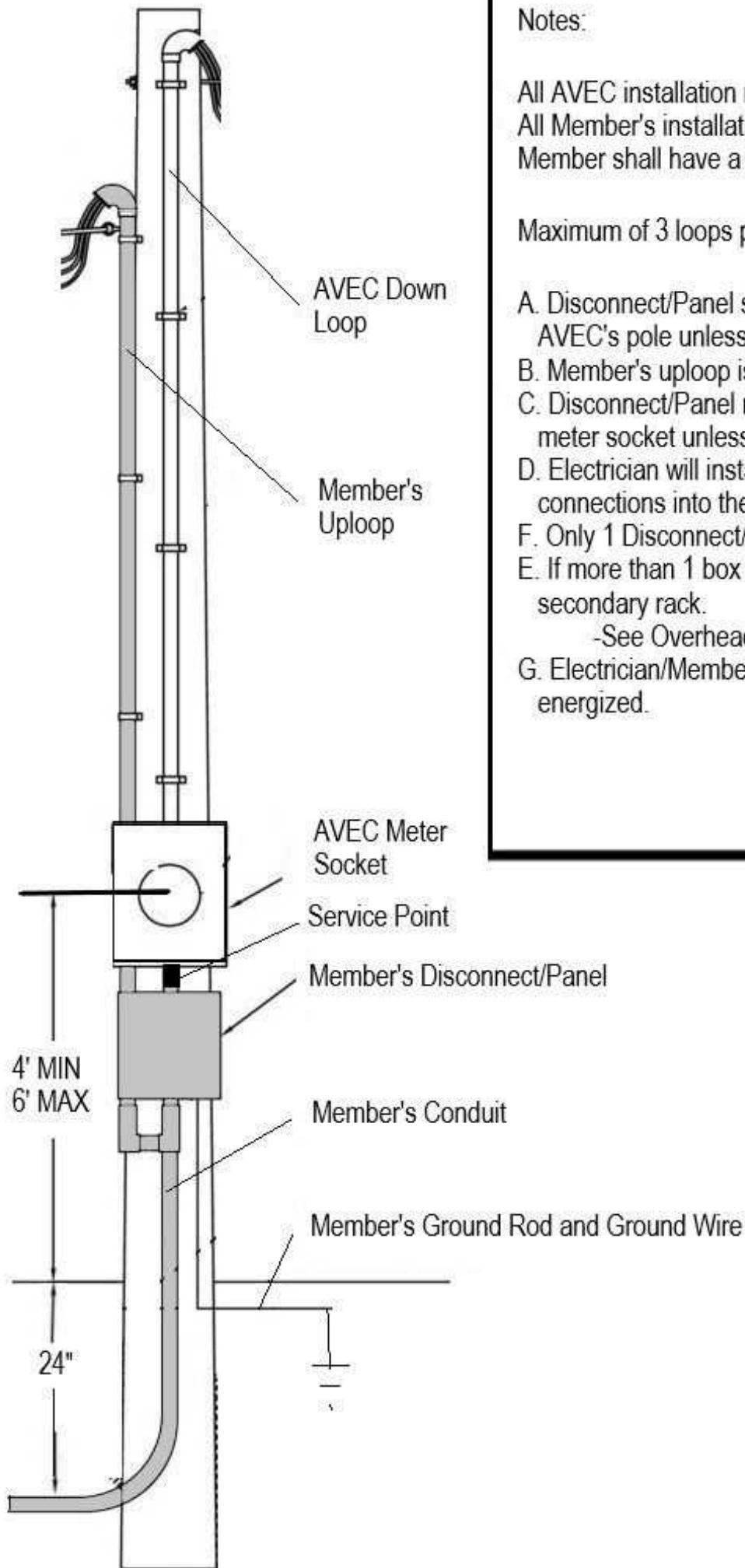


Notes:

All AVEC installation must meet NESC Code.
All Member's installation must meet NEC Code.
Member shall have a qualified person install all equipment.

Maximum of 3 loops per pole.

- A. Disconnect/Panel shall not be over 4' from ground level up AVEC's pole unless approved by AVEC.
- B. Member's uploop is NOT allowed on AVEC Primary poles.
- C. Disconnect/Panel must be installed directly under the meter socket unless rack is used.
- D. Electrician will install the Disconnect/Panel and make necessary connections into the meter socket.
- F. Only 1 Disconnect/Panel may be installed on AVEC's pole.
- E. If more than 1 box is needed, member will need to build a secondary rack.
-See Overhead Service 1ph Secondary rack Spec.
- G. Electrician/Member will need to call and have the service energized.



