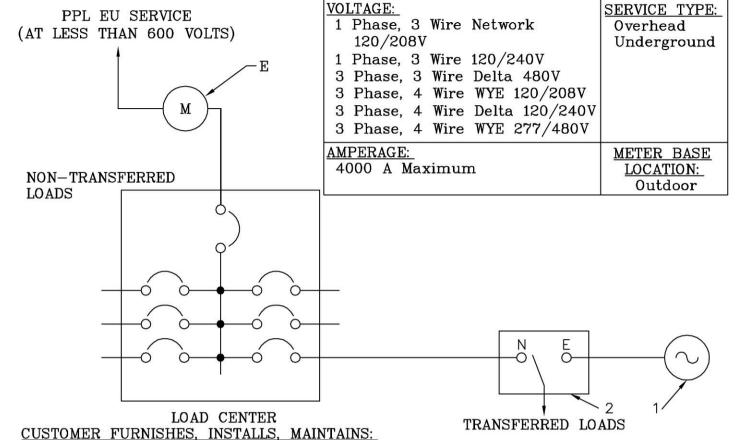
SKETCH #41A

SHEET 1 of 2

## Automatic Transfer Switch Connection for Emergency (Stand-by) Generating Service GENERATOR FEEDING PARTIAL LOAD

SKETCH #41A SHEET 1 of 2



- 1. EMERGENCY STANDBY GENERATOR MAY HAVE INTEGRAL OVERCURRENT PROTECTION.
- 2. AUTOMATIC TRANSFER SWITCH (BREAK-BEFORE-MAKE) APPROPRIATELY SIZED FOR THE APPLICATION, OPEN TRANSITION. SEE APPROVED AUTOMATIC TRANSFER SWITCH TABLE. (N STANDS FOR NORMAL, E STANDS FOR EMERGENCY).

## NOTES:

- A. INSTALLATION AND EQUIPMENT MUST ADHERE TO REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC).
- B. FOR AUTOMATIC TRANSFER SWITCH TYPES NOT ON APPROVED AUTOMATIC TRANSFER SWITCH TABLE, PLEASE CONTACT PPL EU BEFORE PROCEEDING WITH ENGINEERING AND MATERIAL/EQUIPMENT PURCHASE.
- C. INDEPENDENT ELECTRICAL INSPECTION AND WITNESS OF PERFORMANCE TEST OF AUTOMATIC TRANSFER SWITCH OPERATION RECOMMENDED BY PPL EU AND MAY BE REQUIRED BY THE NEC OR ANY OTHER APPLICABLE CODE.
- D. PPL EU WILL INSTALL PERMANENT LABELING ON THE METER BASE (PPL EU CATALOG #1012171) AND PADMOUNT TRANSFORMER (#1012171) OR POLE MOUNT TRANSFORMER (#1013816) UPON RECEIPT OF INSPECTION.
- E. METERING EQUIPMENT—SEE APPROPRIATE SKETCH FOR SERVICE TYPE AND SIZE TO DETERMINE METERING RESPONSIBILITIES.

RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS

PPL ELECTRIC UTILITIES CORPORATION

Rules: 12, 26

Date: 7/29/11 Engr: MDB



SHEET 2 of 2

Generating Service
GENERATOR FEEDING FULL LOAD

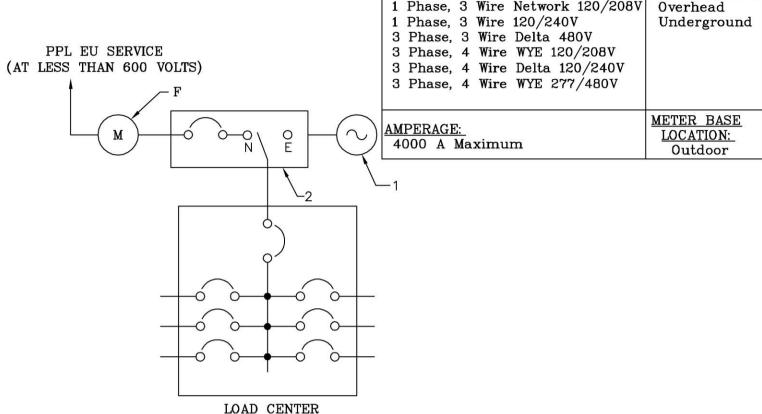
Automatic Transfer Switch Connection for Emergency (Stand-by)

SERVICE TYPE:

SKETCH #41A

SHEET 2 of 2

<u>VOLTAGE:</u>
1 Phase, 3 Wire Network 120/208V



## CUSTOMER FURNISHES, INSTALLS, MAINTAINS: 1. EMERGENCY STANDBY GENERATOR MAY HAVE INTEGRAL OVERCURRENT PROTECTION

- 1. EMERGENCI STANDDI GENERATOR MAI HAVE INTEGRAL OVERCORRENT TROTECTION
- 2. AUTOMATIC TRANSFER SWITCH (BREAK-BEFORE-MAKE), APPROPRIATELY SIZED FOR THE APPLICATION, OPEN TRANSITION. SERVICE ENTRANCE RATED (OR WITH UPSTREAM PROTECTION TO MEET AUTOMATIC TRANSFER SWITCH EQUIPMENT SPECS). SEE APPROVED AUTOMATIC TRANSFER SWITCH TABLE. (N STANDS FOR NORMAL, E STANDS FOR EMERGENCY).

## NOTES:

- A. INSTALLATION AND EQUIPMENT MUST ADHERE TO REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC).
- B. FOR AUTOMATIC TRANSFER SWITCH TYPES NOT ON APPROVED AUTOMATIC TRANSFER SWITCH TABLE, PLEASE CONTACT PPL EU BEFORE PROCEEDING WITH ENGINEERING AND MATERIAL/EQUIPMENT PURCHASE.
- C. WITNESS OF PERFORMANCE TEST OF AUTOMATIC TRANSFER SWITCH OPERATION RECOMMENDED BY PPL EU AND MAY BE REQUIRED BY THE NEC OR ANY OTHER APPLICABLE CODE.
- D. PPL EU REQUIRES AN INDEPENDENT ELECTRICAL INSPECTION.
- E. PPL EU WILL INSTALL PERMANENT LABELING ON THE METER BASE (PPL EU CATALOG #1012171) AND PAD MOUNT TRANSFORMER (#1012171) OR POLE MOUNT TRANSFORMER (#1013816) UPON RECEIPT OF INSPECTION.
- F. METERING EQUIPMENT-SEE APPROPRIATE SKETCH FOR SERVICE TYPE AND SIZE TO DETERMINE METERING RESPONSIBILITIES.

RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS

PPL ELECTRIC UTILITIES
CORPORATION

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