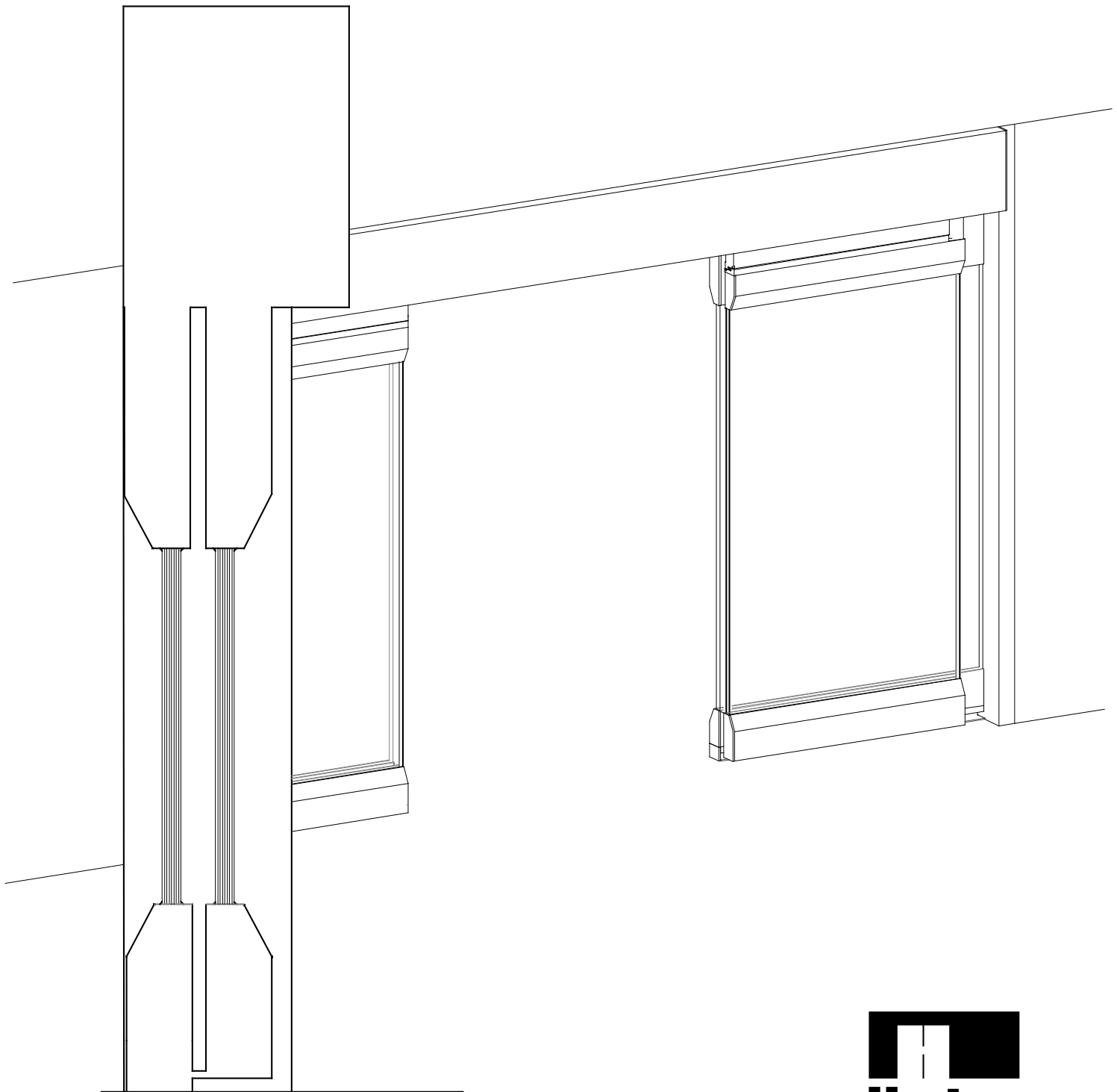


Type 2500 Elegant™

Series 2001 Belt Drive All Glass Slide Door

INSTALLATION INSTRUCTIONS

To be used with H202 C2150 Ver.2 Control Setup Instructions



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- 1. Instructions to installer..... G205.1
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- 13. Decal application.....G205.6

