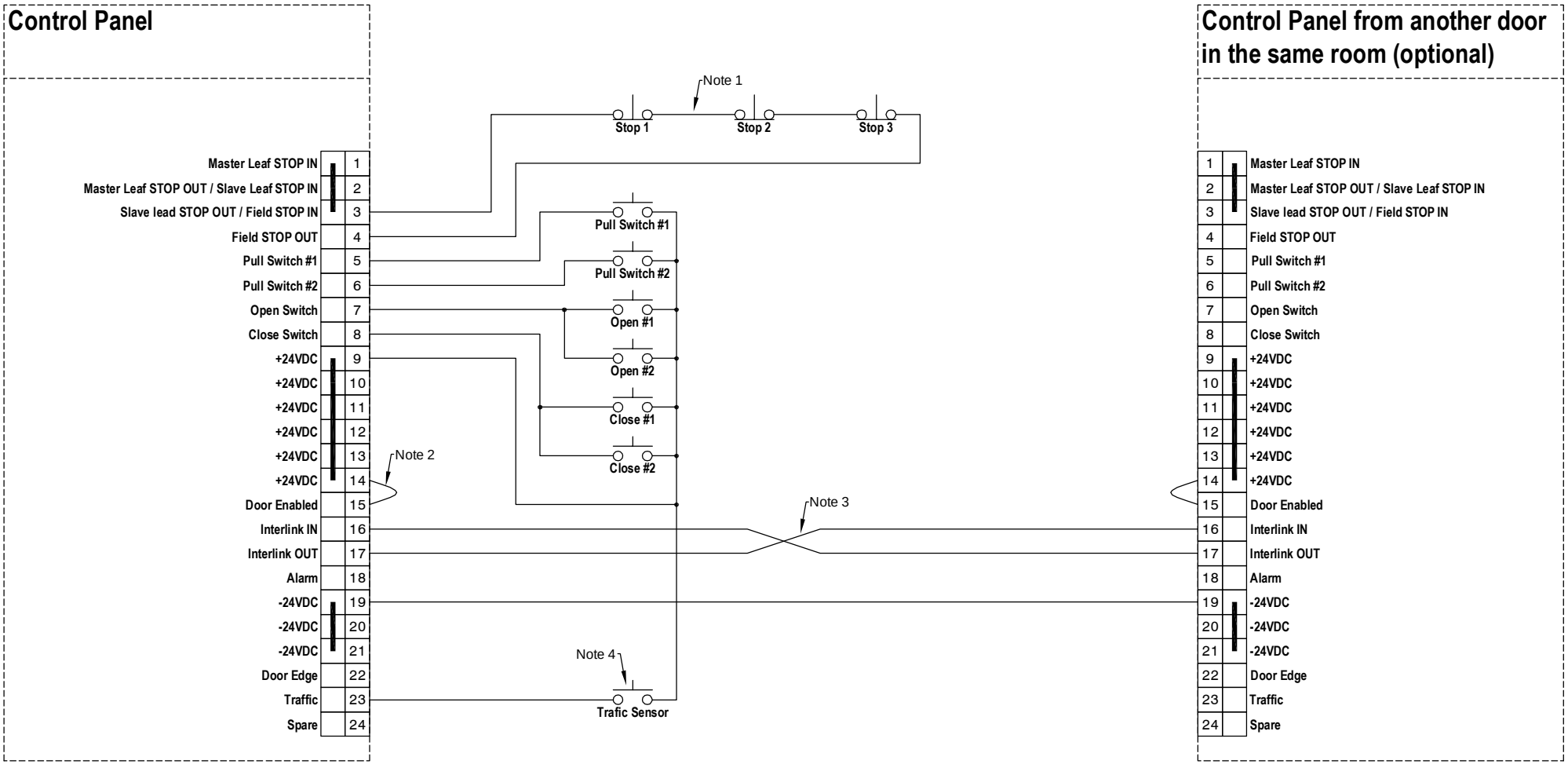
Horizontal Sliding Doors (ICC-5 Operator) - Wiring Diagrams

Release Date: 05/16/2019

External Wiring

Internal Wiring

Special Applications



NOTES:

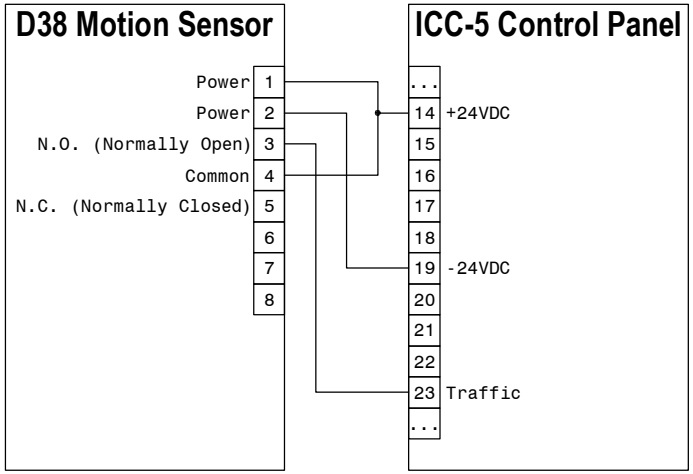
1-When using Stop switches, remove/cut jumper located over control panel terminal blocks 3 and 4

2-Remove cable jumper located between control panel terminal blocks 14 and 15 to use the Door Enable signal.

3-Only (2) doors can be interlinked together. External relays by others must be used to interlock more than (2) doors. -24VDC connection is required between both control panels.

4-Traffic sensor may be a photo-eye, a magnetic loop, a motion sensor, etc. Sensor must have a normaly open dry contact. Sensors provided by R-Plus Doors may be powered using 24VDC power available in control panel.

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.



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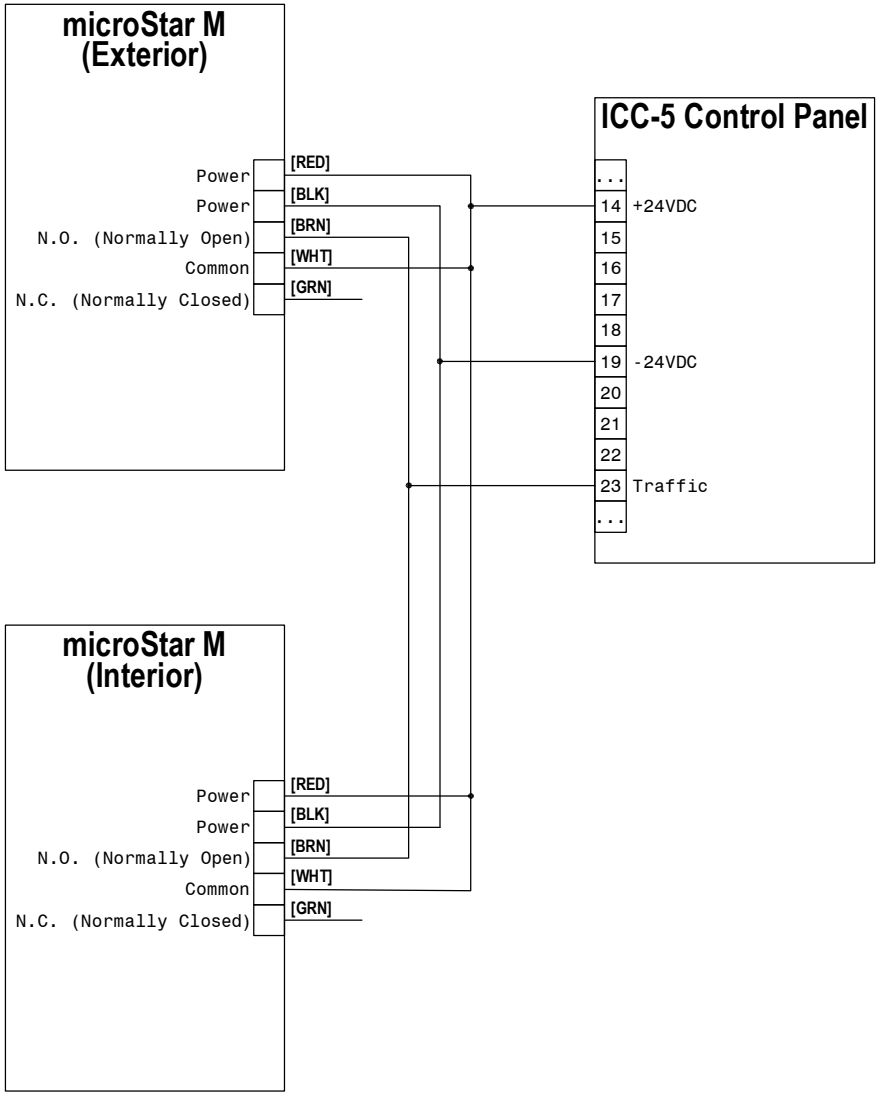

