

## Suggested Architect Specifications

**Model:**

The electric operator will be a Micanan Model PRO-GJ as manufactured by Micanan Systems Inc. Related work – Door preparation, miscellaneous or structural metal work, field electrical wiring, wire, conduit, fuses, and disconnect switches are in the scope of work of other division trades.

**Product:**

Supply Micanan Model PRO-GJ, medium-duty, worm gear jackshaft operator(s) available in 1/2HP, 1 Phase, or 3 phase.

**General:**

Provide CSA listed, UL 325 2010 tested and approved electric door operator assembly complete with electric motor and factory pre-wired motor controls, external entrapment device monitoring built in to control circuit. A Nema-1, 3-button OPEN/CLOSE/STOP control station and Micanan compatible monitored photocell shall be supplied as standard equipment. Conduit and wiring to motor and accessories required for proper operation by others.

**Electric Motor:**

Motor shall be 1/2 HP high starting torque, instant reversible 1050 RPM intermittent-duty, rated for up to 15 cycles per hour. Protected against overload by an internal automatic thermal overload device.

**Control Circuit:**

24V NEC Class 2 Circuit with a 40 VA transformer and fused controls to protect against short circuit enclosed in a Nema-1 enclosure

**Frame and Reduction:**

Speed reduction shall be worm gear 45:1 in-oil-bath gear reducer. Door drive shall utilize #41 roller chain and sprockets. Operator shall be capable of driving the door at a speed of approximately 8 to 10 inches/sec

**Emergency Operation:**

Equipped with a floor level emergency disconnect for manual operation.

**Limit Switches:**

Fully adjustable, rotary driven linear type limit switch mechanism shall synchronize the operator with the door. Low friction limit nuts fitted on threaded steel shaft, rotating on iolite self-lubricating bronze bushings. Motor shall be removeable without affecting limit settings.

**Execution:**

Install the motor operator in accordance with Micanan Systems instruction and standards and in compliance with applicable federal, state or local regulations.

**Warranty:**

Micanan Systems warrants that its operators shall be free of any defect in materials and workmanship for a period of 2 years.