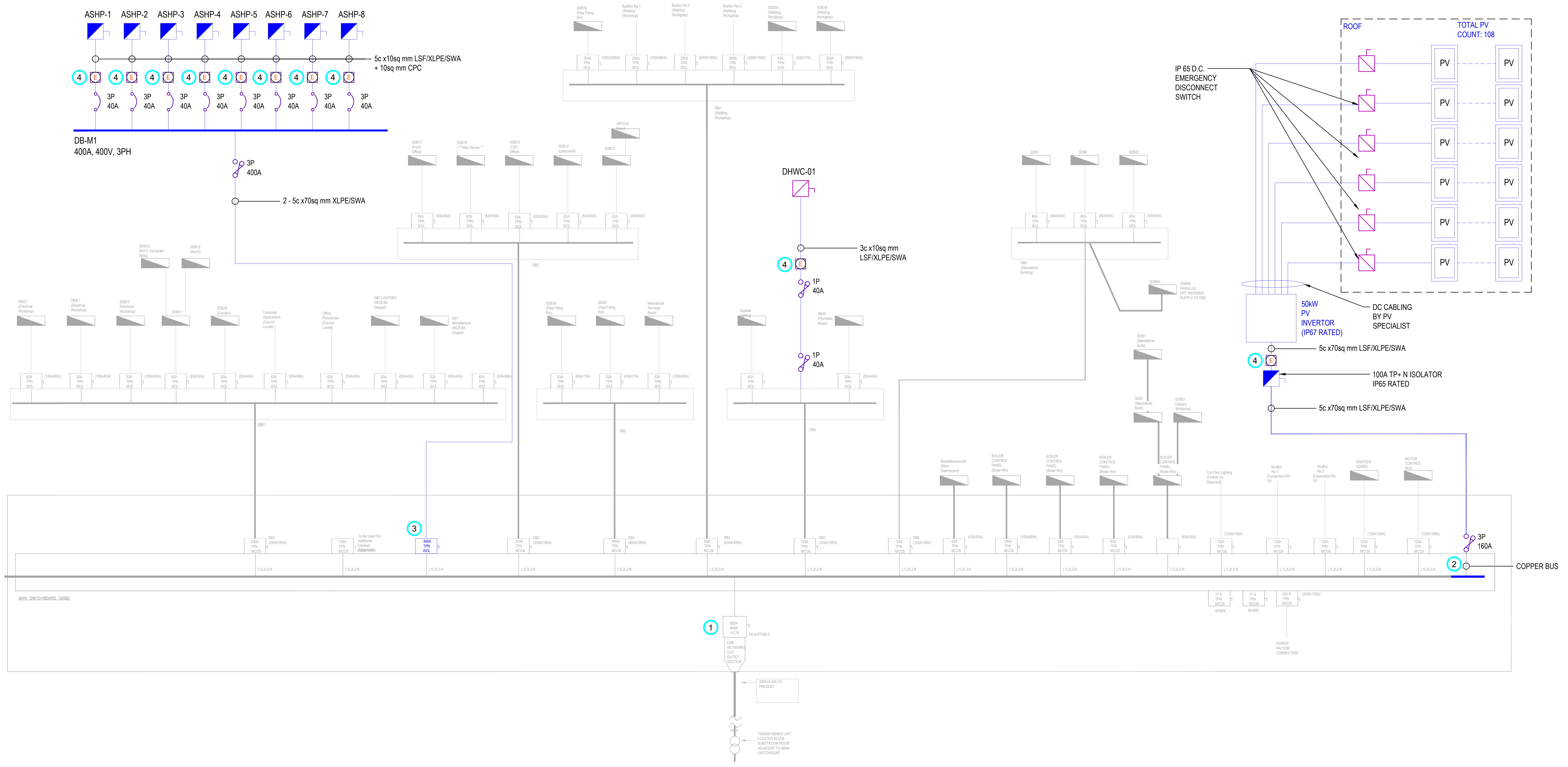


1 EXISTING SINGLE LINE DIAGRAM
N.T.S.

KEYNOTES:

1. CONTRACTOR SHALL CARRY OUT EXTRAORDINARY MAINTENANCE ON MAIN BREAKER TO ENSURE BREAKER IS OPERATING AS INTENDED. REFER TO DETAIL 2/E-60-02 FOR REFERENCE PHOTO.
2. EXTEND EXISTING COPPER BUS BAR TO FEED A NEW ENCLOSED 160A MCCB. CONTRACTOR SHALL PROVIDE CERTIFICATION OF EQUIPMENT AFTER MODIFICATIONS ARE COMPLETE. SHUTDOWN OF ELECTRICAL EQUIPMENT SHALL BE COORDINATED WITH THE CLIENT PRIOR TO WORK COMMENCING. OUT OF HOURS WORK MAY BE REQUIRED. REFER TO DETAIL 4/E-60-02 FOR EXISTING CONDITION PHOTOS.
3. PROVIDE AND INSTALL NEW 400A ISOLATOR SWITCH AND FUSES.
4. PROVIDE AND INSTALL ENERGY MANAGEMENT METER WITH CURRENT TRANSFORMERS FOR INTEGRATION TO CLIENT ENERGY MANAGEMENT SYSTEMS (ULTAN). METERS SHALL MEASURE, AT A MINIMUM, ACTIVE DEMAND (KW), APPARENT DEMAND (KVA), AND POWER FACTOR (PF). PROVIDE GATEWAYS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

GENERAL NOTES

A. DO NOT SCALE FROM THIS DRAWING.

B. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS TOLERANCES AND REFERENCES BEFORE PROCEEDING WITH WORKS.

C. ANY DISCREPANCY FOUND BETWEEN THIS DRAWING AND ANY OTHER DOCUMENTS MUST BE REPORTED IMMEDIATELY TO THE CONTRACT ADMINISTRATOR.

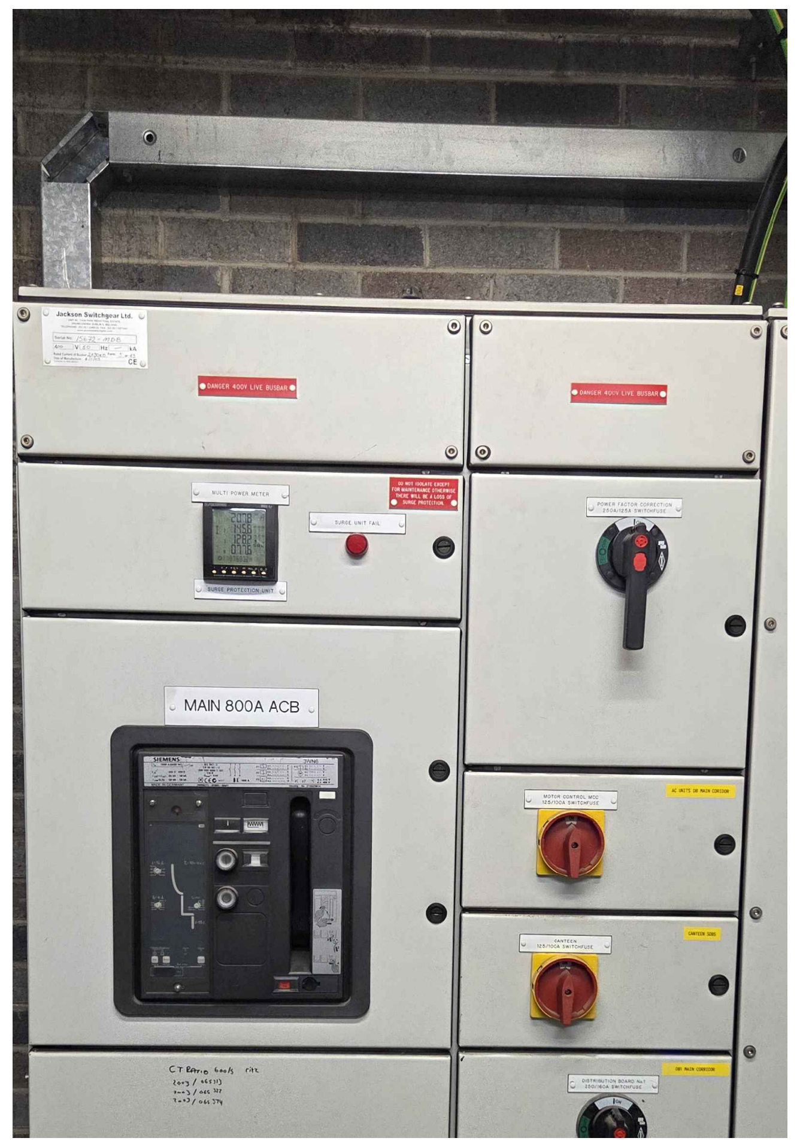
D. REMOVE THIS DRAWING FROM CURRENCY WHEN REVISED DRAWING IS ISSUED.

