

## NOTES:

- A. MAIN SERVICE PANEL MUST COMPLY WITH NEC ARTICLES 694.50 AND 705.10.
- B. PRODUCTION METER PROVIDED AND INSTALLED BY C.O.B. ELECTRIC DEPARTMENT AT CUSTOMERS EXPENSE, METER SOCKET PROVIDED BY INSTALLER.
  - CENTER OF METER MUST BE INSTALLED BETWEEN 4'0" AND 6'3" ABOVE FINAL GRADE.
- C. UTILITY AC DISCONNECT TO BE LOCATED WITHIN 10' OF SERVICE PANEL, MUST COMPLY WITH NEC ARTICLES 694.22 AND 694.50.
- D. INVERTER MUST COMPLY WITH UL1741 AND NEC ARTICLES 694.18 AND 694.22. GROUNDING ELECTRODE SYSTEM MUST COMPLY WITH NEC ARTICLE 694.40.
- E. DC DISCONNECT MUST COMPLY WITH NEC ARTICLES 694.22 AND 694.50.
  - SEPARATE DC DISCONNECT IS REQUIRED ONLY IF INVERTER HAS AN INTEGRATED (NOT SEPARATED) DC DISCONNECT.

SIGNS OR DIRECTORIES SHALL BE ATTACHED TO THE ELECTRIC EQUIPMENT OR LOCATED ADJACENT TO THE IDENTIFIED EQUIPMENT. SIGNS SHOULD BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. ALL PLAQUES SHALL BE PERMANENTLY ATTACHED TO SURFACE OF ELECTRICAL EQUIPMENT BY MEANS OF EPOXY, SCREWS, OR RIVETS. OUTDOOR SIGNS SHALL BE EITHER METAL OR PLASTIC WITH ENGRAVED OR MACHINE PRINTED LETTERS, OR ELECTRO-PHOTO PLATING, IN A CONTRASTING COLOR TO THE SIGN BACKGROUND. SPACE REQUIREMENTS FOR ELECTRIC EQUIPMENT SHALL COMPLY WITH CEC ARTICLE 110.26.

- F. A LEASED SYSTEM MAY INCLUDE A SEPARATE METER BETWEEN THE AC DISCONNECT AND PRODUCTION METER, PROVIDED & INSTALLED BY THE LEASING COMPANY.

REVISED: 04/27/2011

APPROVED: *Re: Og 11-7-11*

STANDARD DRAWINGS



SMALL WIND SINGLE-PHASE SYSTEM DIAGRAM

SD

600-90

# UTILITY INTERACTION POINT AC DISCONNECT

RATED AC OUTPUT CURRENT =

NOMINAL OPERATING AC VOLTAGE =

# WIND POWER SOURCE DC DISCONNECT

RATED MAXIMUM POWER-POINT CURRENT =

RATED MAXIMUM POWER-POINT VOLTAGE =

MAXIMUM SYSTEM VOLTAGE =

SHORT-CIRCUIT CURRENT =

NOTES:

1. EACH DISCONNECT SHALL HAVE ITS OWN PLAQUE PLACED IN CLEAR VIEW.
2. PLAQUES SHALL BE PLACED ON ELECTRICAL EQUIPMENT WITHOUT COVERING MANUFACTURER LABELING.
3. PLAQUES SIZE SHALL NOT BE SMALLER THAN 2"X5" AND NO LARGER THAN 3"X6". (WITH EXCEPTION OF THE DIRECTORY PLAQUE)
4. FONT STYLE SHALL BE ARIAL AND FONT SIZE SHALL NOT BE SMALLER THAN SIZE 12 AND NO LARGER THAN SIZE 28.
5. PLAQUES SHALL BE RED WITH WHITE LETTERING.

SIGNS OR DIRECTORIES SHALL BE ATTACHED TO THE ELECTRIC EQUIPMENT OR LOCATED ADJACENT TO THE IDENTIFIED EQUIPMENT. SIGNS SHOULD BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. ALL PLAQUES SHALL BE PERMANENTLY ATTACHED TO SURFACE OF ELECTRICAL EQUIPMENT BY MEANS OF EPOXY, SCREWS, OR RIVETS. OUTDOOR SIGNS SHALL BE EITHER METAL OR PLASTIC WITH ENGRAVED OR MACHINE-PRINTED LETTERS, OR ELECTRO-PHOTO PLATING, IN A CONTRASTING COLOR TO THE SIGN BACKGROUND.

