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When required for batteries to be installed in a pole mounted cabinet, wire batteries according to manufacturer's recommendations. Provide the number of batteries to be supplied as identified in the plans. When plans require a drilled shaft foundation, the pole shaft shall be one piece, Schedule 40 aluminum pipe, ASTM B429 or B221 (alloy 6061-T6 only). Aluminum versions will not provide required necessary strength and will not be approved.

See Detail D for conduit opening dimensions and see Note 10 for conduit size, type, and quantity. Use hardware specifically designed for attaching equipment to cabinets, photovoltaic modules, ground boxes/battery boxes, and conduit.

See Detail E for detailed information regarding the installation of ground boxes/battery boxes, and conduit.

List of symbols and abbreviations: S1 = Tilt angle (degrees), also sun elevation from horizon; S2 = Optimum vertical clearance between panels (in.); S3 = Tilt angle (degrees), also sun elevation from horizon; S4 = Sun pitch angle (degrees) required for maximum generation per National Renewable Energy Laboratory (NREL). D = Depth of panel (in.).

Example: SPS (TS) (60W) (1440W) (750AH) 3x50A (1)