

* Dashed lines indicate Existing Equipment

SAMPLE WIND DIAGRAM

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NOTES DENOTED WITH < > ARE REFERENCED FROM SHEET 3

COMPANY NAME				
COMPANY ADDRESS Phone #		ONE-LINE ELECTRICAL DIAGRAM 1.8 kW WIND SYSTEM		
Drawn:		999 N. CACTUS BIRD RD.		
Checked:		ANY CITY, AZ 85123		
Scale	Drawing No.	Sheet	Rev	Date
NONE	0000-0000	1 of 5	A	05-12-2008

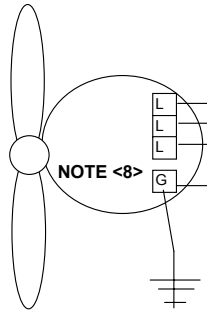
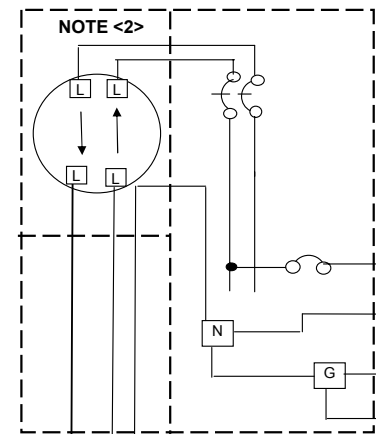
1000 WATT WIND TURBINE
 [SPECIFY Make & Model]
 3Φ, 120V AC OUTPUT, 10 AMPS

**WIND SYSTEM
 DC DISCONNECT SWITCH**
 [SPECIFY Make, Model]
 3 POLE, 30A, 600 VDC

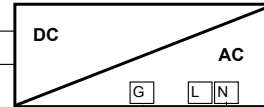
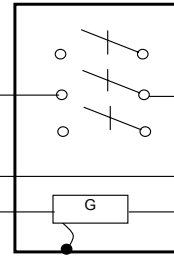
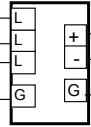
1800 WATT INVERTER
 100 TO 400 VDC TO 120 VAC, 1Φ
 [SPECIFY Make, Model #]
 [SPECIFY Pos OR NEG GROUNDED]

**DC INTERFACE/ UTILITY LINK /
 CHARGE CONTROLLER**
 [SPECIFY Make & Model, & Voltage
 Output]

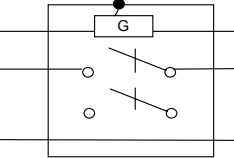
ELECTRICAL SERVICE ENTRANCE
 [SPECIFY VOLTAGE & AMP RATING]
 120/240 VAC, 200 AMP BUS



[AS REQUIRED BY
 MANUFACTURER]

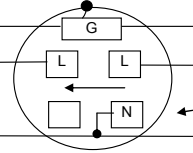


NOTE <4> & <7>



**WIND SYSTEM
 UTILITY DISCONNECT SWITCH**
 [SPECIFY Make and Model #]
 2 POLE, 30 A, 240VAC

NOTE <6>



DEDICATED WIND kWh METER
 [SPECIFY METER TYPE]
 120V, 100A, FORM #1S

(* Please note the
 Neutral connection is
 at the top of the
 meter.)

IRREVERSIBLE COMPRESSION TYPE CONNECTOR PER NEC 250.64 (C)(1)

**GEC, run Independently of other conductors and tie
 directly into AC grounding electrode**

UTILITY GRID
 [SPECIFY VOLTAGE &
 PHASE]
 120/240V , single phase

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COMPANY NAME				
COMPANY ADDRESS Phone #		THREE-LINE ELECTRICAL DIAGRAM 1.8 kW WIND SYSTEM		
Drawn:		999 N. CACTUS BIRD RD.		
Checked:		ANY CITY, AZ 85123		
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NOTES:

<1> ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND ALL APPLICABLE REQUIREMENTS OF THE SERVING ELECTRIC UTILITY COMPANY AND OF THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

<2> BI-DIRECTIONAL UTILITY METER TO BE INSTALLED BY UTILITY COMPANY.

