KARNES ELECTRIC COOPERATIVE, INC.

200 AMPERE 120/240 VOLT DISTRIBUTED GENERATION (25 KVA OR LESS)

DATE: 08-01-16

KARNES CITY OFFICE (830)780-3952

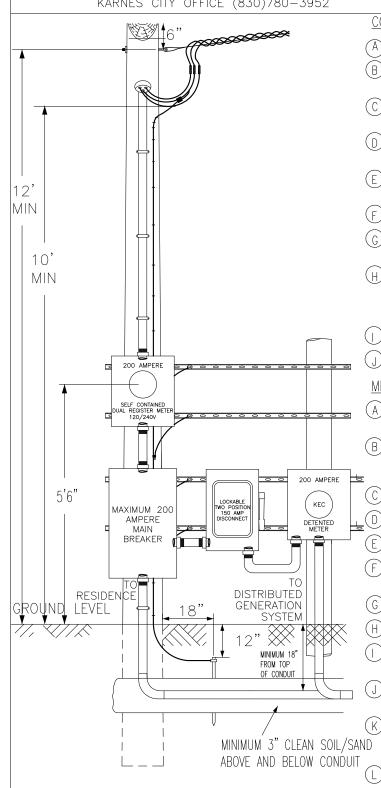
PLEASANTON OFFICE (830)569-5538

COOPERATIVE FURNISHED, OWNED AND INSTALLED

- MINIMUM 25 FT. METER POLE PROVIDED BY KEC SET 5 FT. DEEP
- SERVICE ATTACHMENT PROVIDED BY KEC MINIMUM HEIGHT OF ATTACHMENT 12'-0"
- (C) MINIMUM 2"EMT, GALVANIZED, RIGID ALUMINUM OR SCHEDULE 40 ELECTRICAL GRADE PVC
- (D) STRAPS MUST MATCH CONDUIT SIZE MAXIMUM STRAP SEPARATION SHALL BE 30"
- (E) MINIMUM GROUND ROD SIZE SHALL BE 5%" x 8' COPPER OR GALVANIZED WITH SUITABLE CLAMP
- (F) STAPLES SHOULD BE A MAXIMUM OF 8" APART
- (G) WEATHERHEAD MUST BE WITHIN 24" OF ATTACHMENT POINT NEC-230-51
- #3/0 COPPER MINIMUM, 75°C RATED INSULATION. NEUTRAL MUST BE STRIPPED BACK 2" OR MARKED WITH WHITE TAPE GROUND WIRE SHALL HAVE MINIMUM 2' SLACK FROM POLE AND HAVE NO SHARP BENDS
- (I) WEATHERPROOF HUB
- (J) 3' SLACK IN DRIP LOOP

MEMBER FURNISHED, OWNED AND INSTALLED

- (A) MINIMUM GROUND WIRE SIZE #4 COPPER COILED TO TIE TO MEMBERS DISCONNECT
- (B) NEMA 3R OR BETTER WITH SUITABLE BRACKET OR TREATED WOOD BRACE AND MAXIMUM 150 AMPERE LOCKABLE DISCONNECT PROVIDED BY MEMBER
- (C) ALL CONDUIT NIPPLES SHALL BE METAL
- (D) BELLED BUSHING WIRE PROTECTOR IN ALL CONDUIT OPENINGS
- (E) MEMBER MUST GO UNDERGROUND FROM METER BASE
- BOTTOM OF DISCONNECT SHALL BE 18" MINIMUM HEIGHT ABOVE GRADE
- (G) LONG SWEEP ELBOW SUPPLIED BY MEMBER IF REQUIRED
- (H) GALVAVANIZED METAL CHANNEL BONDED TO POLE GROUND
- MINIMUM #6 AWG COPPER WITH SUITABLE CONNECTORS FOR EQUIPMENT BONDING JUMPERS
- (J) MINIMUM HEAVY TREATED 4" x 4" WOOD POST OR 3" RIGID GALVANIZED METAL PIPE
- K GENERATOR MAST SHALL BE GROUNDED WITH A MINIMUM #6 AWG
- (L) BREAKER TO CO-GENERATION SHALL BE RATED FOR BACK FLOW OR FUSED MAY NOT BE MARKED LINE/LOAD
- (M) SYSTEMS WITH BATTERIES REQUIRE ENGINEERING REVIEW



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PLEASANTON OFFICE (830)569-5538 KARNES CITY OFFICE (830)780-3952 ALTERNATE SERVICE ENTRANCE GROUNDING POINT 200 AMPERE DUAL REGISTER METER 200 AMPERE DETENTED METER 200 AMPERE LOCKABLE MAIN 150 AMPERE DISCONNECT 100 AMPERE BREAKER TO DISTRIBUTED TO RESIDENCE **GENERATION**