8770-G-275-SH.6

480V MOTOR CONTROL CENTER 1A-5 (SA)

AR4 — G-1/C 500 MCM — INCOMING LINE FROM 480V SWGR 1A-2 FOR CONT SEE 8770-G-275 SH 2 (G12)

AR1 — FVR-1 — 1-3/C #12 — 1.0 / 7.5 — AUX HPSI FLOW CONTROL VALVE HCV-3647

AR2 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — AUX HPSI FLOW CONTROL VALVE V-3617

AR3 — FVNR-2 — SPARE

BR1 — FVNR-1 — 1-#3 #12 — 1.9 / 7.5 — ELECT EQUIP ROOM ROOF VENT RV-3

BR2 — SPACE

BR3 — FVNR-4 — 3-1/c #2/0 — BATTERY CHARGER 1A 68 KVA

CR1 — FVR-1 — 1-3/C #12 — 0.6 / 2.9 — SHUTDOWN COOLING ISOL VALVE V-3651

CR2 — SPACE

CR3 — FVNR-3 — 1-#3 #2 — WASTE MGMT SYS 1A HEAT TRACING TRANSF 45KVA

CR4 — SPARE

CR5 — 1-3/C #2 — 30KVA TRANSF LP-130

DR1 — SPARE

DR2 — FVNR-1 — 1-3/C #8 — BORIC ACID MAKE-UP TANK 1A HTR A 6.75 KW

DR3 — FVR-1 — 1-3/C #12 — 2.6 / 7.0 — HPSI PUMP DISCH. VALVE V-3656

DR4 — 3-1/c #2/0 — H2 RECOMBINER 1A (75 KVA)

ER1 — SPACE

ER2 — FVR-1 — 1-3/C #12 — .33 / .95 — KITCHEN EXH FAN ISOL VALVE FCV-25-24

ER3 — FVNR-3 — 3-1/c #2 — 20 / 38 — AUX BLDG SWGR SUPPLY FAN HVS-5A

FR1 — FVR-1 — 1-3/C #12 — 0.2 / 1.6 — CONTROL ROOM SOUTH ISOL VALVE FCV-25-17

FR2 — SPACE

FR3 — FVNR-4 — 3-1/C #2/0 — 60 / 72.0 — AUX BLDG SUPPLY FAN HVS-4A

GR1 — FVR-1 — 1-3/C #12 — .33 / .95 — AUX FW PUMP 1A DISCHARGE VALVE TO S/G 1A MV-09-9

GR2 — FVR-1 — 1-3/C #12 — 1.0 / 2.8 — AUX FW PUMP 1A DISCHARGE VALVE TO S/G 1B MV-09-13

GR3 — FVR-2 — 1-3/C #8 — 13.2 / 19.2 — FW PUMP 1A DISCHARGE VALVE MV-09-1

GR4 — 3-1/c #2/0 — 30KVA TRANSF(N/E) LP-131 SGBTF

DF4 — FVR-1 — 1-3/C #12 — 0.38 / .95 — INST AIR ISOL VALVE MV-18-1

DF3 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — PRESSURIZER RELIEF ISOL VALVE V-1403

DF2 — FVNR-1 — 1-3/C #8 — 10 / 13.0 — REAC COOL OIL LIFT PUMP P-1B1-B

DF1 — FVR-1 — 1-3/C #12 — 0.13 / 0.45 — MAKE-UP BYPASS TO CHARGING PUMPS V-2514

CF4 — FVR-1 — 1-3/C #12 — 0.2 / 1.6 — SHIELD BLDG VENT VALVE FCV-25-11

CF3 — FVR-1 — 1-3/C #12 — 0.2 / 1.6 — CONTROL ROOM NORTH OAI ISOL VALVE FCV-25-16

CF2 — FVR-1 — 1-3/C #8 — 10 / 13.5 — AIRBORNE UNIT RAD REM HVE-1

CF1 — FVNR-2 — 1-3/C #8 — 20 / 26.0 — REAC BLDG CAVITY SUPPLY FAN HVS-2A

BF5 — FVNR-4 — 3-1/C #10 — 100 / 115 — REAC PURGE FAN HVE-8A

BF4 — 3-1/c #2/0 — 480 VOLT LP-2A(N/E)