Ark Valley Electric Coop
AVEC

Overhead Service-
1ph Pole Service

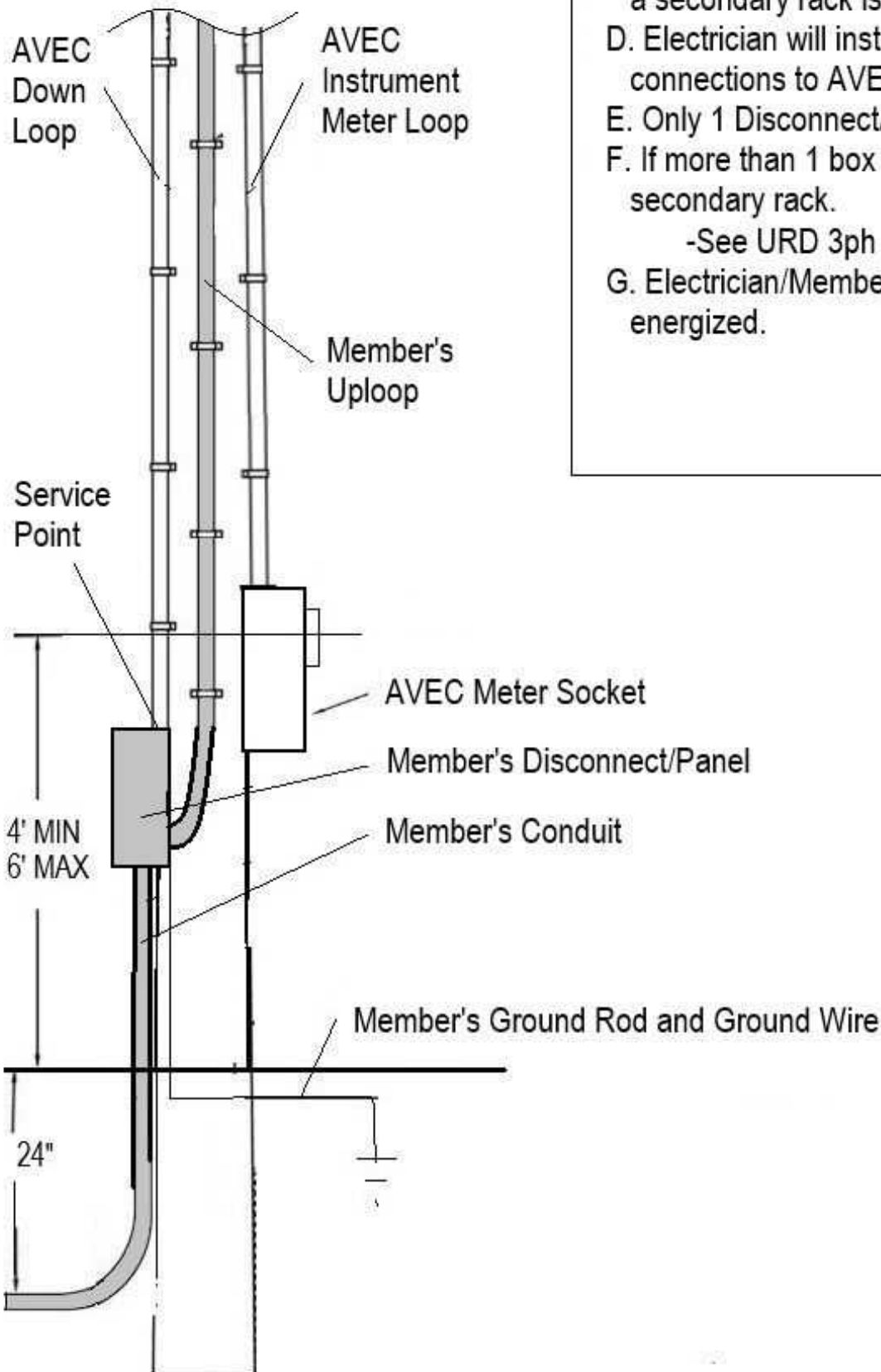
Not to Scale

Notes:

All AVEC installation must meet NESC Code.
All Member's installation must meet NEC Code.
Member shall have a qualified person install all equipment.

Maximum of 3 loops per pole.

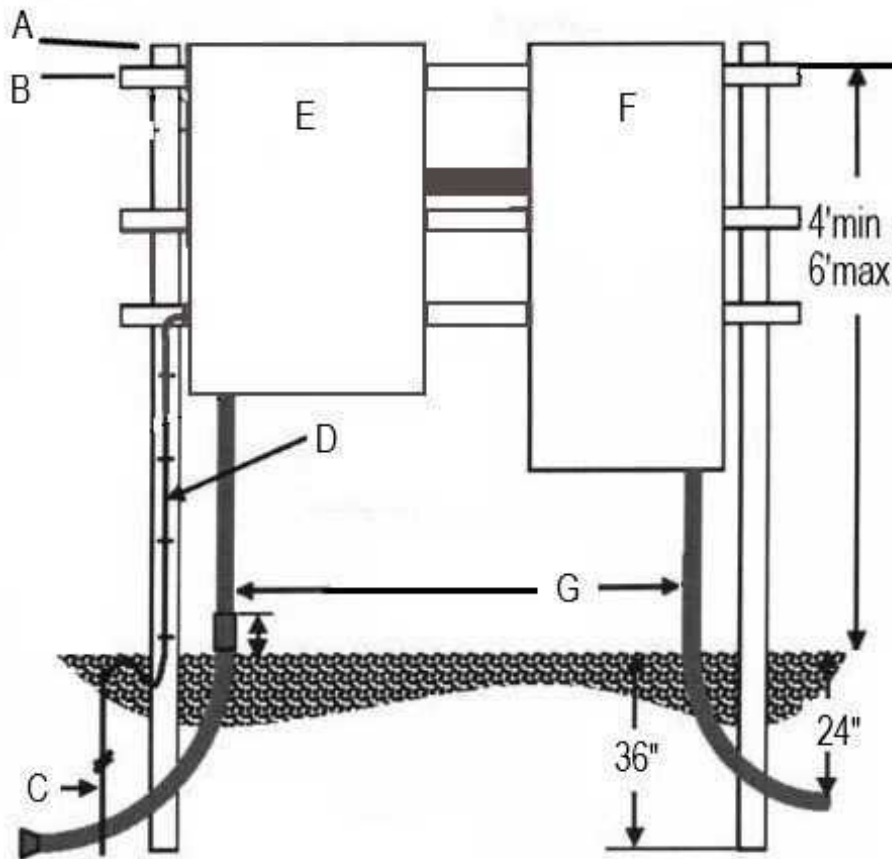
- A. Disconnect/Panel shall not be over 4' from ground level up AVEC's pole unless approved by AVEC.
- B. Member's uploop is NOT allowed on AVEC Primary poles.
- C. Disconnect/Panel must be attached to AVEC downloop unless a secondary rack is used.
- D. Electrician will install the Disconnect/Panel and make the necessary connections to AVEC's down loop.
- E. Only 1 Disconnect/Panel may be installed on Ark Valley's pole.
- F. If more than 1 box is needed, member will need to build a secondary rack.
-See URD 3ph Secondary rack spec.
- G. Electrician/Member will need to call and have the service energized.



