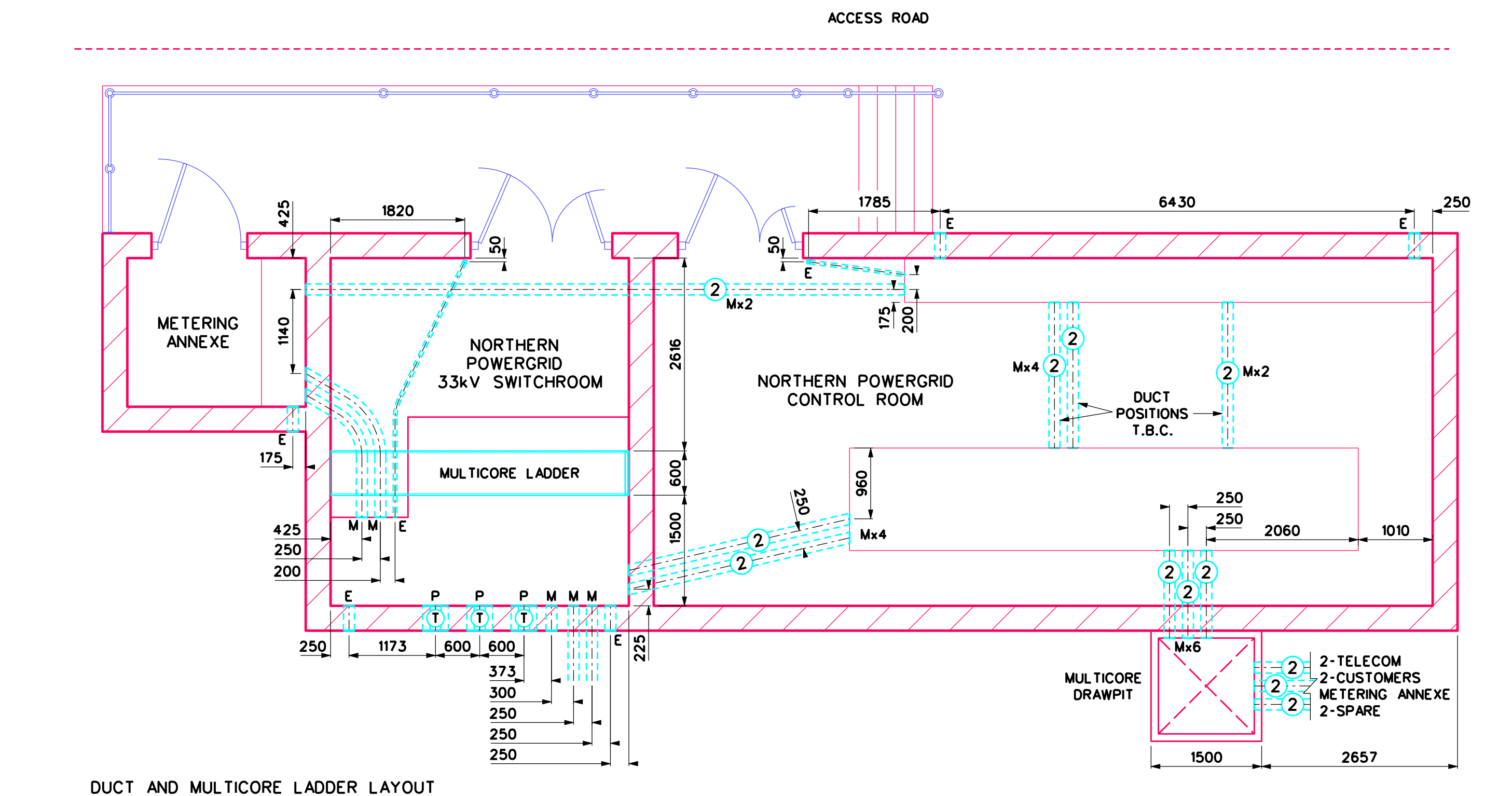
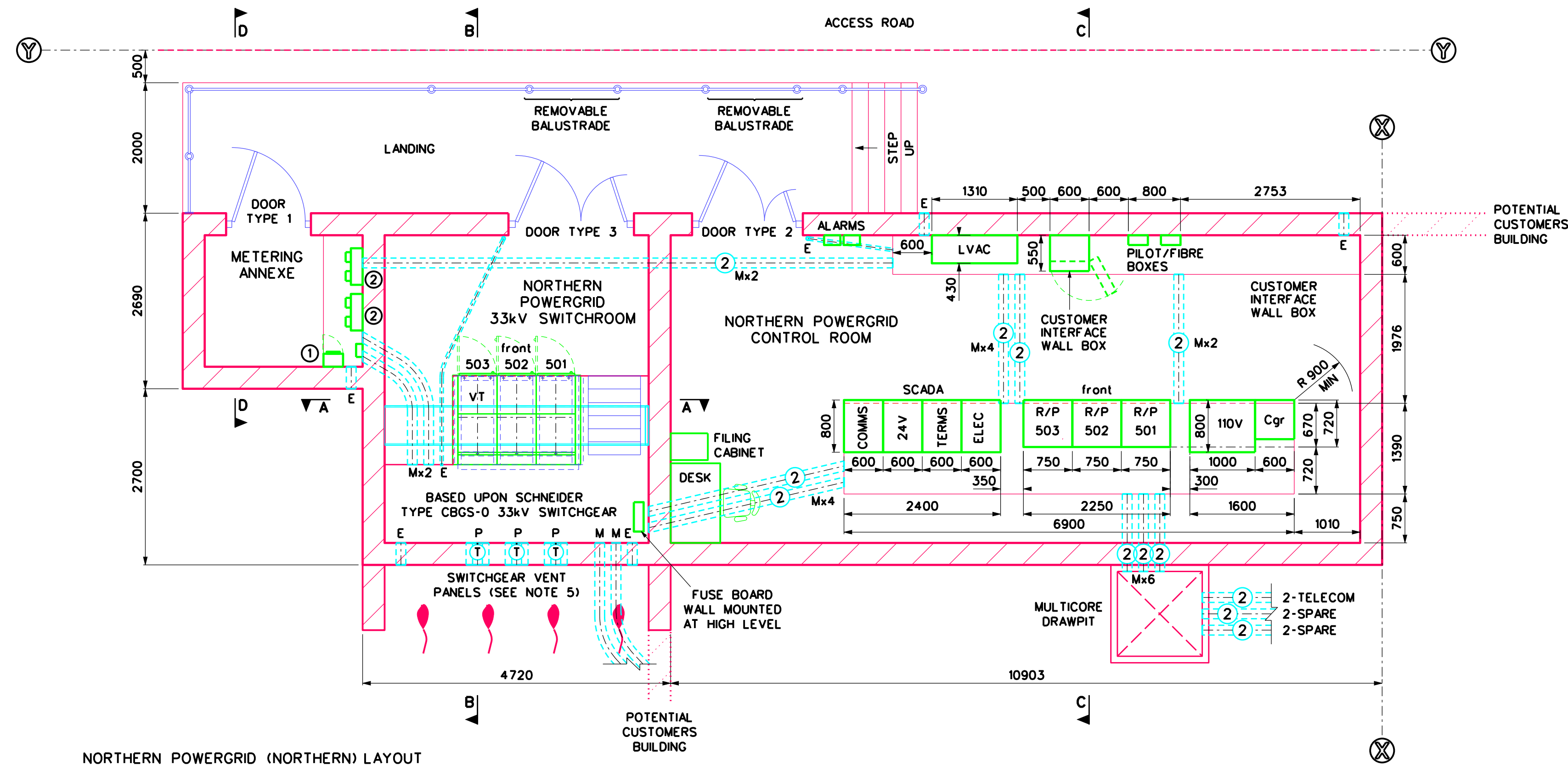


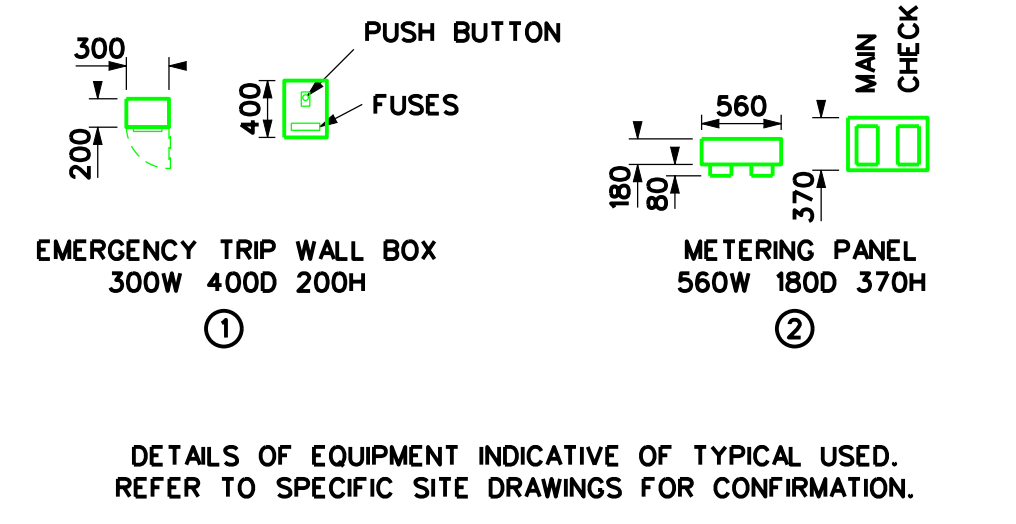
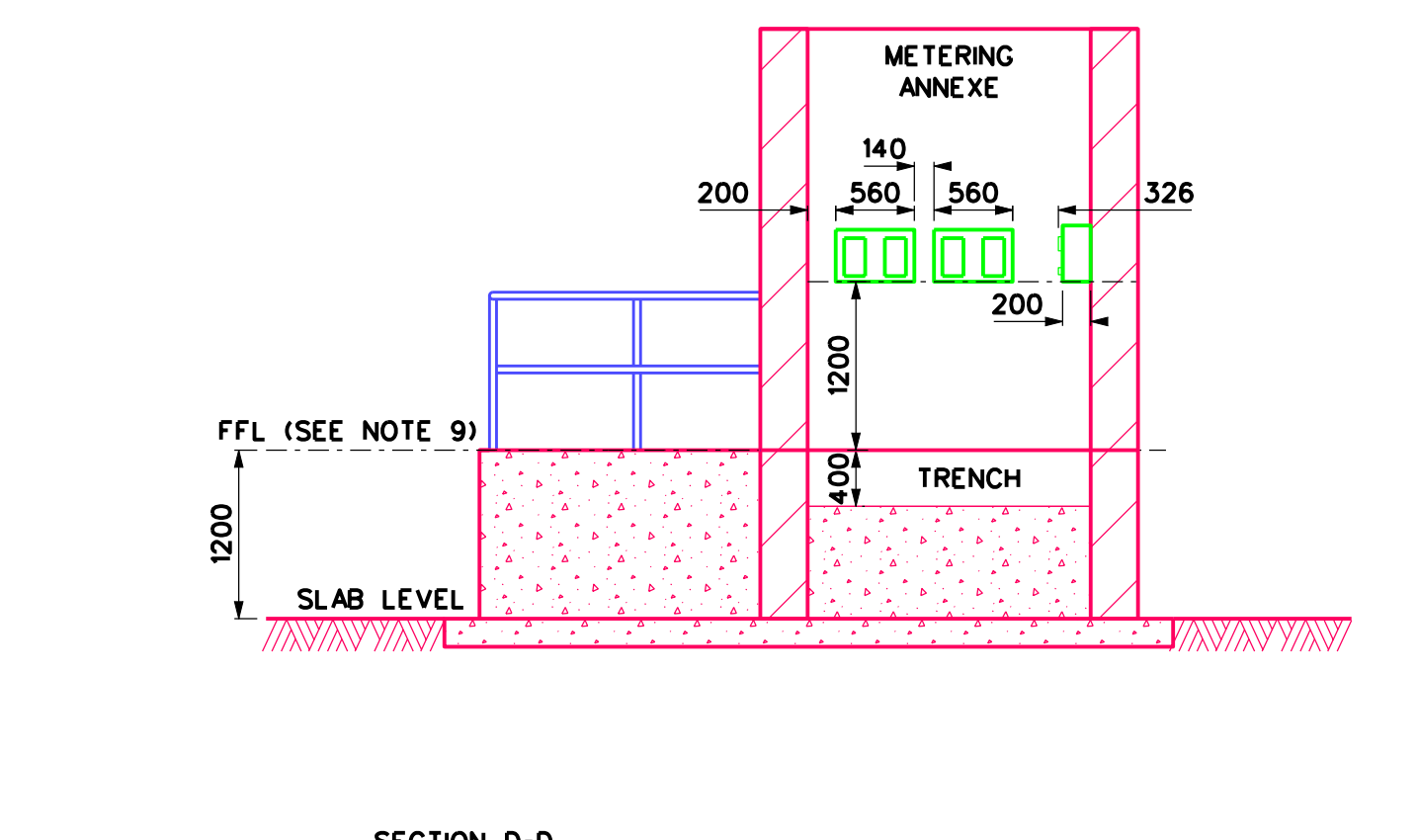
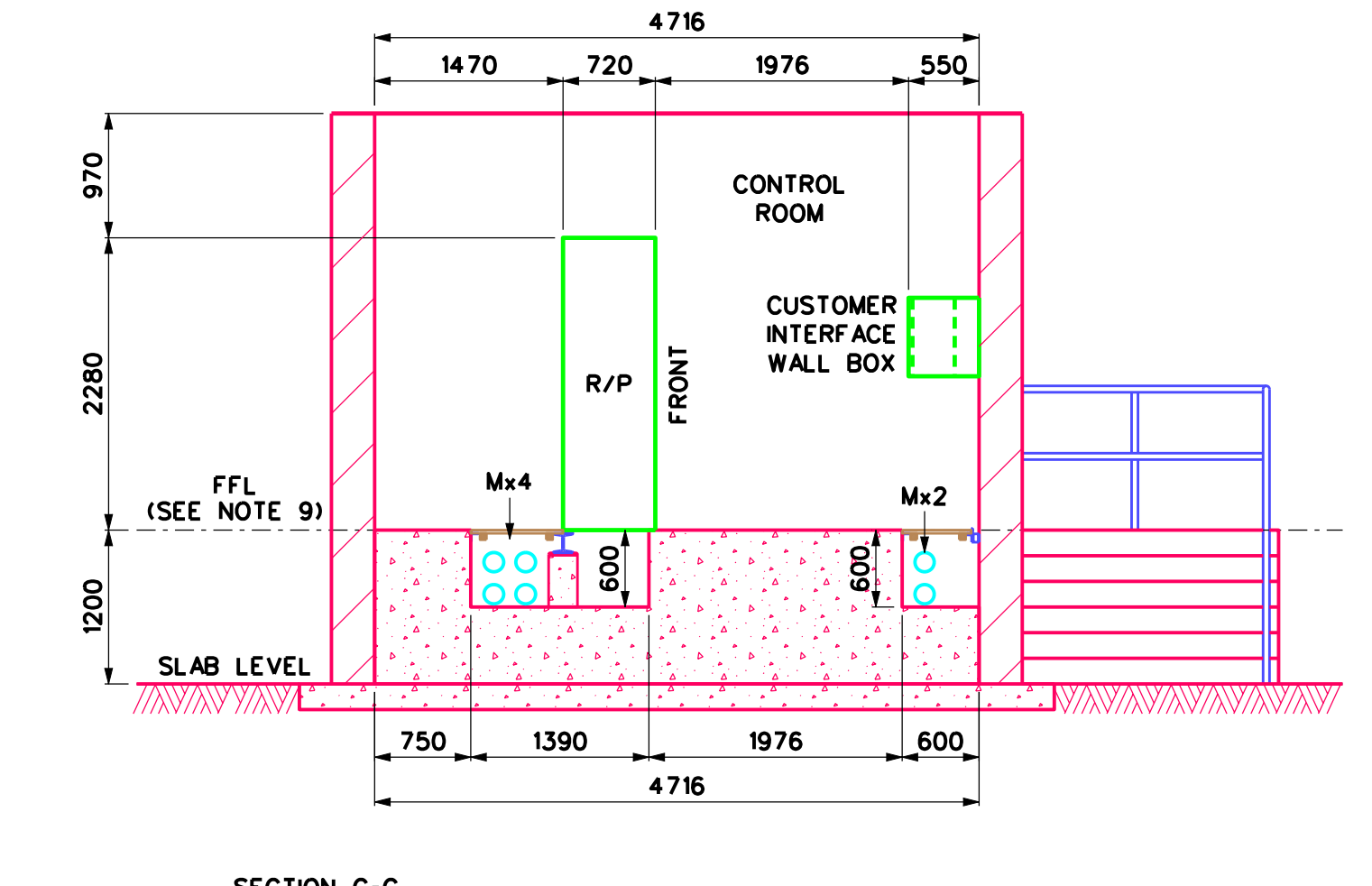
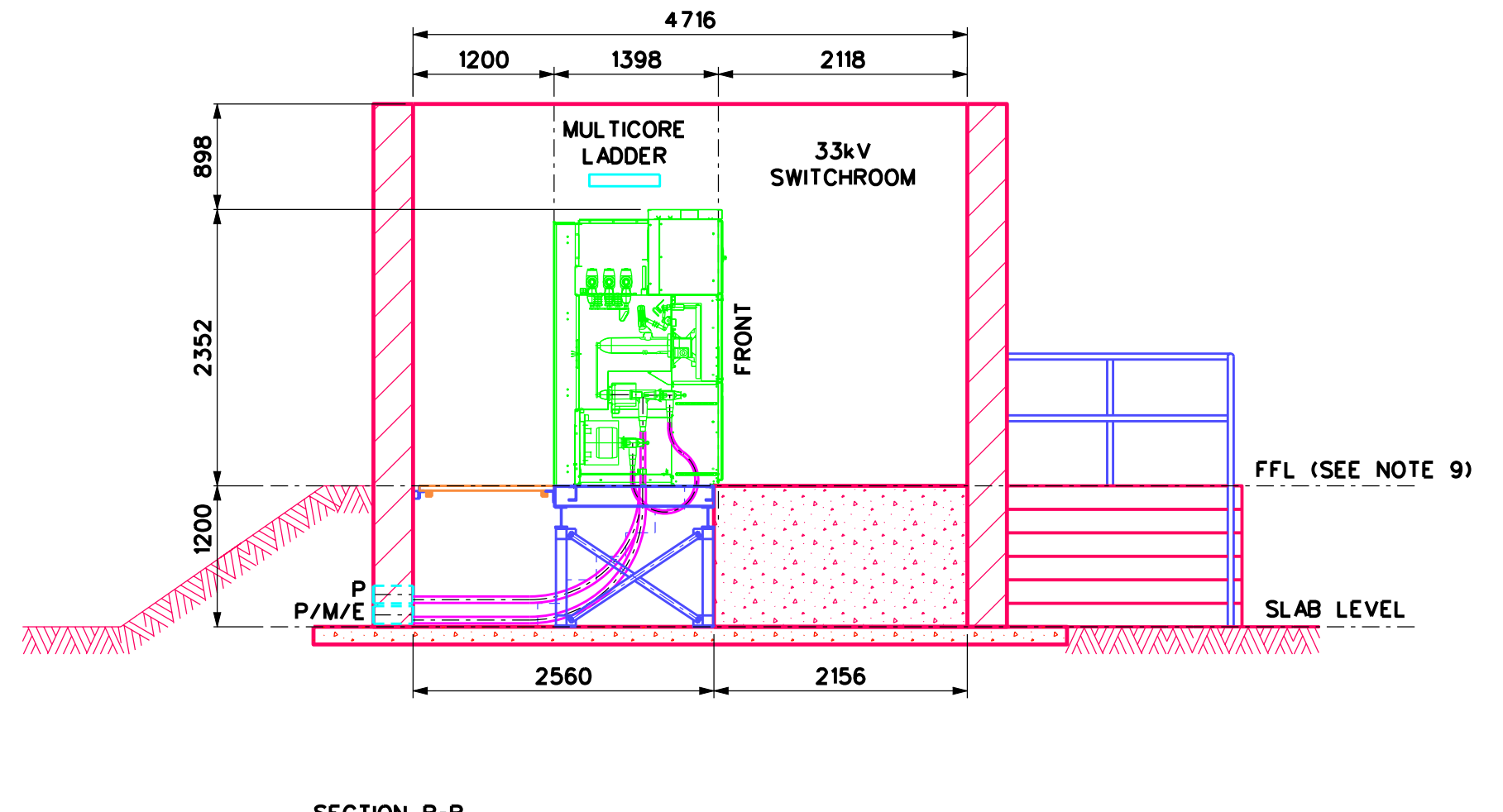
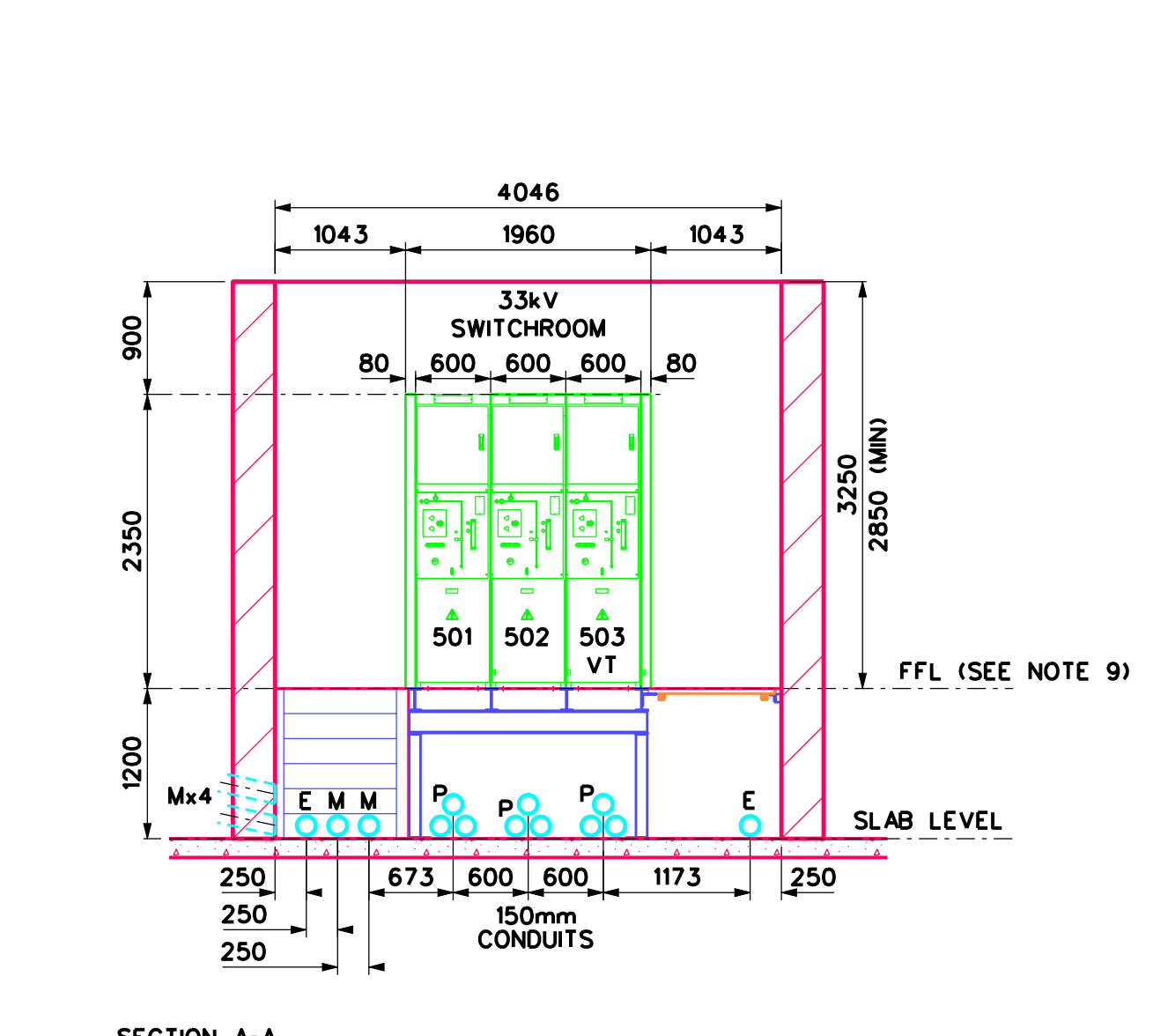
