SECTION 16160
CABINETS AND ENCLOSURES

PART 1   GENERAL

1.1 SECTION INCLUDES:
   A. Hinged cover enclosures.
   B. Cabinets.
   C. Terminal blocks and accessories.

1.2 REFERENCES
   A. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
   B. ANSI/NEMA ICS 1 - Industrial Control and Systems.
   C. ANSI/NEMA ICS 4 - Terminal Blocks for Industrial Control Equipment and Systems.
   D. ANSI/NEMA ICS 6 - Enclosures for Industrial Control Equipment and Systems.

1.3 SUBMITTALS
   A. Submit product data under provisions of Section 01300.
   B. 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

2.1 HINGED COVER ENCLOSURES
   A. Construction: NEMA 250; steel; type as required to meet conditions of installation unless indicated
on the Drawings.
   B. Finish: Manufacturer's standard enamel finish.
   C. Covers: Continuous hinge, held closed by flush latch operable by key.
   D. Panel for Mounting Terminal Blocks or Electrical Components: 14 gage steel, enamel finish.

2.2 CABINETS
   A. Cabinet Boxes: Galvanized steel with removable end walls. Provide ¾” thick plywood backboard
   (exterior fir, type A/C, 7 ply) painted gray on all sides, for mounting terminal blocks.
   B. Cabinet Fronts: Steel, flush or surface type with screw cover front, concealed hinge and flush lock
   keyed to match branch circuit panel board; finish in baked enamel.

2.3 TERMINAL BLOCKS AND ACCESSORIES
   A. Terminal Blocks: ANSI/NEMA ICS 4; UL listed.
   B. Power Terminals: Unit construction type, closed-back type, with tubular pressure screw connectors,
rated 600 volts.
   C. Signal and Control Terminals: Modular construction type, channel mounted; tubular pressure screw
   connectors, rated 300 volts.

2.4 FABRICATION
   A. Shop assemble enclosures and cabinets housing terminal blocks or electrical components in
   accordance with ANSI/NEMA ICS 6.
   B. Provide knockouts on enclosures.
   C. Provide protective pocket inside front cover with schematic diagram, connection diagram, and layout
drawing of control wiring and components within enclosure.
PART 3  EXECUTION

3.1 INSTALLATION
   A. Install cabinets and enclosures plumb; anchor securely to wall and structural supports at each corner, minimum.
   B. Provide accessory feet for free-standing equipment enclosures.
   C. Install trim plumb.

END OF SECTION