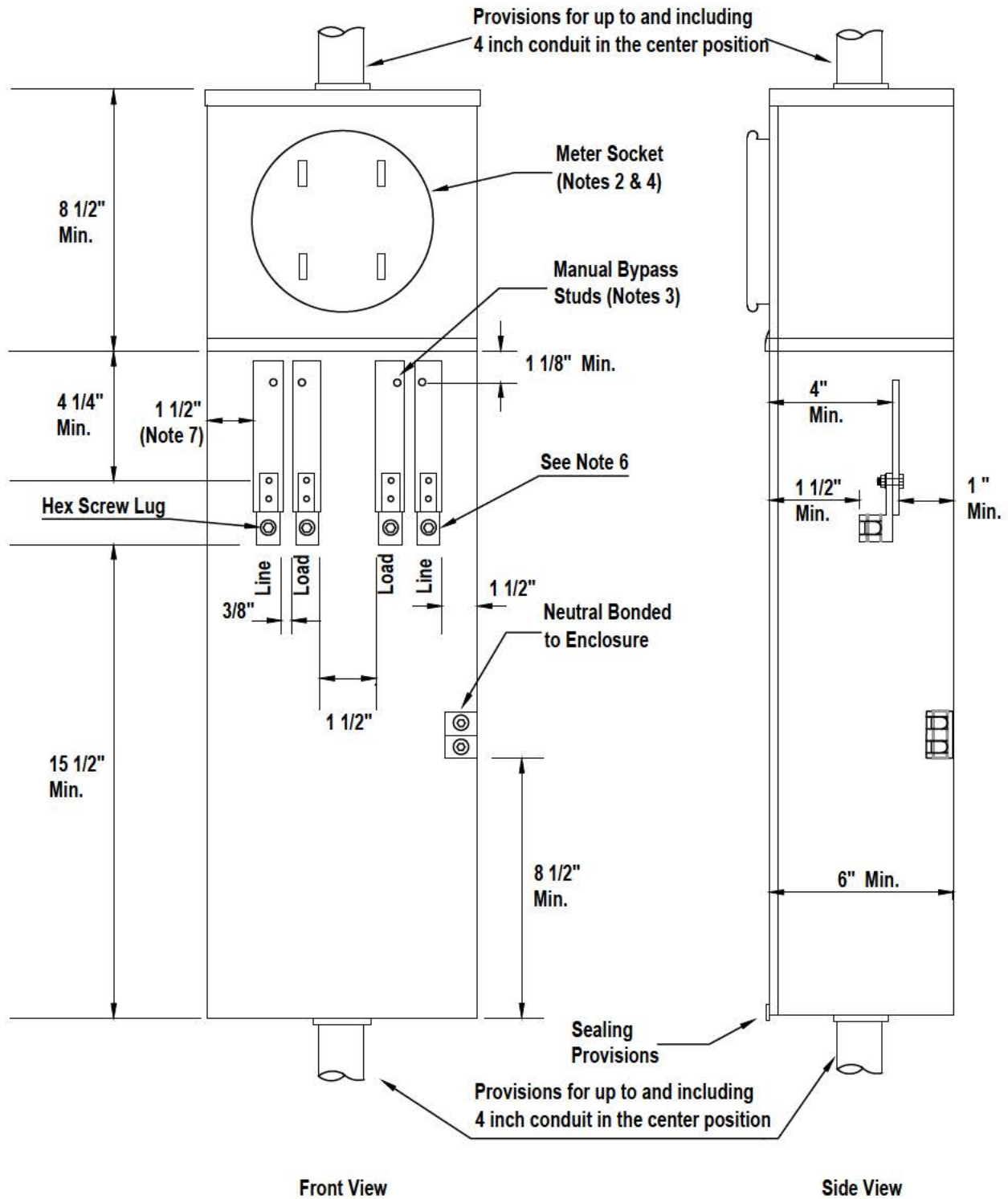


USE: 1Ø Residential or  
Commercial UG or OH  
120/240 V, 201-400 A  
Bypass capable

