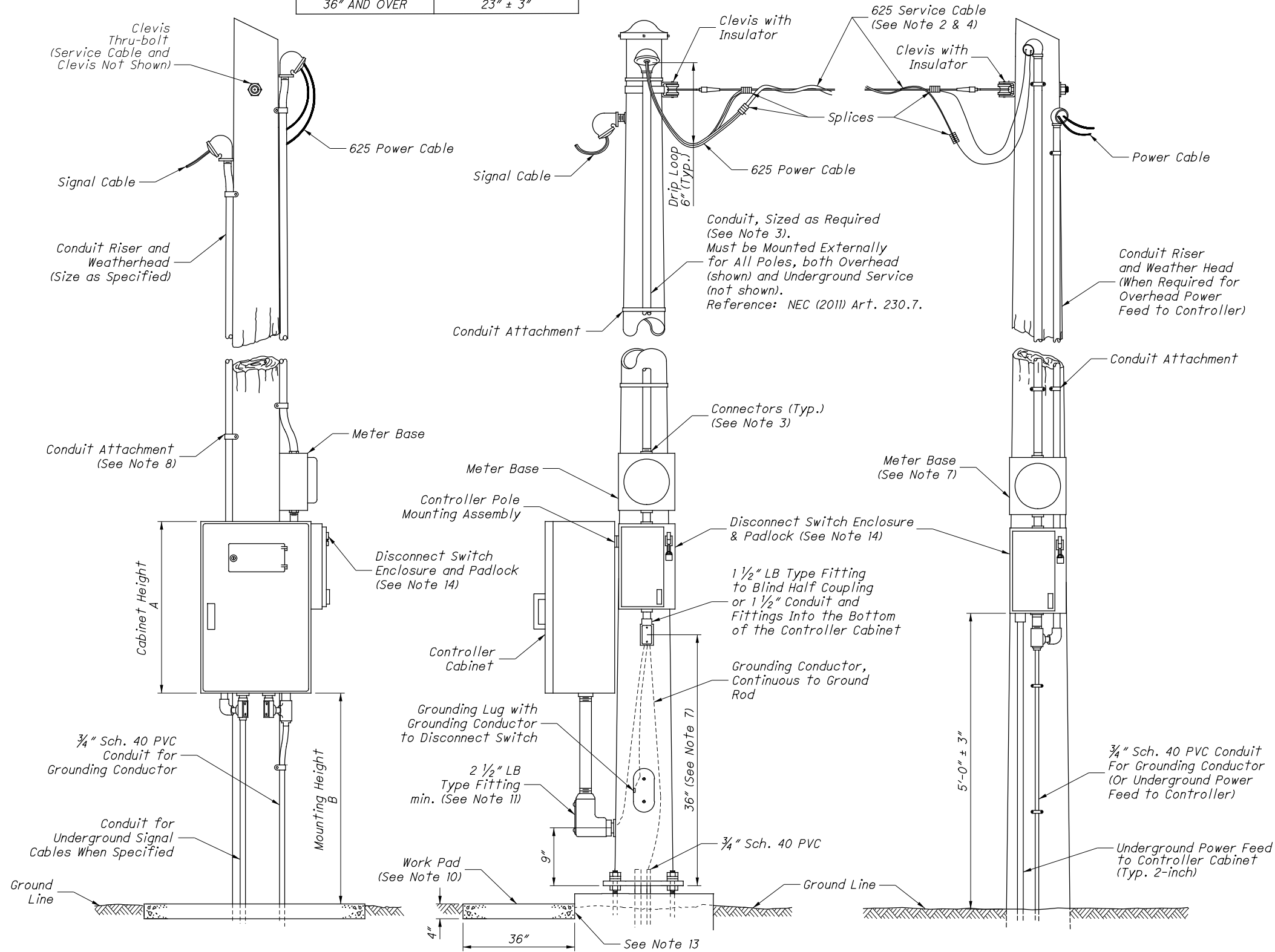


CABINET HEIGHT (A)	MOUNTING HEIGHT (B)
LESS THAN 36"	30" ± 3"
36" AND OVER	23" ± 3"



**POWER SERVICE AND CONTROLLER MOUNTING ON WOOD POLES (TYP. TEMPORARY)**

**POWER SERVICE AND CONTROLLER MOUNTING ON NEW STEEL POLES, STANDARD OR DECORATIVE**

(See Note 6)

**POWER SERVICE**

**NOTES:**

- All conduit fitting entries for controllers and power service equipment in proposed steel poles shall be attached by a blind half coupling welded into the pole prior to galvanizing.
- Service cable attachment on wood poles shall be by a 5/8" thru-bolt and clevis; on steel poles by a banded clevis.
- If both the meter and disconnect switch are not required on a steel pole, the power cable shall enter the controller through a conduit riser, external to the pole. For underground power service, install meter base and disconnect on an adjacent pedestal (SCD TC-83.20) or strut frame (SCD HL-40.20), as directed in the plans.
- The service cable and cable splices to the power cable for the incoming power supply shall be installed by the power supplying agency unless otherwise specified. The pole attachment hardware shall be furnished and installed by the Contractor.
- Orientation of the cabinet, meter and disconnect switch enclosure shall be arranged to minimize exposure to the street side and also minimize encroachment on sidewalks, unless otherwise shown on the plans.
- Power and controller service for metal poles shall be similar to that shown for the wood pole with the exception of the attachment hardware.
- The top of the meter base shall not exceed 6' above the ground. The mounting height of the LB type fitting may be decreased in order to accommodate a larger meter base.
- Conduit attachment shall be by means of two hole conduit straps with a maximum spacing of 5'. Minimum fastener requirements are as follows:  
wood poles - 1/4" x 3" long lag screws No. 14 x 3" long round head screws, or 20d spikes  
steel poles - 1/4" screws, self tapping or with drilled and tapped hole, in lieu of conduit clamps, 3/4" wide passivated stainless steel banding may be used on steel poles.
- Conduit connections at the top and bottom of the disconnect switch enclosure and meter base shall be watertight and shall use the hubs listed on the enclosure and meter base U.L. labels. Conduit shall be bent to allow the conduit to enter straight into the enclosure or meter base, and to provide space for the weatherhead when the riser is pulled tight against the pole.
- A 48" x 36" x 4" work pad shall be located below each pole-mounted controller cabinet unless located in an otherwise paved area. When required, this item shall be paid for under item 633, controller work pads. In level areas, the top of the pad shall be 1" above the ground line. In steeply sloped areas, the pad's location shall be adjusted to provide access and drainage while complying with the required controller cabinet mounting height.
- The horizontal orientation of the handhole relative to the 2 1/2" blind half coupling for the controller shall be as required by the plans except they shall not be closer than 90°. Install LB fitting before erecting pole.
- When conduit risers are required to be attached to utility company wood poles, and the utility company's policy requires non-metallic conduit, the conduit risers shall conform with NEMA Standards publication No. TC-2 for PVC conduit type EPC-40.
- 1/2" preformed joint filler as per CMS 705.05 shall be used between foundations and adjacent paved areas.
- Provide a separate disconnect and conduits for intersection lighting. Do not route lighting circuits through controller cabinet.