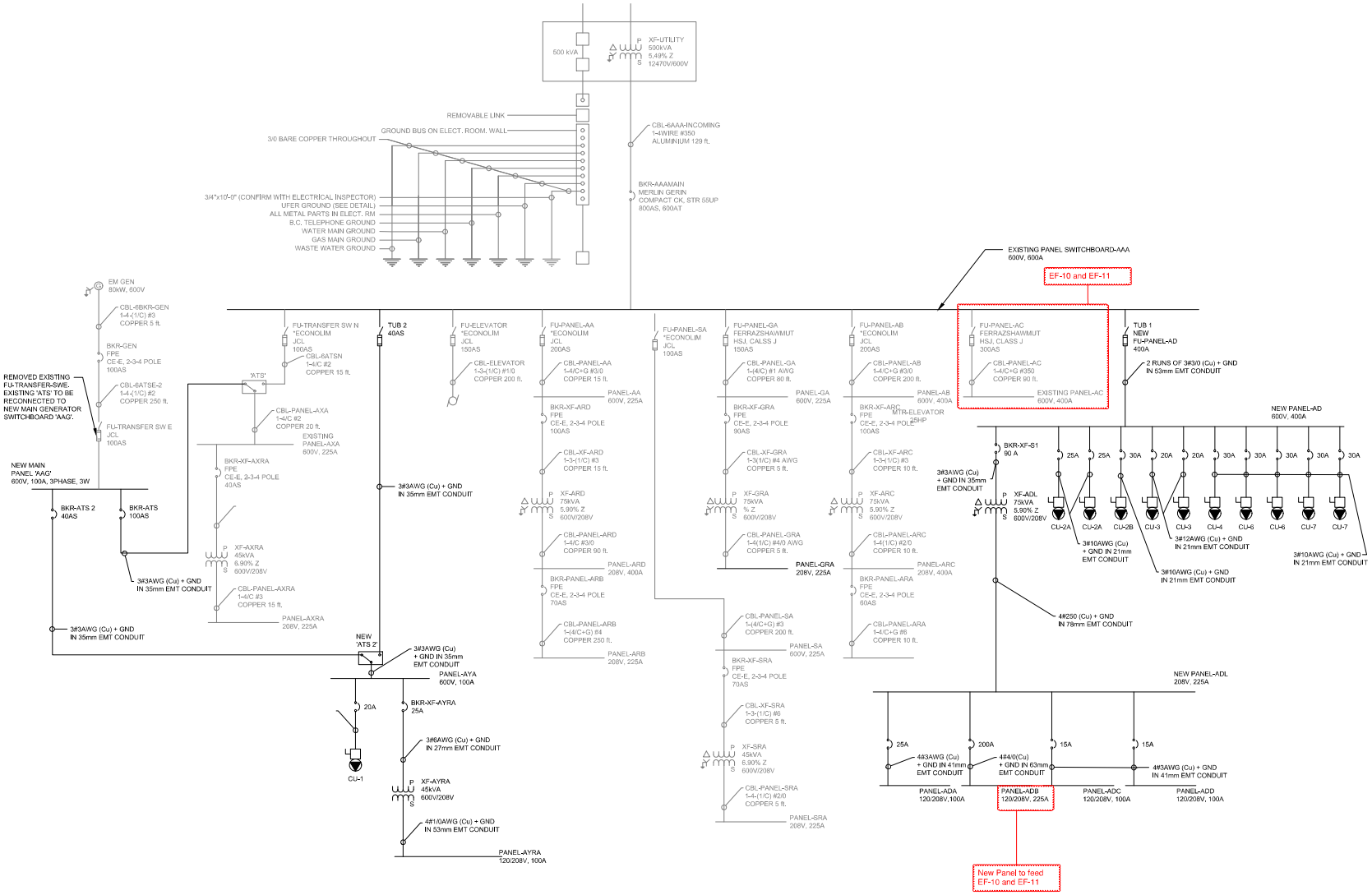
500 kVA
XF-UTILITY
500kVA
5.49% Z
12470V/600V
REMOVABLE LINK
GROUND BUS ON ELECT. ROOM. WALL
3/0 BARE COPPER THROUGHOUT
3/4"x10'-0" (CONFIRM WITH ELECTRICAL INSPECTOR)
UFER GROUND (SEE DETAIL)
ALL METAL PARTS IN ELECT. RM
B.C. TELEPHONE GROUND
WATER MAIN GROUND
GAS MAIN GROUND
WASTE WATER GROUND
CBL-6AAA-INCOMING
1-4WIRE #350
ALUMINIUM 129 ft.
BKR-AAAMAIN
MERLIN GERIN
COMPACT CK_STR 55UP
800AS, 600AT
EXISTING PANEL SWITCHBOARD-AAA
600V, 600A
EF-10 and EF-11
EM GEN
80kW, 600V
CBL-6BKR-GEN
1-4-(1/C) #3
COPPER 5 ft.
BKR-GEN
FPE
CE-E, 2-3-4 POLE
100AS
CBL-6ATSE-2
1-4-(1/C) #2
COPPER 250 ft.
FU-TRANSFER SW E
JCL
100AS
REMOVED EXISTING FU-TRANSFER-SWE- EXISTING 'ATS' TO BE RECONNECTED TO NEW MAIN GENERATOR SWITCHBOARD 'AAG'.
NEW MAIN PANEL 'AAG'
600V, 100A, 3PHASE, 3W
BKR-ATS 2
40AS
BKR-ATS
100AS
3#3AWG (Cu) + GND
IN 35mm EMT CONDUIT
FU-TRANSFER SW N
*ECONOLIM
JCL
100AS
CBL-6ATSN
1-4/C #2
COPPER 15 ft.
