USE: COMMERCIAL AND RESIDENTIAL MULTI-METER INSTALLATIONS (0-800AMP). NOT INTENDED FOR TEMPORARY SERVICE INSTALLATIONS.

RESIDENTIAL AND COMMERCIAL MULTI-METERING INSTALLATIONS

MODIFIED EUSERC DWG. G2

REFER TO SR-452 FOR THE COMPLETE APPROVED METERING AND SERVICE EQUIPMENT LIST

UNDERGROUND INSTALLATION

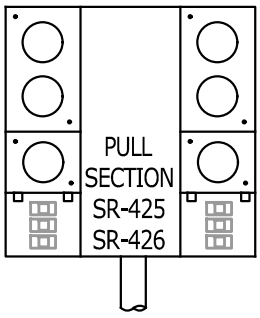


FIGURE 1

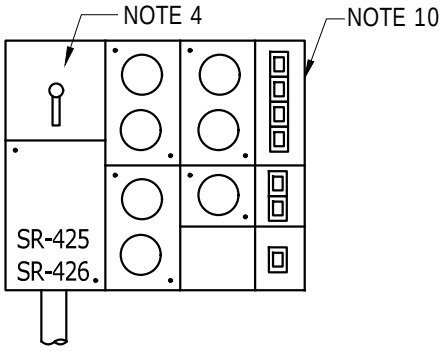


FIGURE 2

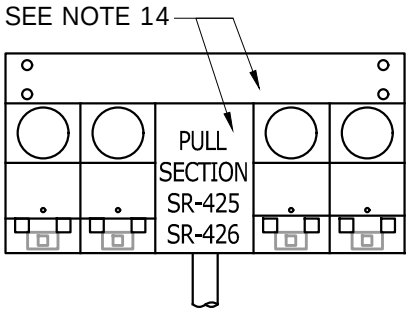


FIGURE 3

OVERHEAD INSTALLATION

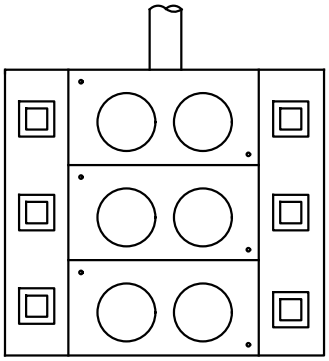


FIGURE 4

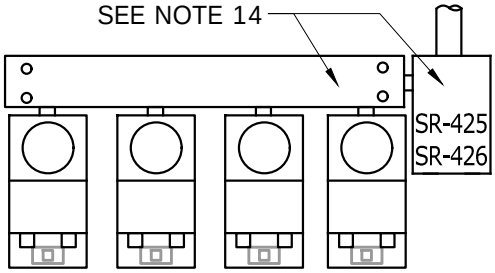


FIGURE 5

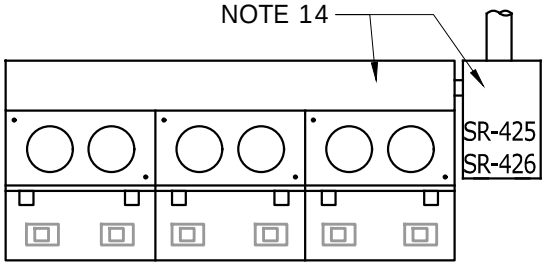
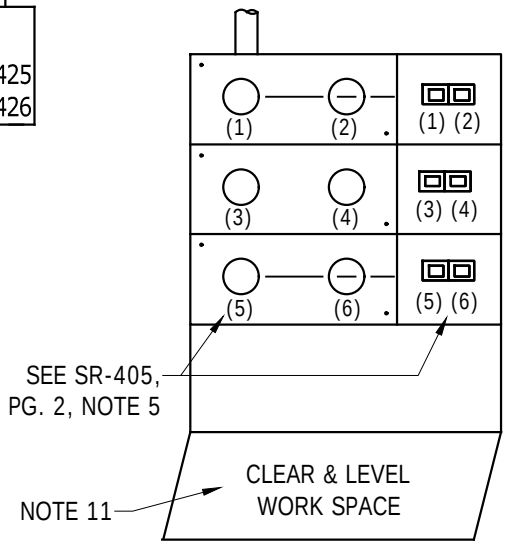


