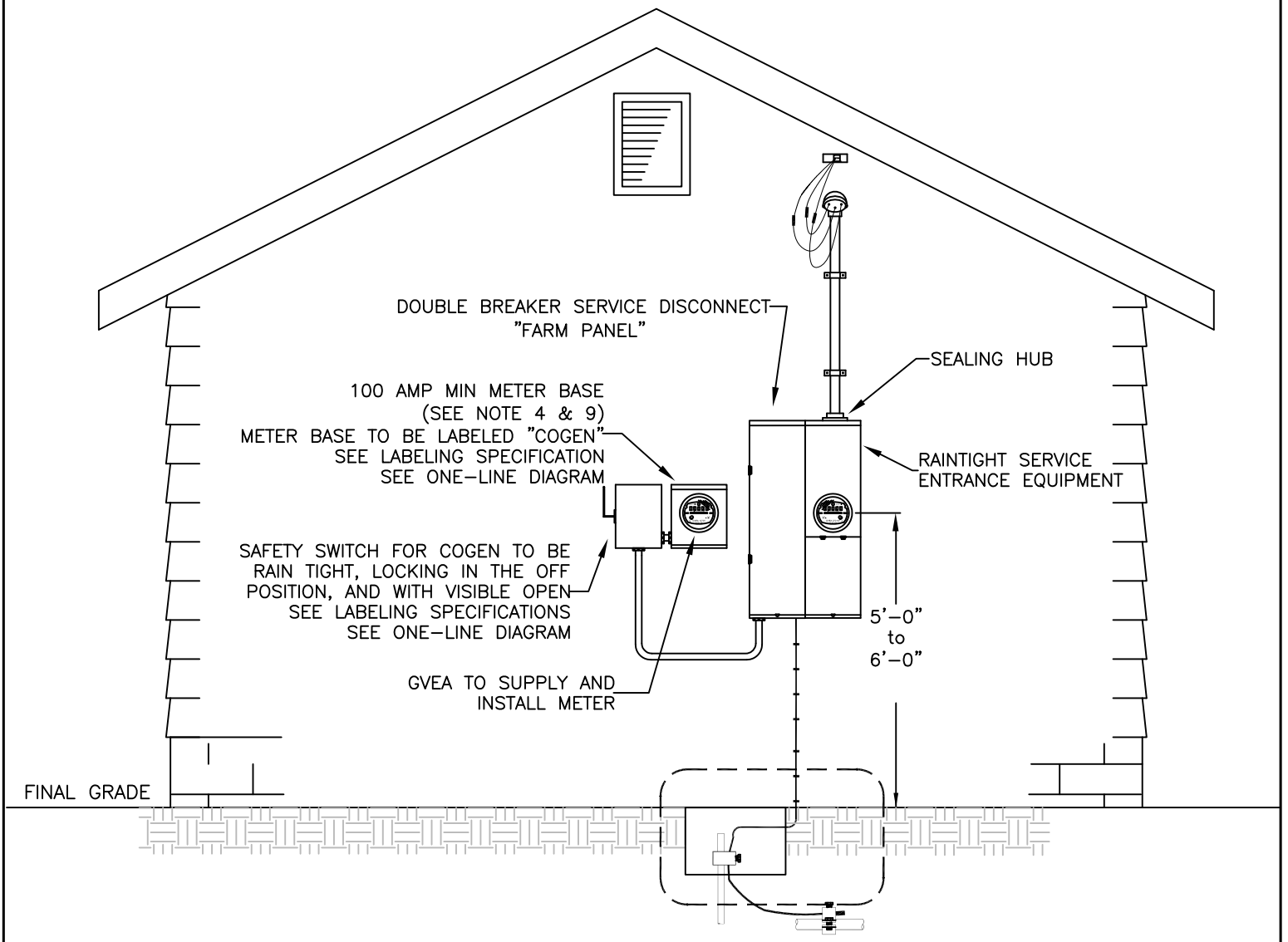
SNAP PLUS (25 kW or less)
Wind Option 2

COGEN meter equipment to main service equipment distribution panel



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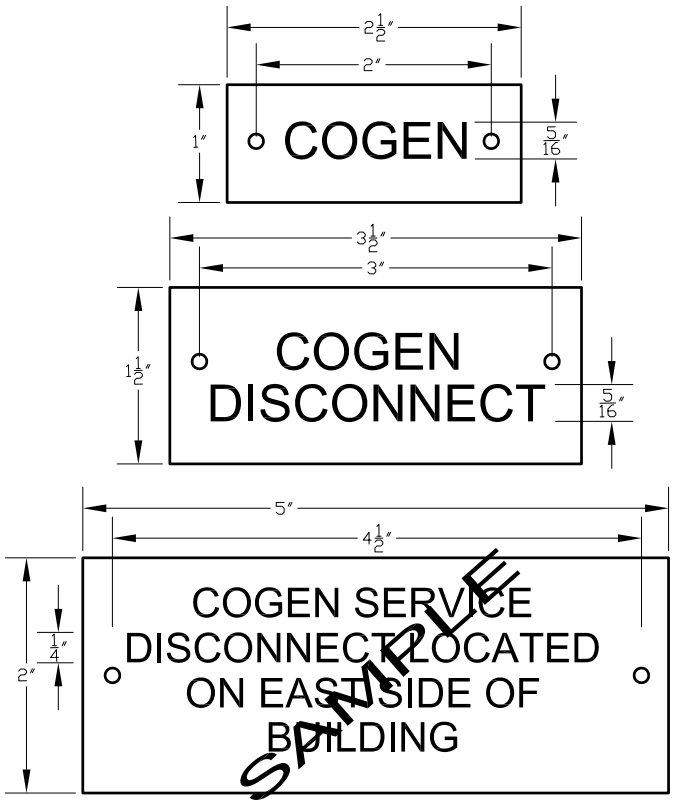
SNAP PLUS (25 kW or less)

LABELING SPECIFICATIONS



LABEL COGEN METER BASE
LABEL SAFETY AND DISCONNECT SWITCHES.
(SEE NOTE 8)

LOCATION: IF COGEN METER AND SERVICE ENTRANCE EQUIPMENT ARE NOT LOCATED ADJACENT TO EACH OTHER THEN A PLACARD OF THE LOCATION DISCRIPTION MUST BE PROVIDED.