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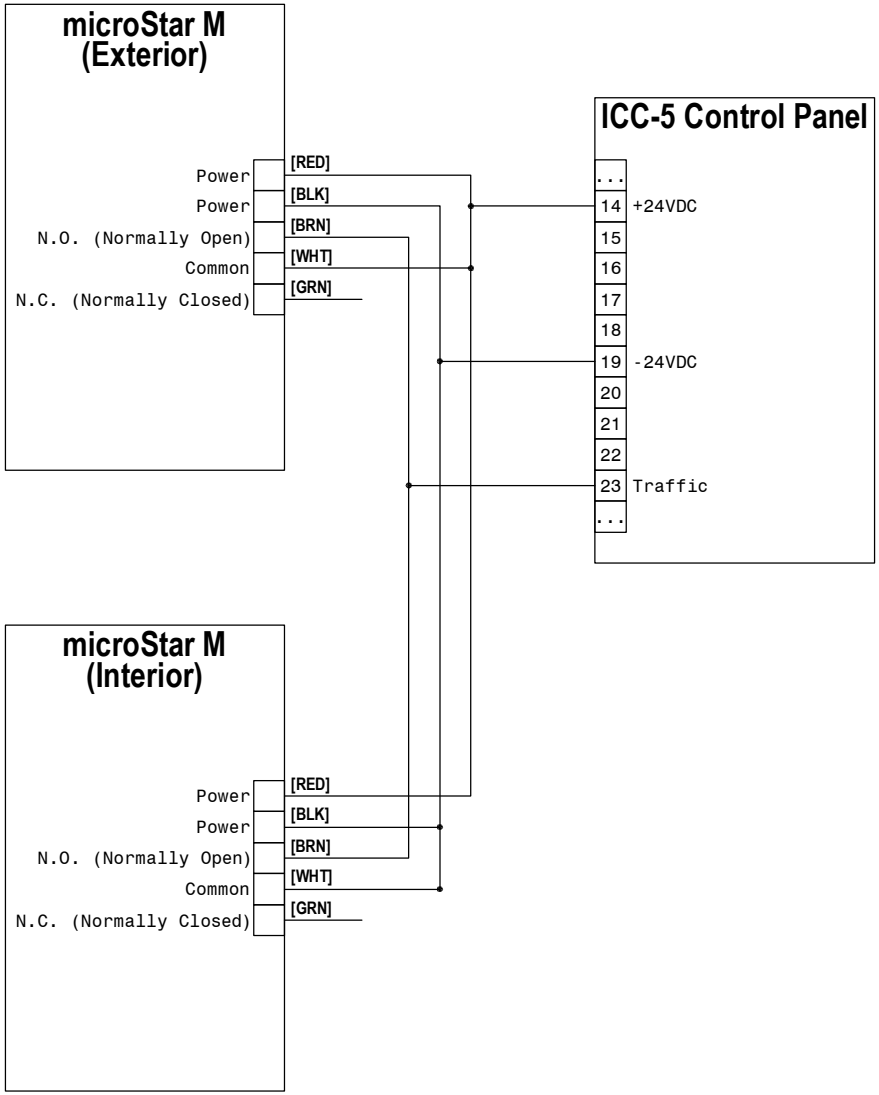

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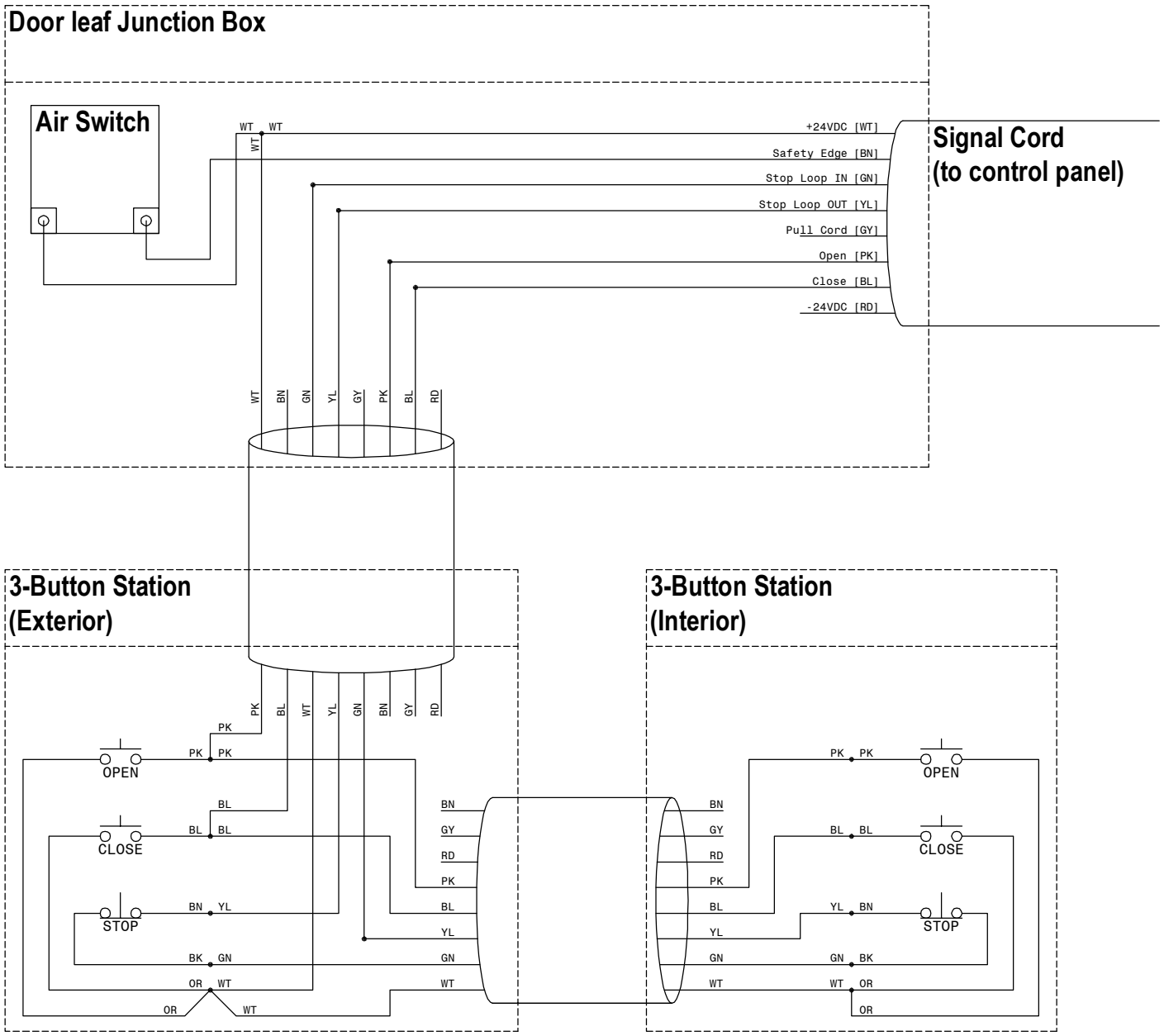
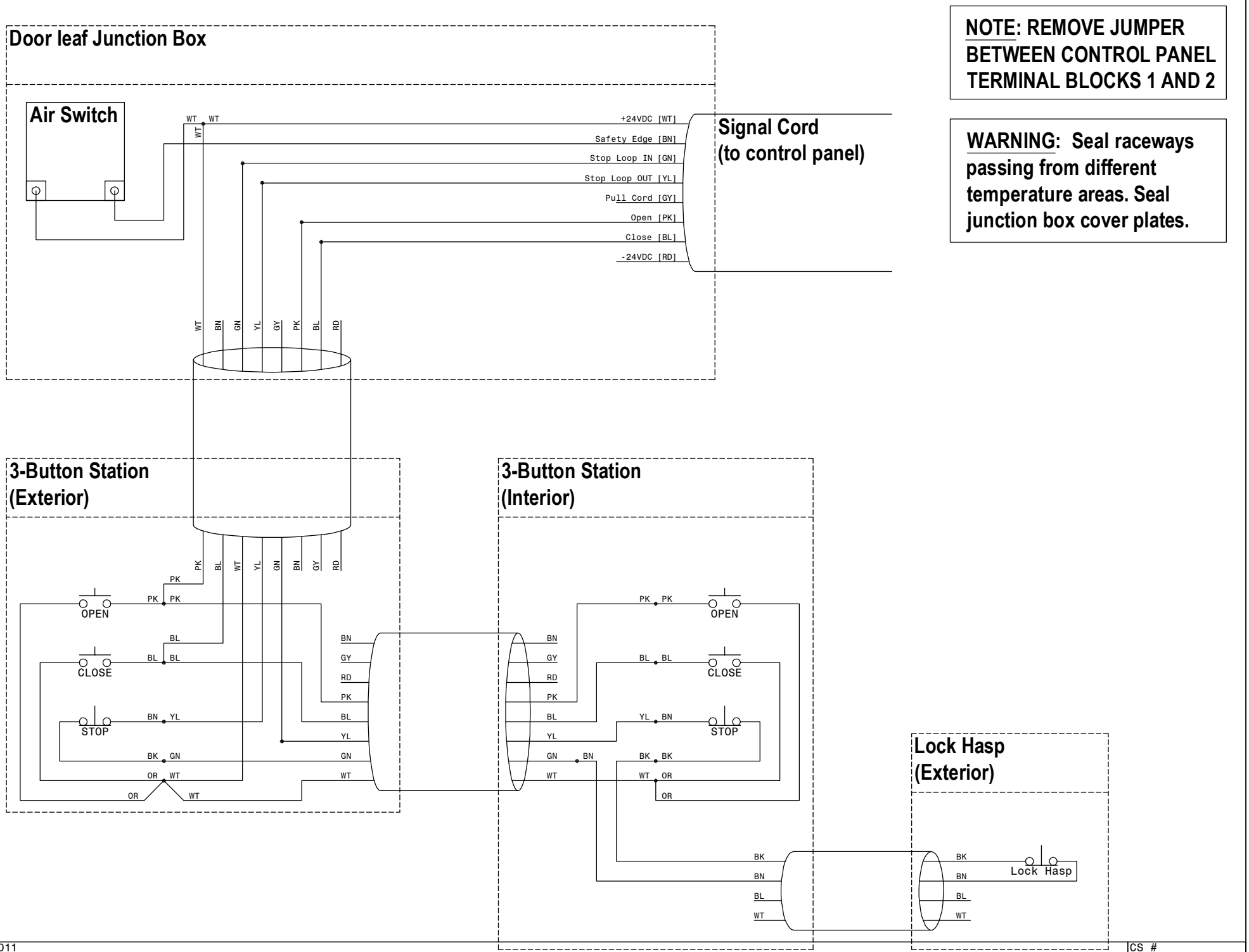
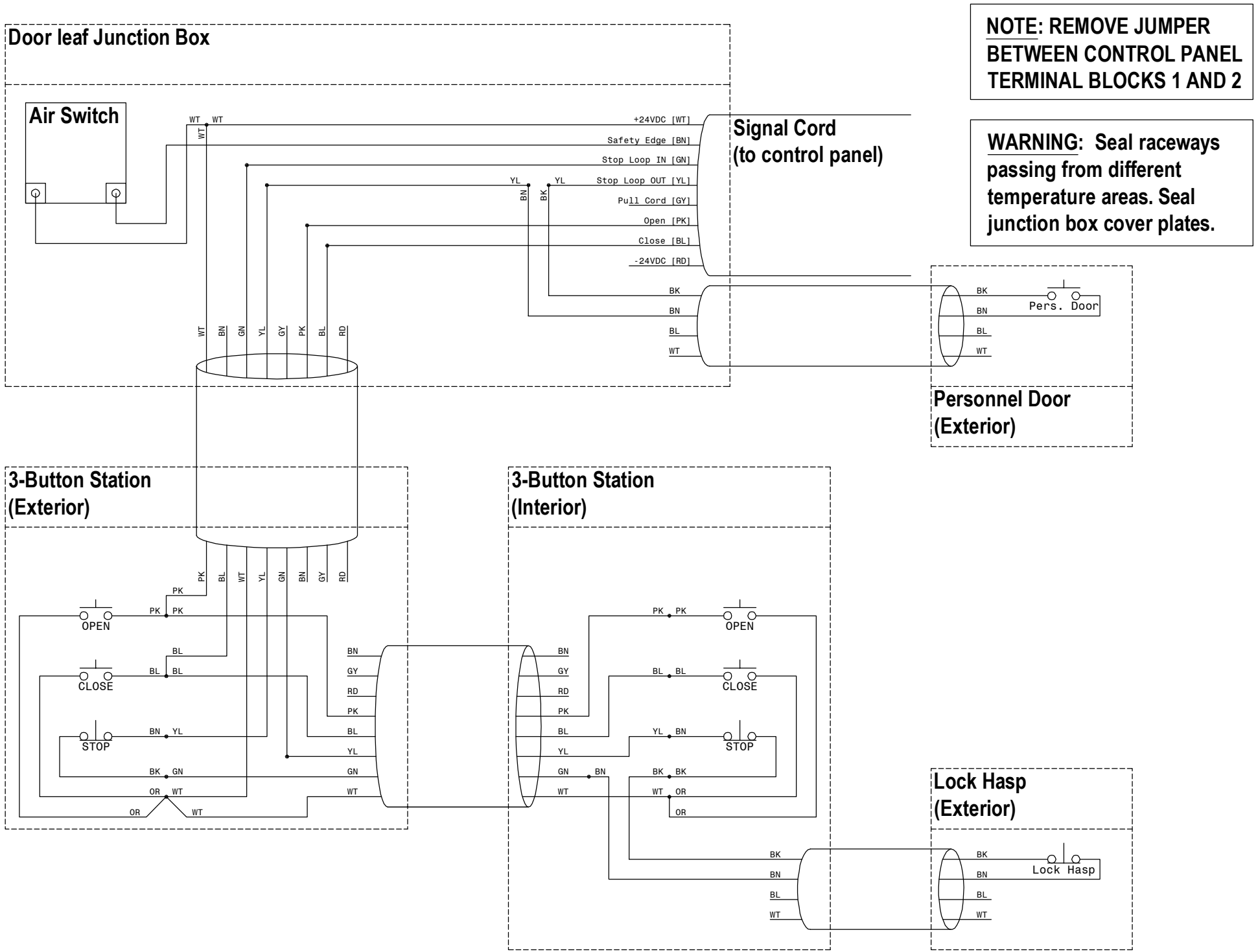


NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.


Door leaf Junction Box
Air Switch
WT
WT
WT
+24VDC [WT]
Safety Edge [BN]
Stop Loop IN [GN]
Stop Loop OUT [YL]
Pull Cord [GY]
Open [PK]
Close [BL]
-24VDC [RD]
Signal Cord
(to control panel)
WT BN GN YL GY PK BL RD
NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.
3-Button Station
(Exterior)
PK BL WT YL GN BN GY RD
PK
PK PK
OPEN
BL
BL BL
CLOSE
BN YL
STOP
BK GN
OR WT
OR
WT
BN
GY
RD
PK
BL
YL
GN
WT
3-Button Station
(Interior)
PK PK
OPEN
BL BL
CLOSE
YL BN
STOP
GN BN
BK BK
WT OR
OR
BK
BN
BL
WT
Lock Hasp
(Exterior)
BK
BN
BL
WT
Lock Hasp



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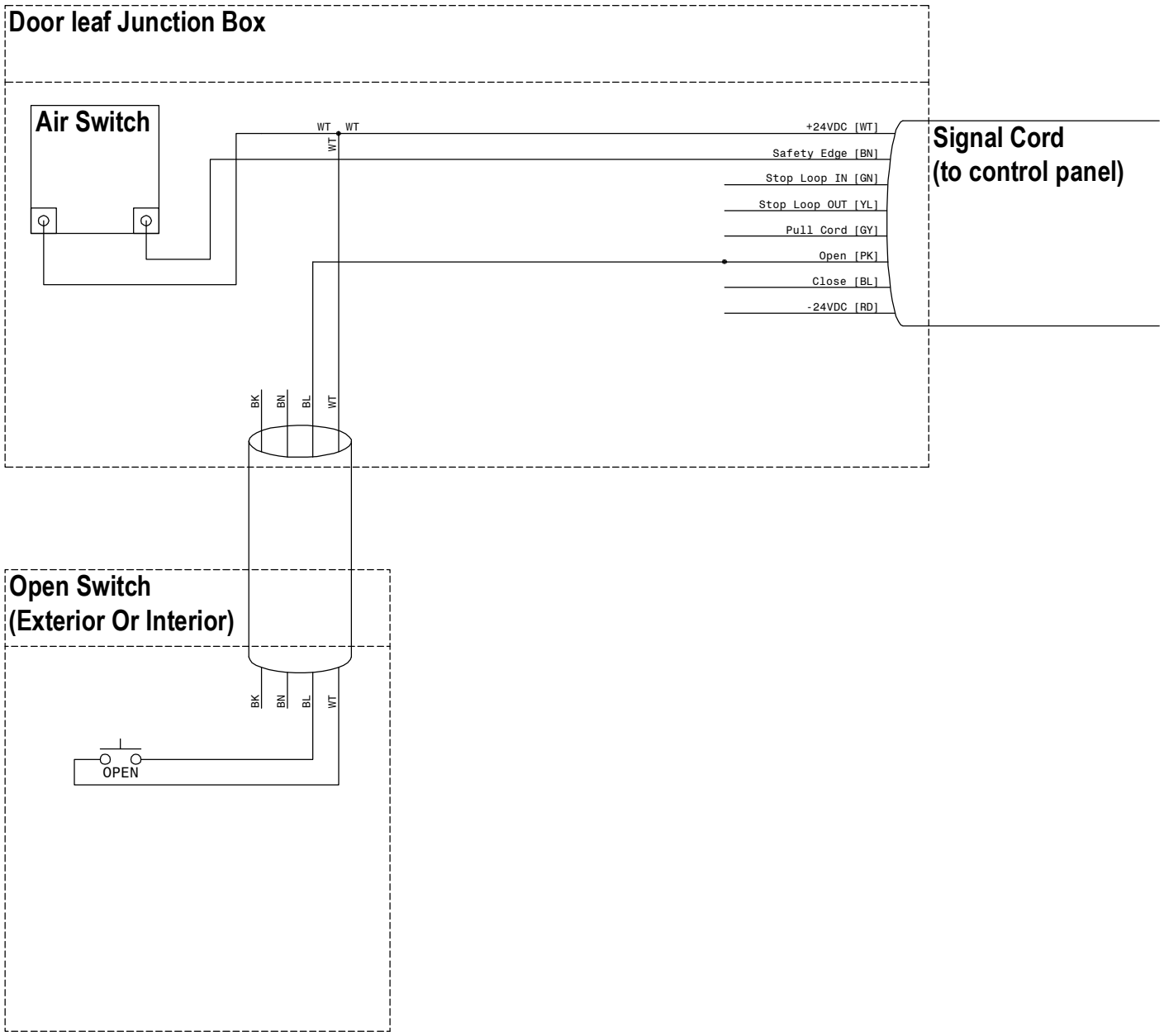
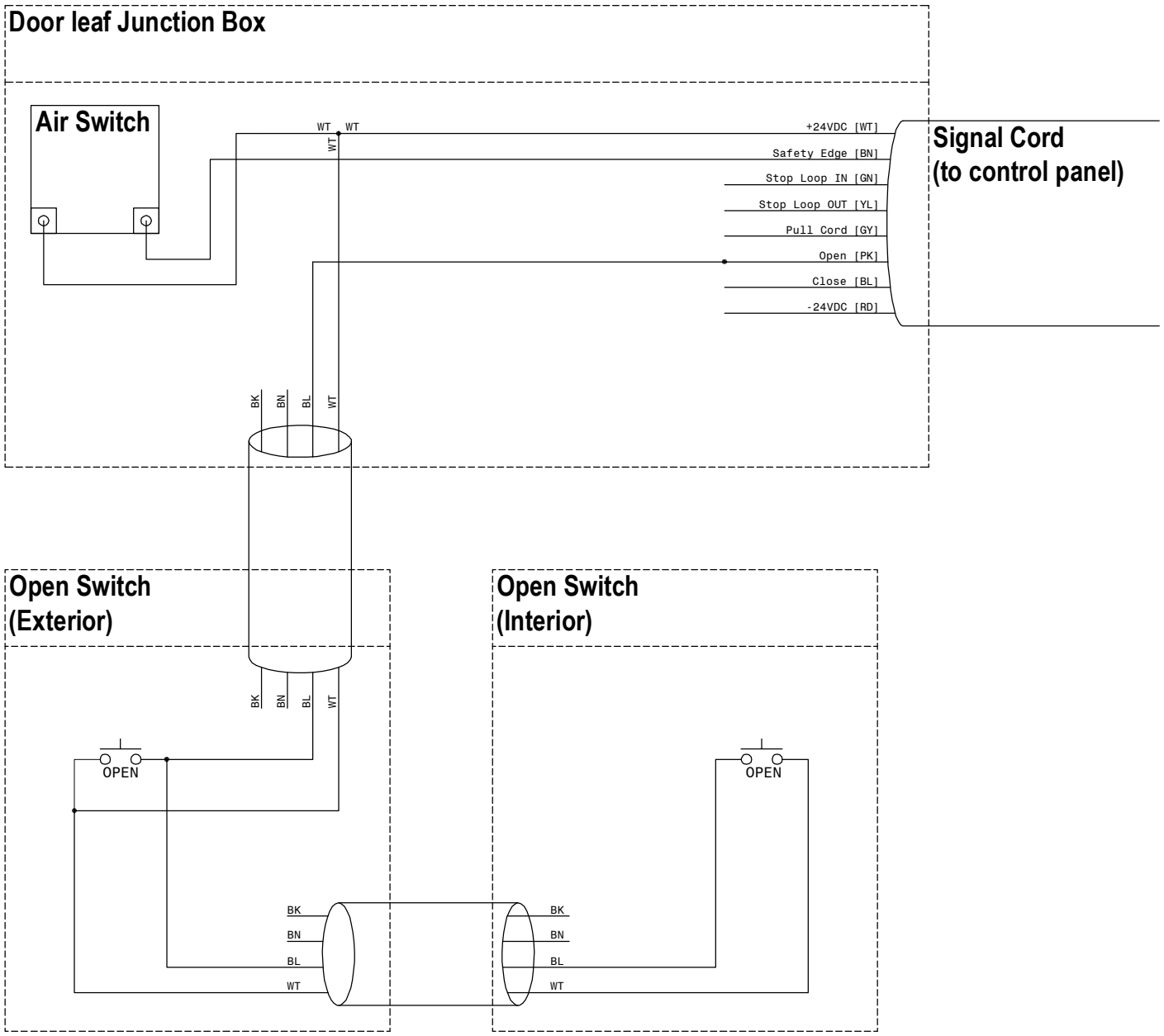
7 - ICC-5 Door / Internal Wiring / Master Leaf / (2) 3-button Stations & (1) Lock Hasp & (1) Personnal Door



WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

8 - ICC-5 Door / Internal Wiring / Master Leaf / (1) Press-To-Open Switch



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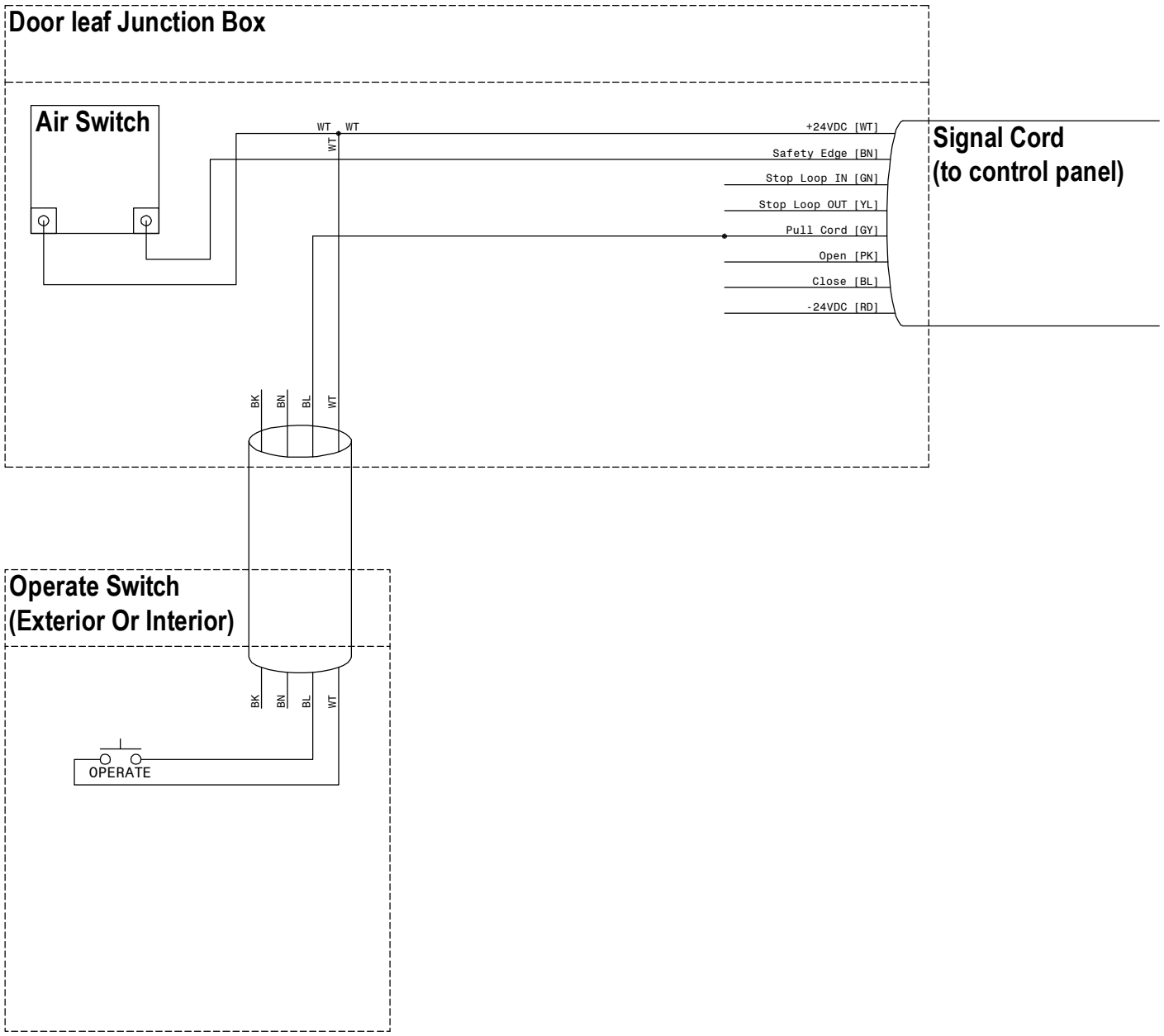

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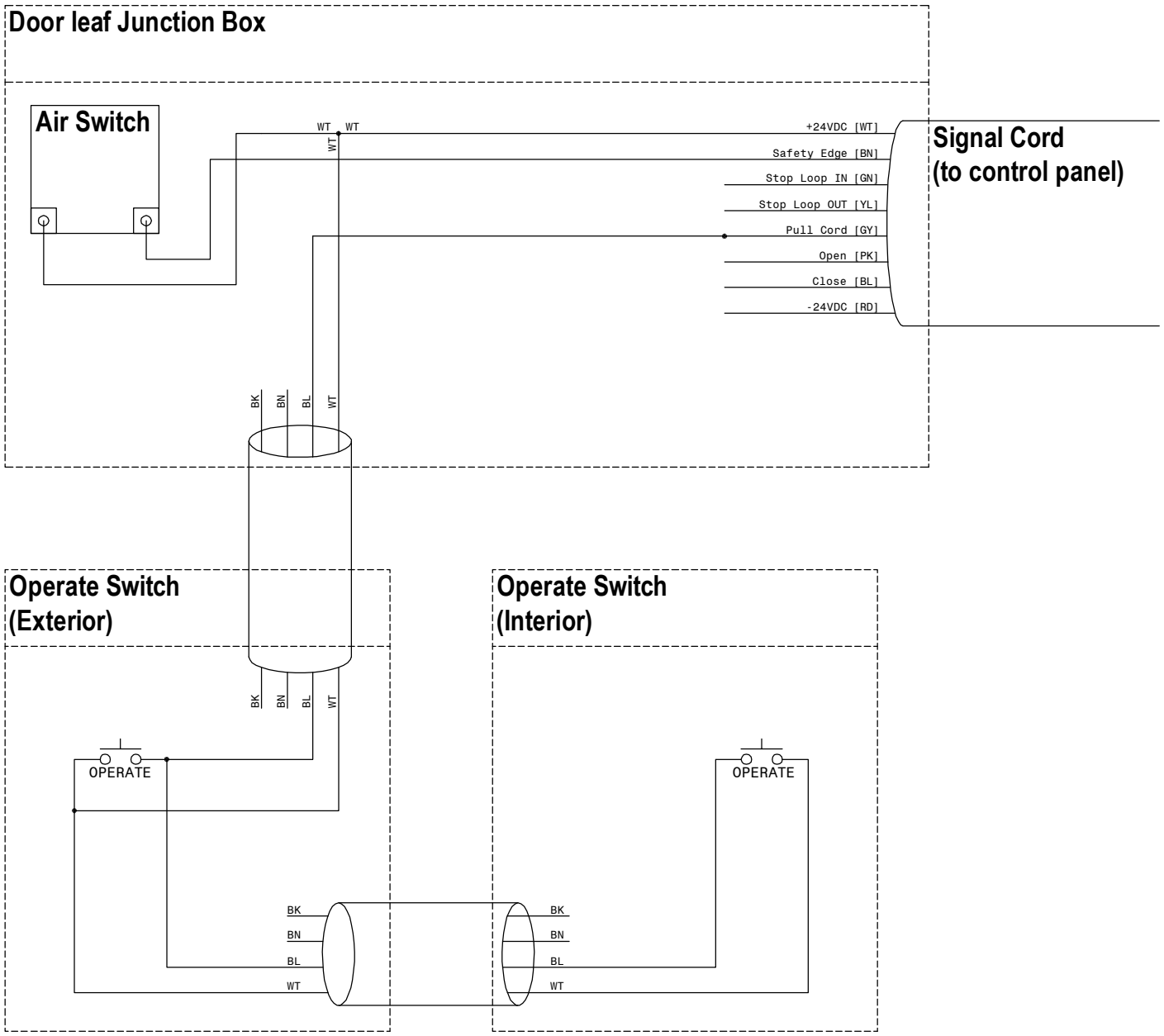

