

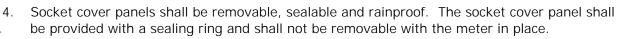
USE: COMMERCIAL OR RESIDENTIAL, OH OR UG, 120/240V, 201-400A, WITH BYPASS CAPABILITY

## SINGLE-PHASE, OVERHEAD OR UNDERGROUND, METER PANEL AND COMBINATION METER DISTRIBUTION SECTION, BY-PASS CAPABLE



NOTES:

- 1. This service equipment shall be listed by an approved testing laboratory and marked with a continuous ampere rating of 320 amperes. Alternatively, it may be marked "400 amps" (320 amperes continuous)".
- 2. Only ring type sockets are acceptable. For ring-type meter panels, the panel shall be provided with a sealing ring and the meter socket shall be rigidly mounted on a support and attached to the meter panel.
- 3. 12-24 bypass studs, 1/2 inch height with 1/2 inch hex-nut (measured across the flat) shall be provided on each phase bus section. The studs shall have a horizontal spacing of 1 1/2 inch (measured from the centers) between the line and load bus sections, and shall be offset from the line side termination lugs to permit cable entry from the top without interference with the service provider's manual bypass links.



- 5. The bypass and cable termination compartment cover panel shall be independent of the meter panel and it shall be removable, lockable and sealable.
- 6. Termination for service conductors shall be aluminum-bodied mechanical lugs with a range of 1/0 AWG 350 KCMIL. The lugs shall be secured to assure vertical alignment and line side lugs shall be offset from the face of the bus to permit cable entry from the top. The line and load positions shall be identified in 3/4 inch block letters.



If insulating material is provided the 1 1/2 inch dimension may be reduced between the line and load bus sections.

- If panel is installed as an upgrade, the Service Provider will not splice underground service cable in order to terminate to the new panel. If additional cable length is required due to meter base changeout the customer will be required to lower the meter socket to obtain sufficient length or provide a new continous conduit system (including new service riser) to the Company equipment. Design Services will determine if the current service conductor is adequate for the service entrance amperage. If the current conductor meets the Service Provider's design needs and is damaged, the replacement of the conductor will be billable. See Note 12.
- 9. This panel is the replacement for the K-4U meter socket, this includes the K-4U all-in-one load centers. The K-4U (bolt in meter) style panel is no longer approved.
- 10. Customer shall provide the terminal connectors with a connector range of 1/0 AWG 350 KCMIL per the specifications stated in Note 2, Page 2 of SR-425.
- 11. Customer owned conductors shall not pass through the pull section or meter socket section.



12. For all underground service entrance panels rated at 320A or 400A, regardless of whether installation is new service or service upgrade the customer will be required to install a 2 1/2 inch continuous conduit system, unless such system already exists.



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ower	<b>SERVICES</b> Santa Cruz County	ESR COMM.	8-06	EFFECTIVE DATE	5-22	Pg. 2 of 4