Ark Valley Electric Coop
AVEC

Overhead Service-
3ph Pole Service

Not to Scale



All materials, equipment, and conduit connections shall be raintight. Any receptacles must be weatherproof and GFCI.

CALL 48 HOURS BEFORE YOU DIG

- Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

Notes:

All Member's installation must meet NEC Code.
 Member shall have a qualified person install all equipment.
 Rack must be located at least 3' away and within 10' of the meter pole.

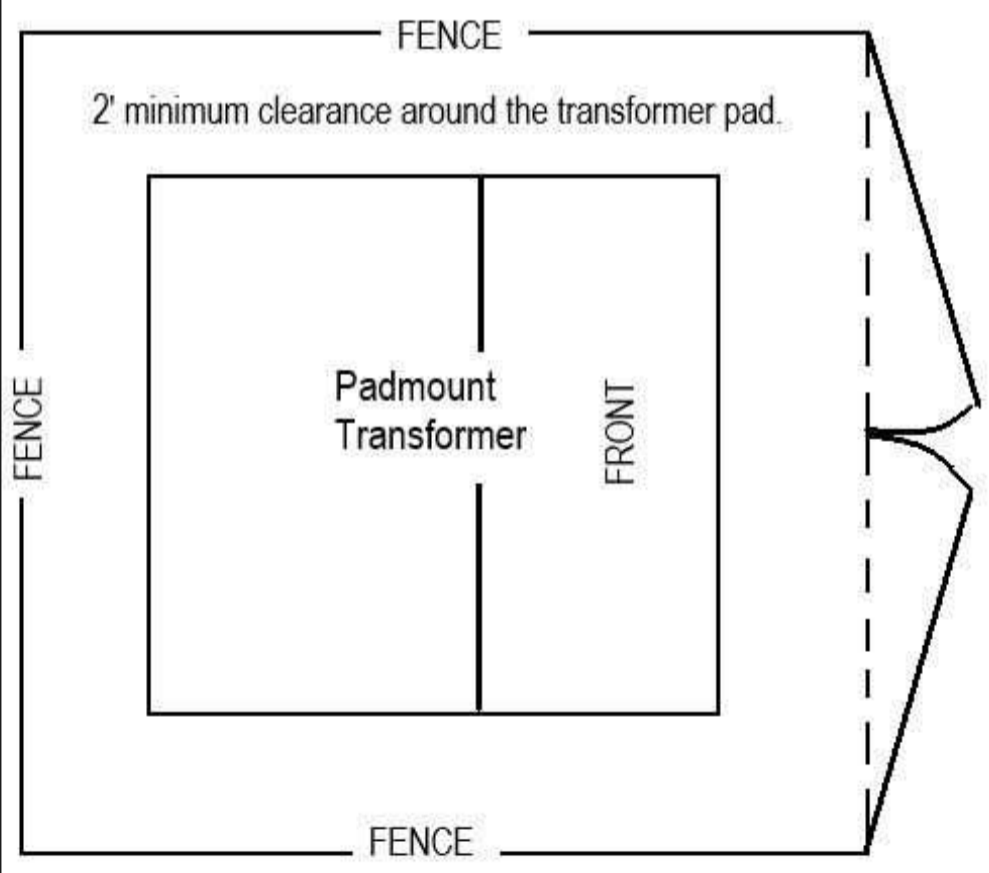
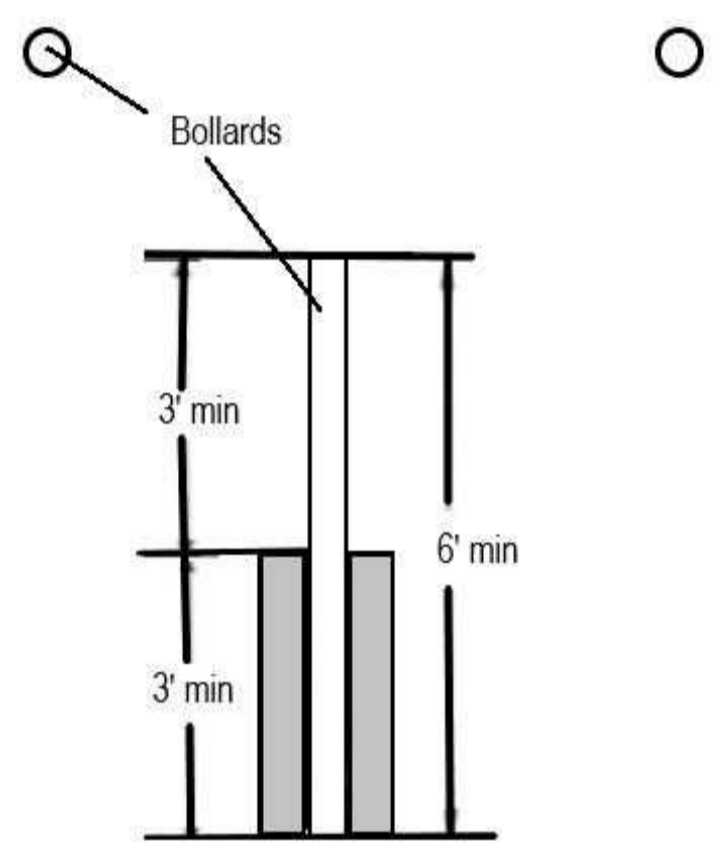
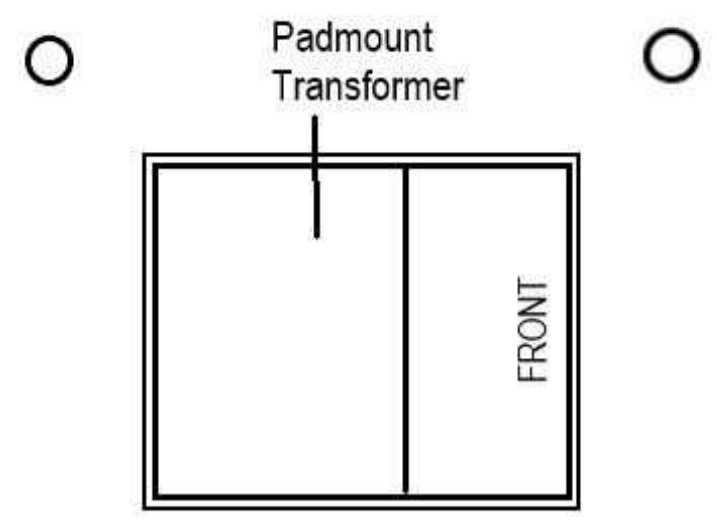
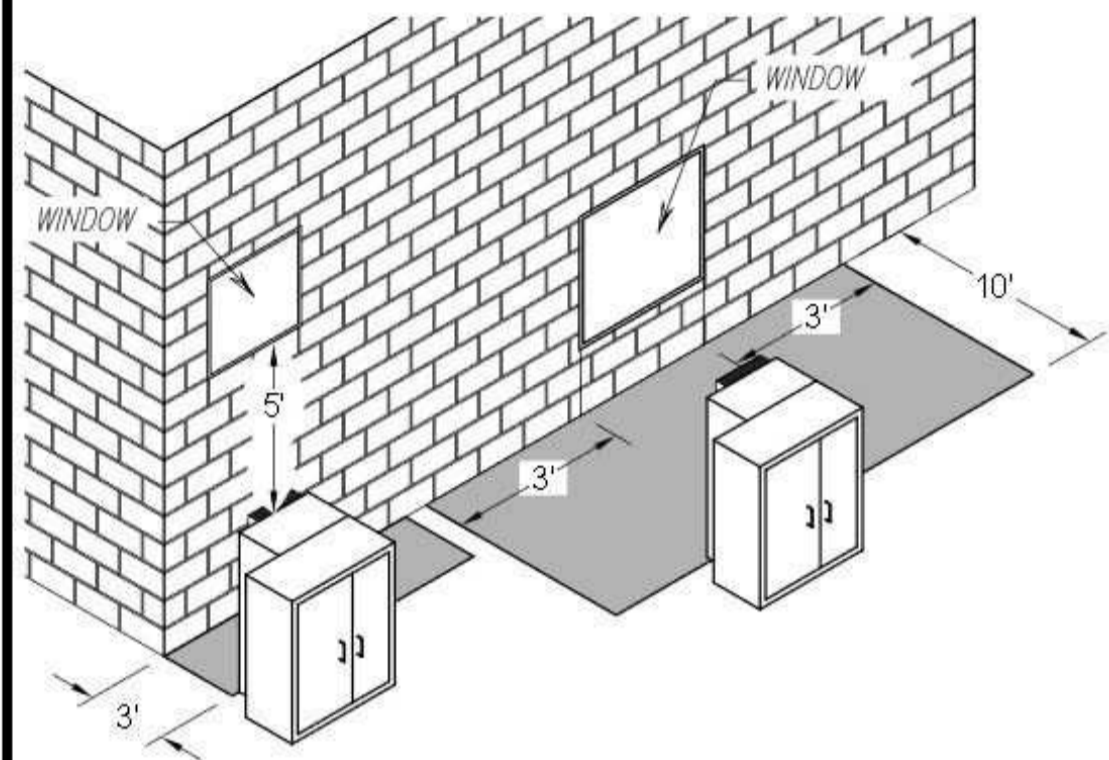
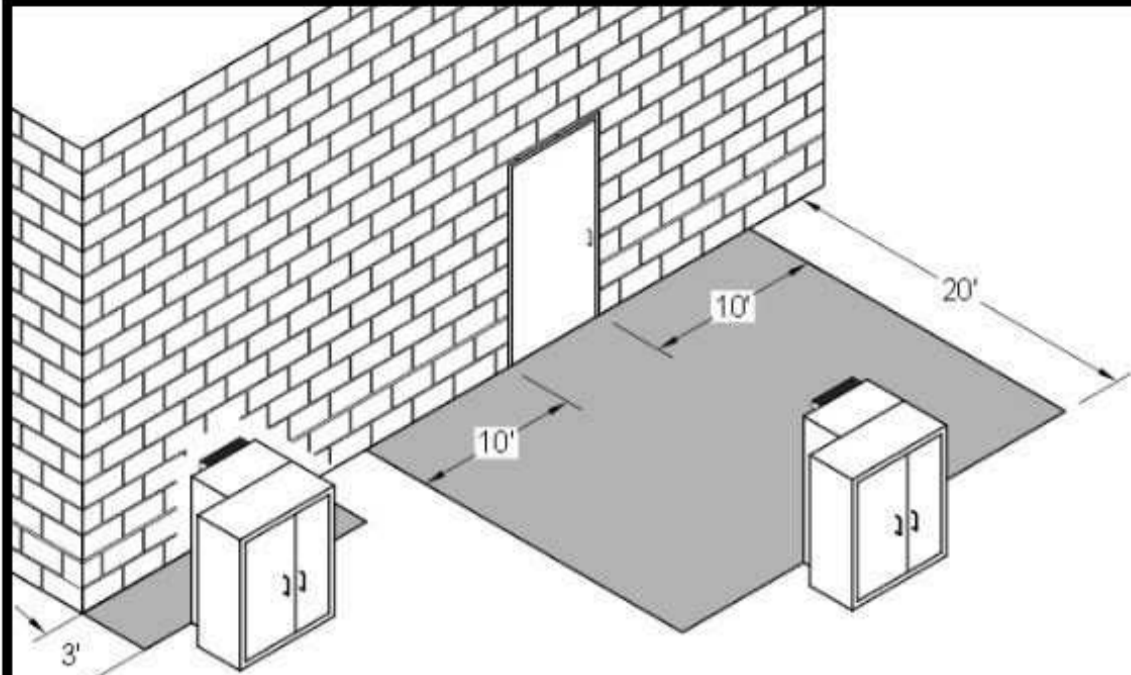
Service point is on the AVEC pole at the bottom of the meter socket

