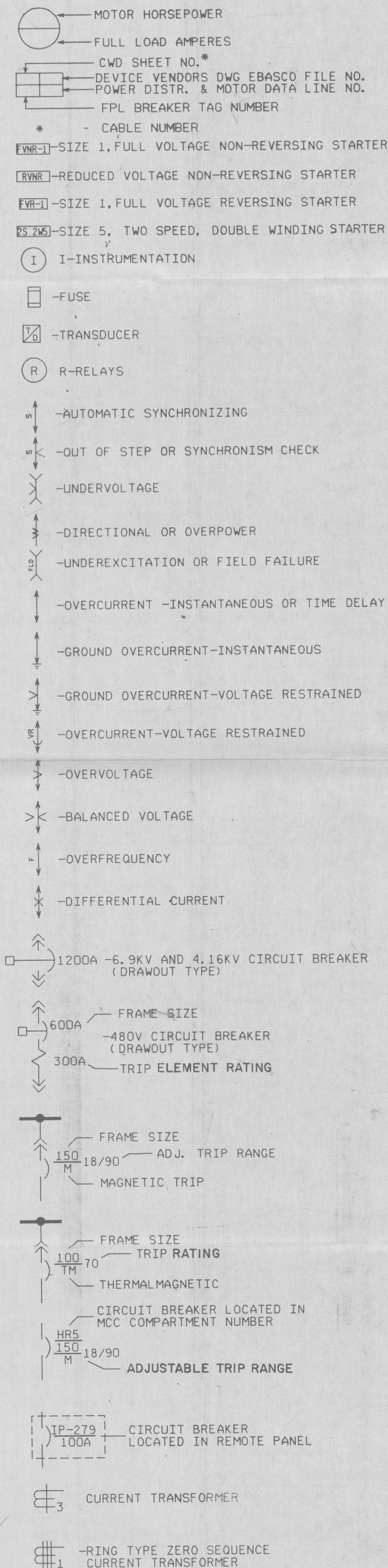
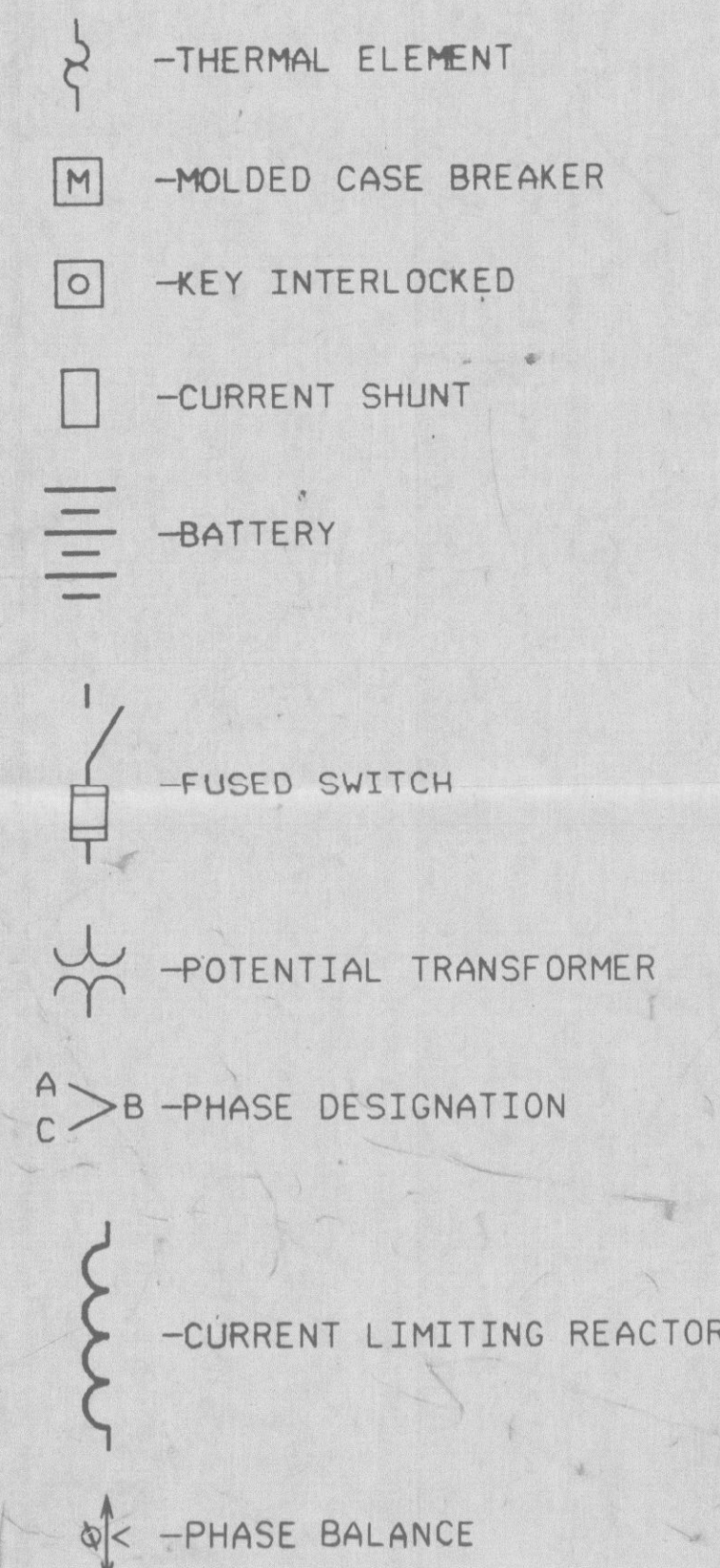