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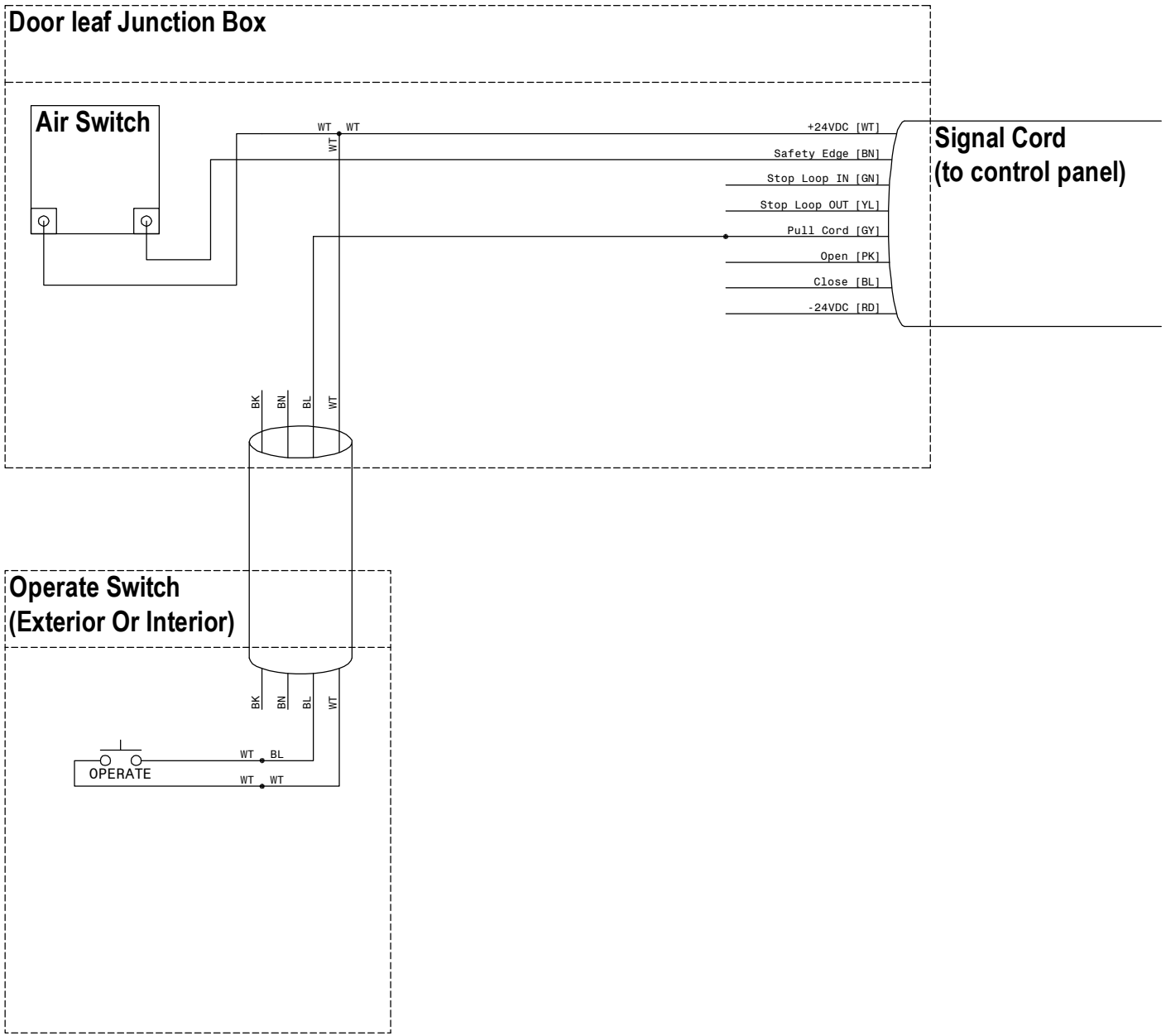

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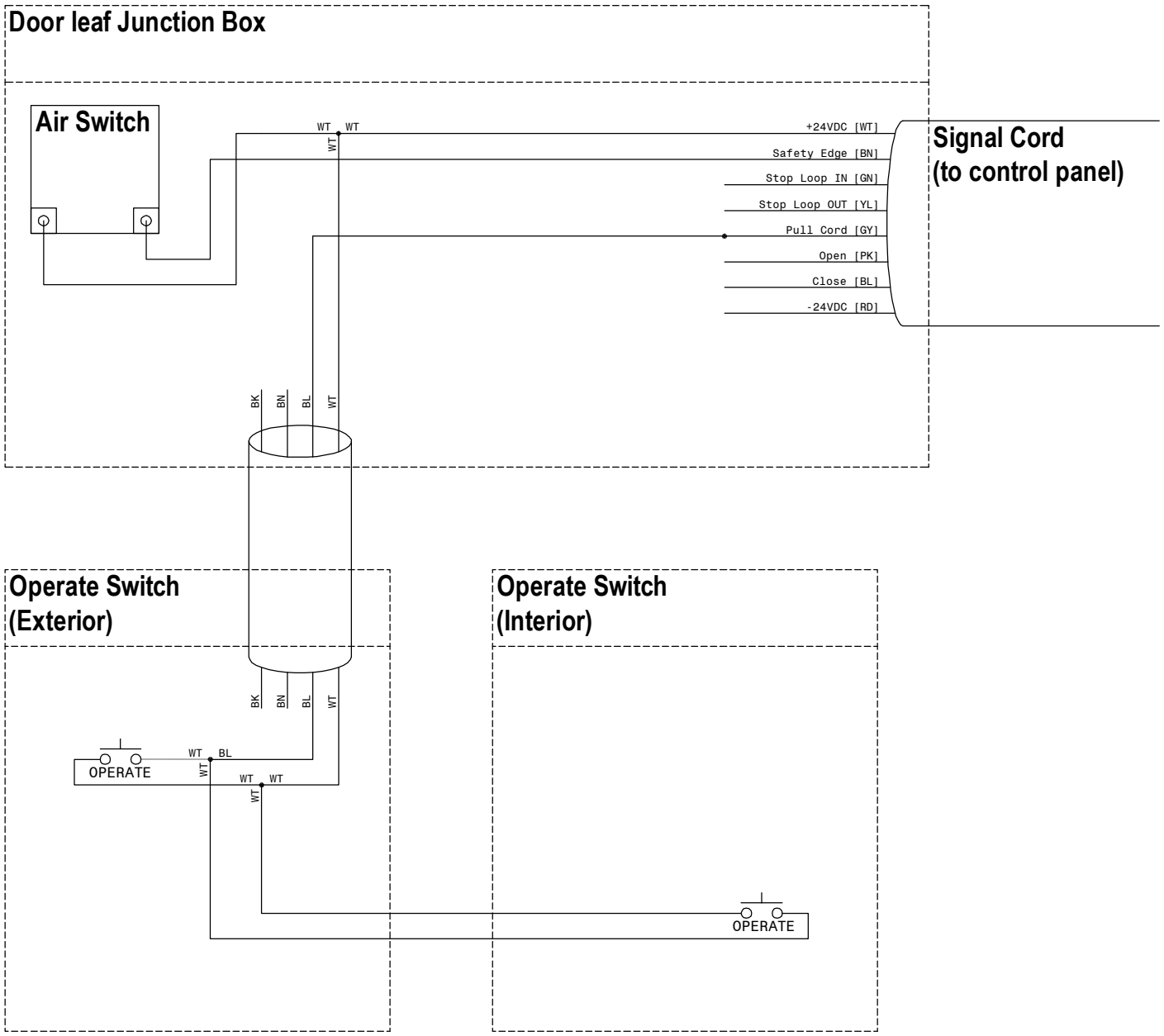