CONDUIT DUTY
 E EARTHING.
 M MULTICORE CABLES.
 P 33kV POWER CABLES.
 S SPARE/HEATING & LIGHTING.

KEY TO CONDUITS
 150 BORE CONDUIT MINIMUM BENDING RADIUS SHOWN
 200 BORE CONDUIT MINIMUM BENDING RADIUS SHOWN
 TREFOL GROUP
 2 CONDUITS LAD IN 1 ON 1 FORMATION.



SETTING OUT DETAILS
 SETTING OUT DETAILS TO BE PERMANENTLY MARKED OUT ON SITE.
 X SETTING OUT LINE Y - Y TO BE ESTABLISHED FROM MAIN SITE SETTING OUT LINE.
 Y SETTING OUT LINE X - X TO BE ESTABLISHED ALONG PROPOSED ROADLINE.

- NOTES**
- ALL CONDUITS TO BE 150mm BORE LAD AT 250mm CENTRES (100mm BETWEEN CONDUITS) UNLESS OTHERWISE STATED.
 - ALL CONDUITS TO BE SUITABLY SEALED OFF AFTER LAYING OF CABLES.
 - 65x50x6mm BRITISH STANDARD UNEQUAL ANGLE SET 25mm BELOW FINISHED FLOOR LEVEL.
 - TRENCH COVERS TO BE 25mm THICK PLYBOARD SUPPORTED ON STEELWORK.
 - STEELWORK TO GIVE ADEQUATE SUPPORT TO SWITCHGEAR UNDER NORMAL AND FAULT CONDITIONS. ACCESS TO CABLE BOXES TO BE OF ADEQUATE SIZE TO ALLOW CABLE INSTALLATION.
 - SWITCHGEAR VENT PANELS. REFER TO SWITCHGEAR MANUFACTURER FOR REQUIREMENTS.
 - SUPPORTING STEELWORK AND CROSSMEMBERS PROVIDED BY SWITCHGEAR MANUFACTURER.
 - FINISHED FLOOR LEVEL TO BE 750mm (MINIMUM) ABOVE PREDICTED FLOOD LEVEL, IN ACCORDANCE WITH NORTHERN POWERGRID SPECIFICATION (IMP/001/012).



NORTHERN POWERGRID Lloyds Court, 78 Grey Street, Newcastle Upon Tyne, NE1 6AF

STANDARD SUBSTATION DETAILS
 33kV SWITCH/CONTROL ROOM AND METERING ANNEXE
 FOR STANDARD METERING SUBSTATION

Sheet No. 150 Scale 1:50
 Prepared By Mark Hogue Document Details CONSTRUCTION STANDARDS
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