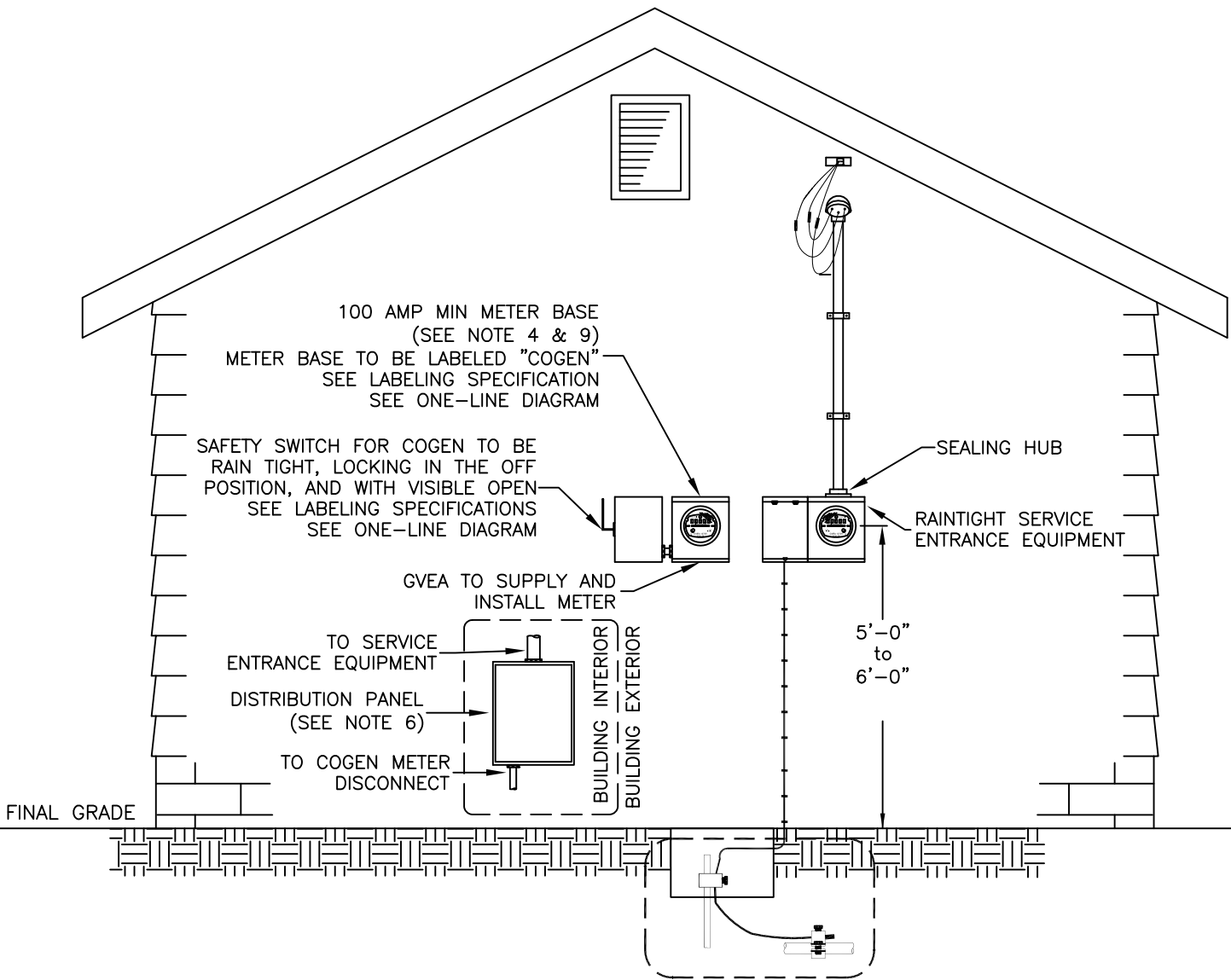


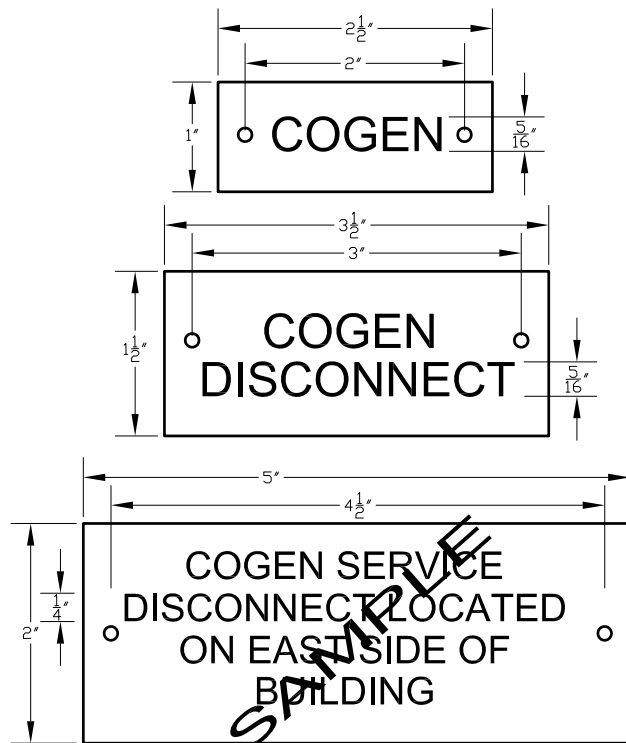
# SNAP PLUS (25 kW or less) Wind Option 1