BF3 — 1-3/C #8 — 10KVA ISOLIMITER CAB 1A

BF2 — 1-3/C #2 — 30 KVA TRANSF LP-108(N/E)

BF1 — FVR-1 — 1-3/C #12 — 0.33 / 1.0 — HIGH PRESS SUCTION CROSSOVER VALVE V-3663

AF4 — FVR-1 — 1-3/C #12 — 3 / 5.9 — SHUTDOWN COOLING ISOL VALVE V-3481

AF3 — FVNR-1 — SPARE

AF2 — FVR-1 — 1-3/C #12 — 0.66 / 2.3 — MAIN STEAM ISOLATION BY PASS MV-08-1A

AF1 — FVR-1 — 1-3/C #8 — 10 / 13.0 — REAC COOL OIL LIFT PUMP P-1A1-A

HR2 — 3-1/c #4/0 — 480V PP-135

HR3 — NOT USABLE SPACE

HR1 — SPACE

EF1 — FVNR-3 — 1-3/C #2 — 40 / 49 — REAC BLDG SUPPORT COOL UNIT HVE-3A

EF2 — FVR-2 — 1-3/C #8 — 13.2 / 19.2 — FW PUMP 1B DISCH VALVE MV-09-2

EF3 — FVR-1 — 1-3/C #12 — 2.9 / 6.1 — SAFETY INJECT TANK 1B2 DISCH VALVE V-3648

FF1 — NORMAL-ISOLATE CONTROL SW COMPARTMENT

GF1 — FVR-1 — 1-3/C #12 — 1.6 / 4.0 — LPSI FLOW CONTROL VALVE HCV-3615

GF2 — 3-1/c #2 — LP-144 TRANSF 80KVA

GF3 — 3-1/c #2 — CHEM & VOL CONTROL SYS HEAT TRACE TRANSF A 45 KVA

GF4 — FVR-1 — 1-3/C #12 — 0.2 / 1.61 — AIR RECIRC COOLER INLET HDR A VALVE MV-14-6

HF1 — FVR-1 — 1-3/C #12 — 0.2 / 1.61 — AIR RECIRC COOLER OUTLET HDR A VALVE MV-14-8

HF2 — SPACE

HF3 — FVNR-5 — 1-3/C #8 — 15 / 19.2 — NON-ESSENTIAL LOADS BREAKER

JF1 — FVNR-2 — 1-3/C #8 — REAC CAVITY SUMP PUMP 1A

JF2 — 1-3/C #2 — 30 KVA TRANSF LP-112

JF3 — 1-3/C #2 — 45 KVA TRANSF LP-114

JF4 — SPACE

JF5 — FVNR-1 — SPACE

JR1 — 1-3/C #2 — 45 KVA TRANSF LP-125

JR2 — SPARE

JR3 — 4-1/C #2 — REAC BLDG 480 V PWR RECEP # 57 #61, #65, #71

JR4 — SPACE

JR5 — FVNR-1 — SPACE

JR6 — FVNR-2 — 3-1/c #6 — 25 / 29 — CONTAINMENT INSTR AIR COMPR 1A

FOR CONTINUATION SEE DWG. 8770-G-275 SH. 6A

480V MOTOR CONTROL CENTER 1B-5 (SB)

AF5 — G-1/C 500 MCM — INCOMING LINE FROM 480V SWGR 1B-2 FOR CONT SEE 8770-G-275 SH 2 (I12)

AF1 — FVNR-1 — 1-3/C #8 — 10 / 13.0 — REAC COOL OIL LIFT PUMP P-1B1-A

AF2 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — BORON LOAD CONTROL VLV V-2525

AF3 — FVR-1 — 1-3/C #12 — 0.66 / 2.3 — MAIN STEAM ISOL BYPASS VALVE MV-08-1B

AF4 — FVR-1 — 1-3/C #12 — 0.33 / 1.2 — 30 KVA TRANSF LP-109(N/E)

BF1 — FVR-1 — 1-3/C #12 — 0.33 / 1.2 — HIGH PRESS SUCTION CROSSOVER VALVE V-3662

BF2 — 1-3/C #8 — 10KVA ISOLIMITER CAB 1B

BF3 — 3-1/c #2/0 — 30KVA TRANSF LP-137 N/E (SGBTF)

BF4 — 3-1/c #2/0 — 480V LP-2B(N/E)