TYPE 2500 ELEGANT™ SERIES 2001 BELT DRIVE ALL GLASS SLIDING DOOR INSTALLATION INSTRUCTIONS

1. INSTRUCTIONS TO INSTALLER

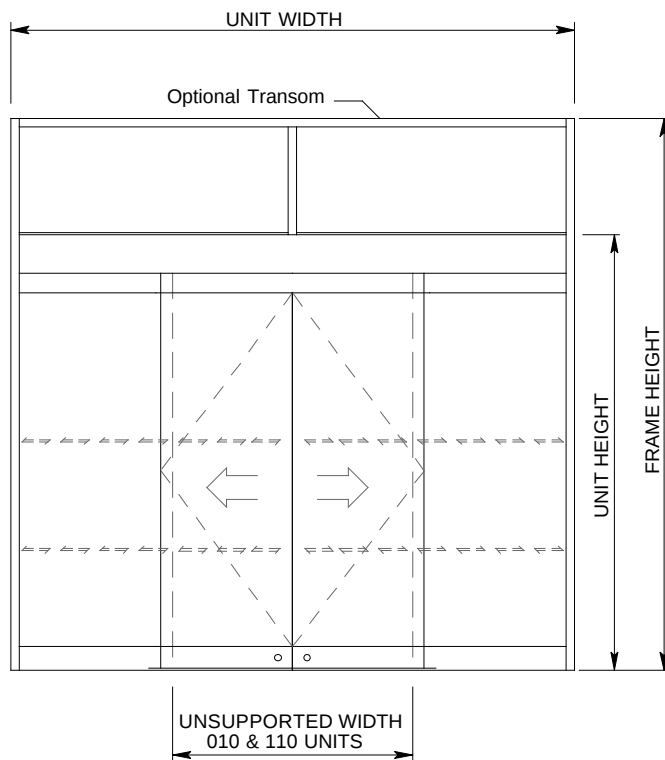
- This door is to be installed by a trained and experienced installer with knowledge of local codes and ANSI A156.10 standards for power operated doors.
- To ensure safe and proper operation, the door must be installed and adjusted to conform to Horton Automatics recommendations, all code requirements and ANSI A156.10.
- If there are any questions about these instructions, call Horton Automatics Technical Assistance.

INFORMATION TO BE PROVIDED BY THE DISTRIBUTOR TO THE OWNER

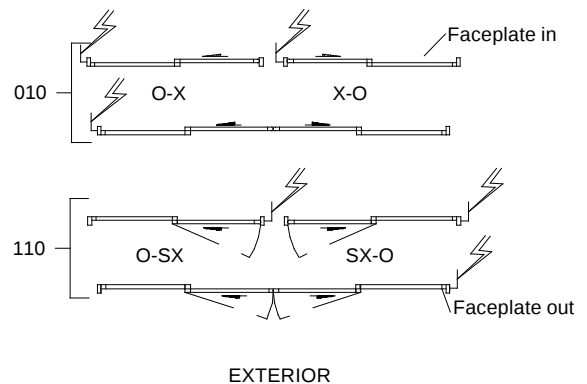
- After installation instruct the owner on the safe operation of the door.
- Present the Owners Manual M300 and explain how to perform the daily safety check.
- Location of power on / off switch.
- Necessary warnings not covered in these general instructions.
- Date equipment shipped from Horton Automatics.
- Date equipment placed in service.
- Horton Automatics' invoice number for warranty reference.
- Equipment type.
- Accessories included.
- Phone number to call regarding problems or request for service.
- **Give caution** to owner: if a potentially hazardous situation is suspected, the door should be taken out of automatic service until a professional inspection is made and the problem is corrected.

2. GENERAL REQUIREMENTS

- Power: 120 VAC, 60Hz, 15 Amp service (in conduit) to the "J" box inside the header of each unit.
- Non North American voltages can be 240 VAC, if so be sure the operator has a 240VAC power supply.
- Power may be brought in through the top of the jamb on perimeter mount units or in through the back of surface mount units.
- For remote switch locations, routing of low voltage class II wiring (in conduit) to the operator controls will be required.
- Remote switch locations should be predetermined and wired before installation begins.
- Opening size should be 1/4" taller and 1/2" wider than the unit / frame.
- The opening must be plumb and level, including the threshold area.



POWER INPUT LOCATIONS



Viewed from the faceplate side,
the power input location is on the right.