## OVERHEAD or UNDERGROUND METER PANEL WITH BYPASS STUDS

EUSERC DWG. NO.302B

Refer to SR-452 for the complete  
Approved Metering and Service Equipment list

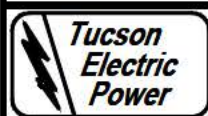


INITIATED BY	GC	REVISION NO.	12
ESR COMM.	8-06	ESR COMM.	7-07
		EFFECTIVE DATE	8-07

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Notes:

1. This service equipment shall be marked with continuous ampere rating of 320 amperes. Alternatively, it may be marked "400 AMP" (320 amperes continues).
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 utility provided manual bypass links.
4. The socket meter panel shall be provided with a sealing ring and shall not be removable with the meter in place.
5. The bypass / cable termination compartment cover panel shall be independent of the meter panel, removable, lockable and sealable.
6. Termination for service conductors shall be aluminum-bodied mechanical lugs with a range of No. 1 AWG through 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 high block letters.
7. 1 1/2 inch dimension may be less if insulating material provided.
8. If this panel is installed as an upgrade, please note that TEP will not splice underground service cable in order to terminate to the new panel. If additional cable length is required due to meter base changeouts the customer will be required to lower the meter socket to obtain sufficient length or provide a new service conduit system (including new service riser) to TEP equipment. If the current conductor meets TEP's design needs and is damaged, the replacement of the conductor will be billable. TEP will determine if the current service conductor is adequate for the service entrance amperage.
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 meter panel is no longer approved.
10. The customer is to provide the terminal connectors with a connector range of 1/0 AWG - 350 KCMIL are to be provided 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.



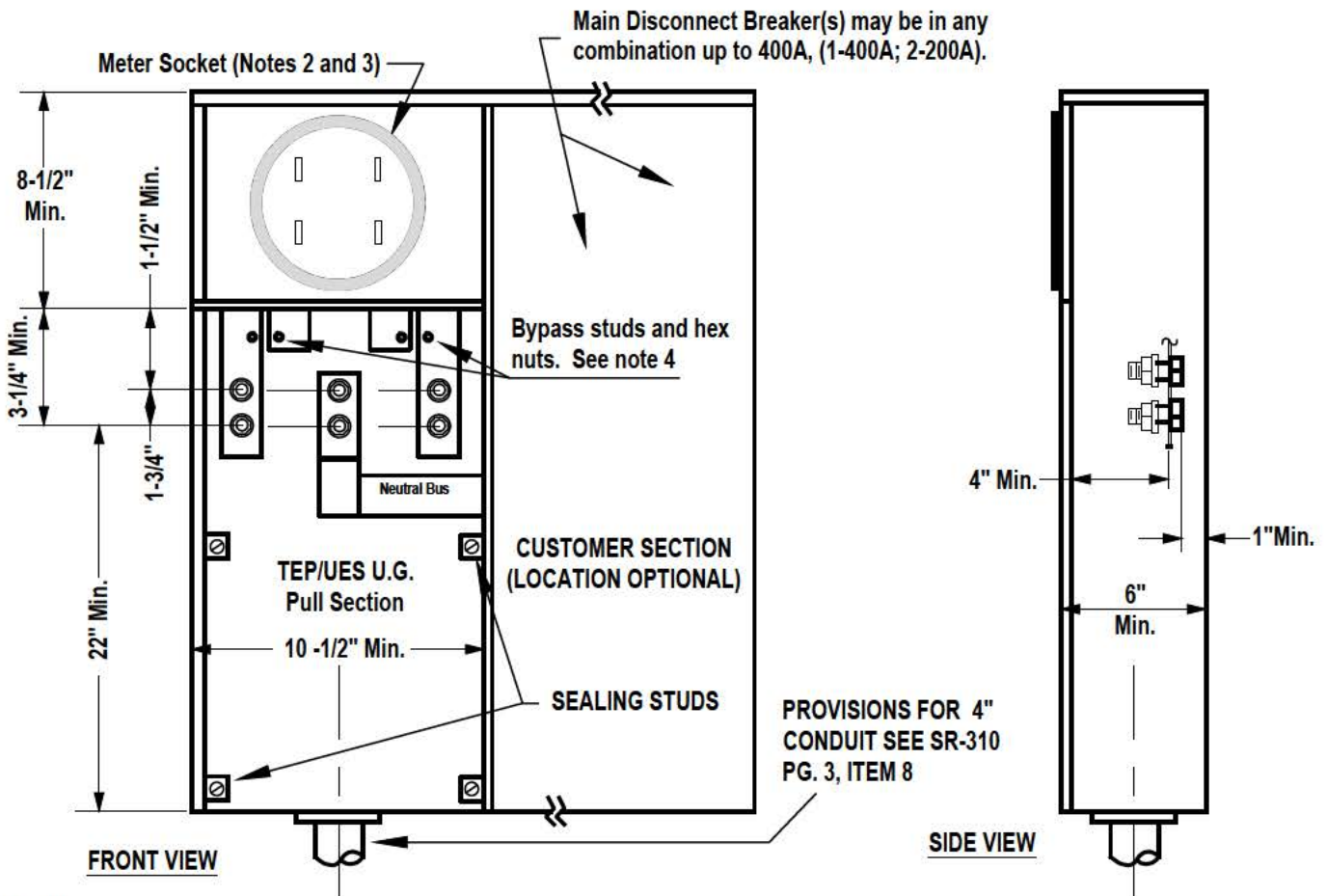
INITIATED BY	GC	REVISION NO.	2	SR-412 Pg. 2 of 4
ESR COMM.	8-06	STANDARDS COMM.	7-07	
		EFFECTIVE DATE	8-07	

