Styleline Automatic Beer Cave (ABC) Door Installation Manual
Supplement to Horton Manual

Identifying Door Model

Identification labels for STYLELINE doors by Commercial Refrigerator Door Co. are located on the right side of the header. This label contains the serial number, model number and heater amps.

1. Jamb Wire Connection

a. Insert the heater wires, located inside the jambs, through the lower snap bushing located on the sides of the header. See Horton manual for jamb attachment to header.

b. Connect jamb heater wire pig tails to female bullet connectors attached to top of header. (Connections should follow the same color wire). NOTE: For reference follow the header top view drawing in step 2.

   CAUTION: Heater circuit for the side lites, header, slider doors and jambs MUST be separate from the actuator system circuit. This circuit must always be energized when the refrigeration system is energized.
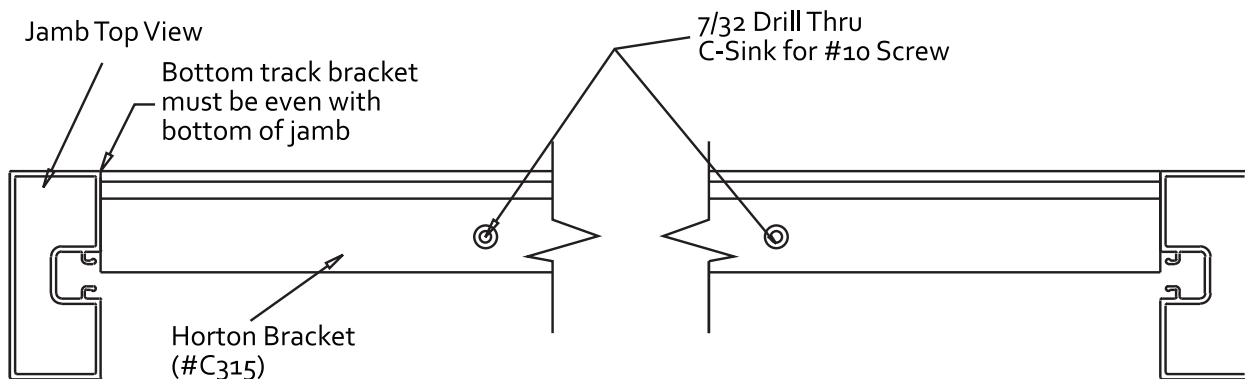

Male bullet connectors (pig tails)

Jamb   Header

Female bullet connectors
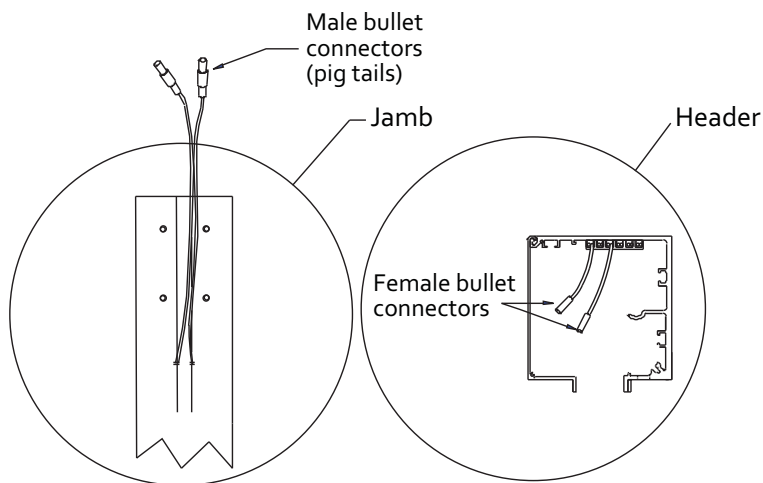
2. Side Lite Installation (after jamb/header assembly is secured to opening)

Mounting Bottom Bracket

a. Check that guide bracket (Horton part # C330-1) is mounted to side lite.