FIGURE 6



TYPICAL IDENTIFICATIONS

NOTE: DRAWINGS REPRESENT TYPICAL CONFIGURATIONS BUT MAY NOT ILLUSTRATE ALL CONFIGURATIONS FOR MULTI-METER INSTALLATION. CONSULT DESIGN SERVICES FOR REVIEW OF OTHER CONFIGURATIONS.

Tucson Electric Power / UniSourceEnergy SERVICES SANTA CRUZ COUNTY	INITIATED BY	SC	REVISION NO.	14	SR-418 14
			ESR COMM.	11-22	Pg. 1 of 2
	ESR COMM.	6-78	EFFECTIVE DATE	11-22	

USE: COMMERCIAL AND RESIDENTIAL MULTI-METER INSTALLATIONS (0-800AMP). NOT INTENDED FOR TEMPORARY SERVICE INSTALLATIONS.

RESIDENTIAL AND COMMERCIAL MULTI-METERING INSTALLATIONS

1. Refer to SR-405, Page 2, Meter Socket and Meter Switch Identification for Company requirements.
2. Refer to SR-425 for dimensions of terminating pull sections.
3. Underground pull sections and landing lugs shall be under a separate sealable cover.
4. Refer to Local Jurisidication Having Authority (AHJ) for main disconnect requirements. See SR-426 for Company requirements.
5. Breakers must be sealable in the off position with a Service Provider padlock/seal or individual breakers must have individual sealable covers. Pull Out fused disconnects are not allowed. 13
6. Not more than two meters shall be placed on one panel, unless all of the following specifications are met:
    a. Cover panel can be removed without removing meters.
    b. Only metered load conductors are accessible after the panel has been removed.
    c. Each socket interior shall be barricaded from the other socket interiors.
    d. Sockets must be ring-type.
7. The use of a single-phase bypass systems is required for commercial installations, refer to SR-410. It is recommended that equipment not be purchased prior to approval by Design Services.
8. For multi-meter installations, the maximum height to the centerline of any meter shall be 6'-3" and the minimum height of the centerline of any meter shall be 3'-6" if the installation is outside. For multi-meter installation only, a minimum height of 2'-6" is permitted if the installation is in a meter room or lockable enclosure. PLEASE NOTE that some four-high and most five-high meter-paks will not fit within the permitted minimum and maximum heights for outside installations, these mter-packs will not be allowed.
9. Sealing provisions must be designed to prevent cover removal without breaking seal(s).
10. Breaker and wireway covers shall be independent of meter panels unless meter-pak is designed per Note 6 of this standard.
11. A clear and level work space at least 3 feet in depth and at least as wide as the electrical equipment shall be provided and maintained in front of all electrical equipment.
12. This service installation can not be used as a means of Temporary Service. Please refer to SR-307 or SR-314 for temporary overhead and underground service installations.
13. Multi-meter services shall utilize a pull section, see SR-425 or SR-426.
14. Refer to SR-405, Page 9, for requirements for residential meter socket.
15. Each meter socket connection shall have separate home run conductors to the termination can. No tapping of conductors will be allowed within the gutter section.
16. All conductors shall be addressed and marked (taped) in accordance with SR-405. Service Provided is not responsible to 'ring out' meter to verify power path.
17. Refer to SR-410 for approved meter socket interiors and by-pass systems.
18. All commercial installations must have a single-phase by-pass system.
19. All proposed installation utilizing this standard for multi-meter installation for wireless cell facilities must utilize a single-phase bypass system and be submitted for review and approval by Company Telecommunication Design Services.