COMMON NOTES:

1. 400/480 VAC, 3-PHASE AND SINGLE-PHASE WIRING IS CODED AS FOLLOWING:

1/A -	BROWN
2/B -	ORANGE
3/C -	YELLOW
N -	WHITE
PE -	GREEN

2. 120/208 VAC, 3-PHASE AND SINGLE-PHASE WIRING IS CODED AS FOLLOWING:

1/A -	BLACK
2/B -	RED
3/C -	BLUE
N -	WHITE
PE -	GREEN

3. 24VDC & CONTROLS WIRING SHALL BE CODED AS FOLLOWS:

24 VDC -	RED
COMMON -	BLACK
SIGNAL -	GRAY
PE -	GREEN

4. WHEN CONDUCTORS DO NOT MATCH THE COLOR CODING SCHEME ABOVE, COLORED HEAT SHRINK TUBING SHALL BE USED TO MATCH COLOR CODE.
5. SPRING CAGE TERMINAL SHOULD NOT BE FERRULED

DRAWING SPECIFIC NOTES:

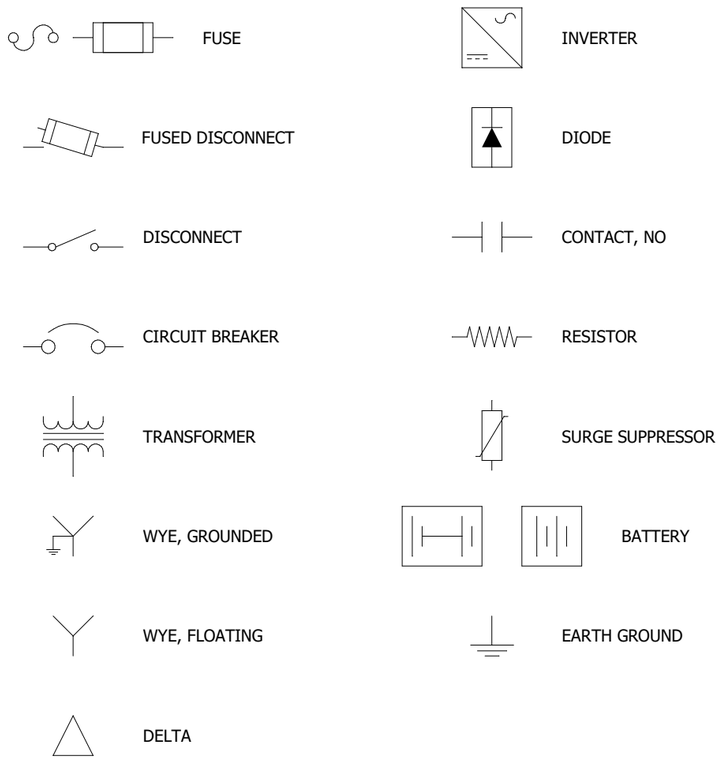
[1] SYSTEMS RATED FOR A MINIMUM DC INPUT OF 720 VDC WILL HAVE AN AC OUTPUT OF 480 VAC.
SYSTEMS RATED FOR A MINIMUM DC INPUT OF 825 VDC WILL HAVE AN AC OUTPUT OF 550 VAC.

LOCATION REFERENCES:

L1 - OUTDOOR CABINET

- L1 L1 - AC BAY
  - L1 L1 L1 - AC1 PRECHARGE
  - L1 L1 L2 - AC2 PRECHARGE
- L1 L2 - MODULE ACCESS
- L1 L3 - DC BAY
  - L1 L3 L1 - DC1 PRECHARGE
  - L1 L3 L2 - DC2 PRECHARGE
- L1 L4 - CONTROLS BAY
- L1 L5 - BUS ACCESS (BACK)

COMMON SYMBOL KEY:



LABELS:

[#] NOTE REFERENCE

► OFF-PAGE REFERENCE
SHEET-ROW-COLUMN

LINE TYPES:

WIRE OR CABLE

ENCLOSURE/BOUNDRY

COMMON REFERENCE DESIGNATORS:

AC	-	ALTERNATING CURRENT
BT	-	BATTERY
CB	-	CIRCUIT BREAKER
D	-	DIODE
DC	-	DIRECT CURRENT
E	-	ALTERNATING CURRENT
F	-	SURGE ARRESTOR
FM	-	FP2000 POWER MODULE
K	-	CONTACTOR
PS	-	POWER SUPPLY
R	-	RESISTOR
S	-	SWITCH

REV	DATE	ENG	CHK	APR	CHANGES
A	4/3/2019	TER	HHH	AAC	INITIAL RELEASE

Revisions

WEG ELECTRIC CORP.
29 Pitman Road
Barre, VT 05641 USA
www.weg.net

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FP2000 DUAL-INVERTER OUTDOOR UNIT SINGLE LINE DIAGRAM

J11450	REV A	SIZE: B	SHEET 1 OF 2

L1 - OUTDOOR CABINET

L1 L3 - DC BAY

L1 L3 L2 - DC2 PRECHARGE

K21
K22

R7
R8

K27

F19
F20

E3
E4

L1 L3 L1 - DC1 PRECHARGE

K18
K19

R5
R6

K28

F27
F28

E5
E6

DC INPUT
DC2+, DC2-

1 720 - 1100 VDC
or 825 - 1100 VDC
1250 ADC

L1 L2 - MODULE ACCESS

F21
F22

FM4
FM5
FM6

FP2000 POWER MODULES
INCLUDES FILTER

F29
F30

FM1
FM2
FM3

FP2000 POWER MODULES
INCLUDES FILTER

L1 L1 - AC BAY

L1 L1 L2 - AC2 PRECHARGE

R3
R4

D14

K16

F32

S17
MANUAL
LOCKABLE

AC CB2

E2

L1 L1 L1 - AC1 PRECHARGE

R1
R2

D12

K14

F31

S16

AC CB1

E1

AC OUTPUT
A2, B2, C2

480 Vrms
or 550 Vrms 1
1100 Arms

INVERTER 2

AC OUTPUT
A1, B1, C1

480 Vrms
or 550 Vrms 1
1100 Arms

INVERTER 1

GROUND BUSBAR
GND

L1 L4 - CONTROLS BAY

BT1

BT2

CB100

PS3

PCS Controls

L1 L5 - BUS ACCESS (BACK)

PSA1

E7

S20

AUX POWER INPUT
AT S20

400 Vrms
or 480 Vrms
15 Arms

REV	DATE	ENG	CHK	APR	CHANGES
A	4/3/2019	TER	HHH	AAC	INITIAL RELEASE

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PROPRIETARY: SEE SHT 1

SINGLE LINE DIAGRAM

J11450	REV A	SIZE: B	SHEET 2 OF 2