E. COPYRIGHT OF DESIGNS SHOWN ON THIS DRAWING REMAINS WITH INTROBA

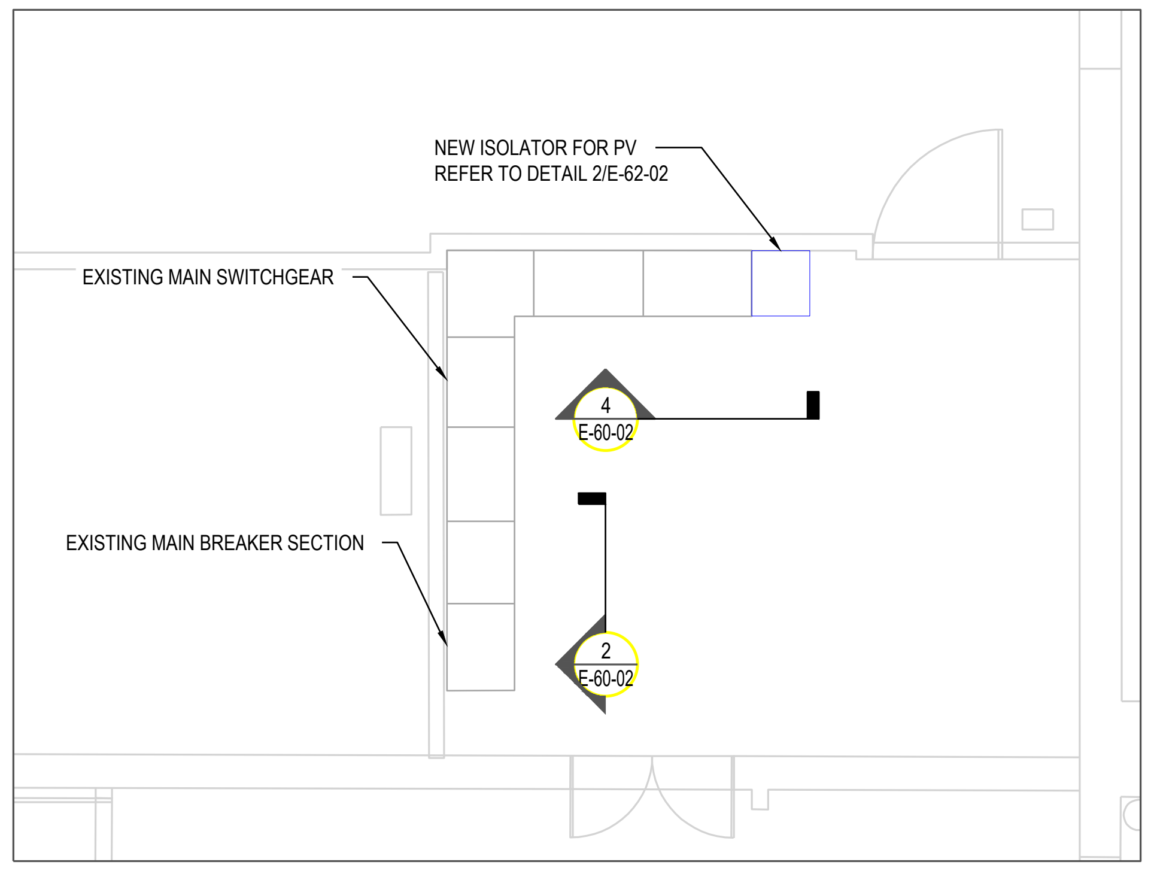
F. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER CONTRACT PROJECT DOCUMENTS.

G. SHUTDOWN ON SYSTEM SHALL BE AFTER HOURS WHEN BUILDING IS UNOCCUPIED. CLOSE COORDINATION IS REQUIRED WITH THE CLIENT TO SCHEDULE SHUTDOWN. MODIFICATIONS ARE PENDING DISCUSSIONS WITH SPECIALIST CONTRACTOR.

