# PART 1 - GENERAL

* 1. **WORK INCLUDED**
     1. Hinged cover enclosures.
     2. Cabinets.
     3. Terminal blocks and accessories.
  2. **REFERENCES**
     1. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
     2. ANSI/NEMA ICS 1 - Industrial Control and Systems.
     3. ANSI/NEMA ICS 4 - Terminal Blocks for Industrial Control Equipment and Systems.
     4. ANSI/NEMA ICS 6 - Enclosures for Industrial Control Equipment and Systems.
  3. **SUBMITTALS**
     1. Submit product data under provisions with Division 01.
     2. Shop Drawings for Equipment Panels: Include wiring schematic diagram, wiring diagram, outline drawing and construction diagram as described in ANSI/NEMA ICS 1.

# PART 2 - PRODUCTS

* 1. **HINGED COVER ENCLOSURES**
     1. Construction: NEMA 250; Type 1, 3R, steel.
     2. Finish: Manufacturer's standard enamel finish.
     3. Covers: Continuous hinge, held closed by flush latch operable by key. Cover to be supplied with micarte label permanently and mechanically attached with permanent alpha/numerical designation of key type/number.
     4. Panel for Mounting Terminal Blocks or Electrical Components: 14 gage steel, white enamel finish.
  2. **CABINETS**
     1. Cabinet Boxes: Galvanized steel with removable end walls. Provide 3/4 inch thick plywood backboard painted matte white, for mounting terminal blocks. Plywood to be treated with fire resistant paint/sealant.
     2. Cabinet Fronts: Steel, flush surface type with concealed trim clamps, screw cover front, concealed hinge and flush lock keyed to match branch circuit panel board; finish as approved by Architect.
  3. **TERMINAL BLOCKS AND ACCESSORIES**
     1. Terminal Blocks: ANSI/NEMA ICS 4; UL listed.
     2. Power Terminals: Unit construction type, closed-back type, with tubular pressure screw connectors, rated 600 volts.
     3. Signal and Control Terminals: Modular construction type, channel mounted; tubular pressure screw connectors, rated 300 volts.
  4. **FABRICATION**
     1. Shop assemble enclosures and cabinets housing terminal blocks or electrical components in accordance with ANSI/NEMA ICS 6.
     2. Provide conduit hubs knockouts on enclosures.
     3. Provide protective pocket inside front cover with schematic diagram, connection diagram, and layout drawing of control wiring and components within enclosure.

# Part 3 - EXECUTION

* 1. **INSTALLATION**
     1. Install cabinets and enclosures plumb and level; anchor securely to wall and structural supports at each corner, minimum.
     2. Provide accessory feet for free-standing equipment enclosures.
     3. Install trim plumb.
     4. Provide nameplate per Section 26 05 53.
     5. Ground and bond per Section 26 05 26.

# END OF SECTION