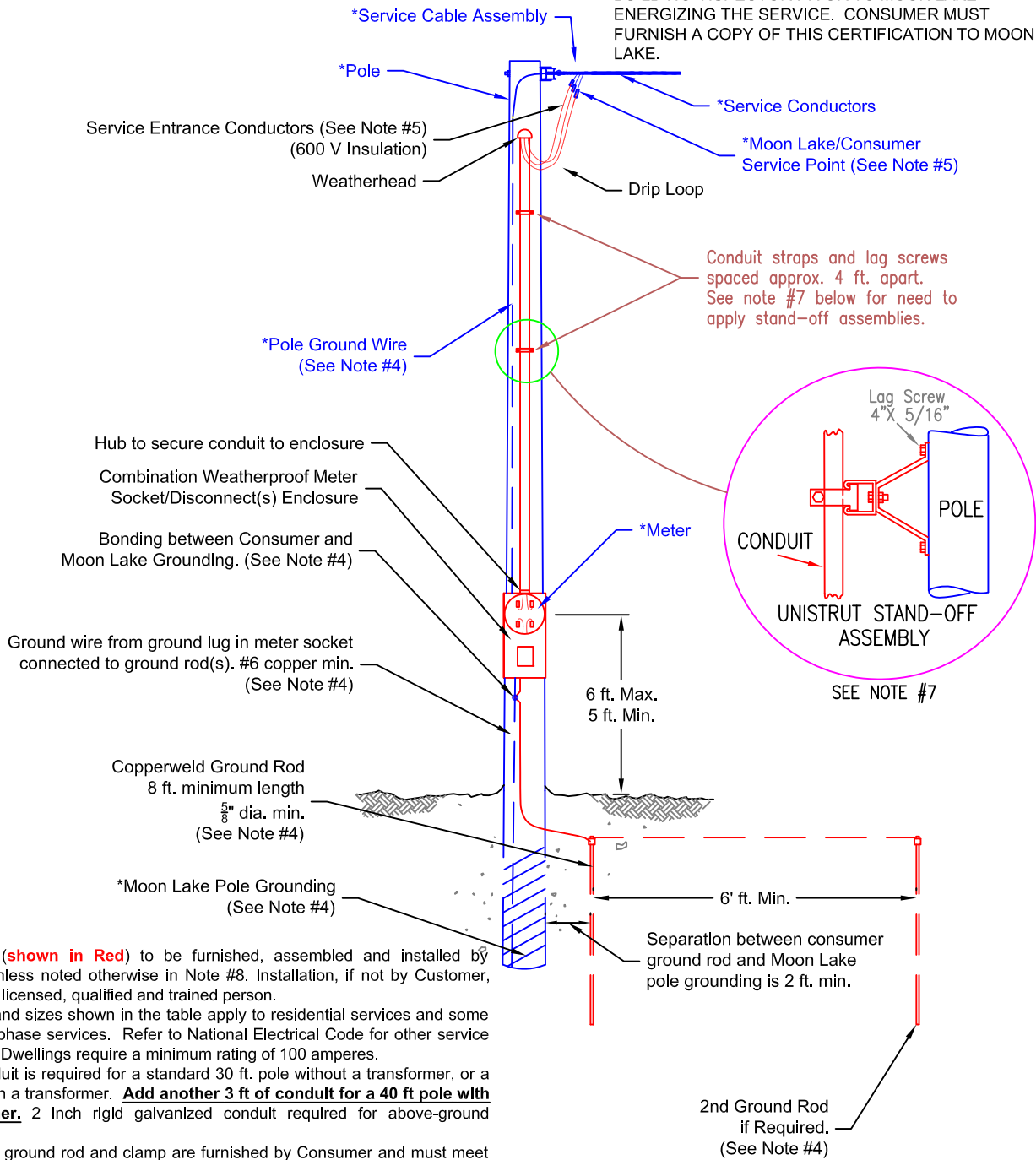


# POLE-MOUNTED SERVICE INSTALLATION


A CERTIFICATION THAT CONSUMER WIRING AND EQUIPMENT CONFORMS TO ALL APPLICABLE CODES WILL BE REQUIRED FROM THE CITY OR COUNTY BUILDING INSPECTOR PRIOR TO MOON LAKE ENERGIZING THE SERVICE. CONSUMER MUST FURNISH A COPY OF THIS CERTIFICATION TO MOON LAKE.



**Notes:**

1. All facilities (shown in Red) to be furnished, assembled and installed by Consumer unless noted otherwise in Note #8. Installation, if not by Customer, shall be by a licensed, qualified and trained person.
2. The ratings and sizes shown in the table apply to residential services and some small single-phase services. Refer to National Electrical Code for other service applications. Dwellings require a minimum rating of 100 amperes.
3. 15 ft. of conduit is required for a standard 30 ft. pole without a transformer, or a 35 ft pole with a transformer. **Add another 3 ft of conduit for a 40 ft pole with a transformer.** 2 inch rigid galvanized conduit required for above-ground applications.
4. Ground wire, ground rod and clamp are furnished by Consumer and must meet or exceed the requirements of the National Electrical Code Article 250. Moon Lake will install separate pole ground. The Consumer's ground must be bonded to Moon Lake's pole ground.
5. Consumer furnishes service entrance conductors from disconnect(s) to the Moon Lake/customer service point. Service entrance conductors must extend at least 24 inches beyond weatherhead at least 7 ft.
6. Service Entrance conductors and branch circuit conductors cannot be installed in the same conduit. In this case, separate conduits are required, and the service installation must be on stand-off assemblies.
7. Stand-Off Assembly: Service installation with conduit larger than 2 inches, or secondary service installation on pole, or service installation on a pole with a transformer must be installed on stand-off assemblies. Two assemblies are required above the meter socket/disconnect(s) enclosure and two assemblies are required for the enclosure. First assembly above the meter socket enclosure 8 ft. above enclosure. Second assembly 13 ft. above enclosure. With 18 ft of conduit, a third assembly is required at 17 ft. above the enclosure.
8. Items marked with "\*" (and in Blue) Denotes equipment furnished by Moon Lake.

SERVICE EQUIPMENT	MINIMUM CONDUCTOR SIZE		MINIMUM CONDUIT SIZE
	Alumimum	Copper	Rigid Only
Ratings in Amperes			
60	4 AWG	6 AWG	2"
100	2 AWG	4 AWG	2"
200	4/0 AWG	2/0 AWG	2"

REV. DESCRIPTION		 <b>MOON LAKE ELECTRIC ASSOC., INC.</b> Roosevelt, Utah 84066		DRAWING #		
0	ISSUED FOR USE.				SERVICE INSTALLATION POLE MOUNTED	
DRN. BY -	P.CORUN.	DATE -	04/21/2016	SCALE -	N.T.S.	MTRLOOP
CHKD -		APPRD -	P.CORUN.			