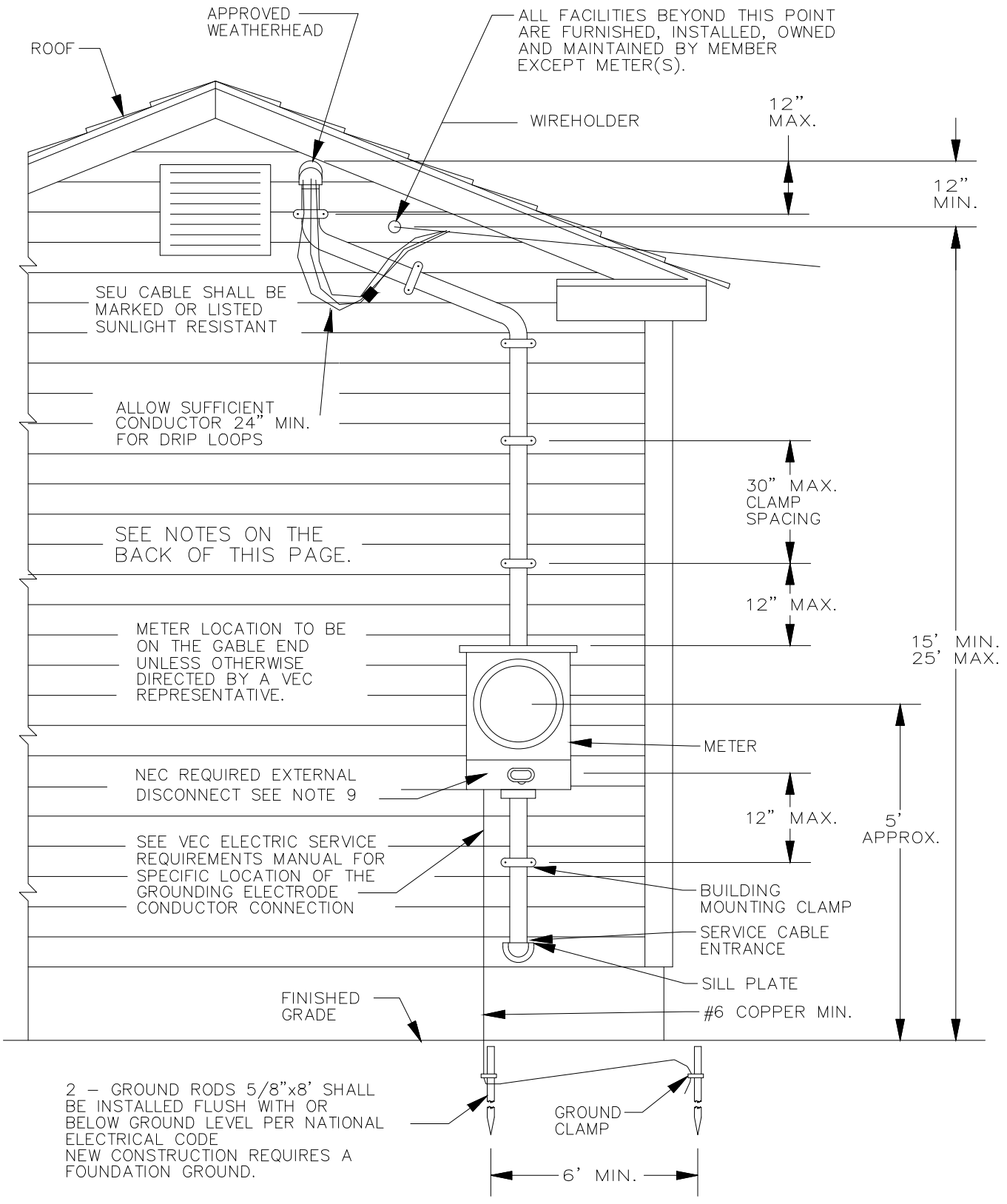
OVERHEAD SERVICE



REV	DATE	REVISION DESCRIPTION	DRN	CKD

VERMONT ELECTRIC COOPERATIVE INC.

JOHNSON, VT

OVERHEAD SERVICE

DES:	DRN: CB
CKD:	SCALE: NONE
DATE: 07/10/2017	

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REV 1

OVERHEAD SERVICE

Notes:

1. All wiring and materials shall conform to the requirements of the National Electric Code (NEC) and to any applicable local codes. Where conflict exists the more stringent code will apply. For customer owned equipment, any requirements in excess of code specified minimums, are recommended not required.
2. The point of attachment of the service drop and the location of the meter socket will be designated by the utility representative. Any relocation shall be approved by a VEC representative.
3. On low buildings, without the minimum 15 ft clearance, a mast installation shall be required (refer to mast installation drawing).
4. The service drop will not be allowed to be attached on or under the eaves.
5. In areas subject to truck traffic, the clearance required to the service drop, is a minimum of 16 ft, under the ice loading conditions described in the National Electric Safety Code (NESC). If the overhead service is owned by the customer, rather than the utility, the clearance required is a minimum of 18 ft under the conditions described in the NEC (no loading at 60E F). In areas only subject to pedestrian traffic, the clearance required to the service drop, is a minimum of 12 ft, under the ice loading conditions described in the NESC.
6. All meter sockets on services requiring large capacity (greater than 200amps) shall have a manual bypass with a locking jaw device. The meter socket shall have a separate grounding electrode conductor connector. The connector shall be appropriately connected to the service neutral bus. The grounding electrode connection shall normally be made in the meter socket. The service neutral, and not the grounding electrode conductor, shall extend from the meter socket to the main disconnect.
7. The grounding electrode conductor, to a driven ground, shall be a minimum of #6 copper. The conductor shall be adequately protected. The driven rods shown shall be a minimum of 5/8" in diameter and 8' long.
8. All gas valves shall be a minimum of 10 ft from electric meter equipment. For clearances less than 10 ft see Dwg. 401 and NFPA 58.
9. The Service Disconnecting Means shall be installed at a readily accessible location, either outside of a building or structure, or, inside a building or structure nearest the point of entrance of the service conductors, not to exceed 10 feet of conductor length, from the point of entrance. For one and two family dwelling units per the NEC section 230.85 this service disconnect must be located in a readily accessible outdoor location and be marked per the NEC requirements.
10. The service drop cable and its drip loop shall have a clearance of 3 ft from any accessible opening such as to the side of an openable window, to the top of a doorway to a balcony, or to the side of a fire escape. No clearance is required directly above a window. If the opening is used for access for people or materials, then service cables shall not be placed below the opening. See NEC Article 230.9.
11. All services, unless the exceptions of Notes 12 or 13 apply, shall have a clearance of 10 ft, from the roof. That clearance is required above the roof and 3 ft beyond the edge of the roof. The service drop may attach to the side of the building.
12. For roofs easily accessible to pedestrian or vehicular traffic, clearances are those required above ground surfaces. See Note 5.
13. For inaccessible roofs with a slope of 4 on 12, or steeper, and voltages less than 300 volts between conductors, the clearance to the roof may be reduced to 3 ft. A roof is considered accessible if it can be accessed by a window or permanently mounted ladder.