

629

REVISED 4/07

208Y/120 VOLT OR 480Y/277 VOLT, THREE-PHASE, FOUR-WIRE WIRING DIAGRAM

TRANSFORMER RATED METER SOCKET WITH TEST SWITCHES.

THE TRANSFORMER SECONDARY GROUND CONNECTION AND METER LEADS ARE PRE-WIRED IN THE COMPANY'S METER SOCKET.

THE PRIMARY POLARITY MARKS ARE IDENTIFIED BY A WHITE MARKER OR BY RAISED LETTERING "HI". THE POLARITY MARKS MUST FACE THE INCOMING SERVICE CONDUCTORS.

SERVICE LATERAL OR SERVICE-ENTRANCE CONDUCTORS INSTALLED BY THE CUSTOMER. (SEE ARTICLE 509C)

A MAXIMUM OF 3 CONDUCTORS MAY BE DIRECTLY CONNECTED TO EACH LINE AND LOAD TERMINAL. WHERE MORE THAN 3 CONDUCTORS ARE REQUIRED, CONTACT POWER DELIVERY. (SEE ARTICLE 504 AND 509)

SERVICE DISCONNECTING MEANS AND OVERCURRENT PROTECTION ENCLOSURE.

THE GROUNDED SERVICE NEUTRAL CONDUCTOR MUST TERMINATE IN EACH SERVICE DISCONNECTING MEANS ENCLOSURE.

THE ENCLOSURES ARE BONDED TO THE SERVICE SYSTEM GROUND BY A MAIN BONDING JUMPER OR A BONDING SCREW.

WHEN ALUMINUM CONDUCTORS ARE INSTALLED ALL CONNECTIONS IN THE METERING CABINET MUST BE PROPERLY COATED WITH AN INHIBITOR COMPOUND. IT IS HIGHLY RECOMMENDED TO USE THE INHIBITOR COMPOUND ON THE CONDUCTOR CONNECTIONS IN THE SERVICE DISCONNECT OR SERVICE PANELBOARD.

ALL SERVICE CONDUCTOR CONNECTIONS IN THE METERING CABINET AND SERVICE DISCONNECT OR SERVICE PANELBOARD MUST BE TORQUED TO THE MANUFACTURER'S SPECIFICATIONS LABEL FOUND ON THE EQUIPMENT.

APPROVED GROUNDING (SEE DRAWING 644)

