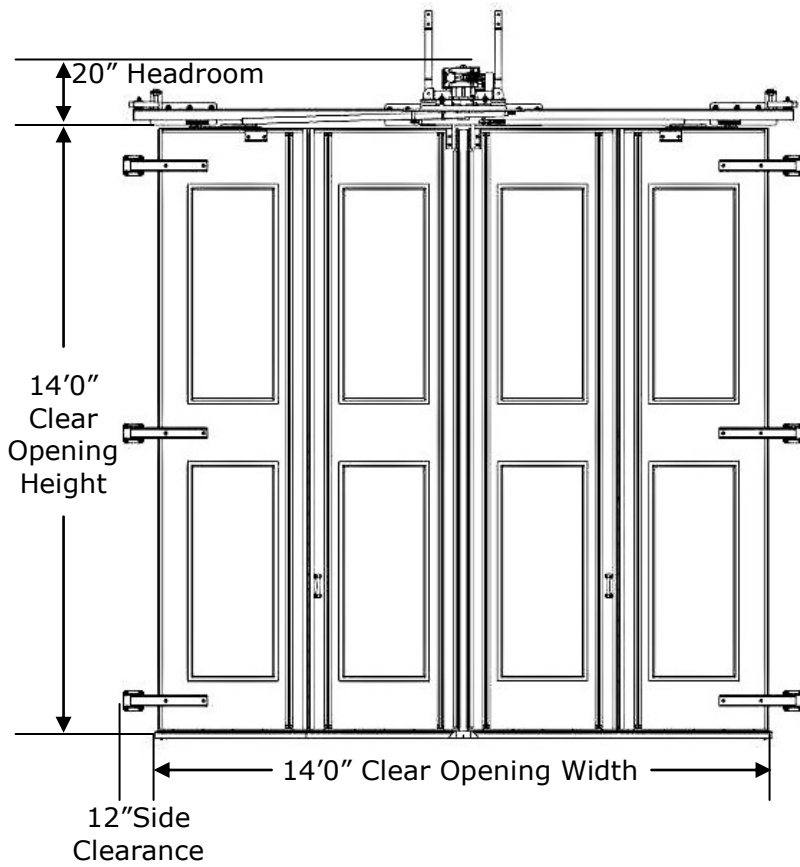
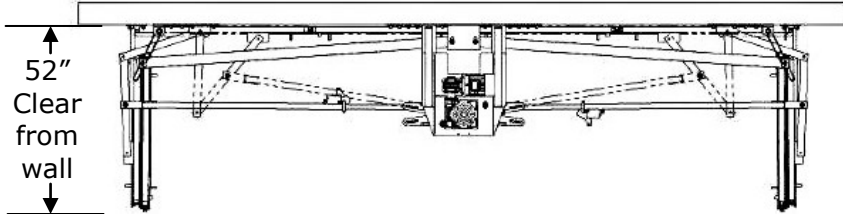


