

METERING SPECIFICATIONS

Festival Hydro  INC.

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Metering Equipment

| Voltage | Phases | Wires | Service Size and Details | | Meter Base / Meter Cabinet Sizes (W X H X D) | | |
|----------|--------|-------|--|--|--|--------------|--------------|
| 120/ 240 | 1 | 3 | 200 Amp – 4 Jaw Meter Base | | 305 (12") | 432 (17") | 133 (5 1/4") |
| 120/ 240 | 1 | 3 | 201-400 | Meter Base with integrated CT ⁽⁶⁾ | 915 (36") | 508 (20") | 203 (8") |
| 120/208 | 3 | 4 | 0 - 100 Amp - 5 Jaw Meter base with 5'th jaw in 9'oclock position. Network service. 2 phases and one neutral | | 191 (7 1/2") | 235 (9 1/4") | 92 (3 5/8") |
| | 3 | 4 | 200 Amp - 7 Jaw Meter Base | | 305 (12") | 432 (17") | 133 (5 1/4") |
| 120/208 | 3 | 4 | 201 – 400 | CT Cabinet ⁽²⁾ | 915 (36") | 915 (36") | 305 (12") |
| | | | 201 – 800 | Meter Cabinet ⁽³⁾ | 457 (18") | 559 (22") | 305 (12") |
| | | | 800+ | | Consult Festival Hydro Inc | | |
| 347/600 | 3 | 4 | 0 – 400 | CT/PT Cabinet ⁽²⁾ | 1219 (48") | 1219 (48") | 305 (12") |
| | | | 0 – 800 | Meter Cabinet ⁽³⁾ | 457 (18") | 559 (22") | 305 (12") |
| | | | 800+ | | Consult Festival Hydro Inc | | |
| >600 | 3 | 4 | 0-800+ | | Consult Festival Hydro Inc | | |

NOTES:

2. Outdoor 400A meter sockets (Microelectric Cat#JS4B-TLHO or equivalent) are required on 1 phase 240V services above 200A.
3. Cabinets shall be fabricated of minimum #16 gauge stainless steel, have side-hinged doors opening at the center and be equipped with three-point latching and provision for utility padlocking. Shall also have removal back plates.
4. The maximum distance from the floor to the top of the cabinet shall be 2000mm
5. Instrument Transformers will be provided by Festival Hydro and shall be installed by the switchgear manufacturer or an

approved electrical contractor.

6. Voltage transformer connections shall be connected on the line side of the current transformers. Current transformers shall be installed with their polarity marks towards the incoming Festival Hydro Supply
7. Remote indoor meter cabinets are required on 3 phase 208 and 600 volt services over 200 amps. The pad-lockable cabinets shall be waterproof with removable back-plate, and meter viewing window. This cabinet will be connected to the switchboard instrument transformer compartment via a minimum 1 ¼" conduit.

Manufactured Meter Centres

- a) Indoor meter centres may be used for 750 V applications or less, as far as they meet the following specifications.
- b) Required for more than four sub-services
 1. Side-hinged doors or panels shall be installed over all sections of the switchboard where Festival Hydro may be required to work, such as unmetered sections and those sections containing breakers, switches and meter mounting devices. Hinged doors or panels shall have provision for sealing in the closed position. Where bolts are used, they shall be of the captive knurled type. The hinged covers over breakers or switches shall be so constructed that the covers cannot be opened when sealed or padlocked,
 2. Breakers or switch handles shall have provision for positive sealing and padlocking in the "off" position.
 3. Meter mounting devices shall be wired so as to be on the "load" side of the breakers or switches.
 4. Each combination meter socket and breaker panel shall have adequate space for permanent Customer identification with respect to street address and/or unit number.
 5. The centre of the bottom row of meter sockets shall be not less than 600mm (24") from the finished floor. The centre of the top row of meter sockets shall be not more than 1800mm (72") from the finished floor.
 6. The meter mounting socket and sealing ring shall be acceptable to

Festival Hydro.

7. Where a neutral is required, the meter-mounting device shall have a pre-wired ungrounded neutral connection to the 5th or 7th terminal. The connection, if not made directly to the neutral bus, shall be not less than #12 AWG copper or equivalent.