SYMBOLS



SYMBOLS (CONTINUED)



ABBREVIATIONS

- A - AMMETER
- ANN - ANNUNCIATOR
- AUX - AUXILIARY
- BKR - BREAKER
- BLDG - BUILDING
- CCW - COMPONENT COOLING WATER
- CEA - CONTROL ELEMENT ASSEMBLY
- CEDM - CONTROL ELEMENT DRIVE MECHANISM
- CHEM - CHEMICAL
- CIRC - CIRCULATING
- CLF - CURRENT LIMITING FUSE
- CLR - CURRENT LIMITING REACTOR
- COMPT - COMPARTMENT
- COND - CONDENSER
- CONT, CTL - CONTROL
- CW - CIRCULATING WATER
- CLG - COOLING
- CWD - CONTROL WIRING DIAGRAM
- DISCH - DISCHARGE
- D. E. H - DIGITAL ELECTRO HYDRAULIC
- DWG - DRAWING
- ELEC - ELECTRICAL
- EMERG - EMERGENCY
- ET - ELAPSED TIMER
- F - FREQUENCY
- FDR - FEEDER
- FHB - FUEL HANDLING BUILDING
- FLA - FULL LOAD AMPERES
- FW - FEED WATER
- FWP - FEED WATER PUMP
- GEN - GENERATOR
- GRND - GROUND
- HDR - HEADER
- H.P. - HIGH PRESSURE
- HTR - HEATER
- HPSI - HIGH PRESSURE SAFETY INJECTION
- LAB - LABORATORY
- LB - POUND
- LP - LIGHTING PANEL
- LPSI - LOW PRESSURE SAFETY INJECTION
- L.P. - LOW PRESSURE
- L.O. - LUBE OIL
- M - MAGNETIC
- M-G - MOTOR GENERATOR
- MCC - MOTOR CONTROL CENTER
- MTR - MOTOR
- MV - MOTOR OPERATED VALVE
- M.O. - MOTOR OPERATED
- OL - OVERLOAD
- PC - POWER CENTER
- PNL - PANEL
- PP - POWER PANEL
- R - RELAY
- RAB - REACTOR AUXILIARY BUILDING
- RCP - REACTOR COOLANT PUMP
- REG - REGULATOR
- RM - ROOM
- RTN - RETURN
- S - SYNCHRONISM
- SERV - SERVICE
- SPLY - SUPPLY
- STA - STATION
- STG - STORAGE
- STM - STEAM
- SW - SWITCH
- SWGR - SWITCHGEAR
- TERM - TERMINAL
- TM - THERMAL MAGNETIC
- TRANSF - TRANSFORMER
- TURB - TURBINE
- V - VOLTMETER
- VAR - VOLTAGE AMPERE REACTIVE
- VLV - VALVE
- W - WATTS
- WH - WATTHOUR
- WTR - WATER