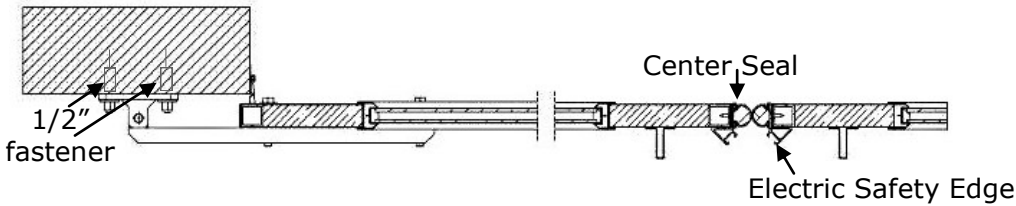
## Elevation View



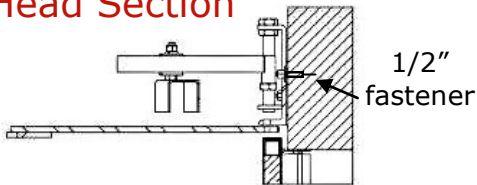
## Plan View



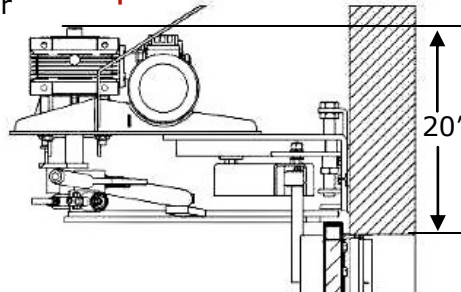
## Jamb Section



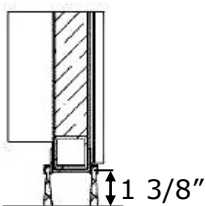
## Head Section



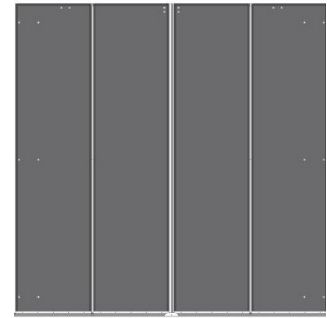
## Operator Section



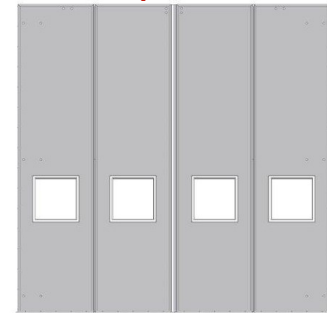
## Sill Section



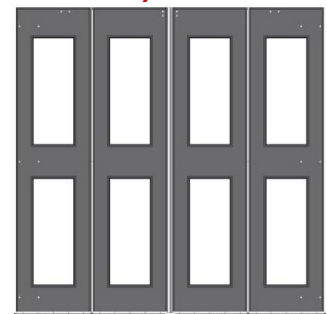
## Layout #1



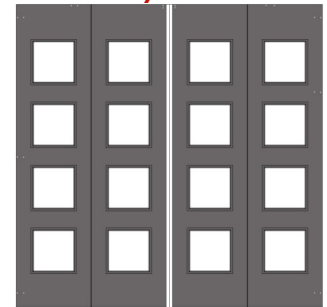
## Layout #2



## Layout #3



## Layout #4



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## A. Opening Requirements:

- Finished opening; 14'-0" x 14'-0".
- Opening Tolerances: +/- 3/8" on width and height
- Jambs must be plumb and square within 3/8".
- 12" sideroom required
- 20" headroom required (at operator)
- 52" clearance for in-swing
- Wall construction: Concrete/Steel/Wood (select one)

## B. Door Panels:

- 1 1/2" inches thick constructed from 11-gauge structural steel tubing.
- 18 gauge steel sheeting interior and exterior laminated to an extruded polystyrene core.
- Full Perimeter weatherseals.
- Electric safety edges on lead panels.

## C. Hardware:

- 11gauge top tracks with urethane coated trolley rollers
- Jamb hinges: designed to anchor, bolt or weld to jambs.
- Fold hinges: full height geared aluminum hinge.
- Concealed rollerbearings and grease zerks.
- Zinc plated fasteners.
- Galvanized pull handles.

## D. Glass (Choose from the following layouts):

- Layout #1: No Glass
- Layout #2: (4) 24"x24", 1" Insulated Glass: 1/4" tempered safety glass with 1/2" air-gap, Sungate 500 Low-e
- Layout #3: (8) 24"x60", 1" Insulated Glass: 1/4" tempered safety glass with 1/2" air-gap, Sungate 500 Low-e
- Layout #4: (16) 24"x24", 1" Insulated Glass: 1/4" tempered safety glass with 1/2" air-gap, Sungate 500 Low-e
- Includes all glazing frames, tapes, spacers and fasteners.
- Glass is crated and requires field installation.
- Caulk frames after doors are field finish painted.

## E. Operator:

- Overhead mounted, Electro-mechanical operator.
- Requires 20" of headroom.
- Electrical Requirement: 230 VAC, 60 Hz, 3 Phase .
- Motor: 3/4 HP TEFC (FLA=2.8 amps).
- Connecting rod disconnect for manual operation.
- Operator Speed: 24 inches per second (6.5 seconds to open)

## F. Controls:

- NEMA 12 control enclosure with disconnect
- (1) NEMA 4 pushbutton station, OPEN-CLOSE-STOP (field wired)
- (1) NEMA 4 Thru-beam photo eye mounted in single-gang plate. To be mounted on exterior side of door. (field wired)
- Programmable Close timer
- Includes inputs for radio receivers (radio receivers and transmitters to be coordinated with installer)

## G. Finish:

- All steel is prime painted with a universal red structural steel primer.

## H. Warranty:

- Manufacturer's standard **3 year** limited warranty.



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**DOOR**  
ENGINEERING  
AND MANUFACTURING