BUS 2 POTENTIAL (DWG 106) — EHABUS2-PT6 — B2PT6
BUS2-PTA-TC164-1 B 0 — 4LF1 — 67VØ-N — ØA — 4RH9 A
BUS2-PTB-TC164-2 R 0 — 4LF2 — ØB — 4R10 B
BUS2-PTC-TC164-3 BL 0 — 4LF3 — ØC — 4RH11 C
BUS2-PTO-TC164-4 O 0 — 4LF4 — 0 — 4RH12 O
PT102 123
BUS 2 POTENTIAL

BUS 2 POTENTIAL (DWG 106) — EHABUS2-PT1
BUS2-X1A-TC164-5 B 0 — 4LF5
BUS2-X1B-TC164-6 R 0 — 4LF6
BUS2-X1C-TC164-7 BL 0 — 4LF7 — B2PT1

UTILITY 1 LINE POTENTIAL (DWG 106) — EHAUT1-PT6 — U1PT6
UT1-PTA-TC165-1 B 0 — 4LG1 — 67VØ-N — ØA — 4LJ3 A
UT1-PTB-TC165-2 R 0 — 4LG2 — ØB
UT1-PTC-TC165-3 BL 0 — 4LG3 — ØC
UT1-PTO-TC165-4 O 0 — 4LG4 — 0 — 4LJ4 O
PT112 120

UTILITY 1 LINE POTENTIAL (DWG 106) — EHAUT1-PT1
UT1-X1A-TC165-5 B 0 — 4LG5 — 115VØ-N — ØA — 4LJ5 — Y — 3RG5 — 4LJ1 C
UT1-X1B-TC165-6 R 0 — 4LG6 — ØB — 4LJ6 — BN — 3RG6
UT1-X1C-TC165-7 BL 0 — 4LG7 — ØC — 4LJ7 — RB — 3RG7 — D341 — 4LJ2 O
U1PT1
PT111A 120
UTILITY #1 LINE POTENTIAL

BREAKER FAILURE RELAY PANEL 4
150/162BF-1 BASLER BE-1 BPR

EHACB003-CT1 — TO C.B. EHA-CB-003 2000:5 CT'S (DWG 106)
CB3-CT1A-TC122-1 B 0 — 4LA1 — TS-118 6 5 — IA — TB2-1 TB2-2 — TS-118 3 4
CB3-CT1B-TC122-2 R 0 — 4LA2 — 10 9 — IB — TB2-3 TB2-4 — 7 8
CB3-CT1C-TC122-3 BL 0 — 4LA3 — 14 13 — IC — TB2-5 TB2-6 — 11 12
CB3-CT10-TC122-4 O 0 — 4LA4 — 16 15 — IN — TB2-8 TB2-7 — 17 18
CT106
#10 SIS (TYP.)

150/162BF-2 BASLER BE-1 BPR

EHACB002-CT4 — TO C.B. EHA-CB-002 2000:5 CT'S (DWG 106)
CB2-CT4A-TC117-1 B 0 — 4LB1 — TS-121 6 5 — IA — TB2-1 TB2-2 — TS-121 3 4
CB2-CT4B-TC117-2 R 0 — 4LB2 — 10 9 — IB — TB2-3 TB2-4 — 7 8
CB2-CT4C-TC117-3 BL 0 — 4LB3 — 14 13 — IC — TB2-5 TB2-6 — 11 12
CB2-CT40-TC117-4 O 0 — 4LB4 — 16 15 — IN — TB2-8 TB2-7 — 17 18
CT114

BREAKER FAILURE RELAY PANEL 4

EHACB002-CT3 — TO C.B. EHA-CB-002 2000:5 CT'S (DWG 106)
CB2-CT3A-TC116-9 B 0 — 4LC1 — #10 SIS (TYP.)
CB2-CT3B-TC116-10 R 0 — 4LC2
CB2-CT3C-TC116-11 BL 0 — 4LC3
CB2-CT30-TC116-12 O 0 — 4LC4
CT107

EHACB003-CT2 — TO C.B. EHA-CB-003 2000:5 CT'S (DWG 106)
CB3-CT2A-TC122-5 B 0 — 4LD1
CB3-CT2B-TC122-6 R 0 — 4LD2
CB3-CT2C-TC122-7 BL 0 — 4LD3
CB3-CT20-TC122-8 O 0 — 4LD4
CT113

187L 1PRI LFCB
TS-112 4 3 — IA — A21 A22 — TS-112 1 2 — 4LE1 — 3LF1 B — TS-101 10 9
TS-112 8 7 — IB — A23 A24 — 5 6 — 4LE2 — 3LF2 R — 16 15
TS-112 12 11 — IC — A25 A26 — 9 10 — 4LE3 — 3LF3 BL — 22 21
4LE4 — 3LF4 O
CT114A

187L1 PRIMARY DIFFERENTIAL RELAYING
LFCB-103
PANEL 4

TO 125VDC PANEL 1 BREAKER 9
3RA1 P9 — FU-7 3A — TS-101 2 1 — 16(+)
3RA2 N9 — 3 4 — 4 3 — 15(−)

REVENUE METER
SATEC
PANEL 3

REV MET
IA 1 3 — TS-101 7 8
IB 4 6 — 13 14
IC 7 9 — 19 20
G

PORT 1 — TO L1, PORT1
A1(+) A2(+) A(−) G — 3LH9 3LH10 3LH11 3LH12

FU-6 6A — 1 3 5 / 2 4 6 — TS-101 6 12 18 24 / 5 11 17 23 — 2 5 8 11 — Aø Bø Cø N
FU-8 6A — 1 / 2 — 8 9 — 125-1 BE1-25 — 6 7
FU-9 6A — 1 / 2
FU-10 6A — 1 / 2 — 8 9 — 125-2 BE1-25 — 6 7
FU-11 6A — 1 / 2 — 6 7
FU-5 6A — 1 3 5 / 2 4 6 — TS-115 14 16 18 20 / 13 15 17 19 — F5A F6A F7A / Aø Bø Cø / F5C F6C F7C
187L 1BK GE L90

TS-115 4 3 — IA — F1A F1B — TS-115 1 2
TS-115 8 7 — IB — F2A F2B — 5 6
TS-115 12 11 — IC — F3A F3B — 9 10
LINE DIFFERENTIAL RELAY PANEL 4

A-B-C PHASE ROTATION

LEGEND — LINE 1B SECONDARY RELAYING
- TERMINAL BLOCK POINT IN TERMINATION CABINET
- SHORT CIRCUITING TERMINAL BLOCK POINT IN RELAY PANELS
- 12 POINT TERMINAL BLOCK POINT

REV	DESCRIPTION	DATE	DFTR	ENG
3				
2				
1				

REV	DESCRIPTION	DATE	DFTR	ENG
6				
5				
4				

ENGINEERED BY:
DATE:
DRAFTED BY:
DATE:

ELECTRICAL POWER PRODUCTS
DES MOINES, IA
(515)262-8161
www.ep2.com

EP2 DWG. NO.
REV. NO. 0
SCALE: NTS
SHT. 1 of 1