# UNDERGROUND COMBINATION METER AND DISTRIBUTION SECTION

EUSERC DWG. NO. 302

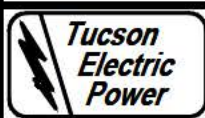
USE: Commercial and Residential  
120/240 V, 3 wire, 1Ø,  
400A, 320A continuous  
XK2 Meter

Refer to SR-452 for the complete  
Approved Metering and Service Equipment list



**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.** Ringed type socket cover panels shall be removable, sealable and rainproof.
3. The meter socket may be located above, to the left, or to the right of the underground pull section. A single unit with only service termination facilities and metering is also acceptable.
4. **Manual bypass facilities shall be provided for commercial service only, which will maintain service continuity to the customer while the meter is removed for test or inspection.**
5. Manual bypass provisions which de-energize the meter socket are preferred but not required. **(Automatic bypasses are unacceptable.)**
6. Customer-owned wiring extending from the distribution section (branch circuits) shall not pass through any section sealed by TEP/UES or Service Provider.
7. Pull section cover panels shall be removable, sealable, provided with two lifting handles, and limited to a maximum size of 9 square feet in area. Sealing provisions shall consist of two drilled stud and wing nut assemblies on opposite sides of the panels. All securing screws shall be captive.
8. Terminal connectors with a connector range of #1/0 AWG-350 KCMIL are to be provided as per the specifications stated in note #2, page 2 of SR-425.



