

| Commercial Meter Specifications See Notes 1, 2, 4 & 8 | | | | | CITY PROVIDES | | | | CUSTOMER PROVIDES | | | | Service Wire Provided by City |
|--|----------|-----------------------------|--------------------------|-------|---------------|----------------|-------------|------------|-------------------|--------------|-----------|---|-------------------------------|
| | | | | | METER | | CT'S | METER BASE | | CT CAN | | | |
| VOLTAGE | PHASE | RATE | Main Bkr or Panel (Amps) | Class | Form | W/ Demand & PF | No. of CT's | Min Rating | No. of Terminals | Block Bypass | | | |
| 120/240 V | 1 | E-210 Commercial non-Demand | 200 | 200A | 2S | | 200A | 4 | Y | | | Y | Y |
| | | | 320 | 320A | | | | | | | | | |
| | | | 400 | 20A | 4S | Y | 2 | 100A | 6 | TS | Note 3 | N | N |
| | | E-200 Demand | 600-800 | 20A | | | | | | | | | |
| 120/208 V | Net-work | E-210 Commercial non-Demand | 200 | 200A | 12S | | | 200A | 5 | Y | Note 5, 6 | Y | |
| 120/208GY V, 277/480GY V, or 240/120V Delta (Note 5) | 3 | E-211 Commercial non-Demand | 200 | 200A | 16S | | | 200A | 7 | Y | Note 7 | Y | |
| | | | 400-800 | 20A | 9S | Y | 3 | 100A | 13 | TS | Note 3 | N | N |
| | | E-201 Demand | >800 | | | | | | | | | | |

NOTES:

TS = Test Switch

1. METER DEPARTMENT MUST BE NOTIFIED IN ADVANCE OF ALL SPECIAL METERING INSTALLATIONS. SUBMIT APPLICATION FOR SERVICE.
2. METER BASES:
 - (A) METER BASES SHALL BE TYPE S.
 - (B) METER BASES SHALL BE LOCATED ON AN EXTERIOR BUILDING WALL.
 - (C) METER BASE HEIGHT SHALL BE BETWEEN 48" AND 72" TO THE TOP OF THE METER BASE.
 - (D) BYPASS LUGS REQUIRED ON ALL COMMERCIAL SERVICES
3. WHERE CURRENT TRANSFORMERS ARE REQUIRED:
 - (A) METER BASE MUST INCLUDE PROVISIONS FOR TEST SWITCH.
 - (B) CITY WILL INSTALL INSTRUMENT WIRING TO CT'S AND TEST SWITCH.
 - (C) CUSTOMER MUST OBTAIN CT'S FROM CITY & INSTALL.
 - (D) 200-800AMP CT CAN
 - i. CT CAN MUST BE MIN 30" X 36" X 11" WITH HINGED COVER & LANDING PADS
 - ii. CT CAN MUST BE EXTERNALLY LOCATED AND MEET L-30 SPEC.
 - iii. CT CAN MUST BE COUPLED DIRECTLY TO METER BASE (MIN 1" RGS INSIDE DIAM.)
 - (E) OVER 800AMP - SWITCHGEAR (3 PHASE ONLY)
 - i. CT COMPARTMENT IN SWITCHGEAR MUST MEET EUSERC 322 SPECS.
 - ii. MAXIMUM 30' COUPLING BETWEEN CT COMPARTMENT AND METER BASE.
 - iii. MIN 1" INSIDE DIAM. RIGID GALV. STEEL (RGS) CONDUIT
4. NO POINT OF ENTRY ALLOWED IN METER CONDUIT (NO LB's, JB's, Gutter Box, ETC.)
5. HIGH LEG (WILD LEG) ON RIGHT, MARKED WITH RED TAPE.
6. NEUTRAL JAW SHALL BE ON LEFT SIDE.
7. DISCONNECT MEANS REQUIRED ON ALL 480V SELF CONTAINED METERS.
8. ANY OVERHEAD SERVICE WIRE THAT IS PROVIDED BY THE CITY WILL ONLY BE INSTALLED TO THE CRIMPS LOCATED AT THE WEATHER HEAD.

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|--------|-------------|---|--|--|--|--|------|--|--|
| OPS | Rev 8/17/17 | COMMERCIAL METERING SPECIFICATIONS ENERGY SERVICES DEPARTMENT CITY OF ELLensburg | | | | | L1-C | | |
| ENGR | | | | | | | | | |
| MTR | | | | | | | | | |
| DATE: | 04/01/09 | File Path: P:\Projects\LIGHT\Spec Book\Standards Library\Electric Standards & Specifications\I - Standard Practices\I Metering | | | | | | | |
| SCALE: | NTS | | | | | | | | |