REFERENCE DRAWINGS

- POWER DISTR. & MOTOR DATA 2998-B-335
- MAIN ONE LINE WIRING DIAGRAM -G-272
- AUXILIARY ONE LINE DIAGRAM -G-274
- AUXILIARY ONE LINE DIAGRAM -G-274 SH. 2
- CONTROL WIRING DIAGRAMS -B-327
- PHASING AND VOLTAGE VECTOR DIAG. -G-329
- CABLE & CONDUIT LIST -B-328
- 480V POWER RECEPTACLES ONE LINE DIAGRAM SH. 1 -G-269 SH. 1
- 480V POWER RECEPTACLES ONE LINE DIAGRAM SH. 2 -G-269 SH. 2
- 480V POWER RECEPTACLES ONE LINE DIAGRAM SH. 3 -G-269 SH. 3
- 480V MISCELLANEOUS, 125V DC & VITAL AC ONE LINE SH. 1 -G-332 SH. 1
- 480V MISCELLANEOUS, 125V DC & VITAL AC ONE LINE SH. 2 -G-332 SH. 2
- ELECTRICAL GENERAL INSTALLATION NOTE ISOLATION PANEL DETAILS -B-271
- G-276 SH. 1, SH. 2

ONE LINE DIAGRAMS

- INDEX, SYMBOLS AND ABBREVIATIONS
- SH. 1 125V DC PANELS: BUS 2A, BUS 2AA
- SH. 2 125V DC PANELS: BUS 2B, BUS 2BB
- SH. 3 125V DC PANELS: BUS 2AB, PP-240
- PP-254, PP-255
- SH. 4 125V DC PANELS: PP-218, PP-219
- PP-238, PP-239
- SH. 5 125V DC PANELS: BUS MA, BUS MB
- BUS MC, BUS MD
- SH. 6 125V DC BUS 2C, 125V DC BUS 2D
- SH. 10 120V VITAL AC PANELS: PP-266, PP-267
- SH. 11 120V VITAL AC PANELS: BUS 2A, BUS 2A-1
- BUS 2B, BUS 2B-1
- SH. 12 120V VITAL AC PANELS: BUS 2MA, BUS 2MA-1
- BUS 2MB, BUS 2MB-1
- SH. 13 120V VITAL AC PANELS: BUS 2MC, BUS 2MC-1
- BUS 2MD, BUS 2MD-1
- SH. 14 120V VITAL AC PANELS: PP-237, PP-237A
- SH. 15 120V VITAL AC PANELS: PP-264, PP-265
- SH. 16 6.9KV SWITCHGEAR NO 2A1 AND NO 2B1
- SH. 17 4.16KV SWITCHGEAR NO 2A2 AND NO 2B2
- SH. 18 4.16KV SWITCHGEAR NO 2A3 AND NO 2B3
- SH. 19 4.16KV SWITCHGEAR NO 2AB, NO 2A4 AND NO 2B4
- SH. 21 480V SWITCHGEAR NO 2A1 AND NO 2B1
- SH. 22 480V SWITCHGEAR NO 2A2 AND NO 2B2
- SH. 23 480V SWITCHGEAR NO 2A5, NO 2B5, NO 2AB
- SH. 24 480V SWITCHGEAR NO 2A3 AND NO 2B3
- SH. 25 480V MOTOR CONTROL CENTER NO 2A1
- SH. 26 480V MOTOR CONTROL CENTER NO 2A2
- SH. 27 480V MOTOR CONTROL CENTER NO 2A3 AND 2A10
- SH. 28 480V MOTOR CONTROL CENTER NO 2B1
- SH. 29 480V MOTOR CONTROL CENTER NO 2B2
- SH. 30 480V MOTOR CONTROL CENTER NO 2B3 AND 2B10
- SH. 31 480V MOTOR CONTROL CENTER NO 2A5 SH.1
- SH. 32 480V MOTOR CONTROL CENTER NO 2A5 SH.2
- SH. 33 480V MOTOR CONTROL CENTER NO 2A7 AND NO 2B7
- SH. 34 480V MOTOR CONTROL CENTER NO 2A8 AND NO 2C
- SH. 35 480V MOTOR CONTROL CENTER NO 2B5 SH.1
- SH. 36 480V MOTOR CONTROL CENTER NO 2B5 SH.2
- SH. 37 480V MOTOR CONTROL CENTER NO 2A6 SH.1
- SH. 38 480V MOTOR CONTROL CENTER NO 2A6 SH.2
- SH. 39 480V MOTOR CONTROL CENTER NO 2A8 AND NO 2A9
- SH. 40 480V MOTOR CONTROL CENTER NO 2B6 SH.1
- SH. 41 480V MOTOR CONTROL CENTER NO 2B6 SH.2
- SH. 42 480V MOTOR CONTROL CENTER NO 2B8 AND NO 2B9