REVISED: 04/27/2011

APPROVED:

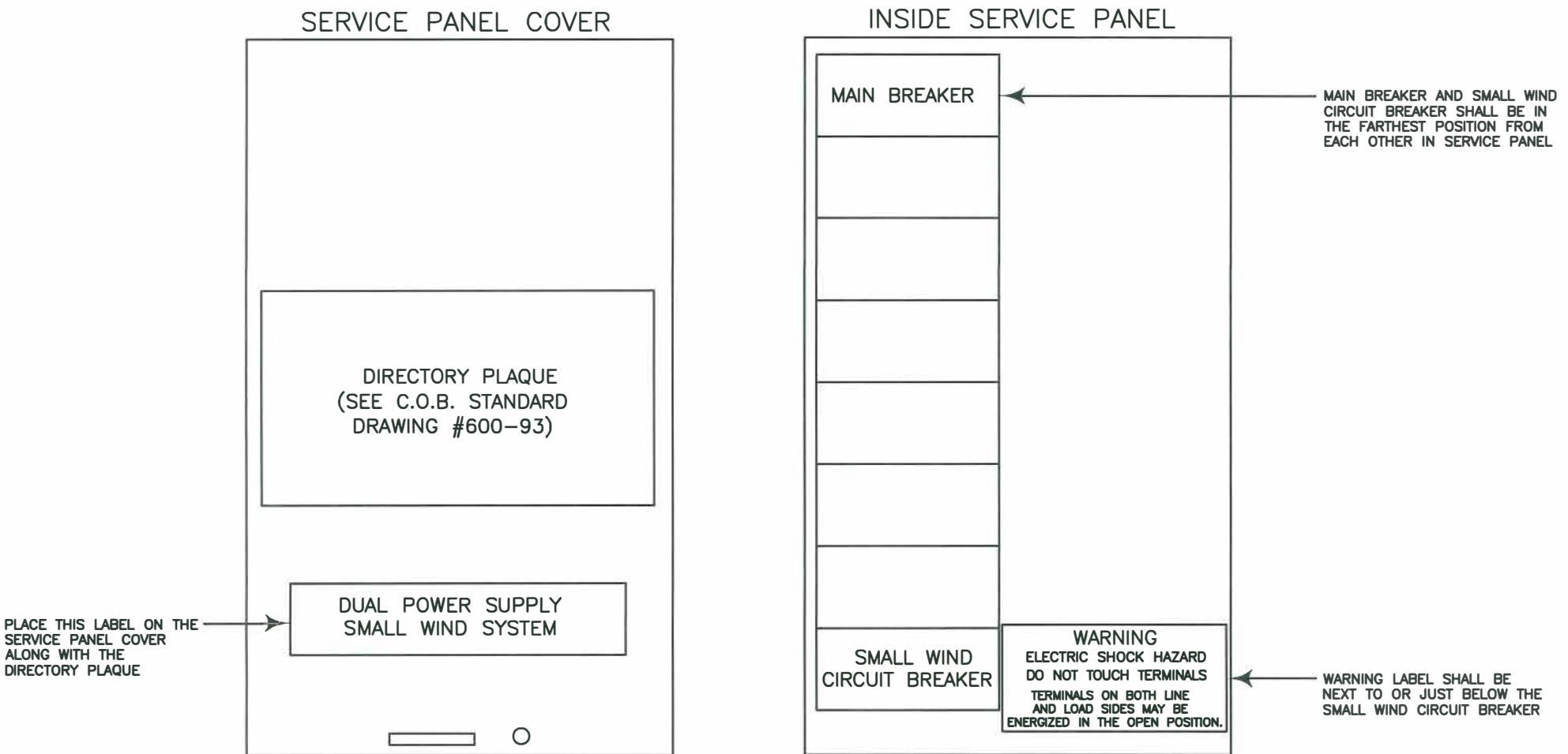
STANDARD DRAWINGS



SMALL WIND DISCONNECT LABELS

SD

600-91



NOTES:

1. LABELS SHALL BE PLACED IN CLEAR VIEW ON ELECTRICAL EQUIPMENT WITHOUT COVERING MANUFACTURER LABELING.
2. PLAQUES SIZE SHALL NOT BE SMALLER THAN 2"X5" AND NO LARGER THAN 3"X6". (WITH EXCEPTION OF THE DIRECTORY PLAQUE)
3. FONT STYLE SHALL BE ARIAL AND FONT SIZE SHALL NOT BE SMALLER THAN SIZE 12 AND NO LARGER THAN SIZE 28.
4. PLAQUES SHALL BE RED WITH WHITE LETTERING.
5. SIGNS SHOULD BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. ALL PLAQUES SHALL BE PERMANENTLY ATTACHED TO SURFACE OF ELECTRICAL EQUIPMENT BY MEANS OF EPOXY, SCREWS, OR RIVETS. OUTDOOR SIGNS SHALL BE EITHER METAL OR PLASTIC WITH ENGRAVED OR MACHINE-PRINTED LETTERS.