b. Trace a line from back end of one jamb to next.

c. Fasten bottom track bracket (Horton part # C315) to floor, locating the rear edge even with jamb. Line up back side of bracket with line traced on floor.
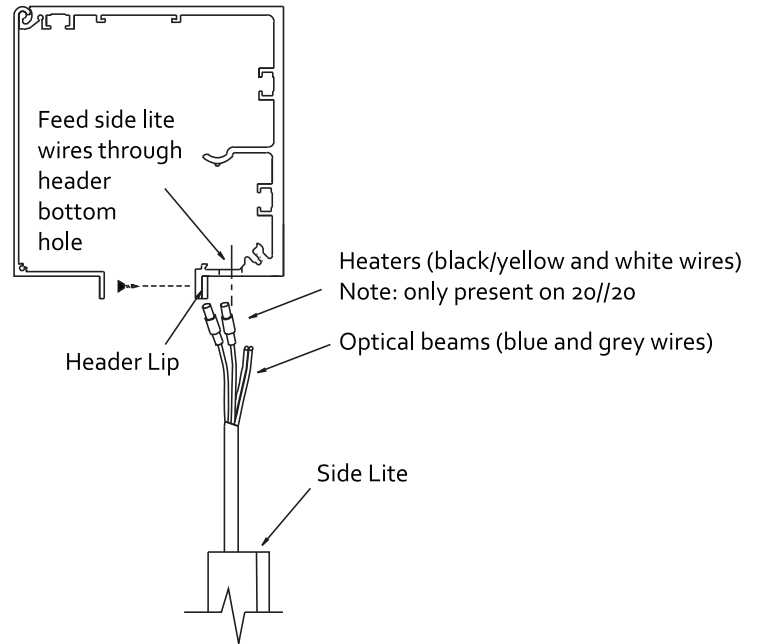
d. Set guide bracket on bottom track bracket (do not fully insert).

Jamb Top View

Bottom track bracket must be even with bottom of jamb

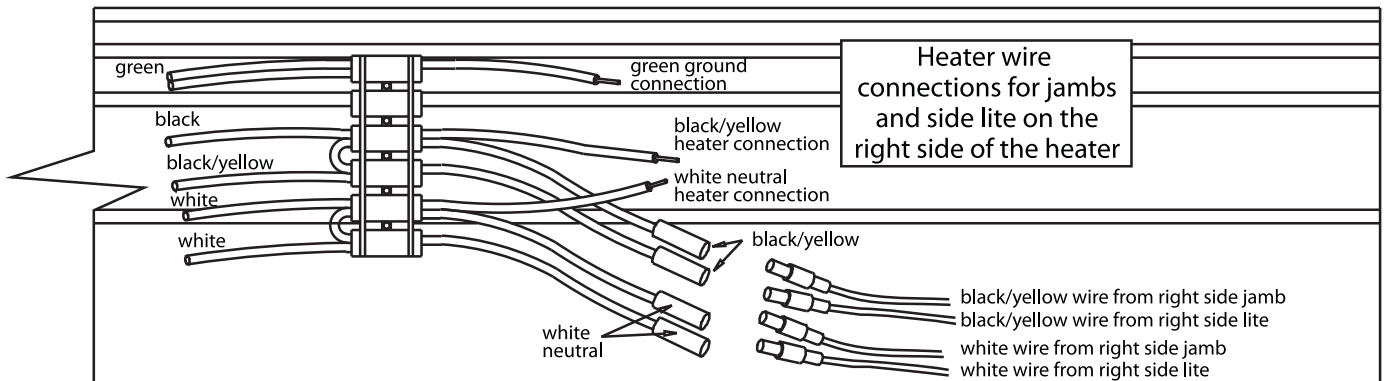7/32 Drill Thru
C-Sink for #10 Screw

Horton Bracket (#C315)

3. Side Lite Wire Connections

a. Feed wires coming from the top of the side lite through the snap bushing located on the bottom of the header. (NOTE: Normal temp systems only have heat in the header and jambs, while 20//20 also provides heat to the side lites and slider doors).

