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

A. MINIMUM 25 FT. METER POLE PROVIDED BY KEC SET 5 FT. DEEP
B. 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 3/8" 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
H. #3/0 COPPER MINIMUM, 75°C RATED INSULATION. NEUTRAL MUST BE STRIPED 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. BELLLED BUSHING WIRE PROTECTOR IN ALL CONDUIT OPENINGS
E. MEMBER MUST GO UNDERGROUND FROM METER BASE
F. BOTTOM OF DISCONNECT SHALL BE 18" MINIMUM HEIGHT ABOVE GRADE
G. LONG SWEET ELBOW SUPPLIED BY MEMBER IF REQUIRED
H. GALVANIZED METAL CHANNEL BONDED TO POLE GROUND
I. 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 4" HEAVY TREATED WOOD POST OR 3" RIGID GALVANIZED METAL PIPE
L. CLOTH TO CO-GENERATION SHALL BE RATED FOR BACK FLOW OR FUSED MAY NOT BE MARKED LINE/LOAD
M. SYSTEMS WITH BATTERIES REQUIRE ENGINEERING REVIEW