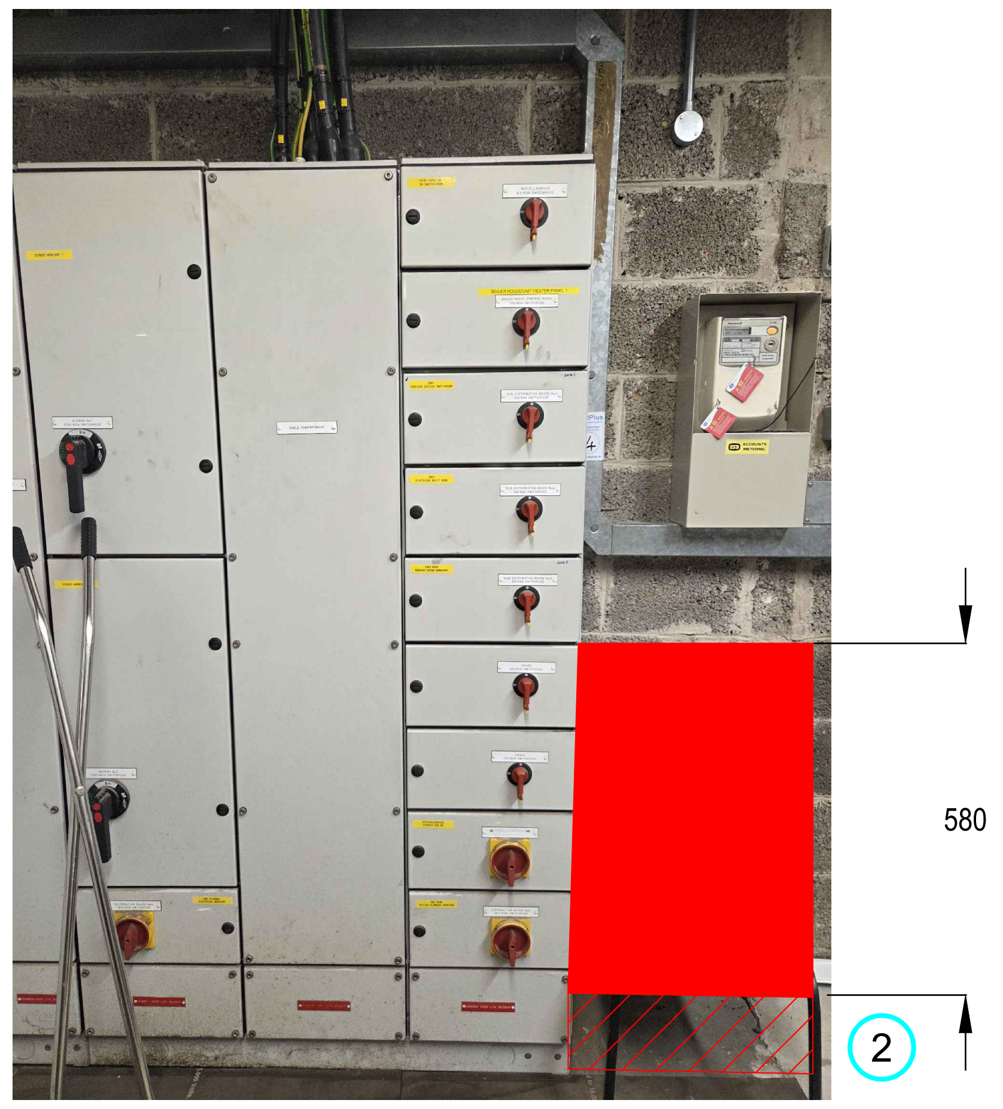
H. ELECTRICAL ONE LINE DIAGRAM PROVIDED BY OTHERS. EQUIPMENT SHOWN IN BLUE LINES ARE DESIGN BY INTROBA, GREY IS EXISTING.



