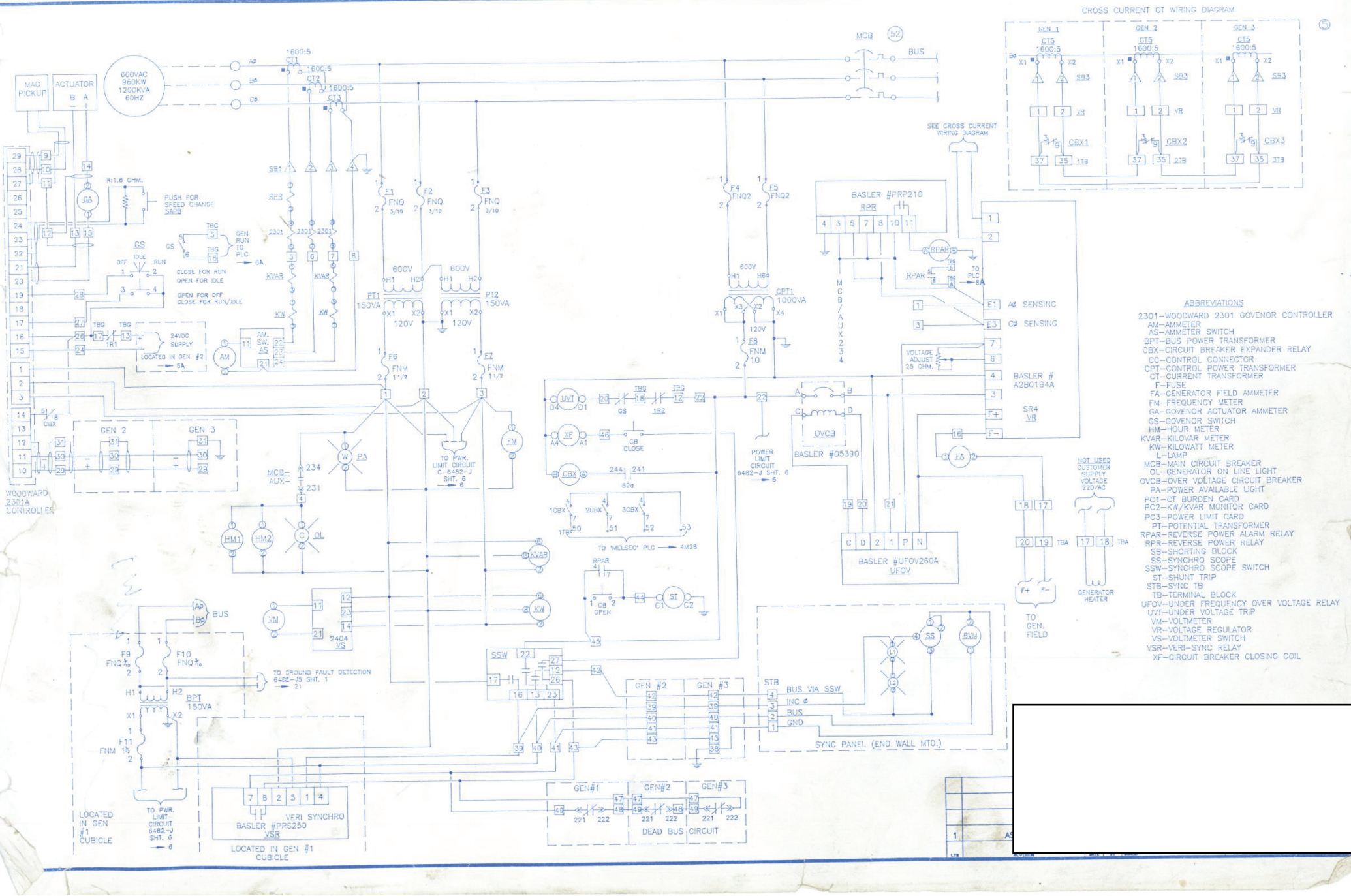
MAG PICKUP
ACTUATOR
600VAC 960KW 1200KVA 60HZ
1600:5
CT1
CT2
CT3
MCB
52
BUS
SEE CROSS CURRENT WIRING DIAGRAM
CROSS CURRENT CT WIRING DIAGRAM
GEN 1
GEN 2
GEN 3
CT4 1600:5
CT5 1600:5
CT6 1600:5
SB3
VR
CBX1
CBX2
CBX3
1TB
2TB
3TB
R:1.6 OHM.