## COGEN meter equipment to main service equipment distribution panel



# 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:

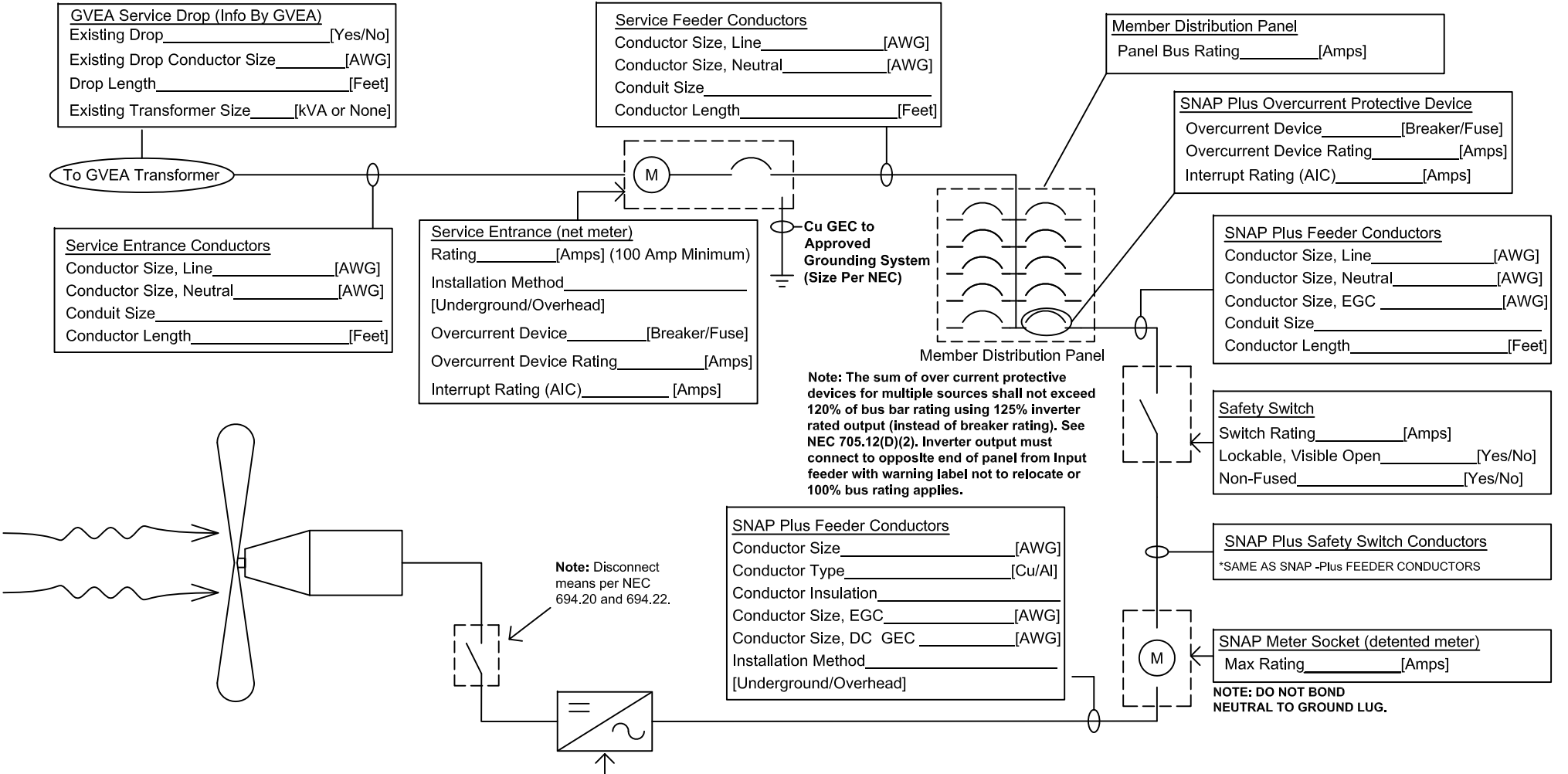
1. All grounding must meet current NEC requirements.
2. Conductors or cables under drivable areas shall be placed in RMC or IMC conduit. Equipment grounding conductor to a distribution panel is required. See NEC 250.32(B).
3. Conductor insulation shall be type XHHW or RHW.
4. Installation of SNAP service 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 multiple 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 1)

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]

Service Feeder Conductors  
 Conductor Size, Line \_\_\_\_\_ [AWG]  
 Conductor Size, Neutral \_\_\_\_\_ [AWG]  
 Conduit Size \_\_\_\_\_  
 Conductor Length \_\_\_\_\_ [Feet]

Member Distribution Panel  
 Panel Bus Rating \_\_\_\_\_ [Amps]

SNAP Plus Overcurrent Protective Device  
 Overcurrent Device \_\_\_\_\_ [Breaker/Fuse]  
 Overcurrent Device Rating \_\_\_\_\_ [Amps]  
 Interrupt Rating (AIC) \_\_\_\_\_ [Amps]

Service Entrance Conductors  
 Conductor Size, Line \_\_\_\_\_ [AWG]  
 Conductor Size, Neutral \_\_\_\_\_ [AWG]  
 Conduit Size \_\_\_\_\_  
 Conductor Length \_\_\_\_\_ [Feet]

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]

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]

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]

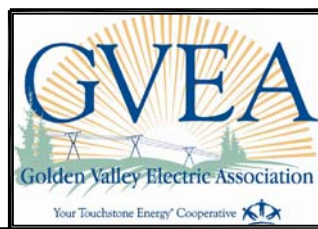
SNAP Plus Safety Switch Conductors  
 \*SAME AS SNAP -Plus FEEDER CONDUCTORS

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]



Member Name \_\_\_\_\_  
 GVEA Project # \_\_\_\_\_  
 Date \_\_\_\_\_  
 Prepared By \_\_\_\_\_

REVISED 01/17