MATERIAL: 2-PLEX, 1/8" THICK, BEVELED EDGE, BLACK SURFACE WITH WHITE LETTERING.

NOT ALL LABELING REQUIREMENTS ARE LISTED HERE. ADHERE TO ALL LABELING REQUIREMENTS UNDER NEC ARTICLE 694 AND 705.

NOTES:

1. All grounding must meet current NEC requirements.
2. Conductors or cables under drivable areas shall be placed in RMC or IMC conduit. Equipment grounding conductor to a distribution panel is required. See NEC 250.32(B).
3. Conductor insulation shall be type XHHW or RHW.
4. Installation of SNAP service equipment shall adhere to all applicable national, state, and local construction and safety codes. Including applicable NEC requirements. Reference NEC Article 694.
5. A permanent plaque or directory, denoting all electrical power sources on or in the premises, shall be installed at each service equipment location. See NEC 705.10
6. The sum of the overcurrent protective devices for mulitple sources shall not exceed 120% of busbar rating. See NEC 705.12
7. To be approved for a connection to Golden Valley's system, the member's actual installation must correspond to a reviewed set of construction plans that shall be submitted on an "Electrical Load Data and Electrical Print" form. See page 3 of Golden Valley's "Electrical Service Requirements for Commercial and Multi-Residential Installations" Booklet or contact the Engineering Services Department.
8. Electrical disconnect switch energized from both sides shall be provided with placard indicating that all contacts might be energized, per NEC 705.22 (4).
9. The installation of a SNAP Plus system on facilities with a primary meter, non-self contained meter, or service entrance capacity over 200A requires the submission and approval of drawings prepared by a Professional Engineer licensed in Alaska.
10. SNAP Plus Wind Systems must meet Turbine Shutdown requirements NEC 694.23 and 694.24.

SNAP Plus One-Line Wind (Option 2)

Provide All Applicable Information

Add Details for Additional/Optional Equipment (i.e. Transformers)

(Use Separate Sheet for Different Unit Types)

GVEA Service Drop (Info By GVEA)
- Existing Drop_____[Yes/No]
- Existing Drop Conductor Size_____[AWG]
- Drop Length_____[Feet]
- Existing Transformer Size_____[kVA or None]

To GVEA Transformer

Service Entrance Conductors
- Conductor Size, Line_____[AWG]
- Conductor Size, Neutral_____[AWG]
- Conduit Size_____
- Conductor Length_____[Feet]

SNAP Plus Service Disconnect Switch
- Overcurrent Device_____[Breaker/Fuse]
- Overcurrent Device Rating_____[Amps]
- Interrupt Rating (AIC)_____ [Amps]

Service Feeder Conductors
- Conductor Size, Line_____[AWG]
- Conductor Size, Neutral_____[AWG]
- Conduit Size_____
- Conductor Length_____[Feet]

M

Cu GEC to Approved Grounding System (Size Per NEC)

Service Entrance (net meter)
- Rating_____[Amps] (100 Amp Minimum)
- Installation Method_____ [Underground/Overhead]
- Overcurrent Device_____[Breaker/Fuse]
- Overcurrent Device Rating_____[Amps]
- Interrupt Rating (AIC)_____ [Amps]

Member Distribution Panel

SNAP Plus Feeder Conductors
- Conductor Size, Line_____[AWG]
- Conductor Size, Neutral_____[AWG]
- Conductor Size, EGC _____[AWG]
- Conduit Size_____
- Conductor Length_____[Feet]

Safety Switch
- Switch Rating_____[Amps]
- Lockable, Visible Open_____[Yes/No]
- Non-Fused_____[Yes/No]

Note: Disconnect means per NEC 694.20 and 694.22.

SNAP -Plus Feeder Conductors
- Conductor Size_____[AWG]
- Conductor Type_____[Cu/Al]
- Conductor Insulation_____
- Conductor Size, EGC_____[AWG]
- Conductor Size, DC GEC_____[AWG]
- Installation Method_____ [Underground/Overhead]

SNAP Plus Safety Switch Conductors

*SAME AS SNAP -Plus FEEDER CONDUCTORS

M

SNAP Meter Socket (detented meter)
- Max Rating_____[Amps]

NOTE: DO NOT BOND NEUTRAL TO GROUND LUG

Renewable Generation Unit
- Manufacturer_____
- Model_____
- Number of Units / Panels_____
- Nominal Rating_____[Watts, Each]
- Total Rating_____[Watts, Total]
- Rated Peak Power Output _____MPH Wind Speed
- Generation Site_____EST. Wind Speed at Location

Inverter
- Manufacturer_____
- Model_____
- L-L Output Voltage _____[VAC]
- Number of Units_____
- Nominal Rating_____[Watts, Each]
- Total Rating_____[Watts, Total]
- UL 1741 Certified?_____[Yes/No]

REVISED 01/17

GVEA
Golden Valley Electric Association
Your Touchstone Energy® Cooperative

Member Name_____

GVEA Project #_____

Date_____

Prepared By_____