- A. 2" GRC, capped.
- B. 1" Unistrut.
 If the rack is over 6' long you will need to add a center support with the same specs as A.
- C. Member's ground rod.
- D. Member's ground wire.
- E. Member's Auxiliary switch or disconnect.
- F. Member's panel.
- G. Member's Conduit.

**Ark Valley Electric Coop
 AVEC**

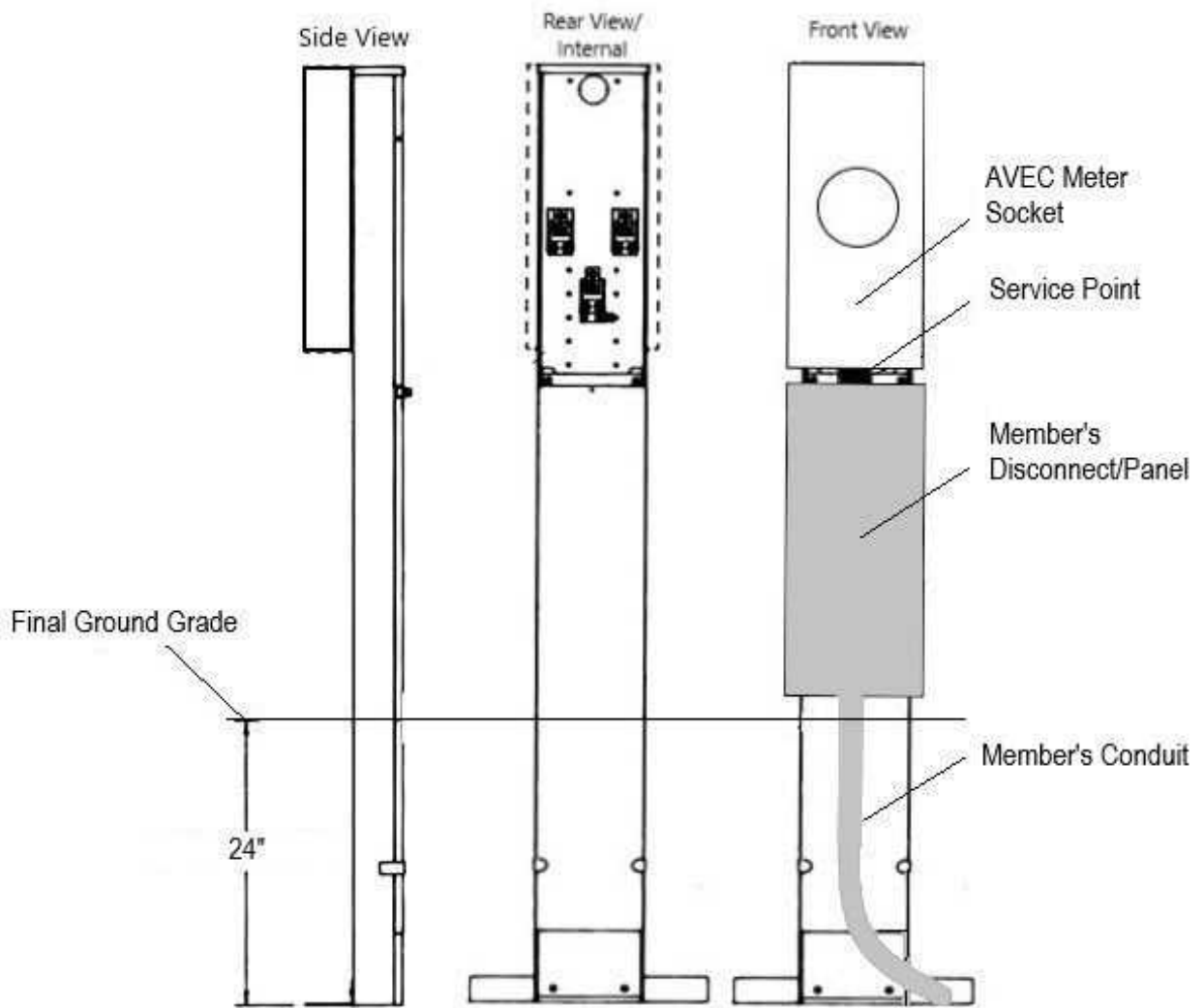
Overhead Service
 1ph Secondary Rack

Not to Scale



Notes:

1. NESC code must be maintained.
2. The front of the transformer must maintain 10' clearance at all times.
3. Fences must be at least 2' away from all sides of the transformer pad, and must have gates on the front side.
4. Gates must be at least 2' wider than the transformer pad on each side.