REVISED: 04/28/2011

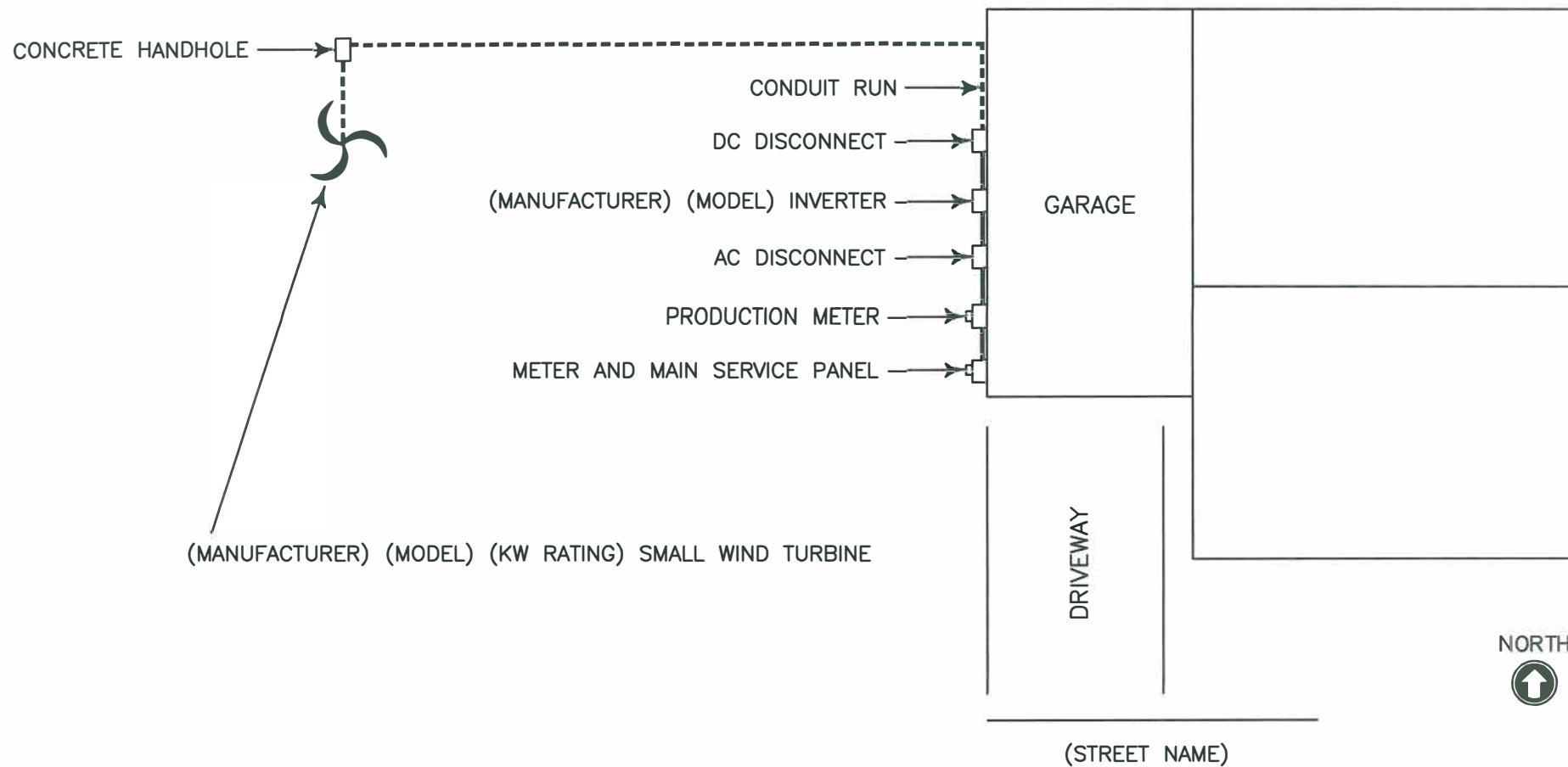
APPROVED: *REOg 11-7-11*

STANDARD DRAWINGS

SMALL WIND SERVICE PANEL WARNING LABELS

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600-92



NOTES:

1. PER NEC ARTICLE 694.56, A PLAQUE SHALL BE INSTALLED AT OR ADJACENT TO THE TURBINE LOCATION PROVIDING BASIC INSTRUCTIONS FOR DISABLING THE SMALL WIND TURBINE.
2. LABELS LISTED ABOVE WITH PARENTHESES INDICATE THAT THE SPECIFIC NAME MUST BE INSERTED IN PLACE OF THOSE GENERAL TERMS.
3. DIRECTORY PLAQUE MUST BE PLACED ON THE SERVICE PANEL IN CLEAR VIEW WITHOUT COVERING MANUFACTURER LABELING.
4. DIRECTORY PLAQUE MUST BE UNIQUE TO EACH HOUSE IT REPRESENTS (I.E. ROOF LAYOUT, EQUIPMENT LOCATION, ETC.)
5. FONT STYLE SHALL BE ARIAL AND FONT SIZE SHALL NOT BE SMALLER THAN SIZE 12 AND NO LARGER THAN SIZE 28.
6. PLAQUES SHALL BE RED WITH WHITE LETTERING.
7. SIGNS SHOULD BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. ALL PLAQUES SHALL BE PERMANENTLY ATTACHED TO SURFACE OF ELECTRICAL EQUIPMENT BY MEANS OF EPOXY, SCREWS, OR RIVETS. OUTDOOR SIGNS SHALL BE EITHER METAL OR PLASTIC WITH ENGRAVED OR MACHINE PRINTED LETTERS.



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STANDARD DRAWINGS

SMALL WIND DIRECTORY PLAQUE

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600-93