BF5 — FVNR-4 — 3-1/C #2/0 — 100 / 115 — REAC PURGE FAN HVE-8B

CF1 — FVR-1 — 1-3/C #12 — 3.0 / 5.9 — SHUTDOWN COOLING ISOL VALVE V-3480

CF2 — FVNR-2 — 1-3/C #8 — 20 / 26.0 — REAC BLDG CAVITY SUPPLY FAN HVS-2B

CF3 — FVR-1 — 1-3/C #12 — 0.2 / 1.6 — TOILET EXH FAN ISOL VALVE FCV-25-19

CF4 — FVNR-1 — 1-3/C #12 — 10 / 13.6 — AIRBORNE UNIT RAD REM HVE-2

DF1 — NORMAL-ISOLATE CONTROL SW COMPARTMENT

EF1 — FVR-1 — 1-3/C #12 — 0.66 / 2.3 — BORIC ACID GRAVITY FEED VALVE V-2508

EF2 — FVR-1 — 1-3/C #12 — 0.66 / 2.3 — REFUELING WATER TO CHARGING PUMPS V-2504

EF3 — FVR-1 — 1-3/C #12 — 0.29 / 0.95 — VOL CNTL TK OUTLET TO CHS PPS V-2501

EF4 — FVNR-1 — 1-3/C #8 — 10 / 13.0 — REAC COOL OIL LIFT PUMP P-1A1-B

FF1 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — PRESSURIZER RELIEF ISOL VALVE V-1405

FF2 — SPACE

FF3 — FVNR-4 — 3-1/C #2 — WASTE MGMT SYS 1B HEAT TRACING TRANSF 45KVA

GF1 — FVR-1 — 1-3/C #12 — 0.2 / 1.61 — AIR RECIRC COOLER INLET HDR B VALVE MV-14-5

GF2 — FVR-1 — 1-3/C #12 — 0.193 / .55 — AIR RECIRC COOLER OUTLET HDR B VALVE MV-14-7

GF3 — 1-3/c #12 — SPARE — MOV-INCORE DET-DRIVE MACHINE

ER3 — FVNR-3 — 1-3/C #2 — 30 / 38 — REAC BLDG SWGR EXH FAN HVS-5B

ER2 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — HPSI PUMP DISCH VALVE V-3654