5. Bollards will be required when the transformer pad is within 4' of a well traveled path or upon AVEC request.
 - A. Place 2' away and 45 degrees off corners of the pad.
 - B. Shall not block the front of the transformer.
 - C. Drill bollard hole at least 3' deep and 10" wide. Backfill with concrete.
 - D. Minimum of 4" pipe diameter 3' above ground level. Fill pipe with concrete.



Notes:

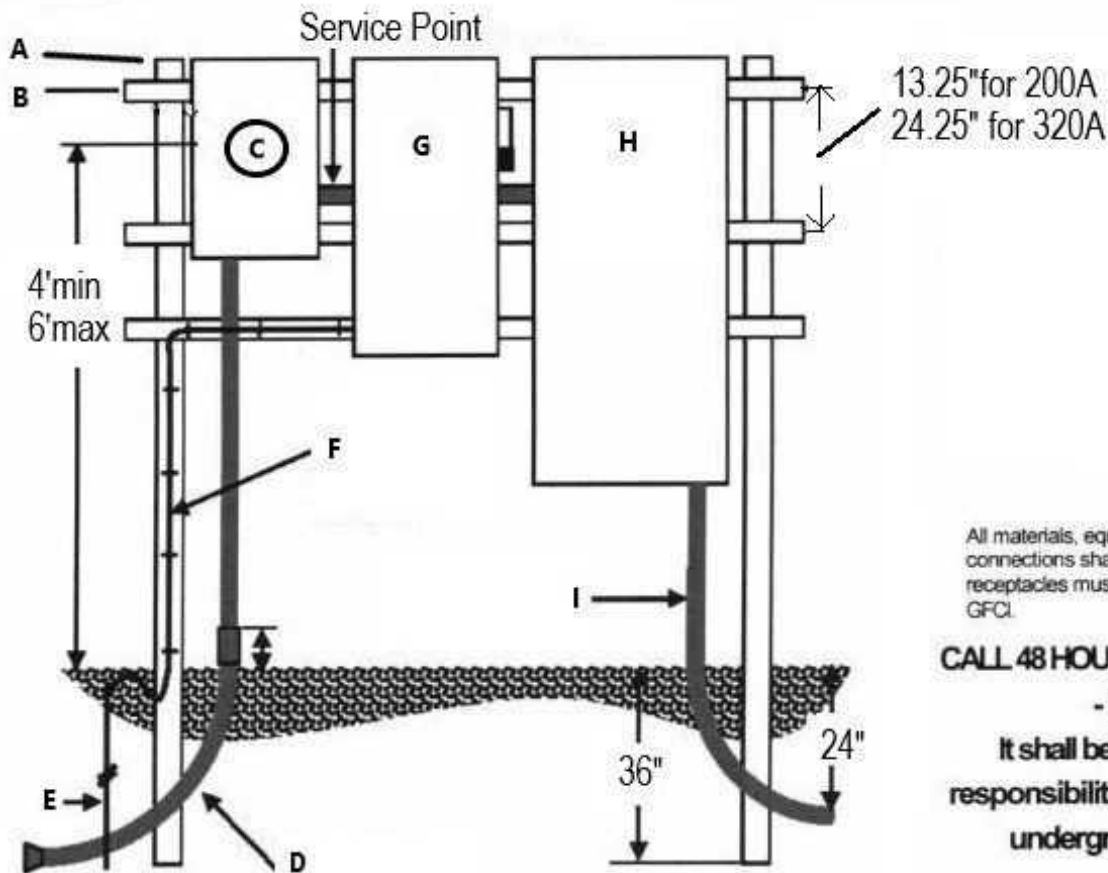
All AVEC installation must meet NESC Code.
 All Member's installation must meet NEC Code.
 Member shall have a qualified person install all equipment.
 Pedestal must be located within 10' of the transformer.

