PRO-LT SUGGESTED ARCHITECT SPECIFICATIONS

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

Products:
Supply Nice Model Pro-LT, medium-duty, belt drive trolley operator(s) rated 1/2 HP, 115 or 220 Volts, 1 Phase, 60 HZ; 220 Volts, 1 Phase, 50 HZ, or 380 Volts, 3 Phase 50 HZ.

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 Nice 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 internal automatic thermal overload device.

Control Circuit:
24V NEC class 2 Circuit with a 40VA transformer, fused controls to protect against short circuit, enclosed in Nema-1 enclosure.

Frame and Reduction:
Primary reduction will be heavy duty 4L V-belt, secondary reduction #41 roller chain and sprockets. Trolley rail drive chain shall utilize #410. All shafts shall be coated in black oxide for maximum corrosion resistance. Permanently lubricated and sealed ball bearings on all drive shafts. All drive sprockets drilled, pinned and set with locktite. Operator shall be capable of driving door at a speed of 9 inches per second.

Adjustable Clutch:
Operator shall be equipped with an adjustable friction clutch to prevent door and operator damage.

Emergency Disconnect:
Equipped with spring loaded quick release disconnect for manual operation.

Limit Switches:
Fully adjustable, rotary driven linear type limit switch mechanism shall synchronize the operator with the door. Low friction steel limit cams fitted on treaded steel shaft, rotating on oilite self-lubricating bronze bushings. The motor shall be removable without affecting the limit switch settings.

Trolley Assembly:
2"x2" galvanized 12 gauge steel right angle rails with quiet, long lasting cast aluminum trolley carriage c/w black oxide coated steel rail spacers.

Execution:
Install the motor operator in accordance with Nice Group Canada Inc. instruction and standards and in compliance with applicable federal, state or local regulations.

Warranty:
Nice Group Canada warrants that its operators shall be free of any defects in materials and workmanship for a period of 2 years.