b. Position side lite into place while pulling wires from the header until the side lite front surface touches the back of the header lip.

c. Clamp side lite against header lip.

d. Install #8-18 side lite screws through holes in header lip drilling into the side lite(s) and tighten.

e. From the back side of the assembly caulk in-between the side lite and jamb.

f. Connect the heater wire pig tails to the female bullet connectors inside the header. (Connections should follow the same color wire). Normal temp systems do not have side lite heater connections.
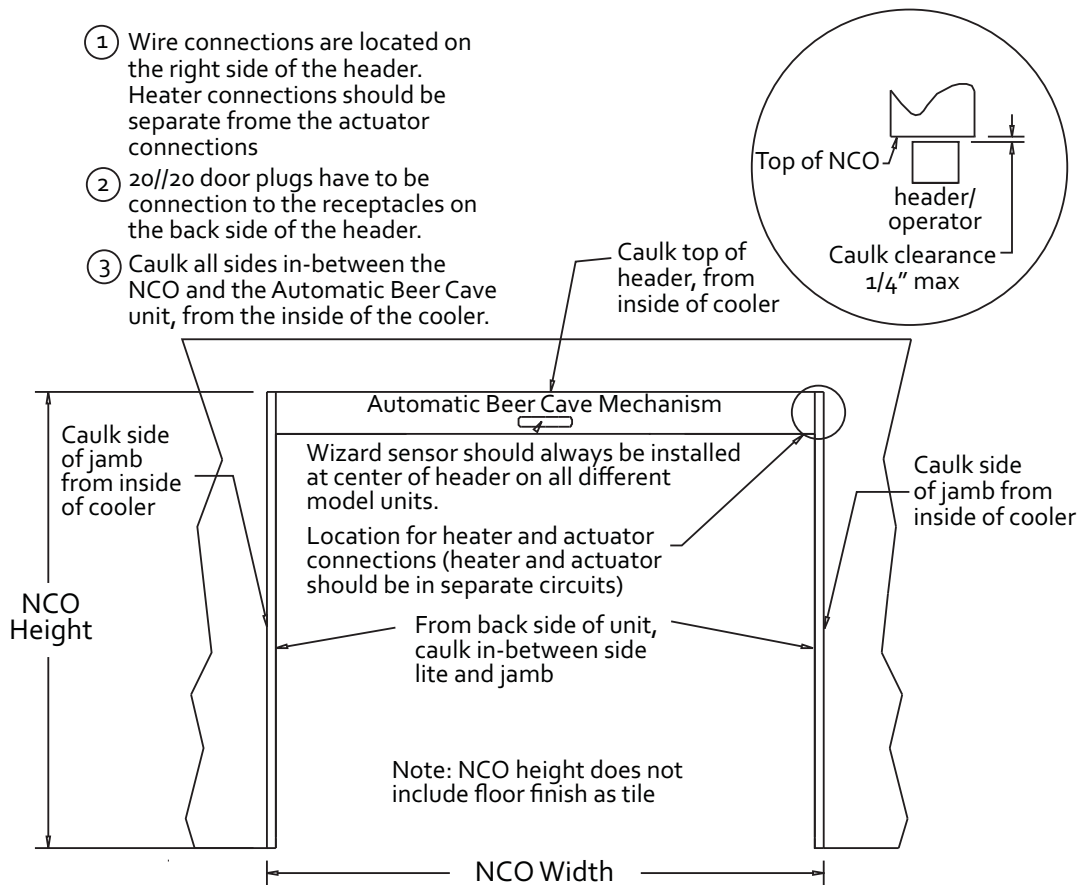
Feed side lite wires through header bottom hole

Header Lip

Heaters (black/yellow and white wires)
Note: only present on 20//20

Optical beams (blue and grey wires)