- A. Electrician will make connections into the meter socket.
- B. Electrician/member will need to call and have the service energized.
- C. Disconnect/panel must be installed directly under the meter socket.
- D. Only 1 disconnect/panel may be installed on Ark Valley's pedestal.
- E. If more than 1 box is needed, member will be required to build a secondary rack.

Ark Valley Electric Coop
 AVEC

Underground Service-
 Meter Pedestal
 1ph 200A Service

Not to Scale



All materials, equipment, and conduit connections shall be raintight. Any receptacles must be weatherproof and GFCI.

CALL 48 HOURS BEFORE YOU DIG

- Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

Notes:

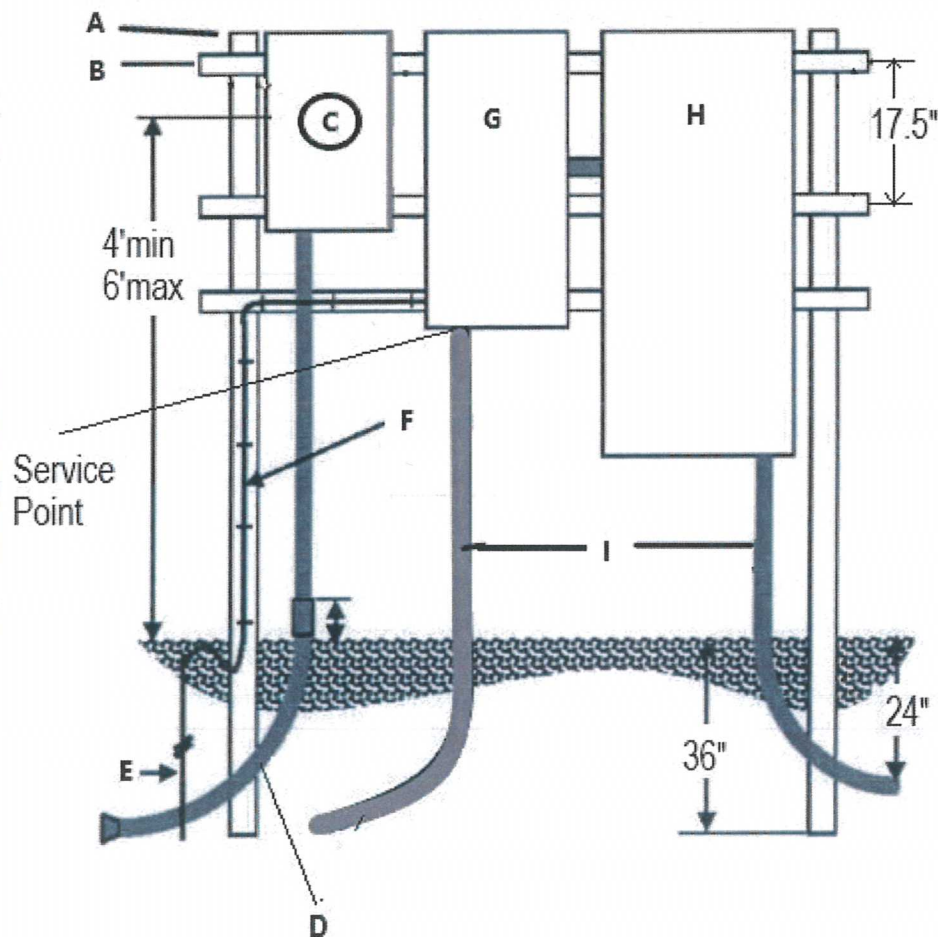
- All AVEC installation must meet NESC Code.
- All Member's installation must meet NEC Code.
- Member shall have a qualified person install all equipment.
- Rack must be located at least 3' away and within 10' of the transformer.
- Member shall provide a 2' deep 4" wide trench from the AVEC Transformer to the secondary rack.

