KEY NO. E011410

OIL PUMP 3B
OIL PUMP 4B
EMERG OIL PUMP
FW PUMP 2B
FW PUMP TURB B
FWP-3B
FWP-4B
FWP-5B
STOP START
TURB B
TURB A
DPDP 3B
ASV-4
ASV-2
FWBP TURB RESET PERMISSIVES
STEAM CONTROL VLV CLSD.
LOW LIMIT SPEED CONTROL
HI PRESS STOP VLV CLSD (ASV-4)
LP STOP VLV CLSD (ASV-2)
NO OVERSPEED SIGNAL #1
NO OVERSPEED SIGNAL #2
SPEED SIGNAL PRESENT
LUBE OIL PRESS OK
EXHAUST TEMP OK 230 DEG F
EXHAUST PRESS OK 0" HG
SUCTION VALVE FWV-15 OPEN
BOOSTER PUMP RUNNING
0 25 50 75 100 PERCENT
FWV-39 POSITION
FWV-38 POSITION
FWV-39 AIR FAIL RESET
FWV-38 AIR FAIL RESET
PUSH TO RESET/BYPASS
FPT-B CONTROL VLV POSITION
0 25 50 75 100 PERCENT
0 1250 2500 3750 5000 6250 7500 RPM
A-211
TRIP
RESET
FWP-2B MISSING SIGNAL BYPASS
START
BK
FWP-2B TURB
RESET TRIP
FW PUMP-2B
FWP TURB B SPEED
FWP-2B CON
RESET RUN
11
STM GEN B START-UP FW VLV
STM GEN B LOW LOAD FW VLV
STM GEN B FW PUMP SPEED
MEAS VAR
POS
100 80 60 40 20 0
FWV-39
FWV-38
AUTO RAISE HAND LOWER
IC-33B-MCS
IC-35B-MCS
IC-36B-MCS
FWP-2B STOP DRN TDV-23
CLOSE NORM OPEN
FWP-2B TURB DRN TDV-30
CLOSE NORM OPEN
FWP-2B GOV SPEED CNTRL
OFF
LOWER RAISE
FWM-1B
TURB B
DISENGAGE ENGAGE
ENGAGE
MOTOR
TG ENGAGE PERMISSIVES
HI PRESS STOP VLV CLSD (ASV-4)
LP STOP VLV CLSD (ASV-2)
ZERO TURBINE SPEED
TG MOTOR PERMISSIVES
HI PRESS STOP VLV CLSD (ASV-4)
LP STOP VLV CLSD (ASV-2)
LUBE OIL PRESS OK
TURNING GEAR ENGAGED

STM GEN A TBV
STM GEN B TBV
POS. DEV.
MSV-9,10
MSV-11,14
STM GEN A ADV
STM GEN B ADV
SGA PRESSURE
SGB PRESSURE
MSV-25
MSV-26

Existing controls for MSV-25 and MSV-26. No planned changes to these control stations.

MAIN STM TO FWP & TURB BYP
STM GEN A ISO MSV-53
STM GEN B ISO MSV-54
CLOSE NORM OPEN
TURB A
TURB B
BK
FWP-A TURB DRN TDV-32
FWP-B TURB DRN TDV-33
CLOSE NORM OPEN

SH. 3 SH. 4 SH. 5
SH. 6 SH. 7 SH. 8
SH. 9
SH. 10 SH. 11
SH. 12 SH. 13 SH. 14

KEY PLAN

SH. 14

NO.	DESCRIPTION	DRAWN
11	AS BUILT PER EC 71601	BJD

REVISIONS

PROGRESS ENERGY CORPORATION
CRYSTAL RIVER, FLORIDA
CRYSTAL RIVER PLANT
855,000 KW UNIT NO. 3

ELECTRICAL
MAIN CONTROL BOARD
INTEG. CONT. SYSTEM ASSY.
ICS

READING PENNA. | GILBERT COMMONWEALTH, INC. DESIGNERS AND CONSULTANTS

DRAFTING | ENGINEERING APPROVAL

MADE MFB | CHECKED | APP

APPROVED FOR CONSTRUCTION BY FLORIDA POWER CORPORATION
NUCLEAR PROJECT MANAGER

SCALE	WORK ORDER	SIZE	DRAWING	REV.	FPC DRAWING NUMBER
3/4	5500	D-201-141		11	E-201-141

	CONSTRUCTION	
	LIMITED CONSTRUCTION AS NOTED	
	PRELIMINARY NOT FOR CONSTRUCTION	
	BIDDING PURPOSES ONLY	
DATE	RELEASED FOR	ENGR.

D-7-3

D-06