Side Lite

HEADER TOP VIEW

green

green ground connection

black

black/yellow

white

white

black/yellow heater connection

white neutral heater connection

black/yellow

white neutral

Heater wire connections for jambs and side lite on the right side of the heater

black/yellow wire from right side jamb
black/yellow wire from right side lite
white wire from right side jamb
white wire from right side lite

g. Connect Optical beam wires to the amplifier (follow Horton Installation Instructions).

h. For two doors, the same connections are made in both sides of the header except the power connections which will always be located at the right side of the header.

i. In case of an emergency, the side lites do not push open as the Horton doors, instead the header system provides a fly open box control which will automatically open the doors if there is any power outage.

4. Power Connection to Header and Perimeter Caulk

① Wire connections are located on the right side of the header. Heater connections should be separate frome the actuator connections

② 20//20 door plugs have to be connection to the receptacles on the back side of the header.

③ Caulk all sides in-between the NCO and the Automatic Beer Cave unit, from the inside of the cooler.

Top of NCO

header/ operator

Caulk clearance 1/4" max

Caulk top of header, from inside of cooler

Caulk side of jamb from inside of cooler

Caulk side of jamb from inside of cooler

Automatic Beer Cave Mechanism

Wizard sensor should always be installed at center of header on all different model units.

Location for heater and actuator connections (heater and actuator should be in separate circuits)

From back side of unit, caulk in-between side lite and jamb

Note: NCO height does not include floor finish as tile

NCO Height

NCO Width

ABC Doors Electrical Specs & NCO						
	20//20			Normal Temp System		
Size (in)	120	108	78	120	108	78
Voltage (V)	120	120	120	120	120	120
Heater (A)	8.74	8.00	5.80	2.98	2.66	2.32
Actuator (A)	3.50	3.50	3.50	3.50	3.50	3.50
Width (in)	120.25	108.25	78.25	120.25	108.25	78.25
Height (in)	90.25	90.25	90.25	90.25	90.25	90.25

Caulking between jamb and side lite:

