

SECTION 26 05 53

ELECTRICAL IDENTIFICATION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Nameplates and tape labels.
- B. Panelboard Directories.
- C. Underground marker tape.
- D. Arc Flash Warning Labels.

1.2 REFERENCES

- A. ANSI Z535.4-2011 – Product Safety Signs and Labels

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Nameplates: Engraved three-layer laminated plastic, black letters on a white background.
- B. Underground Warning Tape: 6" wide plastic tape, colored red with suitable legend describing buried electrical lines: Model UT27737 as manufactured by *Emedco*, or equal.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Degrease and clean surfaces to receive nameplates.
- B. Install nameplates parallel to equipment lines.
- C. Secure nameplates to equipment fronts using screws, rivets, or adhesive. Secure nameplate to inside face of recessed panelboard doors in finished locations.
- D. Install underground warning tapes at all buried lines 6" below finished grade.

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3.2 NAMEPLATE ENGRAVING SCHEDULE

- A. Provide nameplates to identify all electrical disconnect switches, transformers, motor starters, and panelboard. Letter Height: ¼ inch. Use designations indicated on Single Line Diagram included in the Contract Drawings.

3.3 PANELBOARD AND LOAD CENTER DIRECTORIES

- A. Provide a typed directory of panel circuit load descriptions for all panelboards and load centers. Mount directory to inside of panel cover. Identify circuit loads by load type and room location of load served.
- B. Provide labels for all panelboards indicating the calculated short circuit current and arc-fault hazard rating.

3.4 ARC FLASH WARNING LABELS

- A. The existing main switchboard, electrical panelboards and meter sockets shall be field or factory marked to warn qualified persons of potential electric arc flash hazards. The markings shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment. The labels shall be permanently affixed to the equipment and shall not be hand written.
- B. Arch flash warning labels shall conform to the guidelines for lettering, color and symbols as contained in ANSI Z535.4-2011.

END OF SECTION