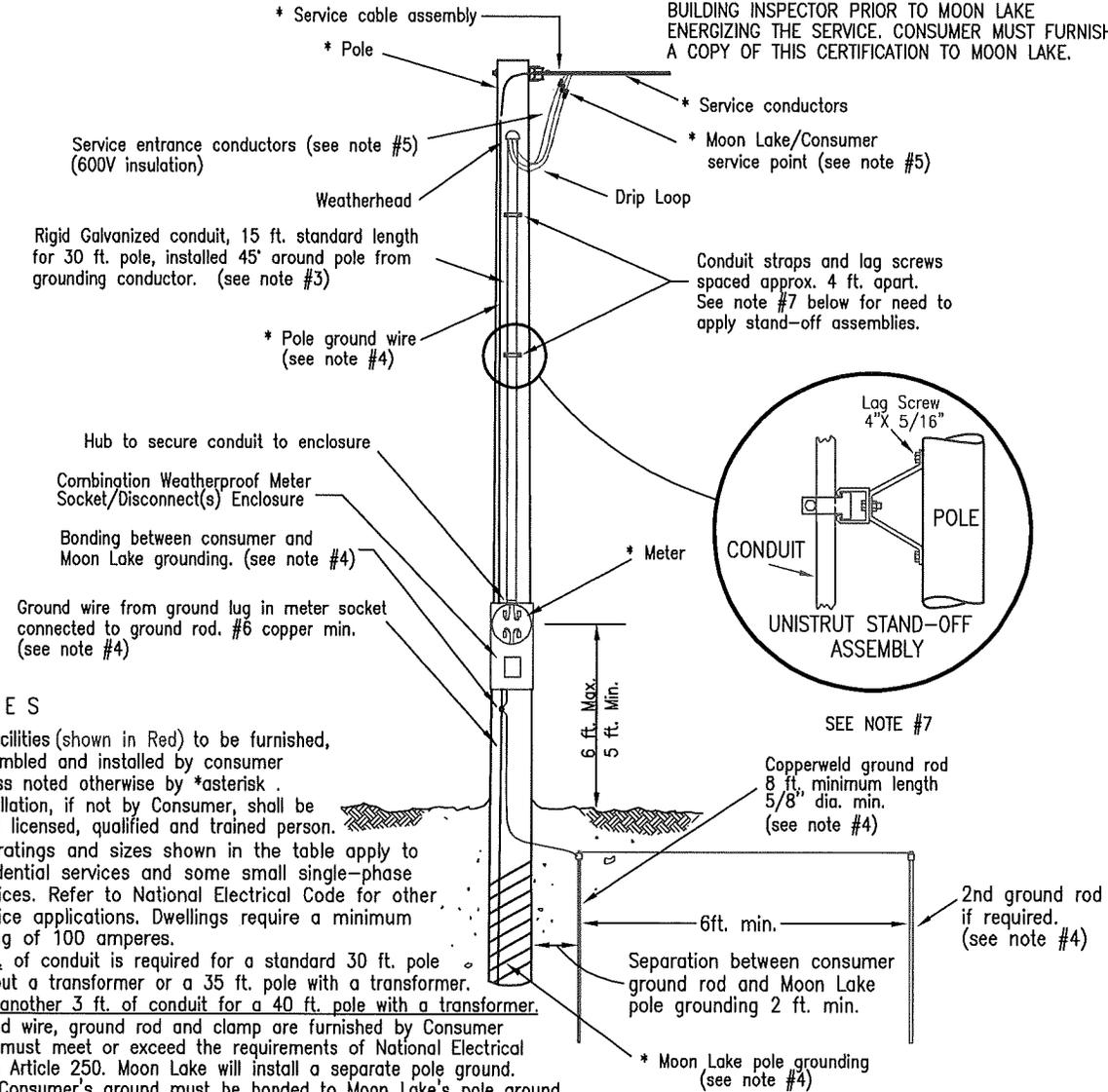


# POLE-MOUNTED SERVICE INSTALLATION

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

- All facilities (shown in Red) to be furnished, assembled and installed by consumer unless noted otherwise by \*asterisk. Installation, if not by Consumer, shall be by a licensed, qualified and trained person.
- 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.
- 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.
- Ground wire, ground rod and clamp are furnished by Consumer and must meet or exceed the requirements of National Electrical Code Article 250. Moon Lake will install a separate pole ground. The Consumer's ground must be bonded to Moon Lake's pole ground.
- 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. Service installation on a pole with a transformer will require service entrance conductors to extend beyond the weatherhead at least 7 ft.
- Service entrance conductors and branch circuit conductors cannot be installed in same conduit. In this case, separate conduits are required, and the service installation must be on stand-off assemblies.
- Stand-off assembly: Service installation with conduit larger than 2-inch diameter, or second 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 meter socket enclosure 8 ft. above enclosure. Second assembly 13 ft. above enclosure. With 18 ft. of conduit a third assembly is required 17 ft. above the enclosure.
- \* Denotes equipment furnished by Moon Lake.