Jamb

Heater

Side Lite

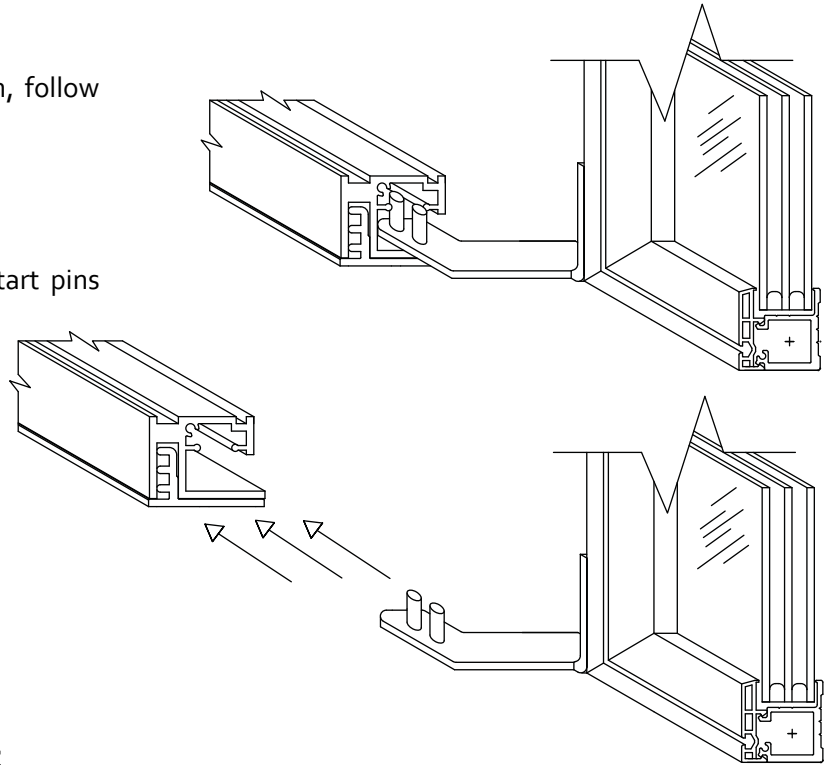From the back of ABC door, caulk in-between side lite and jamb
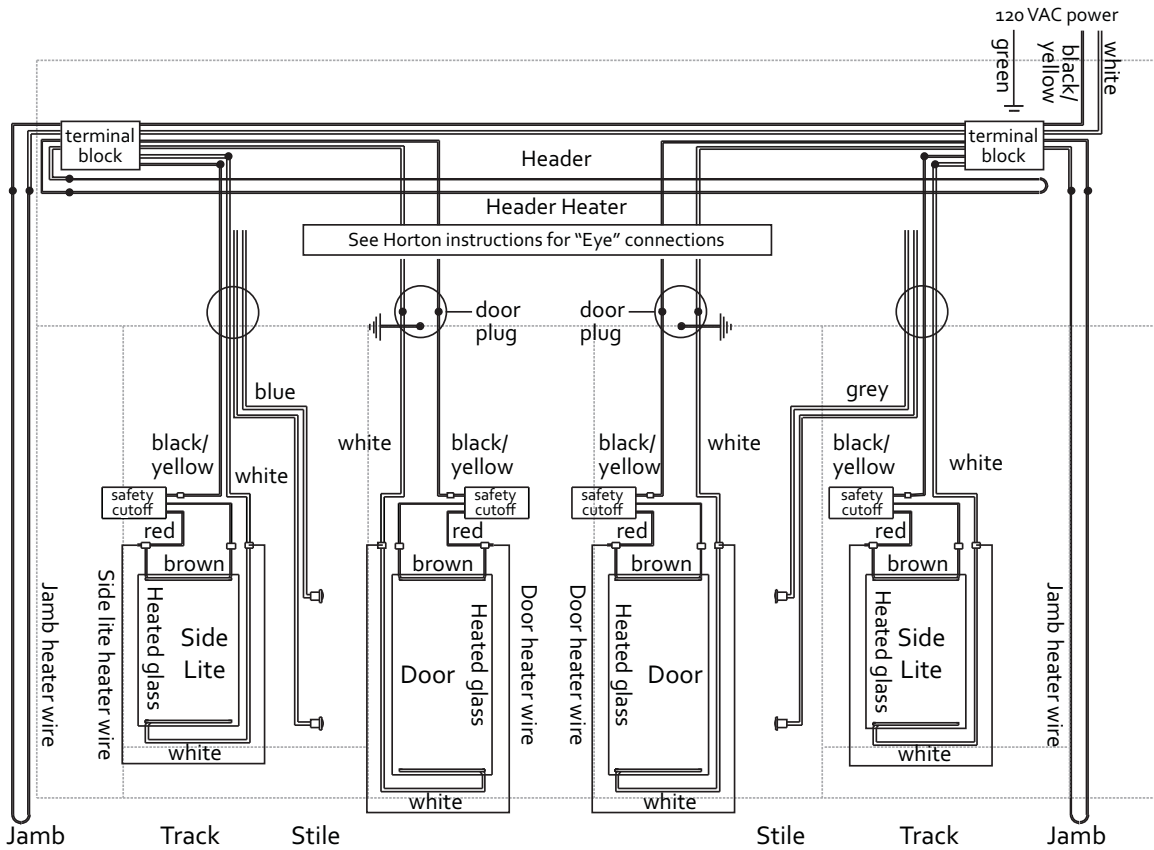
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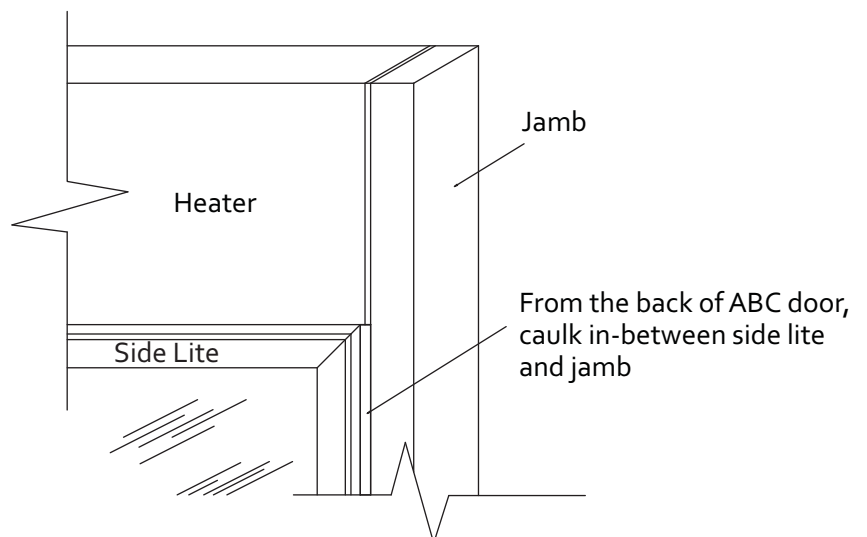
5. Slider Door Installation