- A. 2" GRC, capped.
- B. 1" Unistrut.
If the rack is over 6' long you will need to add a center support with the same specs as A.
- C. AVEC meter socket.
Member will provide room on the rack for the meter socket.
Member will pick up the metersocket and mount it on the rack.
- D. AVEC owned/installed conduit.
Conduit will contain AVEC secondary cable.
Conduit and cable will be installed by an AVEC sub contractor.
- E. Member's ground rod.
- F. Member's ground wire.
- G. Member's Auxilary switch or disconnect.
- H. Member's panel.
- I. Member's Conduit.

Ark Valley Electric Coop
AVEC

Underground Service-
Secondary Rack
1ph 200A & 320A Service

Not to Scale



All materials, equipment, and conduit connections shall be raintight. Any receptacles must be weatherproof and GFCI.

CALL 48 HOURS BEFORE YOU DIG

- Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

Notes:

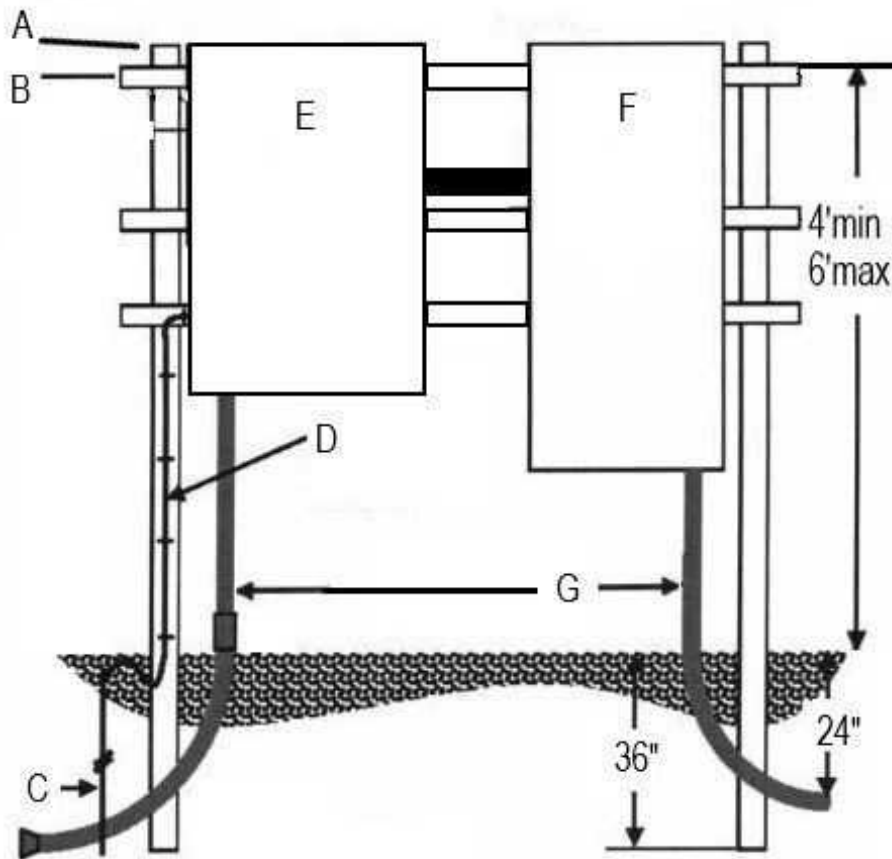
- All AVEC installation must meet NESC Code.
- All Member's installation must meet NEC Code.
- Member shall have a qualified person install all equipment.
- Rack must be located at least 3' away and within 10' of the transformer.
- Member shall provide a 2' deep 4" wide trench from the AVEC Transformer to the secondary rack.

- A. 2" GRC, capped.
- B. 1" Unistrut.
If the rack is over 6' long you will need to add a center support with the same specs as A.
- C. AVEC meter socket.
Member will provide room on the rack for the meter socket.
16" x 22"
AVEC will install the meter socket.
- D. AVEC owned/installed conduit.
Conduit will contain AVEC metering wire.
Conduit and cable will be installed by an AVEC sub contractor.
- E. Member's ground rod.
- F. Member's ground wire.
- G. Member's Auxiliary switch or disconnect.
- H. Member's panel.
- I. Member's Conduit.

Ark Valley Electric Coop
AVEC

Underground Service-
Secondary Rack
1ph Instrument metered

Not to Scale



All materials, equipment, and conduit connections shall be raintight. Any receptacles must be weatherproof and GFCI.

CALL 48 HOURS BEFORE YOU DIG

- Dial 811

It shall be the member's responsibility to stay clear of all underground facilities.

Notes:

All Member's installation must meet NEC Code.

Member shall have a qualified person install all equipment.
Rack must be located at least 3' away and within 10' of transformer.

Member shall provide a 2' deep 4" wide trench from the AVEC Transformer to the secondary rack.

- A. 2" GRC, capped.
- B. 1" Unistrut.
If the rack is over 6' long you will need to add a center support with the same specs as A.
- C. Member's ground rod.
- D. Member's ground wire.
- E. Member's Auxiliary switch or disconnect.
- F. Member's panel.
- G. Member's Conduit.

Ark Valley Electric Coop
AVEC

Underground Service-
Secondary Rack
3ph Service

Not to Scale