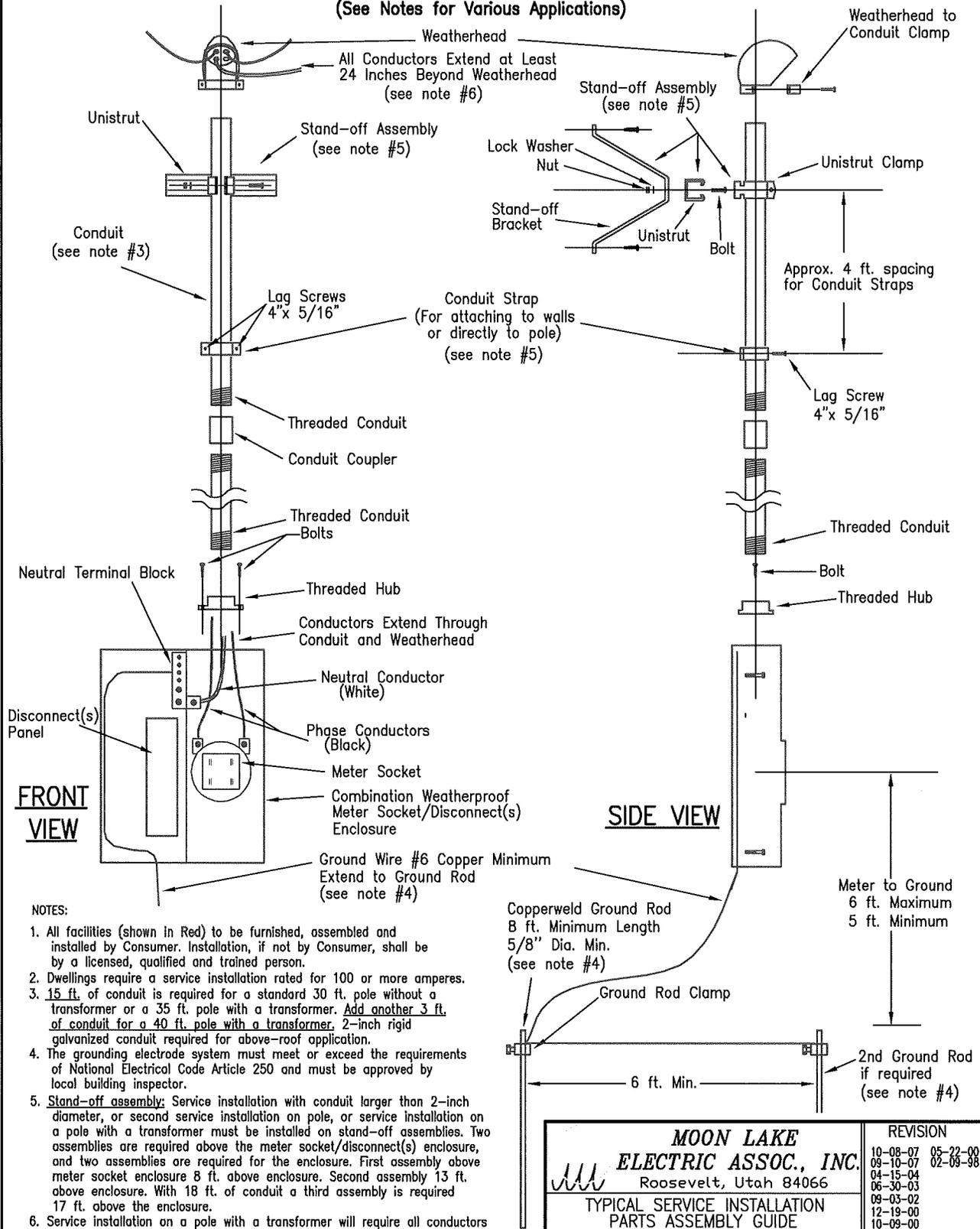
SERVICE EQUIPMENT Rating in Amperes	MINIMUM CONDUCTOR SIZE		MINIMUM CONDUIT SIZE
	Aluminum	Copper	
60	4	6	1-1/4"
100	2	4	1-1/2"
150	2/0	1/0	1-1/2"
200	4/0	2/0	2"

(see note #2)

<b>MOON LAKE ELECTRIC ASSOC., INC.</b> Roosevelt, Utah 84066		REVISION 10-08-07 05-22-00 09-10-07 02-09-98 01-16-07 04-13-04 09-03-02 06-14-01 12-19-00 10-09-00
POLE-MOUNTED SERVICE INSTALLATION		
DRN BY - Bob S.	DATE - 3/20/90	SCALE - None
CHKD - RJM	APPRV - KAW	FILE NO. MTRLOOP

# TYPICAL SERVICE INSTALLATION PARTS ASSEMBLY GUIDE

(See Notes for Various Applications)



**NOTES:**

1. All facilities (shown in Red) to be furnished, assembled and installed by Consumer. Installation, if not by Consumer, shall be by a licensed, qualified and trained person.
2. Dwellings require a service installation rated for 100 or more 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-roof application.
4. The grounding electrode system must meet or exceed the requirements of National Electrical Code Article 250 and must be approved by local building inspector.
5. Stand-off assembly: Service installation with conduit larger than 2-inch diameter, or second 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 meter socket enclosure 8 ft. above enclosure. Second assembly 13 ft. above enclosure. With 18 ft. of conduit a third assembly is required 17 ft. above the enclosure.
6. Service installation on a pole with a transformer will require all conductors to extend beyond the weatherhead at least 7 ft.

<p><b>MOON LAKE ELECTRIC ASSOC., INC.</b> Roosevelt, Utah 84066</p>		<p>REVISION</p>	
		10-08-07 05-22-00	09-10-07 02-09-98
<p>TYPICAL SERVICE INSTALLATION PARTS ASSEMBLY GUIDE</p>		04-15-04	06-30-03
<p>DRN BY - Bob S. DATE 11-09-94 SCALE None</p>		09-03-02	12-19-00
<p>CHKD - RJM APPVD. - KAW</p>		10-09-00	
		<p>FILE NO. TYPICALPARTS</p>	