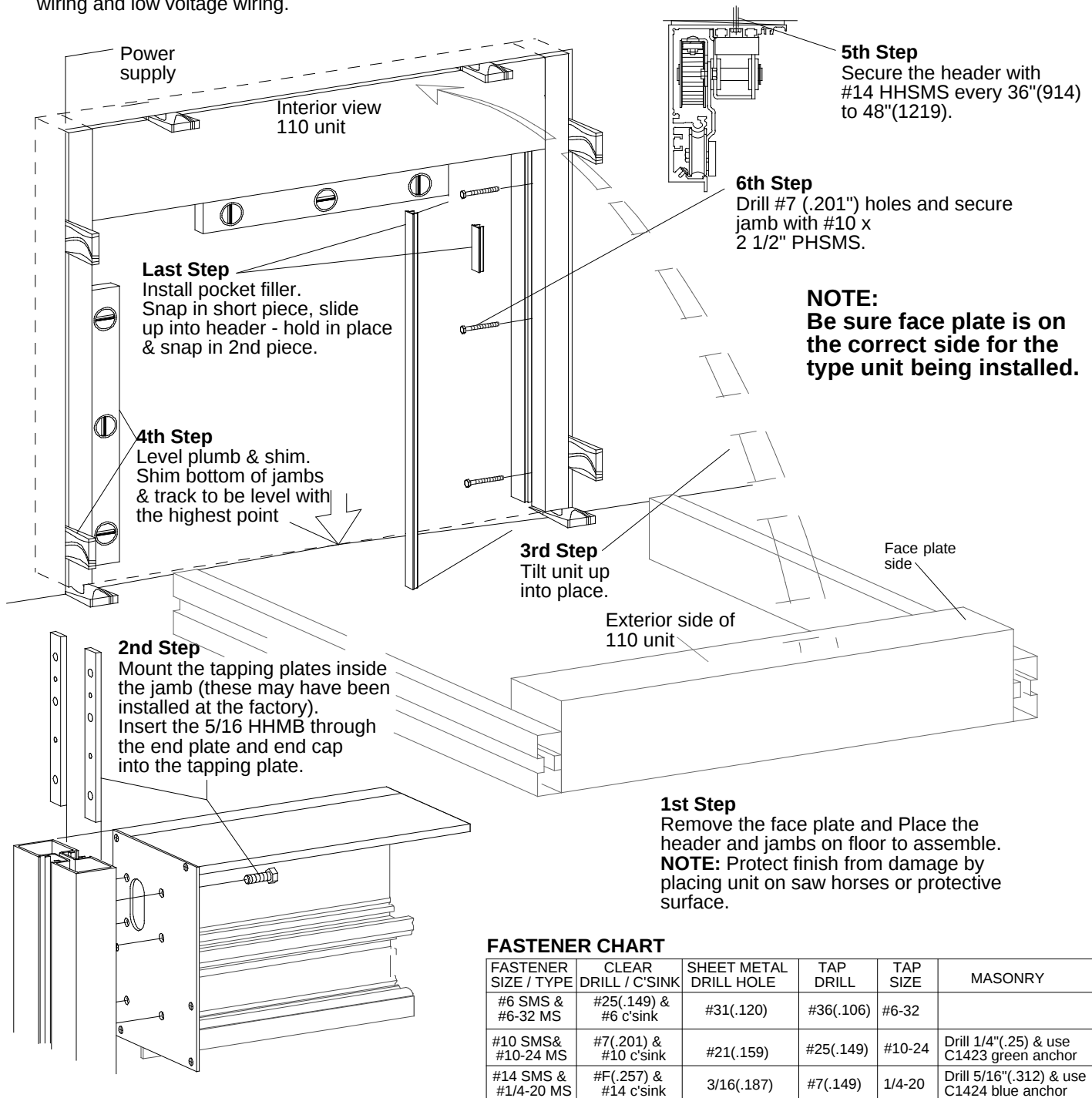
LOAD LIMITS & SIZES OF UNSUPPORTED TRANSOMS

Unsupported Width	Allowable Transom Weight
up to 8'	800 Lb.

Supporting dead weight on a headers longer than 12' is not recommended.