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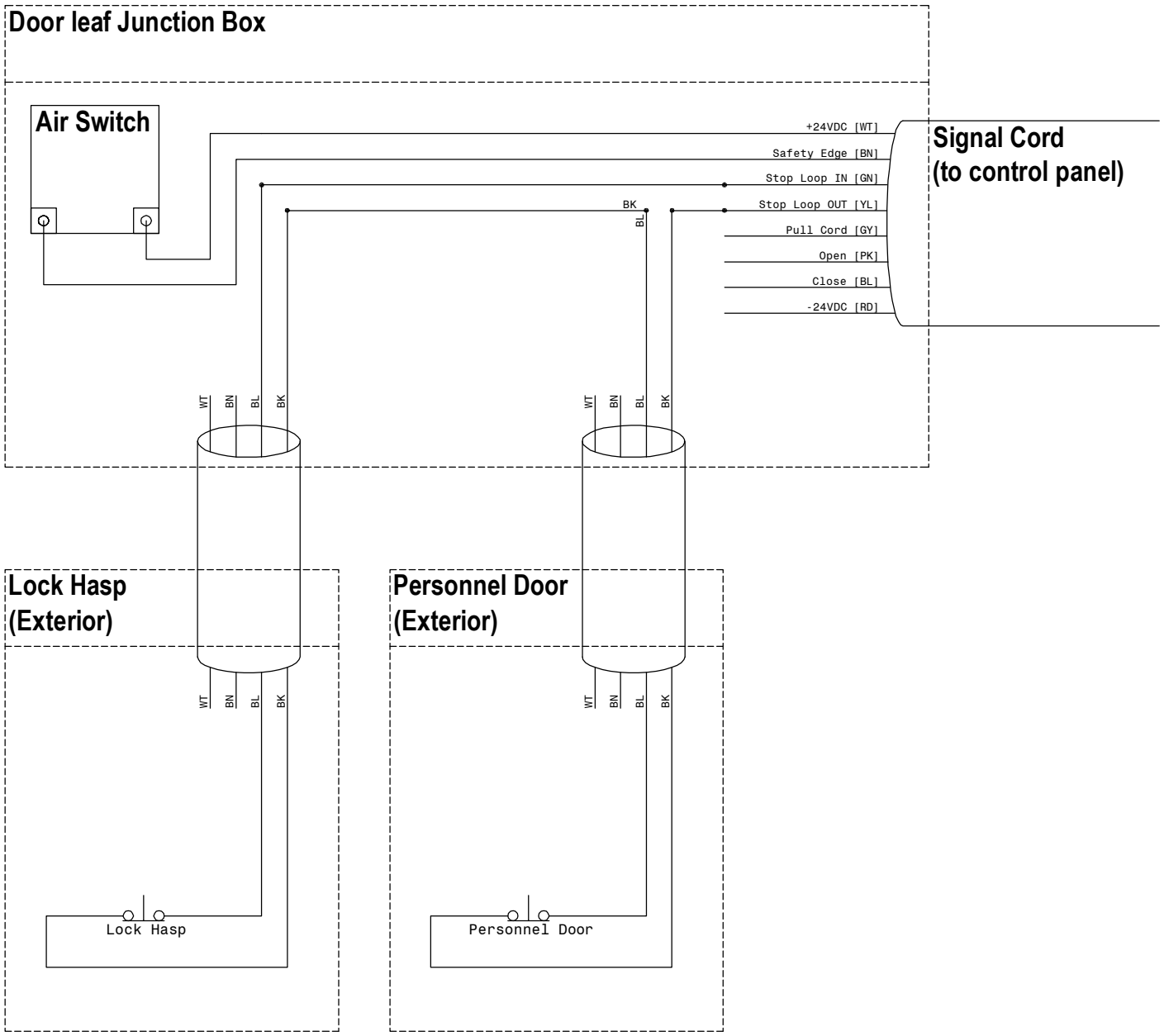

NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 2 AND 3

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

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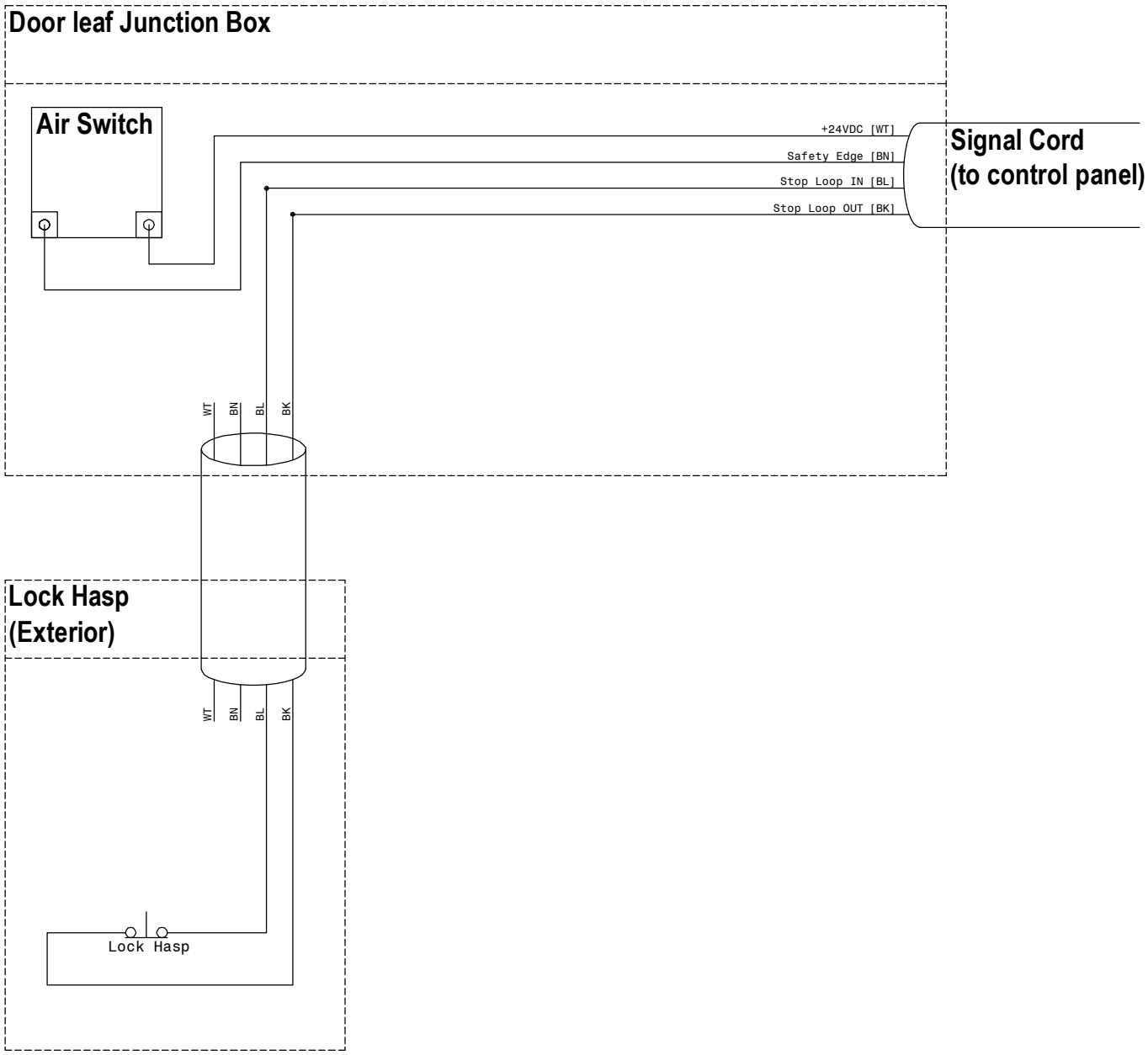
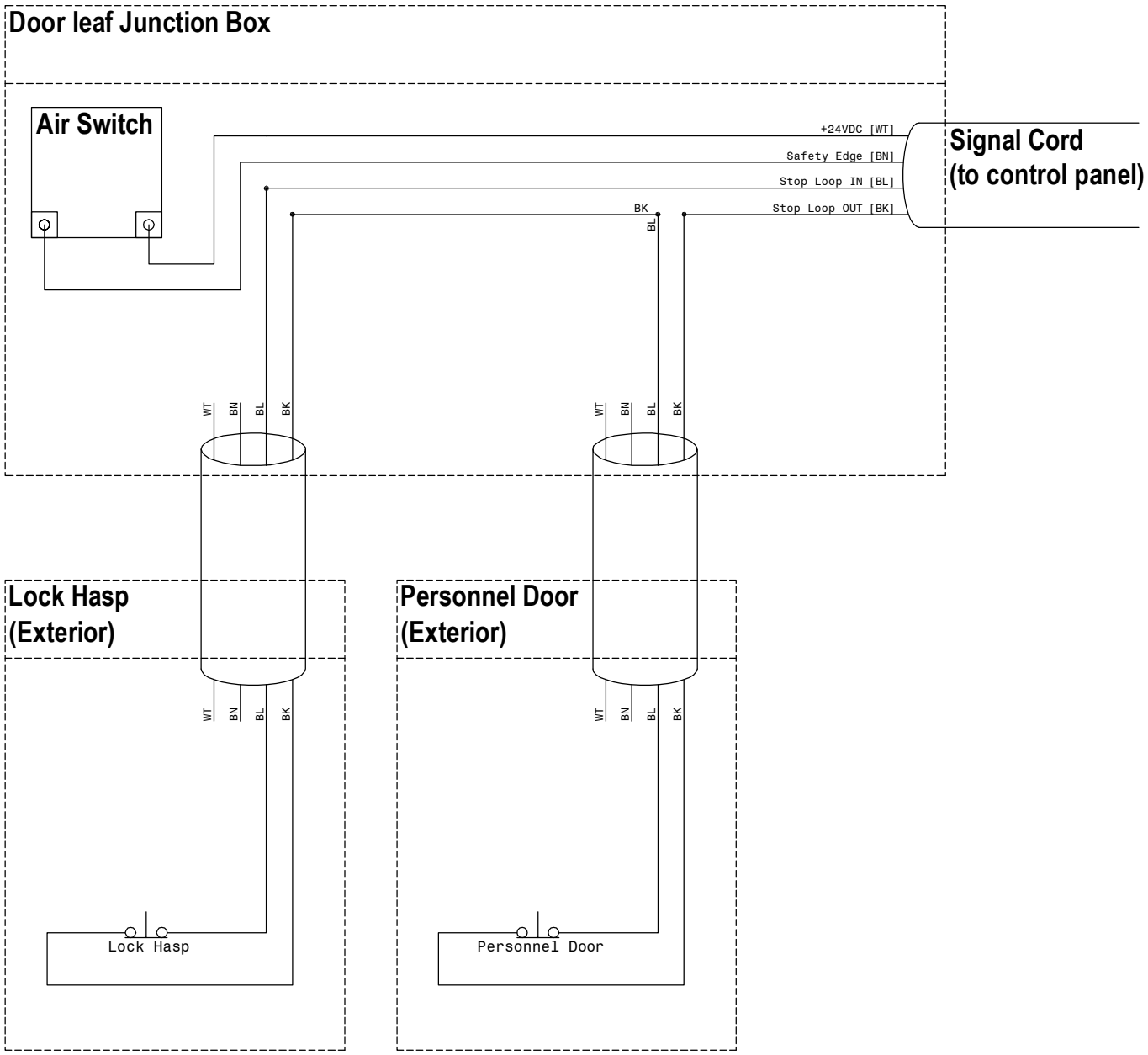
14 - ICC-5 Door / Internal Wiring / Master Leaf / (1) Lock Hasp & (1) Personnal Door

X



NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 2 AND 3

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.



