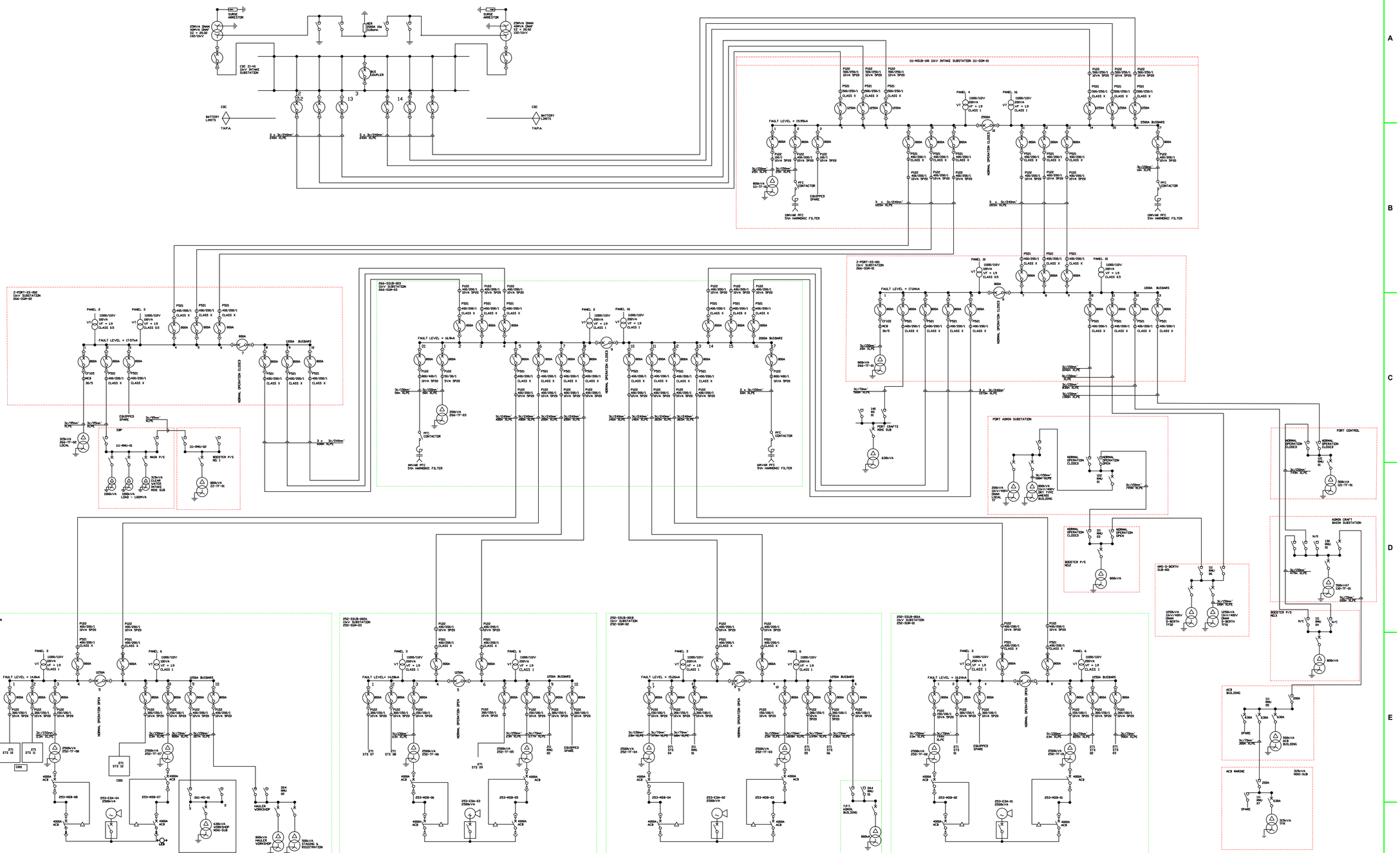
III-HSUB-100 11kV INTAKE SUBSTATION III-SGM-01
FAULT LEVEL = 19.95kA
1250A BUSBARS
NORMAL OPERATION CLOSED
PANEL 4
PANEL 14
PANEL 10
11000/110V
100VA
VF = 1.9
CLASS 1
PS20 500/250/1 10VA SP20
PS21 500/250/1 CLASS X
1250A
800A
PS20 400/200/1 10VA SP20
PS21 400/200/1 CLASS X
3c/150mm² 25m XLPE
3c/150mm² 25m XLPE
800kVA 11/.17-05
PFC CONTACTOR
EQUIPPED SPARE
10MVAR PFC 5th HARMONIC FILTER
3 x 3c/240mm² 185m XLPE
3c/150mm² 10m XLPE
2-PORT-SS-002 11kV SUBSTATION 2S6-SGM-02
FAULT LEVEL = 17.57kA
PANEL 2
PANEL 3
CF1GS
MCB
30/5
3c/95mm² XLPE
3c/95mm² XLPE
EQUIPPED SPARE
3c/95mm² XLPE
315kVA 11/.433kV DYn11 LOCAL
15P
III-RMU-01
III-RMU-02
MAIN P/S
BOOSTER P/S NO. 1
1000kVA
1000kVA
LOAD = 1.82MVA
315kVA CLASS 1 INTAKE MINE SUB
800kVA 22-17-01
3 x 3c/240mm² 600m XLPE
NORMAL OPERATION CLOSED
2S6-SSUB-003 11kV SUBSTATION 2S6-SGM-03
FAULT LEVEL = 16.9kA
PANEL 8
PANEL 16
2000A BUSBARS
PS20 400/5/1 5VA SP20
PS20/30/1 5VA SP20
3c/120mm² 30m XLPE
3c/240mm² 450m XLPE
3c/240mm² 2850m XLPE
3c/240mm² 3450m XLPE
3c/240mm² 3650m XLPE
3c/240mm² 3850m XLPE
3c/240mm² 4050m XLPE
3c/240mm² 4250m XLPE
3c/240mm² 4450m XLPE
3c/240mm² 4650m XLPE
3c/240mm² 4850m XLPE
3c/240mm² 5050m XLPE
3c/240mm² 5250m XLPE
3c/240mm² 5450m XLPE
3c/240mm² 5650m XLPE
3c/240mm² 5850m XLPE
3c/240mm²