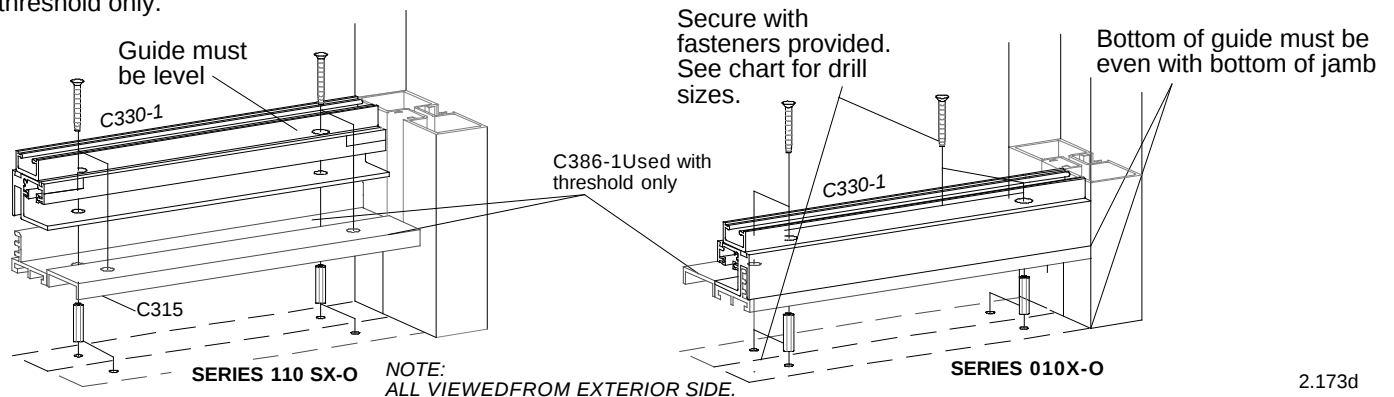
3. INSTALLING FRAME

Take care that the frame is not racked. Wood shingles will be needed to shim the unit. All the fasteners shown below are provided with each unit. If these are inappropriate, alternate fasteners are shown in the fastener chart. Route power supply wiring and low voltage wiring.

