PRO-GSD SUGGESTED ARCHITECT SPECIFICATIONS

Model:
The electric operator will be a Nice Model PRO-GSD 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-GSD, commercial/industrial duty, worm gear sliding door operator(s) available in 1/2, 3/4, 1, 1.5 (1 or 3 phase).

General:
Provide CSA listed electric door operator assembly of size and capacity recommended by door manufacturer. Complete with electric motor and factory pre-wired motor controls, worm-gear reduction unit, solenoid operated brake. Conduit and wiring from control to motor and accessories required for proper operation by others.

Electric Motor:
1725 RPM continuous duty, instant reversible, industrial type, capacitor start (1-phase), external thermal overload protection device (3-phase) or an external reset 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 worm gear 20:1 oil-in bath gear reducer 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 bearing on the output shaft. Operator shall be capable of driving the door at a speed of approximately 8 inches/sec.

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

Adjustable Clutch:
Equipped with an adjustable in-line friction clutch to protect door and door operator.

Solenoid Brake:
Equipped with solenoid brake to stop the motor 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 limit nuts fitted on threaded steel shaft, rotating on oilite self-lubricating bronze bushings. The motor shall be removable without affecting limit settings.

Trolley Assembly & Sliding Door Hardware:
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.