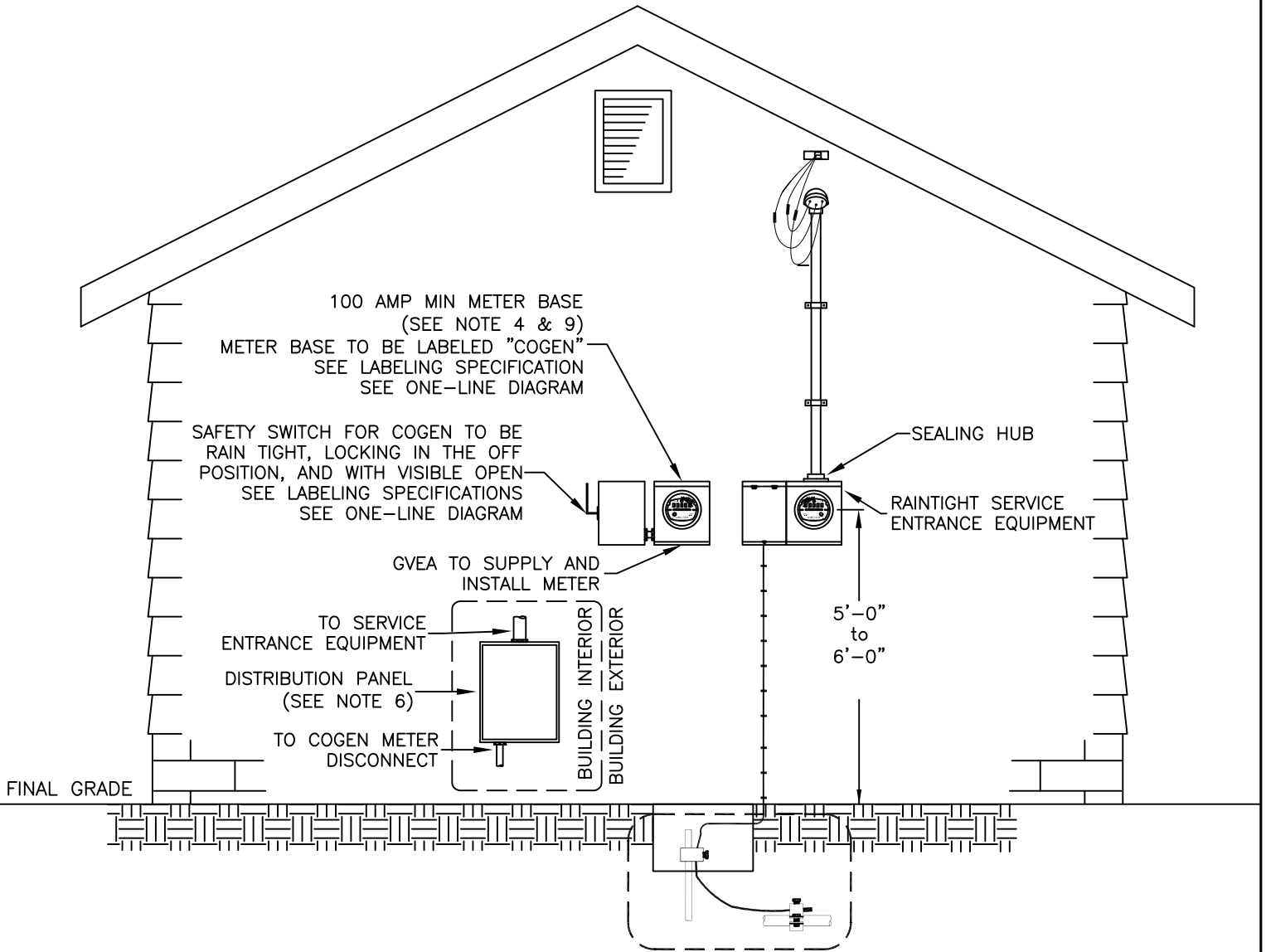


SNAP PLUS (25 kW or less)