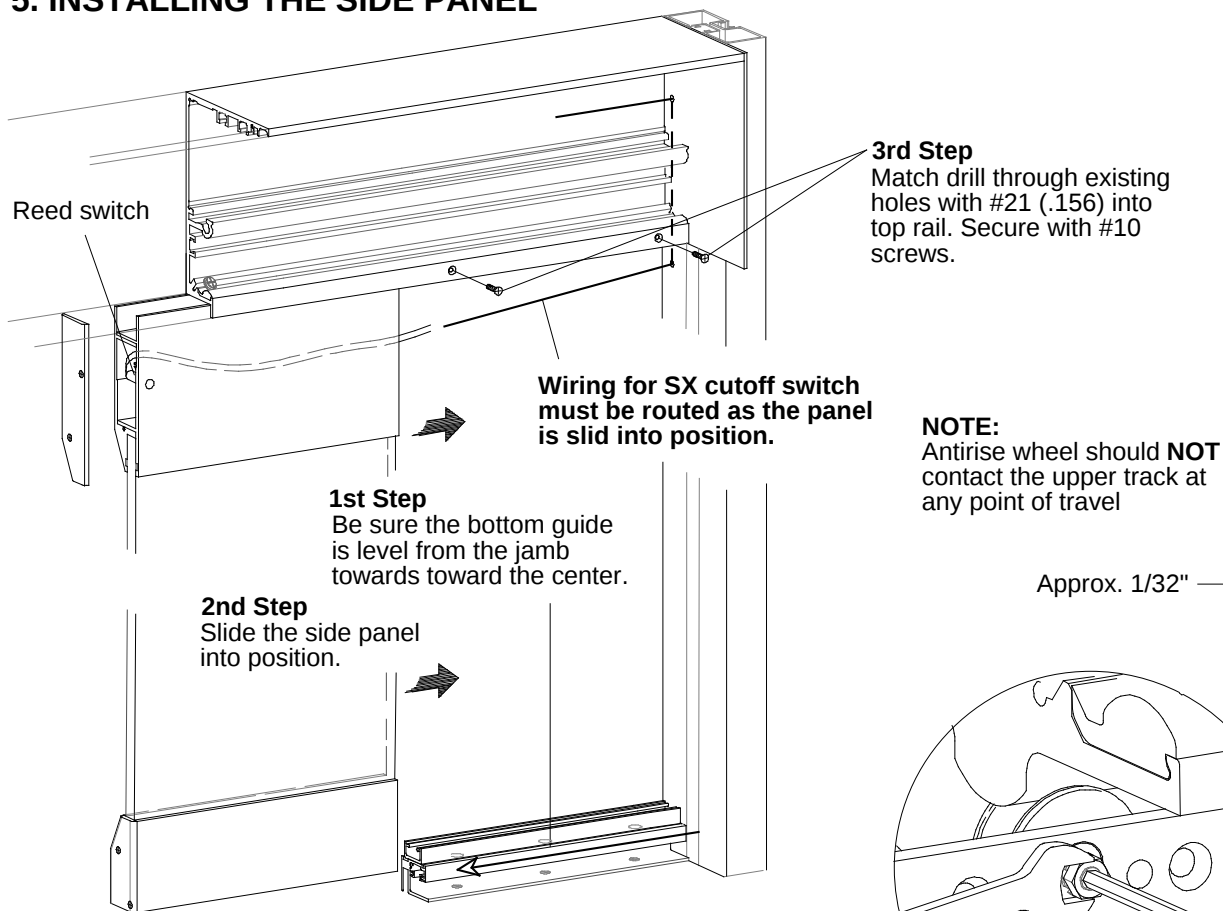


4. INSTALLING FLOOR GUIDES

Bottom guides will vary with the unit type. The 3 basic types are shown below. The C315 / C386-1 filler is used with threshold only.

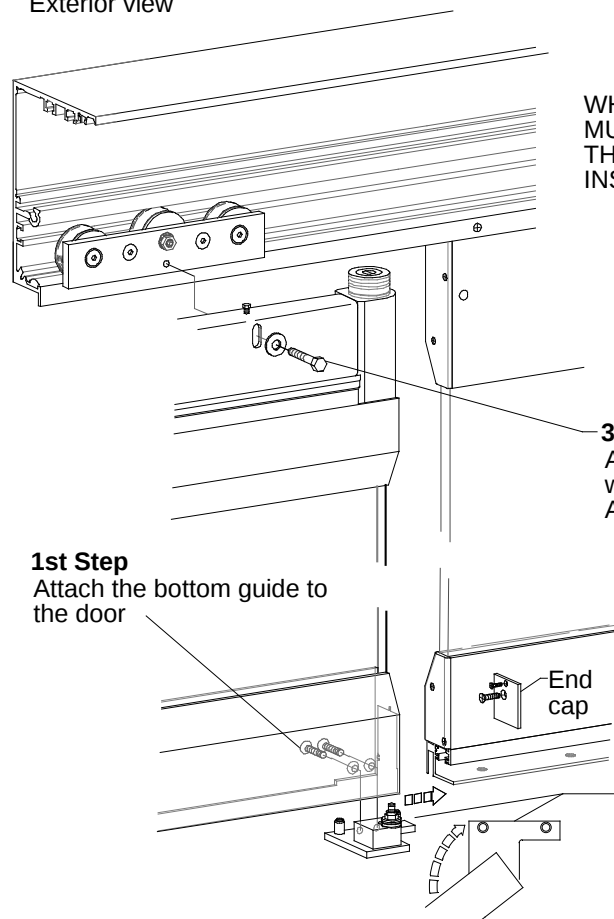


5. INSTALLING THE SIDE PANEL



6. INSTALLING THE SLIDE PANEL

SX-O
Exterior view



X-O
Exterior view

WHEEL CARRIAGE ANTI-RISE MUST BE ADJUSTED AFTER THE DOOR PANELS ARE INSTALLED

3rd Step
Attach the hanger to the wheel carriage. Adjust height as required.

2nd Step
Slide the bottom guide into the track. The panel may need to be angled to start the pins into the guide.

Anti-rise wheel adjustment
Loosen 5/16" nut. Rotate allen wrench to raise or lower anti-rise wheel to proper position. Re-tighten nut.

7. DOOR LOCKS

Locks come installed on the slide panels. Drill a 1/2" hole in the threshold or the floor at the location of the lockbolt.

8. AUTOMATIC LOCKING (OPTIONAL)

The Fail Safe and Fail Secure Autolocks will only inhibit the slide action of the door not the "swing" or breakout action. See section 8 for standard locking. Autolocks are installed at the factory. Retrofit units will be supplied with instructions.

