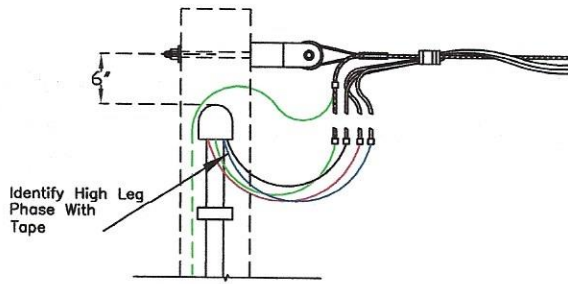


LYNTEGAR ELECTRIC COOPERATIVE, INC.

CHECK LIST FOR SERVICE ENTRANCES

1. Conductor size in service entrances minimum #6 copper
2. Service entrance conductors all the same type (either all copper or all aluminum)
3. Service entrance conduit minimum size 1 ¼" (EMT, Rigid, or Schedule 80 sunlight resistant PVC)
4. Conduit fittings raintight
5. Approved raintight weather head 6" below service drop insulator
6. Minimum of three two-hole conduit straps spaced no more than 36" apart
7. Neutral conductor marked with different color
8. (Single Phase Only) Neutral conductor insulated and same gauge as phase conductors
9. (Three Phase Only) Neutral conductor insulated and no less than one gauge smaller than phase conductors
10. (Single Phase Only) Meter base minimum size 200 amp with bypass handle
11. (Three Phase Only) Meter base minimum size 200 amp, 7 lug, with bypass handle
12. Meter base centered at approximately 5 ½ feet from ground level
13. Overcurrent protection device immediately past the meter base
14. Overcurrent protection raintight, NEMA 3R
15. No exposed wire below the meter base on meter pole (underground must be in place and buried before meter set)
16. All enclosures grounded to pole ground with minimum #6 copper



Two-hole conduit straps Spaced 36" apart

Run High Leg Phase To Right Side Lug In Meter Base

Grounded Neutral Must Be #6 Copper Minimum And Insulated

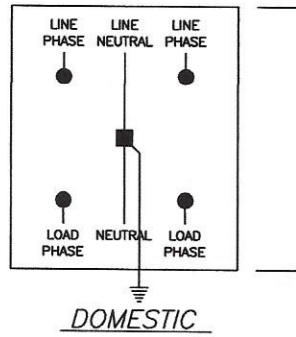
NEMA 3R Disconnect

Conduit

Grade

Bushing

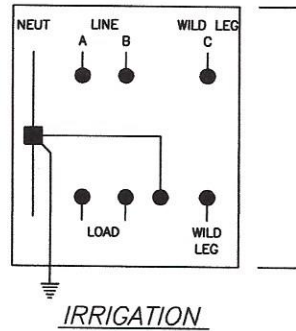
18" Min.



120/240 VOLT, 3 WIRE, SINGLE PHASE

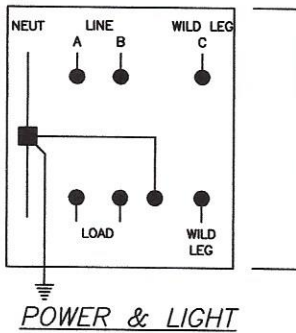
NOTE: 3 WIRE SERVICE, 100 AMP OR 200 AMP PHASE-GROUND-120V PHASE-PHASE-240V

BASE MUST BE EQUIPPED WITH BYPASS



240/480 VOLT, 4 WIRE, 3 PHASE DELTA

NOTE: 4 WIRE SERVICE 200 AMP
A PHASE-GROUND 240 V
B PHASE-GROUND 240 V
C PHASE-GROUND 416 V
PHASE-PHASE 480 V
BASE MUST BE 7 TERMINAL WITH BYPASS



120/240 VOLT, 4 WIRE, 3 PHASE DELTA

NOTE: 4 WIRE SERVICE 200 AMP
A PHASE-GROUND 120 V
B PHASE-GROUND 120 V
C PHASE-GROUND 208 V
PHASE-PHASE 240 V
BASE MUST BE 7 TERMINAL WITH BYPASS

WIRE SIZE TABLE

METER BASE SIZE	100	125	200
MINIMUM WIRE SIZE (COPPER AWG)	4	4	2
MINIMUM WIRE SIZE (ALUMINUM AWG)	2	2	1/0

GUIDE TO METERING INSTALLATION

DEC. 2010

M8-13