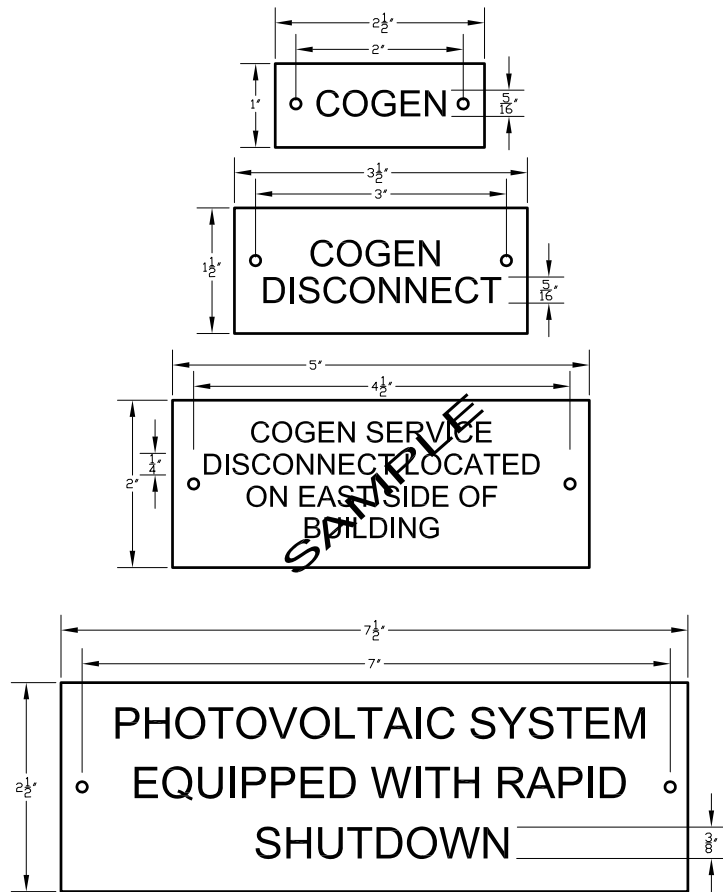
Solar Option 1

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 DISCRPTION MUST BE PROVIDED.

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

LOCATION: IF RAPID SHUTDOWN AND SERVICE ENTRANCE EQUIPMENT MUST BE LOCATED ADJACENT TO EACH OTHER, THEN A PLACARD OF THE LOCATION DISCRPTION MUST BE PROVIDED.

MATERIAL: SHALL BE REFLECTIVE, 1/8" THICK, BEVELED EDGE, RED SURFACE WITH WHITE LETTERING.

LAYOUT: SIGN DIMENSIONS AND LETTER HEIGHTS SHALL BE AS SHOWN OR AS APPROVED IN WRITING BY GVEA. USE 4H FONT OR SIMILAR STYLE. CENTER LETTERING ON PLATE.

NOT ALL LABELING REQUIREMENTS ARE LISTED HERE. ADHERE TO ALL LABELING REQUIREMENTS UNDER NEC ARTICLE 690 AND 705.

NOTES:

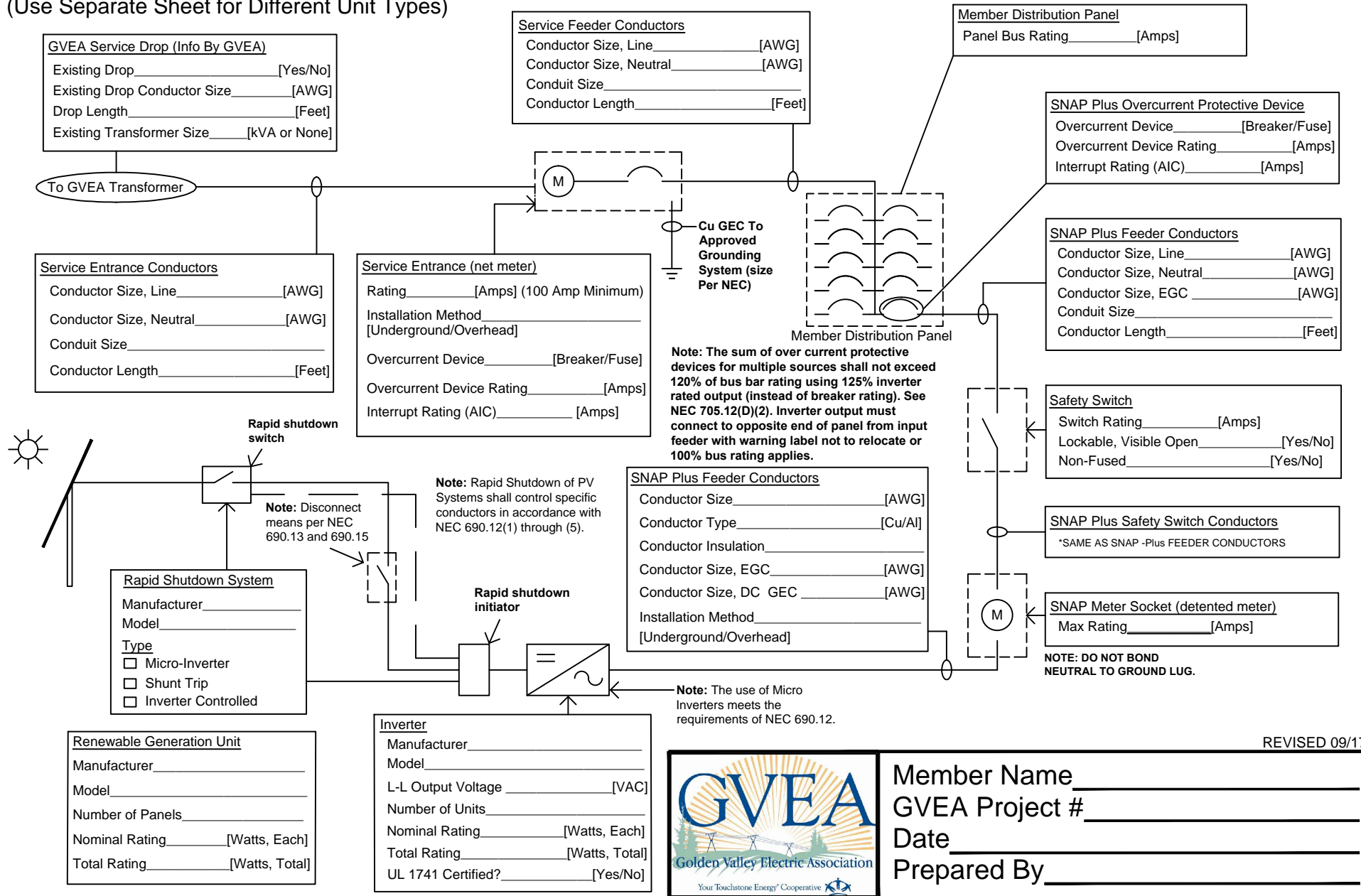
1. All grounding must meet current NEC requirements.
2. Conductors or cables under drivable areas shall be placed in RMC or IMC conduit. Equipment grounding conductor to a distribution panel is required. See NEC 250.32(B).
3. Conductor insulation shall be type XHHW or RHW.
4. Installation of SNAP service equipment shall adhere to all applicable national, state, and local construction and safety codes. Including applicable NEC requirements. Reference NEC Article 690.
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 Photovoltaic Systems must meet Rapid Shutdown requirements NEC 690.12 and 690.56.

SNAP Plus One-Line Solar (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]

Note: The sum of over current protective devices for multiple sources shall not exceed 120% of bus bar rating using 125% inverter rated output (instead of breaker rating). See NEC 705.12(D)(2). Inverter output must connect to opposite end of panel from input feeder with warning label not to relocate or 100% bus rating applies.

Safety Switch

Switch Rating _____ [Amps]
 Lockable, Visible Open _____ [Yes/No]
 Non-Fused _____ [Yes/No]

Rapid Shutdown System

Manufacturer _____
 Model _____
 Type
 Micro-Inverter
 Shunt Trip
 Inverter Controlled

Note: Disconnect means per NEC 690.13 and 690.15

Note: Rapid Shutdown of PV Systems shall control specific conductors in accordance with NEC 690.12(1) through (5).

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.

Note: The use of Micro Inverters meets the requirements of NEC 690.12.

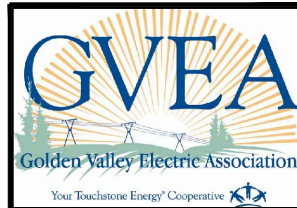
Renewable Generation Unit

Manufacturer _____
 Model _____
 Number of Panels _____
 Nominal Rating _____ [Watts, Each]
 Total Rating _____ [Watts, Total]

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 09/17



Member Name _____
 GVEA Project # _____
 Date _____
 Prepared By _____