'ATS'
CBL-PANEL-AXA
1-4/C #2
COPPER 20 ft.
EXISTING
PANEL-AXA
600V, 225A
BKR-XF-AXRA
FPE
CE-E, 2-3-4 POLE
40AS
XF-AXRA
45kVA
6.90% Z
600V/208V
CBL-PANEL-AXRA
1-4/C #3
COPPER 15 ft.
PANEL-AXRA
208V, 225A
3#3AWG (Cu) + GND
IN 35mm EMT CONDUIT
TUB 2
40AS
3#3AWG (Cu) + GND
IN 35mm EMT CONDUIT
NEW
'ATS 2'
3#3AWG (Cu)
+ GND IN 35mm
EMT CONDUIT
PANEL-AYA
600V, 100A
20A
CU-1
BKR-XF-AYRA
25A
3#6AWG (Cu) + GND
IN 27mm EMT CONDUIT
XF-AYRA
45kVA
600V/208V
4#1/0AWG (Cu) + GND
IN 53mm EMT CONDUIT
PANEL-AYRA
120/208V, 100A
FU-ELEVATOR
*ECONOLIM
JCL
150AS
CBL-ELEVATOR
1-3-(1/C) #1/0
COPPER 200 ft.
FU-PANEL-AA
*ECONOLIM
JCL
200AS
CBL-PANEL-AA
1-4/C+G #3/0
COPPER 15 ft.
PANEL-AA
600V, 225A
BKR-XF-ARD
FPE
CE-E, 2-3-4 POLE
100AS
CBL-XF-ARD
1-3-(1/C) #3
COPPER 15 ft.
XF-ARD
75kVA
5.90% Z
600V/208V
CBL-PANEL-ARD
1-4/C #3/0
COPPER 90 ft.
PANEL-ARD
208V, 400A
BKR-PANEL-ARB
FPE
CE-E, 2-3-4 POLE
70AS
CBL-PANEL-ARB
1-(4/C+G) #4
COPPER 250 ft.
PANEL-ARB
208V, 225A
FU-PANEL-SA
*ECONOLIM
JCL
100AS
CBL-PANEL-SA
1-(4/C+G) #3
COPPER 200 ft.
PANEL-SA
600V, 225A
BKR-XF-SRA
FPE
CE-E, 2-3-4 POLE
70AS
CBL-XF-SRA
1-3-(1/C) #6
COPPER 5 ft.
XF-SRA
45kVA
6.90% Z
600V/208V
CBL-PANEL-SRA
1-4-(1/C) #2/0
COPPER 5 ft.
PANEL-SRA
208V, 225A
FU-PANEL-GA
FERRAZSHAWMUT
HSJ, CALSS J
150AS
CBL-PANEL-GA
1-(4/C) #1 AWG
COPPER 80 ft.
PANEL-GA
600V, 225A
BKR-XF-GRA
FPE
CE-E, 2-3-4 POLE
90AS
CBL-XF-GRA
1-3(1/C) #4 AWG
COPPER 5 ft.
XF-GRA
75kVA
% Z
600V/208V
CBL-PANEL-GRA
1-4(1/C) #4/0 AWG
COPPER 5 ft.
PANEL-GRA
208V, 225A
FU-PANEL-AB
*ECONOLIM
JCL
200AS
CBL-PANEL-AB
1-4/C+G #3/0
COPPER 200 ft.
PANEL-AB
600V, 400A
BKR-XF-ARC
FPE
CE-E, 2-3-4 POLE
100AS
MTR-ELEVATOR
SHP
CBL-XF-ARC
1-3-(1/C) #3
COPPER 10 ft.
XF-ARC
75kVA
5.90% Z
600V/208V
CBL-PANEL-ARC
1-4-(1/C) #2/0
COPPER 10 ft.
PANEL-ARC
208V, 400A
BKR-PANEL-ARA
FPE
CE-E, 2-3-4 POLE
60AS
CBL-PANEL-ARA
1-4/C+G #6
COPPER 10 ft.
FU-PANEL-AC
FERRAZSHAWMUT
HSJ, CLASS J
300AS
CBL-PANEL-AC
1-4/C+G #350
COPPER 90 ft.
EXISTING PANEL-AC
600V, 400A
TUB 1
NEW
FU-PANEL-AD
400A
2 RUNS OF 3#3/0 (Cu) + GND
IN 53mm EMT CONDUIT
NEW PANEL-AD
600V, 400A
BKR-XF-S1
90 A
3#3AWG (Cu)
+ GND IN 35mm
EMT CONDUIT
XF-ADL
75kVA
5.90% Z
600V/208V
25A
25A
30A
20A
20A
30A
30A
30A
30A
30A
CU-2A
CU-2A
CU-2B
CU-3
CU-3
CU-4
CU-6
CU-6
CU-7
CU-7
3#10AWG (Cu)
+ GND IN 21mm
EMT CONDUIT
3#12AWG (Cu) + GND
IN 21mm EMT CONDUIT
3#10AWG (Cu) + GND
IN 21mm EMT CONDUIT
3#10AWG (Cu) + GND
IN 21mm EMT CONDUIT
4#250 (Cu) + GND
IN 78mm EMT CONDUIT
NEW PANEL-ADL
208V, 225A
25A
4#3AWG (Cu)
+ GND IN 41mm
EMT CONDUIT
200A
4#4/0(Cu)
+ GND IN 63mm
EMT CONDUIT
15A
15A
4#3AWG (Cu) + GND
IN 41mm EMT CONDUIT
PANEL-ADA
120/208V, 100A
PANEL-ADB
120/208V, 225A
PANEL-ADC
120/208V, 100A
PANEL-ADD
120/208V, 100A
New Panel to feed
EF-10 and EF-11