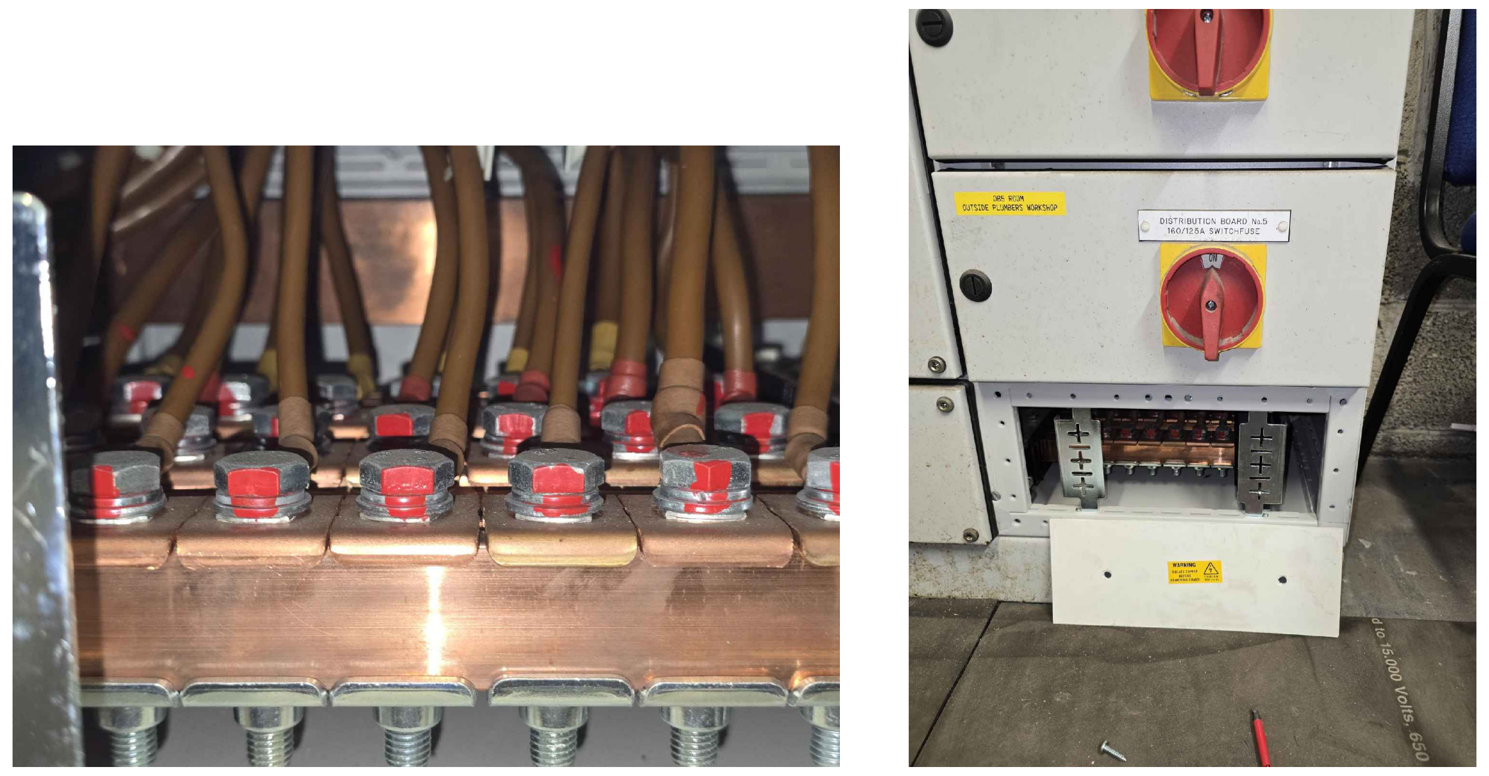
2 EXISTING MAIN BREAKER
N.T.S.



3 MAIN ELECTRICAL ROOM
1:50



4 EXISTING SWITCHGEAR AND NEW ISOLATOR FOR PV
1:50



5 EXISTING COPPER BUS
1:50

A1 ORIGINAL SIZE DRAWING

No.	REVISION	CHK	DATE
02	STAGE 4 ISSUED FOR TENDER	JM	28/08/26
01	STAGE 2b FOR REVIEW	JM	17/07/26

INTROBA IRELAND LTD
CATHEDRAL COURT
NEW ST SOUTH
THE LIBERTIES
DUBLIN 8
D08 C525

CLIENT

PROJECT
RSTC DUNDALK

TITLE
SINGLE LINE DIAGRAM &
MAIN ELECTRICAL ROOM LAYOUT

DATE 28.08.2026
SCALE AS NOTED
DESIGNED IP
CHECKED JM
APPROVED JM
SUITABILITY CODE
SUITABILITY DESCRIPTION STAGE 4
DRAWING STATUS STAGE 4
FS517188 EMS 556209
DRAWING No. 10005-IRB-XX-GF-D-E-60-02
REVISION