For wheel carriage and hanger installation, follow Horton installation manual.

a. Remove end cap from bottom bracket

b. Slide bottom guide into track.

c. The panel may need to be angle to start pins into the guide.
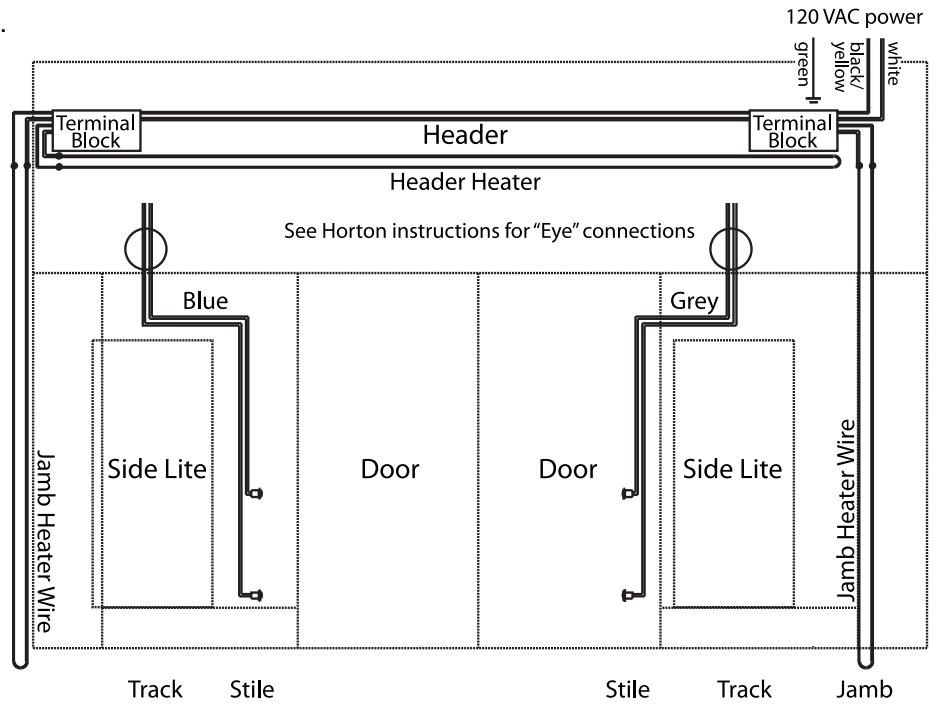
d. Reattach end cap.

