PRO-SD SUGGESTED ARCHITECT SPECIFICATIONS

Model:
The electric operator will be a Nice Model PRO-SD 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-SD, commercial duty, belt drive sliding door operator(s) available in 1/3, 1/2, 3/4 and 1 HP (1 or 3 phase).

General:
Provide CSA listed UL 325 2010 tested and approved electric door operator assembly of size and capacity recommended by door manufacturer. External entrapment device monitoring built in to control circuit. Complete with electric motor and factory pre-wired motor controls. Conduit and wiring to motor and accessories required for proper operation by others.

Electric Motor:
Motor shall be high starting torque, 1725 RPM continuous-duty, instant reversible, industrial-type, capacitor start (1-phase) protected by automatic thermal overload device (3-phase) or an external overload device (1-phase).

Motor Starter, Controls, Enclosures:
Motor control circuit shall incorporate the SMART 10.0 control logic board or an across the line magnetic reversing starter electrically and mechanically interlocked, motor controls shall be in a Nema-1 enclosure. Controls and control enclosure shall conform to ANSI/NEMA ICS 1, ICS 2, and ICS 6. A Nema-1 3 button control station OPEN/CLOSE/STOP and Nice compatible monitored photocells shall be provided as standard equipment.

Frame and Reduction:
Primary speed reduction shall be heavy-duty 5L V-belt and #41 chain and sprocket secondary. Door drive shall be #41 roller chain. All shafts are plated in black oxide for resistance to corrosion and permanently lubricated ball bearings on the output shaft. Operator shall be capable of driving the door at a speed of approximately 12 inches/sec.

Emergency Disconnect:
Equipped with emergency quick release disconnect for manual door operation.

Adjustable Clutch:
Equipped with an adjustable friction clutch to prevent door and operator damage.

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 oilite self-lubricating bronze bushings. The motor shall be removable without affecting the limit switch settings.

Trolley Assembly:
2″x 2″ galvanized gauge steel angle rails with heavy duty sliding door carriage, galvanized U-bracket rail spacers & door-mounted disconnect bracket as well as operator and track hanging supports.

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.