<3> LABEL BREAKER "WIND SYSTEM POWER SOURCE" PER NEC 705.10.

<4> LABEL "WIND SYSTEM UTILITY DISCONNECT SWITCH". SWITCH COVER TO BE LOCKED AT ALL TIMES. SWITCH TO BE VISIBLE BLADE AND ACCESSIBLE PER UTILITY REQUIREMENTS AND CONFORM TO NEC 705.22.

<5> LABEL "WIND SYSTEM DC DISCONNECT SWITCH".

<6> LABEL "WIND SYSTEM DEDICATED KWH METER".

<7> PROVIDE WARNING SIGN PER NEC 705.22(4) READING, "WARNING-ELECTRIC SHOCK HAZARD-DO NOT TOUCH TERMINALS-TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OFF POSITION".

<8> LISTING AGENCY NAMES AND NUMBERS TO BE INDICATED ON POWER INVERTER PER NEC 110.3(B).

<9> LABEL "DO NOT ADD LOADS TO COMBINER PANEL".

<10> GEC TO BE INSTALLED AS REQUIRED BY MANUFACTURER INSTRUCTIONS AND NEC 250.64.

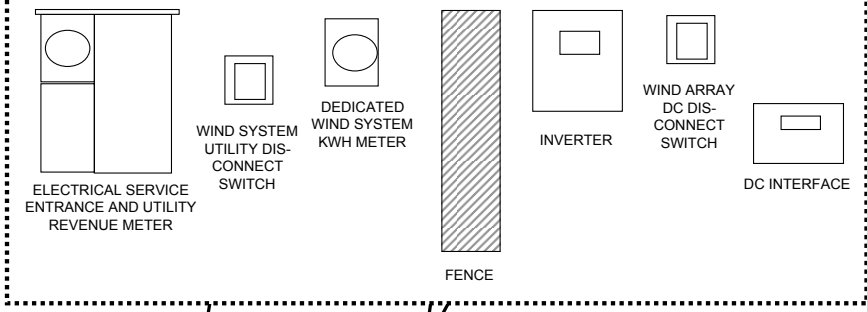
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SAMPLE WIND DIAGRAM

COMPANY NAME				
COMPANY ADDRESS Phone #		NOTES		
Drawn:		1.8 kW WIND SYSTEM		
Checked:		999 N. CACTUS BIRD RD.		
		ANY CITY, AZ 85123		
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EQUIPMENT LAYOUT



N. CACTUS BIRD RD.

NOTE: UTILITY HAS 24-HR UNRESTRICTED ACCESS TO UTILITY DISCONNECT SWITCH AND KWH METER(S)