6. Four Door 20//20 Wire Schematic

Attention: Heater circuit MUST be separate from the actuator system circuit. Heaters must be energized when refrigeration is on.
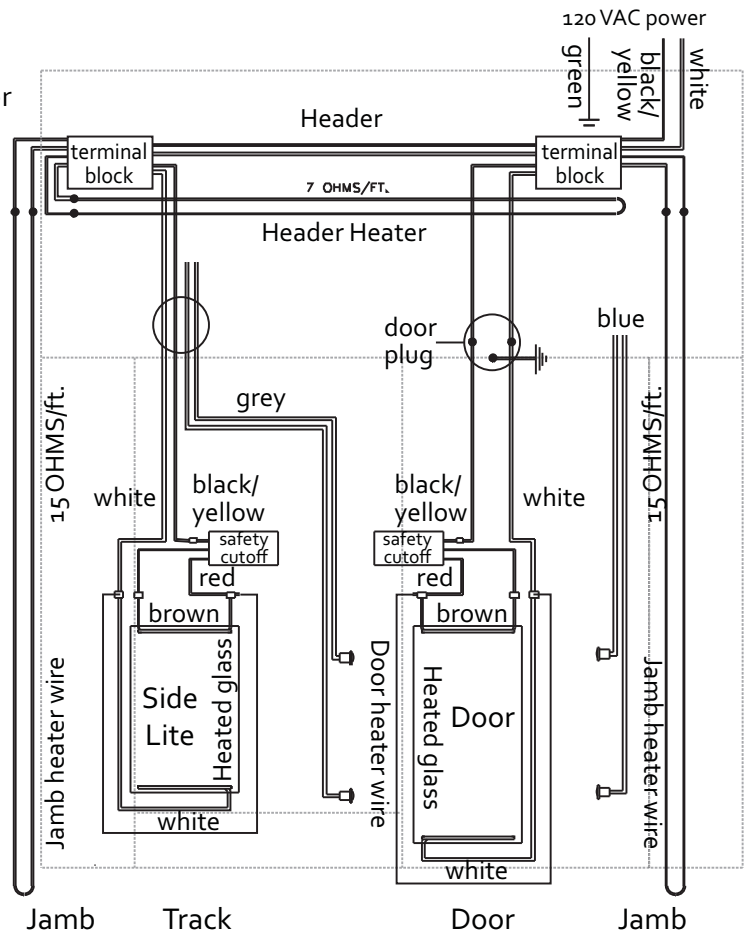
7. Four Door Normal Temp Wire Schematic

Attention: Heater circuit MUST be separate from the actuator system circuit. Heaters must be energized when refrigeration is on.

120 VAC power

green
black/yellow
white

Terminal Block

Header

Terminal Block

Header Heater

See Horton instructions for "Eye" connections

Blue

Grey

Jamb Heater Wire

Side Lite

Door

Door

Side Lite

Jamb Heater Wire

Track   Stile

Stile   Track   Jamb

8. Two Door 20//20 Wire Schematic

Attention: Heater circuit MUST be separate from the actuator system circuit. Heaters must be energized when refrigeration is on.

Note: Motion sensor should be mounted on center of header, NOT center of door opening.

120 VAC power

green
black/yellow
white

Header

terminal block

terminal block

7 OHMS/FT.

Header Heater

door plug

blue

15 OHMS/ft.

grey

white

black/yellow

black/yellow

white

15 OHMS/ft.

safety cutoff

safety cutoff

red

red

brown

brown

Jamb heater wire

Side Lite

Heated glass

Door heater wire

Door

Heated glass

Jamb heater wire

white

white

white

Jamb   Track

Door   Jamb   5

9. Two Door Normal Temp Wire Schematic

Attention: Heater circuit MUST be separate from the actuator system circuit. Heaters must be energized when refrigeration is on.

Note: Motion sensor should be mounted on center of header, NOT center of door opening.

120 VAC power

green

black/yellow

white

Header

terminal block

7 OHMS/ft.

terminal block

Header Heater

blue

15 OHMS/ft.

Jamb heater wire

grey

15 OHMS/ft.

Jamb heater wire

Side Lite

Door

Jamb

Track

Jamb