GA
PUSH FOR SPEED CHANGE SAPB
GS
IDLE
RUN
OFF
CLOSE FOR RUN
OPEN FOR IDLE
OPEN FOR OFF
CLOSE FOR RUN/IDLE
GEN RUN TO PLC
8A
24VDC SUPPLY
LOCATED IN GEN. #2
5A
AM.
SW.
AS
SB1
RPB
2301
KVAR
KW
F1 FNQ 3/10
F2 FNQ 3/10
F3 FNQ 3/10
F4 FNQ2
F5 FNQ2
600V
PT1 150VA
PT2 150VA
120V
F6 FNM 1 1/2
F7 FNM 1 1/2
F8 FNM 10
CPT1 1000VA
BASLER #PRP210
RPR
RPAR
TO PLC
MCB/AUX2
E1 AØ SENSING
E3 CØ SENSING
VOLTAGE ADJUST 25 OHM.
BASLER # A2B0184A
SR4 VR
F+
F-
UVT
XF
CB CLOSE
CBX
52a
1CBX
2CBX
3CBX
TO 'MELSEC' PLC
4M28
OVCB
BASLER #05390
POWER LIMIT CIRCUIT 6482-J SHT. 6
TO PWR. LIMIT CIRCUIT C-6482-J SHT. 6
FA
NOT USED CUSTOMER SUPPLY VOLTAGE 220VAC
GENERATOR HEATER
TO GEN. FIELD
BASLER #UFOV260A
UFOV
MCB-
AUX-
W
PA
FM
HM1
HM2
C
DL
KVAR
KW
XM
2404 XS
RPAR
CB OPEN
ST
C1
C2
SSW
SS
BVM
STB
BUS VIA SSW
INC Ø
BUS
GND
SYNC PANEL (END WALL MTD.)
F9 FNQ 1/10
F10 FNQ 1/10
F11 FNM 1 1/2
BPT 150VA
TO GROUND FAULT DETECTION 6482-J5 SHT. 1
VERI SYNCHRO
BASLER #PPS250
VSR
LOCATED IN GEN #1 CUBICLE
TO PWR. LIMIT CIRCUIT 6482-J SHT. 6
GEN#1
GEN#2
GEN#3
DEAD BUS CIRCUIT
WOODWARD 2301A CONTROLLER
ABBREVIATIONS
2301—WOODWARD 2301 GOVENOR CONTROLLER
AM—AMMETER
AS—AMMETER SWITCH
BPT—BUS POWER TRANSFORMER
CBX—CIRCUIT BREAKER EXPANDER RELAY
CC—CONTROL CONNECTOR
CPT—CONTROL POWER TRANSFORMER
CT—CURRENT TRANSFORMER
F—FUSE
FA—GENERATOR FIELD AMMETER
FM—FREQUENCY METER
GA—GOVENOR ACTUATOR AMMETER
GS—GOVENOR SWITCH
HM—HOUR METER
KVAR—KILOVAR METER
KW—KILOWATT METER
L—LAMP
MCB—MAIN CIRCUIT BREAKER
OL—GENERATOR ON LINE LIGHT
OVCB—OVER VOLTAGE CIRCUIT BREAKER
PA—POWER AVAILABLE LIGHT
PC1—CT BURDEN CARD
PC2—KW/KVAR MONITOR CARD
PC3—POWER LIMIT CARD
PT—POTENTIAL TRANSFORMER
RPAR—REVERSE POWER ALARM RELAY
RPR—REVERSE POWER RELAY
SB—SHORTING BLOCK
SS—SYNCHRO SCOPE
SSW—SYNCHRO SCOPE SWITCH
ST—SHUNT TRIP
STB—SYNC TB
TB—TERMINAL BLOCK
UFOV—UNDER FREQUENCY OVER VOLTAGE RELAY
UVT—UNDER VOLTAGE TRIP
VM—VOLTMETER
VR—VOLTAGE REGULATOR
VS—VOLTMETER SWITCH
VSR—VERI-SYNC RELAY
XF—CIRCUIT BREAKER CLOSING COIL