ER1 — FVR-1 — 1-3/C #12 — 1.6 / 4.0 — AUX BLDG 480V PWR RECP #49, #52, #54, #72

DR5 — 4-1/C #2 — SPARE

DR4 — AUX BLDG SUPPLY FAN HVS-4B

DR3 — FVNR-1 — 1-3/C #8 — BORIC ACID MAKE-UP TANK 1A HTR B 6.75 KW

DR2 — FVR-1 — 1-3/C #12 — 1.0 / 2.8 — AUX FW PUMP 1B DISCH TIE VALVE MV-09-14

DR1 — FVR-1 — 1-3/C #12 — .33 / .95 — AUX FW PUMP 1B DISCH VALVE MV-09-10

CR3 — FVNR-4 — 3-1/C #2/0 — 60 / 72.0 — AUX BLDG SUPPLY FAN HVS-4B

CR2 — FVR-1 — 1-3/C #12 — SPARE

CR1 — FVR-1 — 1-3/C #12 — 0.2 / 1.61 — SHIELD BLDG VENT VALVE FCV-25-12

BR3 — FVNR-3 — 3-1/C #2 — 30 / 38 — AUX BLDG SWGR EXH FAN HVS-5B

BR2 — FVR-1 — 1-3/C #12 — 1.3 / 2.4 — HPSI FLOW CONTROL VALVE V-3616

BR1 — FVR-1 — 1-3/C #12 — 1.3 / 2.5 — HPSI FLOW CONTROL VALVE V-3644

AR4 — 3-1/c #4/0 — 480V PP-136

AR3 — FVR-1 — 1-3/C #12 — 0.7 / 2.3 — BORIC ACID GRAVITY FEED VALVE V-2509

AR2 — FVR-1 — 1-3/C #12 — 1.6 / 4.0 — LPSI FLOW CONTROL VALVE V-3645

AR1 — FVR-1 — 1-3/C #12 — 3.9 / 6.1 — SAFETY INJECT TANK 1A-2 DISCH VALVE V-3614

FR1 — FVR-1 — 1-3/C #12 — 0.2 / 1.61 — CONTROL ROOM NORTH OAI ISOL VALVE FCV-25-14

FR2 — FVR-1 — 3-1/c #12 — 0.66 / 2.5 — RCP SEAL INJECTION VALVE I-MV-02-01

FR3 — FVNR-4 — 3-1/c #2 — CHEM & VOL CONTROL SYS HEAT TRACE TRANSF 1B 45 KVA

GR1 — FVNR-4 — 3-1/c #2/0 — BATTERY CHARGER 1B 68 KVA

GR2 — NOT USABLE SPACE

GF4 — FVNR-5 — NON-ESSENTIAL LOADS BREAKER

HF1 — FVNR-2 — 1-3/C #8 — 15 / 19.2 — REAC CAVITY SUMP PUMP 1B

HF2 — 1-3/C #2 — 30 KVA TRANSF LP-113

HF3 — 3-1/c #2 — REAC BLDG 480 V PWR RECP # 58 #62, #66

HF4 — FVNR-1 — SPARE

HF5 — FVNR-1 — SPARE

HF6 — SPACE

HR1 — 1-3/C #2 — 45 KVA TRANSF LP-115

HR2 — FVNR-2 — 3-1/c #6 — 25 / 29 — CONTAINMENT INSTR AIR COMPR 1B

HR3 — FVNR-1 — SPARE

HR4 — 1-3/c #12 — DECONTAMINATION ROOM HVS-11

HR5 — FVNR-1 — DECONTAMINATION ROOM HVE-3G

HR6 — 4-1/C #2 — 480V PWR RECEP # 145, 146

HR7 — 1-3/c #8 — RAB SWGR RM HOIST (SEE NOTE 3)

FOR CONTINUATION SEE DWG 8770-G-275 SH. 6A

NOTES
1. FOR SYMBOLS AND ADDITIONAL NOTES SEE, DWG. 8770-G-275, SH.1
2. FOR REFERENCE DRAWINGS, SEE DWG 8770-G-275 SH.2
3. LOCAL CONTACTOR PROVIDED BY MANUFACTURER

Docket # 50-335
Control # 8809060201-124
Date 8/30/88 of Document
REGULATORY DOCKET FILE

ST APERTURE CARD

WILLIAM J. ROM — CERTIFICATE No. 15106 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY	CH.	APPROVED
G	5/12/76	REVISED: MCC 1A5, CPT. AF3(D11); MCC 1B-5 CPT(M71 PER PCM 92-82	J. GOMEZ	H. SHANNON	1/MAY
5	2-7-76	REVISED: MCC 1A-5, CPT. BF3(E8) MCC 1B-5, CPT. BF2(I18) PER PCM 050-185	R.C.		
4	1/16/76	REVISED: MCC 1A-5, CPT. HR2(C16), MCC 1B-5, CPT. AR4 (J-11) PER PCM 240-104	R.C.	RP	
3	1-10-74	REVISED TO REFLECT PD&M AS-BUILT CONDITIONS			
		REVISED: MCC 1A-5, COMPARTMENT AF5 (C11) PER PCM 092-182	MM		
		REVISED: CABLE SIZE (B-12) (E-5, K9, E-M2) PER PCM 240-183 E	B.	T.P. RALLIS	
		A. SCHILDKRAUT PE# 0029986			
		ADDED: NOTES (E15, L15) PER PCM 142-80	B. SENTENA	T.W. WYATT	
		REVISED: IR4 & IR5 (M8) PER PCM 140-80			
		REVISED: FR2 (M1) PER PCM 69-81			
2	2/3/77	AS BUILT	TY	DH	JEV
1	6-3-75	ADDED: LOAD SHEDDING REVISED TO REFLECT PD&M DATA AS OF 11-74 NOTE 2 (F8)	CC.		

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1975-890,000 KW INSTALLATION-UNIT 1

480V MOTOR CONTROL CENTERS
ONE LINE WIRING DIAGRAM SH6

EBASCO SERVICES INCORPORATED

SCALE: NONE — APPROVED — DATE 9.18.74
DIV. ELEC — DR. J. PAUTZ — CH. R. FERRENCE
8770-G-275 SH. 6