NOTES

1. ALL 6.9KV CIRCUIT BREAKERS ARE RATED 2000A OR 1200A CONTINUOUS AS NOTED, 500MVA NOMINAL, 3 PHASE, 60 CYCLES, 70KA RMS ASYMMETRICAL CLOSE AND LATCH, AND 39.5KA RMS SYMMETRICAL INTERRUPTING CAPACITY AT 6.9KV UNLESS OTHERWISE NOTED.
2. ALL 4.16KV CIRCUIT BREAKERS ARE RATED 250MVA NOMINAL FOR 1200A BREAKER AND 350MVA NOMINAL FOR 3000A BREAKER, 3 PHASE, 60 CYCLES, 80KA RMS ASYMMETRICAL CLOSE AND LATCH, AND 35KA FOR 1200A BREAKER AND 46.9KA FOR 3000A BREAKER RMS SYMMETRICAL INTERRUPTING CAPACITY AT 4.16KV UNLESS OTHERWISE NOTED.
3. ALL 480V SWITCHGEAR BUSES ARE RATED 1600A CONTINUOUS, 50KA RMS SYMMETRICAL EXCEPT SWITCHGEAR 2A1, 2A2, 2B1, 2B2, 2A5 AND 2B5 ON THE PRIMARY SIDE OF THE CURRENT LIMITING REACTOR WHERE THE BUSES ARE RATED 2500A CONTINUOUS, 50KA RMS SYMMETRICAL.
4. ALL 480V SWITCHGEAR BREAKERS ARE RATED 600A CONTINUOUS, 30KA RMS SYMMETRICAL INTERRUPTING CAPACITY AT 480V UNLESS OTHERWISE NOTED.
5. ALL 480V MOTOR CONTROL CENTER BUSES ARE RATED 600A CONTINUOUS 22KA RMS SYMMETRICAL UNLESS OTHERWISE NOTED.
6. ALL 480V MOTOR CONTROL CENTER THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKERS ARE 100A FRAME, RATED 22KA SYMMETRICAL INTERRUPTING CAPACITY UNLESS OTHERWISE NOTED.
7. ALL 480V MOTOR CONTROL CENTER COMBINATION STARTERS ARE RATED 22KA RMS SYMMETRICAL INTERRUPTING CAPACITY UNLESS OTHERWISE NOTED.
8. [F] INDICATES THE DESIGN INFORMATION FOR THE CHANGES SHOWN HAS BEEN ENGINEERED BY FPL.

Docket # 50-335
 Date 3/27/87
 REGULATORY DOCKET FILE

RECEIVED
 FEB 27 1987

STATE OF FLORIDA
 ALAN L. SCHILDKRAUT
 29986
 Registered PE

NUCLEAR SAFETY RELATED

Approval Date: 04/25/85
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FLORIDA POWER & LIGHT COMPANY
 ST. LUCIE PLANT
 1983-890MW (e) EXTENSION-UNIT NO. 2
 INDEX
 SYMBOLS, ABBREVIATIONS
 ONE LINE WIRING DIAGRAMS
 & REFERENCE DRAWINGS

EBASCO SERVICES INCORPORATED

SCALE NONE	APPROVED KENNETH HANCOCK	DATE 04-25-84
DIV. ELECTRICAL	A SCHILDKRAUT	2998-G-275
CH. R. ENGESSER	RC	SHEET A

NO	DATE	REVISION	BY	CH	APPROVED
3	2-3-87	ADDED: NOTE (H13) FPL 235-384 [F] (B16 TRIP) (H18)	CH	R.C.	AS
2	8-6-85	REVISED: 5VM (E1, H2, J1, L1) ONE LINE DIA. REF. (R12, T100, H10) ONE * (R12, H19) PER GEN. AS BUILT	CH	R.C.	AS
1	5-28-85	ADDED: BUS 2D (C18), SYMF(S) PP-264 & PP-265 (D18) PER PCH-203-283	CH	R.C.	AS

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