DRIVEWAY

RESIDENCE

SAMPLE WIND DIAGRAM

WIND TURBINE

UNDERGROUND CABLE

WIND DC DISCONNECT

UNLOCKED GATE

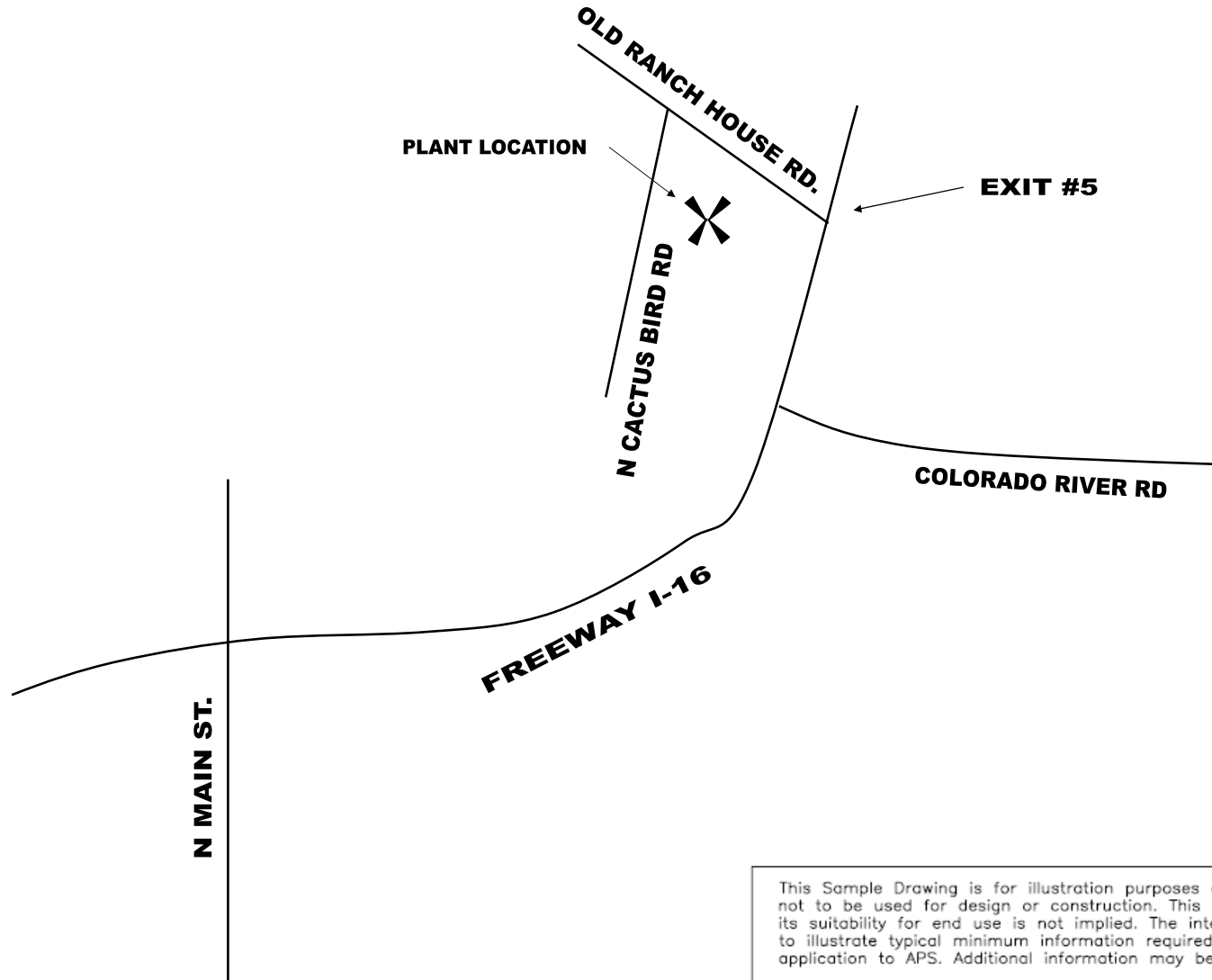
WIND SYSTEM UTILITY DISCONNECT SWITCH

DEDICATED WIND SYSTEM KWH METER

ELECTRICAL SERVICE ENTRANCE AND UTILITY REVENUE METER

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COMPANY NAME				
COMPANY ADDRESS Phone #		SITE PLAN 1.8 kW WIND SYSTEM 999 N. CACTUS BIRD RD. ANY CITY, AZ 85123		
Drawn:	Checked:	Scale	Drawing No.	Sheet
		NONE	0000-0000	4 of 5
				Rev
				A
				Date
				05-08-2008



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SAMPLE WIND DIAGRAM

COMPANY NAME				
COMPANY ADDRESS Phone #		SITE MAP		
Drawn:		1.8 kW WIND SYSTEM		
Checked:		999 N. CACTUS BIRD RD.		
		ANY CITY, AZ 85123		
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NONE	0000-0000	5 of 5	A	05-08-2008