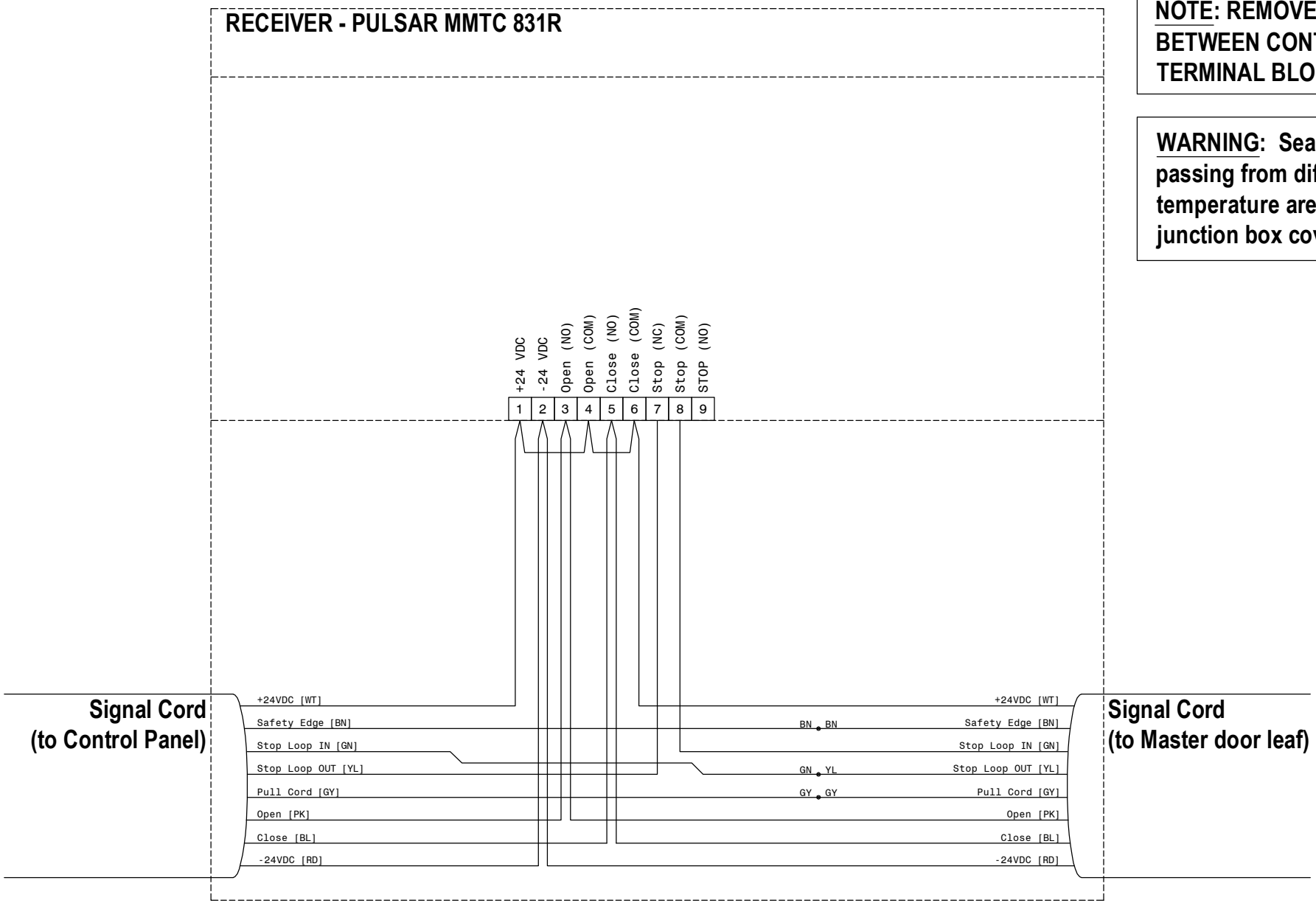
NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 2 AND 3

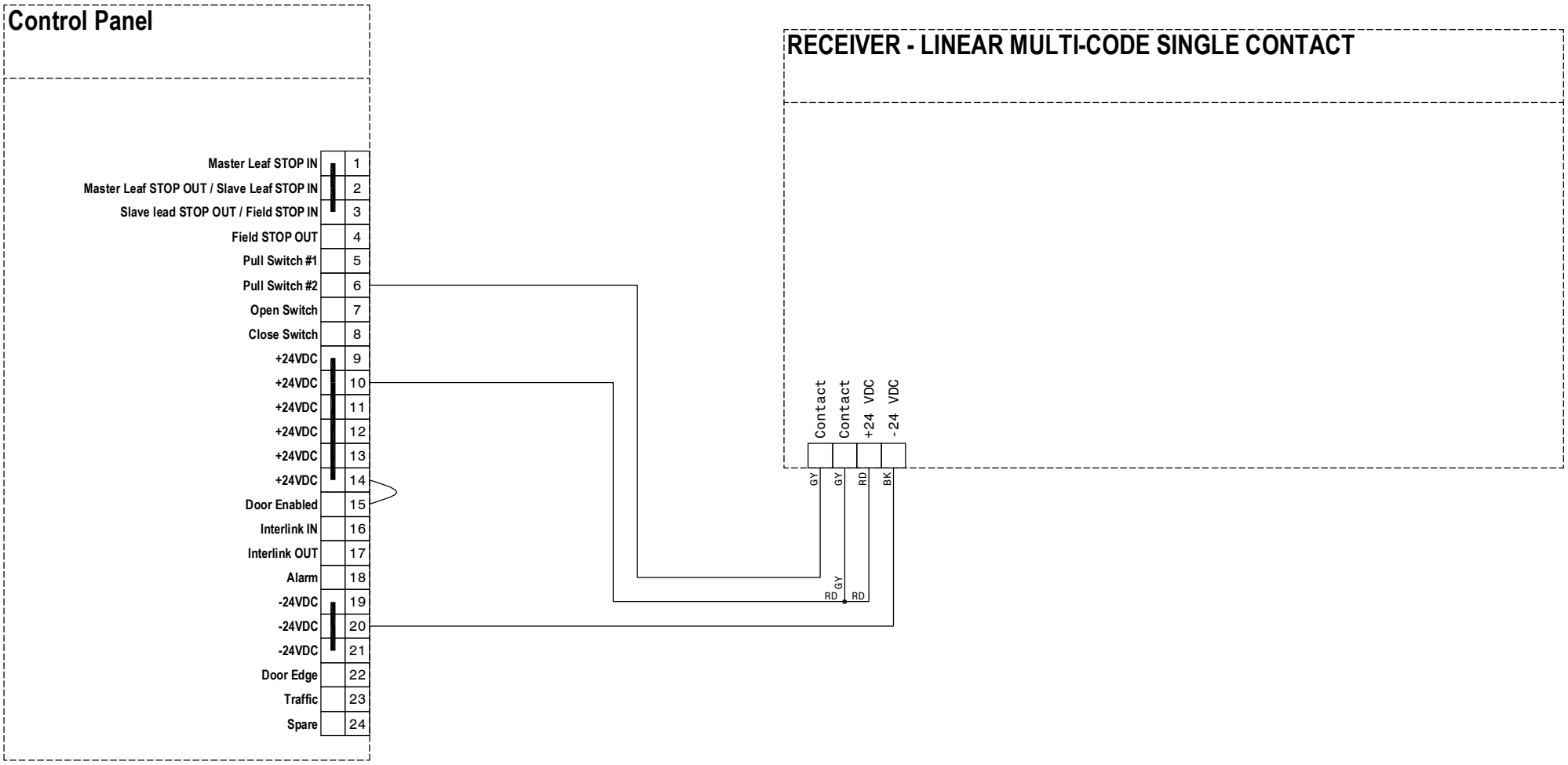
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

16 - ICC-5 Door / Internal Wiring / Slave Leaf / (1) Lock Hasp & (1) Personnal Door