GENERAL AUTOLOCK OPERATION

- Open signal is received by control (C2150)
- Unlock signal is sent to Autolock
- Solenoid retracts lockbolt
- Door opens and closes
- Solenoid extends the lockbolt when door is fully closed and the keeper is in locked position
- Door (slide motion only) is locked

C3976 Fail Secure

(If power fails door will remain locked)

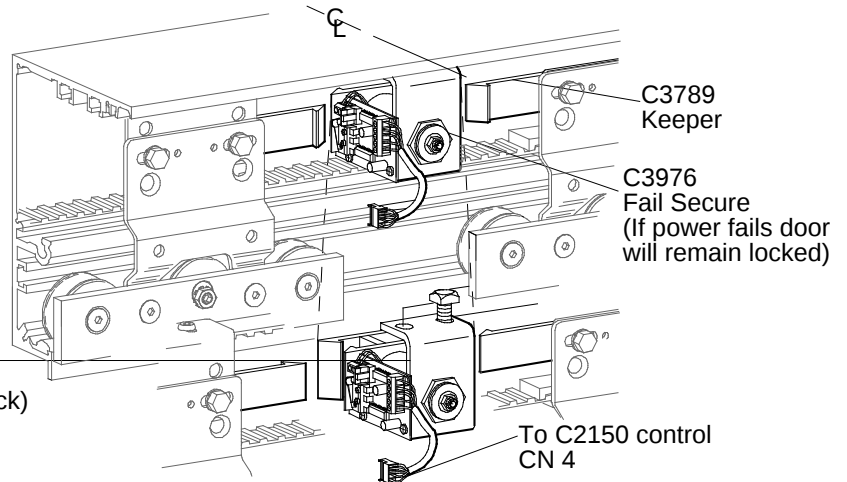
C3977 Fail Safe

(If power fails door will unlock)

C3977

Fail Safe

(If power fails door will unlock)



9. ACTIVATING DEVICES

- Activating switches must be located where door operation may be observed by the person actuating it.
- ANSI standard requires a motion detector be placed on each side of the door and be active while the door is open (except the last 6" 150mm of closing). The detector pattern may be reduced to 24" (610) on the control side for one-way traffic.
- Mount sensors on the door header or above at a height of 7ft (2134) to 8ft (2438) from the floor. Sensitivity and detection area may not meet ANSI standards if detector is placed higher.
- Walk test the pattern from various angles and speeds.
- Adjust the sensitivity and pattern of the motion sensor as per ANSI A156.10 See drawing below for pattern and location.
- See instructions supplied with the sensor.

NOTE: Never decrease the sensitivity or pattern so it will not detect slow moving traffic.

- The motion detector time delay should be set to a minimum of two seconds cumulative with C2150 control before the door begins to close. Three seconds or more is recommended by Horton Automatics.

