# PRO-LJ SUGGESTED ARCHITECT SPECIFICATIONS

**Model:**
The electric operator will be a Nice Model PRO-LJ as manufactured by Nice Group Canada 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.

**Products:**
Supply Nice Model Pro-LJ, medium-duty, belt drive jackshaft 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, 60 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 control enclosure.

**Frame and Reduction:**
Primary speed reduction shall be heavy duty 4L V-belt, secondary reduction #41 roller chain and sprockets. Door shall utilize #41 roller chain and sprockets on final drive. 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 8" – 10" per second.

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

**Emergency Operation:**
Equipped with a floor level emergency disconnect with electrical cut-out switch for manual operation.

**Solenoid Brake:**
Electrically actuated drum type solenoid brake to stop the door and hold the door in position.

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

**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 Inc. warrants that its operators shall be free of any defects in materials and workmanship for a period of 2 years.