INITIATED BY	GC
ESR COMM.	7-07

REVISION NO.	0
ESR COMM.	7-07
EFFECTIVE DATE	8-07

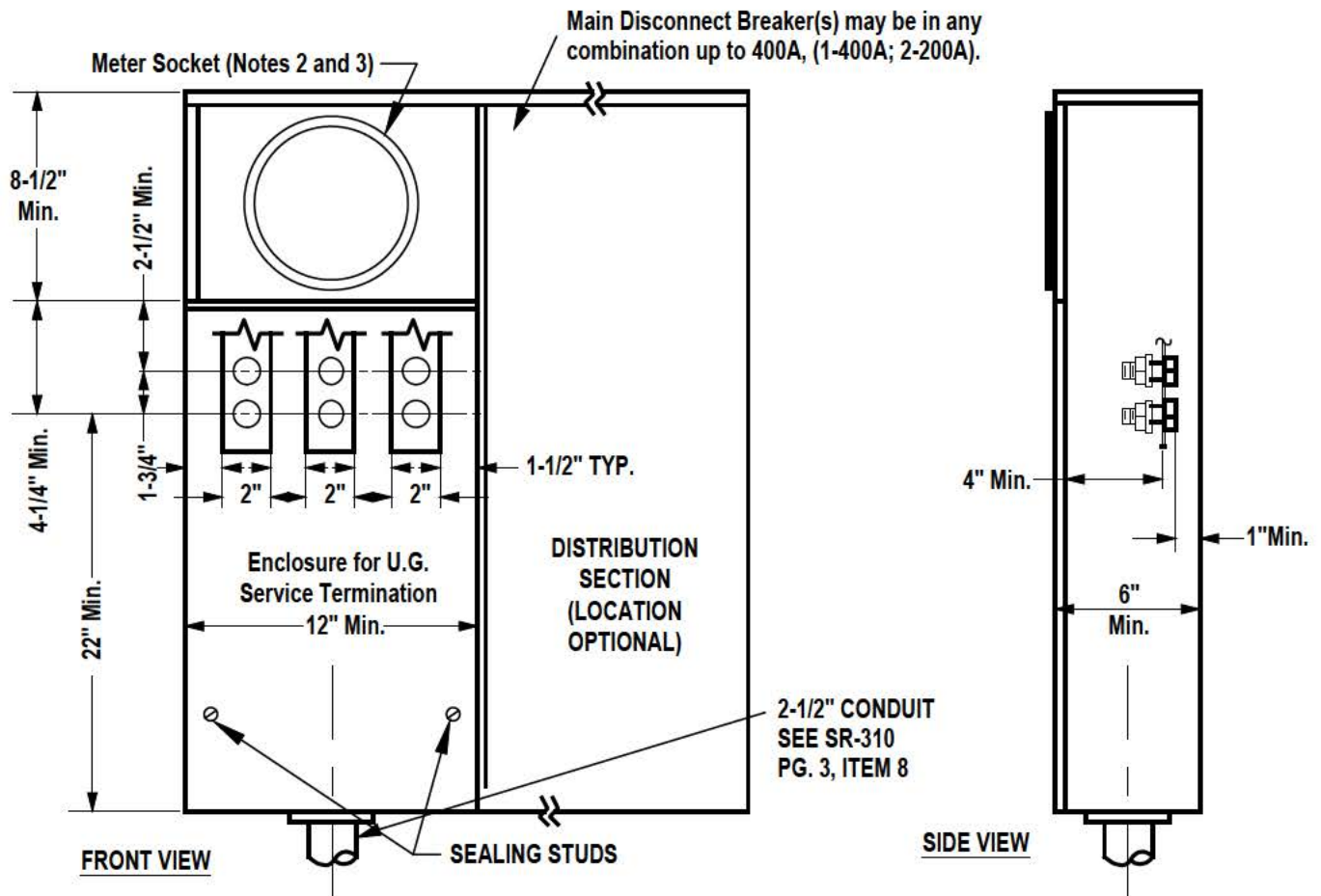
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# UNDERGROUND COMBINATION METER AND DISTRIBUTION SECTION

EUSERC DWG. NO. 302

**USE:** Residential and  
Unoccupied Commercial  
120/240 V, 3 wire, 1Ø,  
320A, continuous  
XK2 Meter

Refer to SR-452 for the complete  
Approved Metering and Service Equipment list



**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.** Ringed type socket cover panels shall be removable, sealable and rainproof.
3. The meter socket may be located above, to the left, or to the right of the underground pull section. A single unit with only service termination facilities and metering is also acceptable.
4. Customer-owned wiring extending from the distribution section (branch circuits) shall not pass through any section sealed by TEP/UES or Service Provider.
5. Pull section cover panels shall be removable, sealable, provided with two lifting handles, and limited to a maximum size of 9 square feet in area. Sealing provisions shall consist of two drilled stud and wing nut assemblies on opposite sides of the panels. All securing screws shall be captive.
6. Terminal connectors with a connector range of #1/0 AWG-350 KCMIL are to be provided as per the specifications stated in note #2, page 2 of SR-425.
7. See SR-412 pg. 1 or 3 for self contained metering on Occupied Commercial installations.

Formerly SR-412 pg. 3



INITIATED BY	CO
STANDARDS COMM.	2-90

REVISION NO.	5
ESR COMM.	7-07
EFFECTIVE DATE	8-07

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