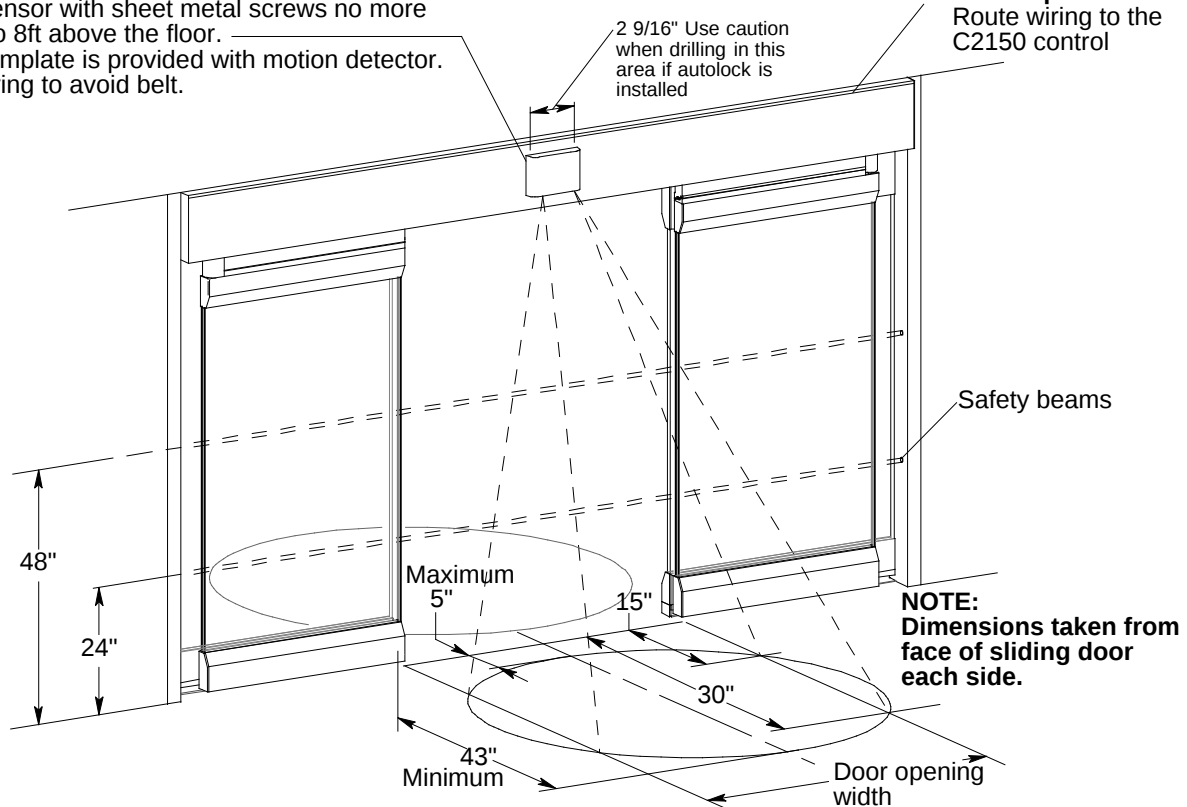
10. MOTION SENSOR PREP

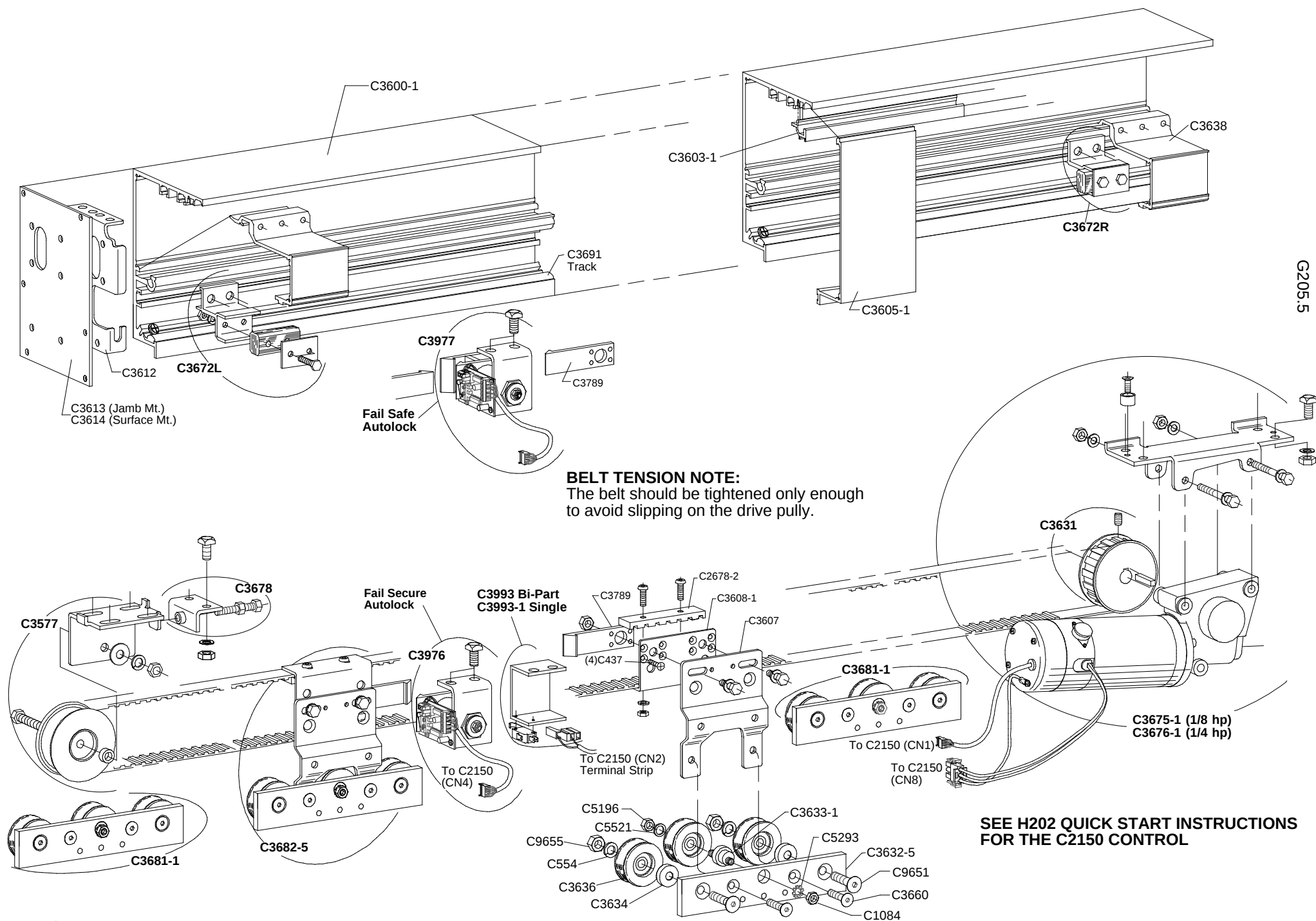
1st Step

Drill hole in faceplate for wiring and mount motion sensor with sheet metal screws no more than 7ft to 8ft above the floor. Drilling template is provided with motion detector. Route wiring to avoid belt.

2nd Step

Route wiring to the C2150 control





G205.5

12. SAFETY CONSIDERATIONS

To comply with Underwriters' Laboratories Safety Requirements (UL 325), ANSI A156.10 and pedestrian safety, horizontal sliding doors must be adjusted within the following requirements and guidelines.

CLOSING SPEED

- At no time should the door close faster than 1ft per second or close completely in less than 3 seconds for door panels weighing up to and including 160 lbs 73kg.

CLOSING FORCE

- The force required to stop the door should not exceed 30 foot pounds (133N).

REVERSING

- The reversing circuit of the C2150 must be adjusted to reverse when a maximum force of 28 foot pounds (38N) is exerted to prevent the door from closing.

TIME DELAY

- The time before closing should never be less than 2 seconds. 3 seconds or more (after activating zone is clear) is recommended by Horton Automatics.

For set-up and trouble-shooting

SEE HORTON PUBLICATION H202 FIELD QUICK START INSTRUCTIONS.

NOTE: After adjustments are completed be sure the faceplate is secured with screws into the support brackets.

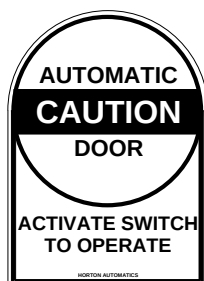
THRESHOLD PROTECTION

- All sliding doors should be installed with a minimum of two presence detectors in the threshold area. Horton Automatics sliding doors are supplied with dual safety beams.
- Motion detectors must be set up as per section 9.

13. DECAL APPLICATION

C7280

Place on entry side of slide panels on doors using pushbutton entry To meet knowing act ANSI standard.



C1630-2

For 2-way traffic place one on each sliding panel.
For 1-way traffic use C1631-3 (sent with unit)



C1631-3

For 1-way traffic place the side shown toward control side of door.



C1690-1

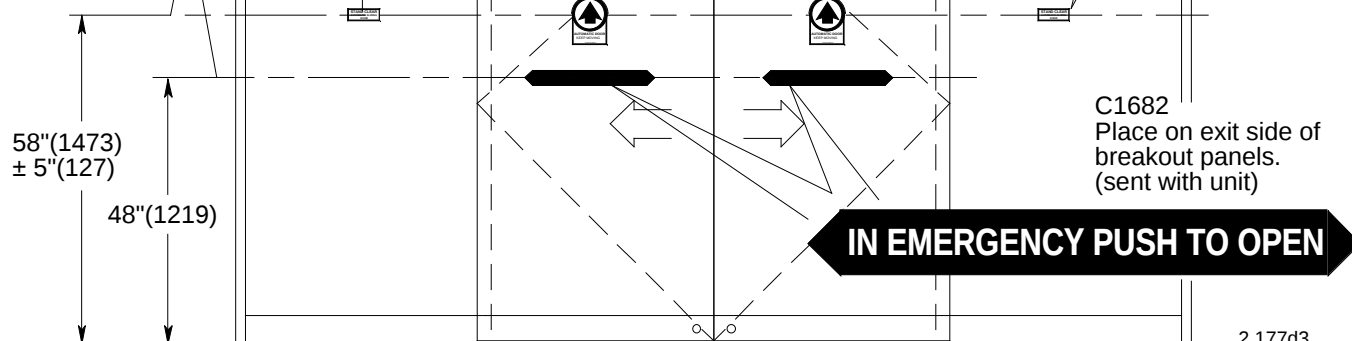
Daily safety check.
Place near on / off switch at eye level.

C1634

Place on sidelites.
(sent with unit)



Locate decals on the center line of each panel at elevation shown.



2.177d3



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Horton Automatics reserves the right to improve the product and change its specifications without notice.