NOTE: REMOVE JUMPER BETWEEN CONTROL PANEL TERMINAL BLOCKS 1 AND 2

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

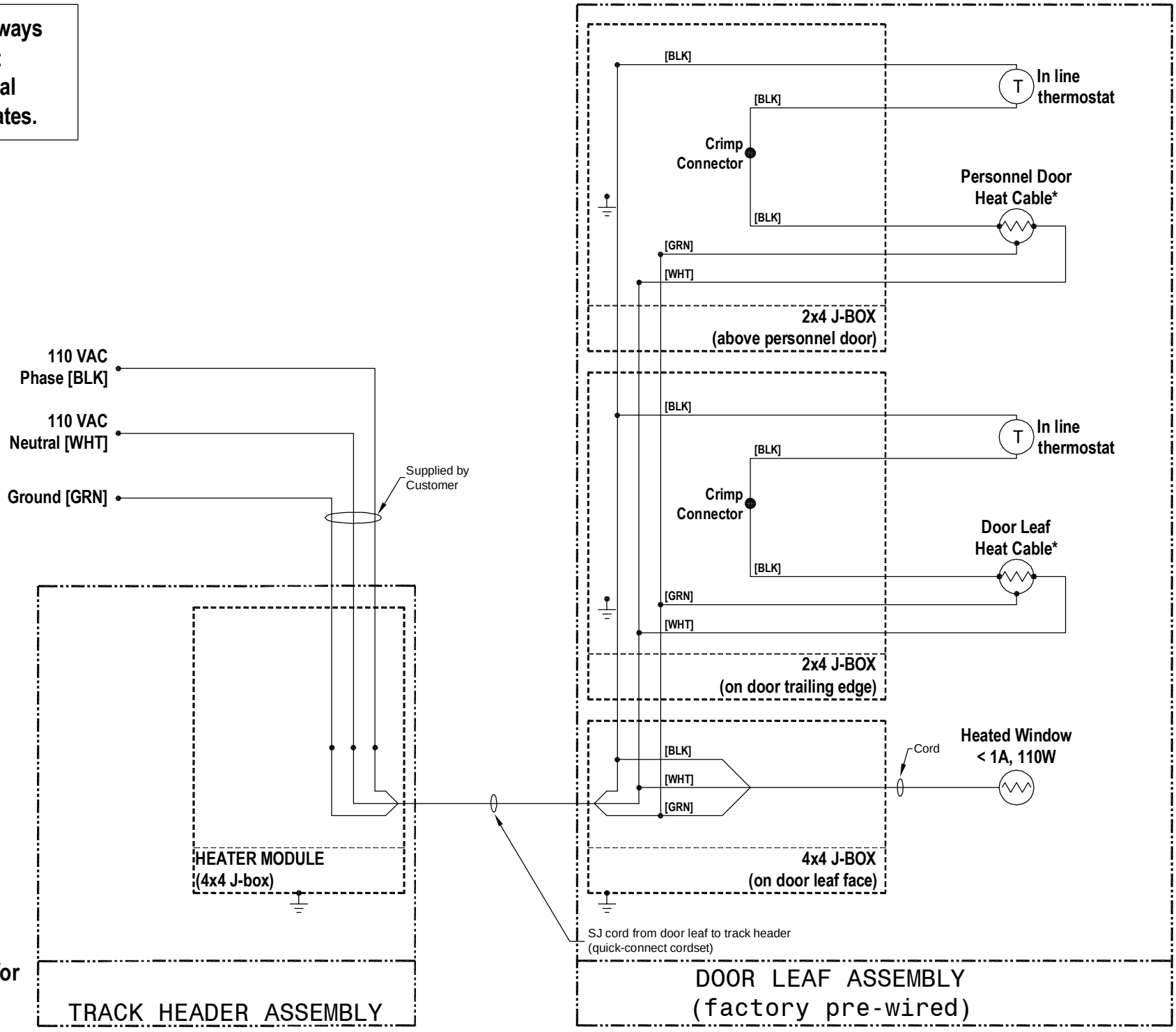




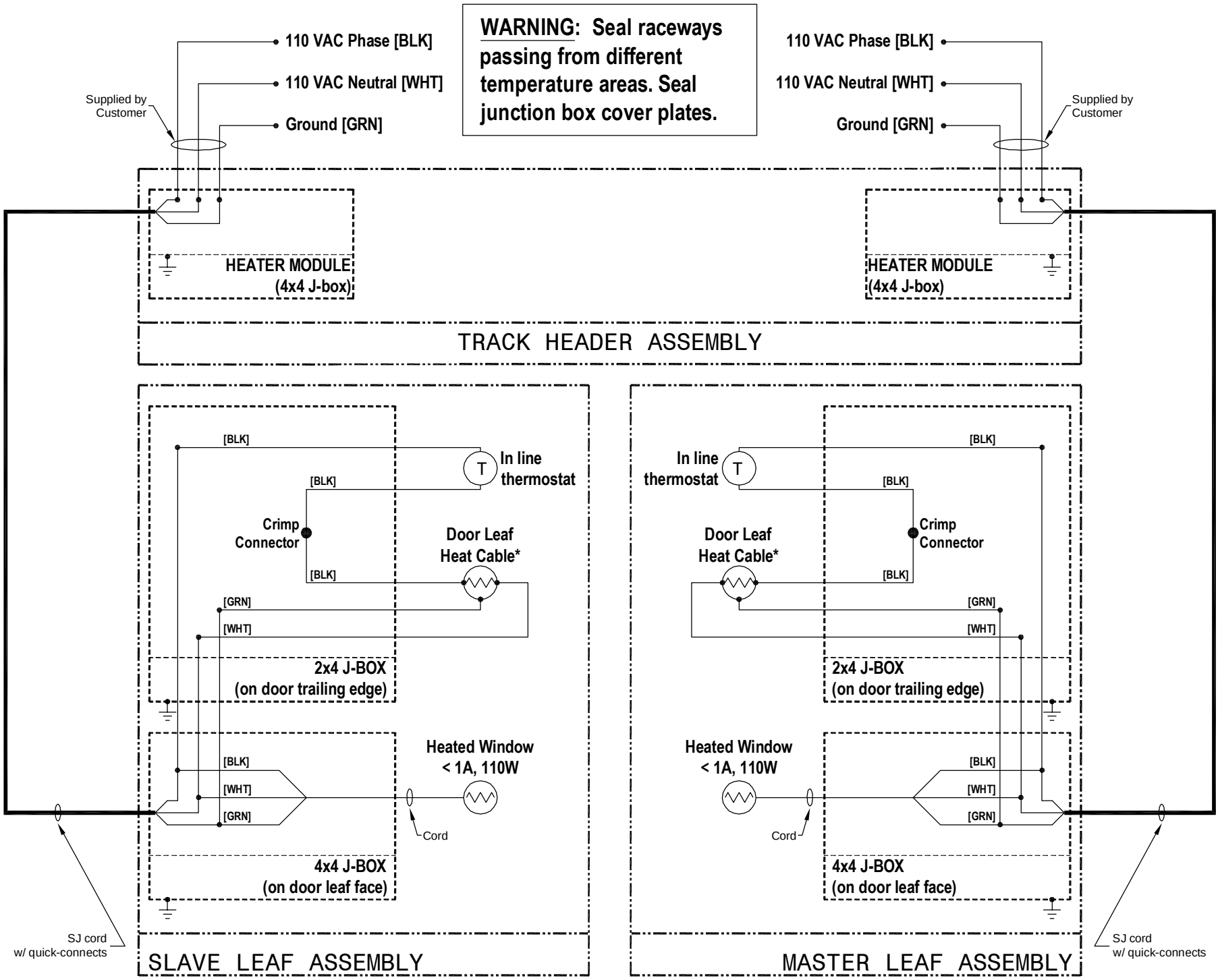
WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

18- ICC-5 Door / External Wiring / Radio Control Receiver Wiring (Linear Multi-Code, Single contact)

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.



***Refer to door drawings for electrical specifications**



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20 - ICC-5 Door / Internal Wiring / High Voltage Components Wiring Diagram / Bi-Parting Door

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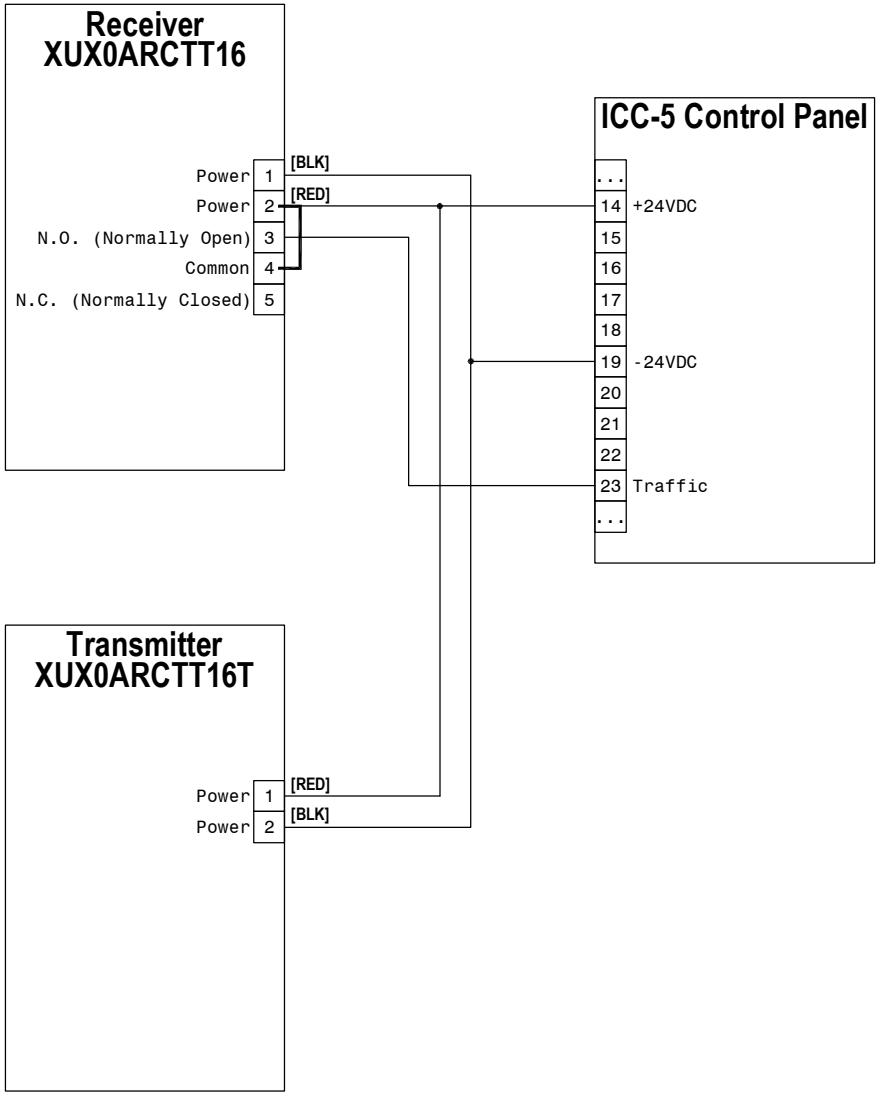


WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

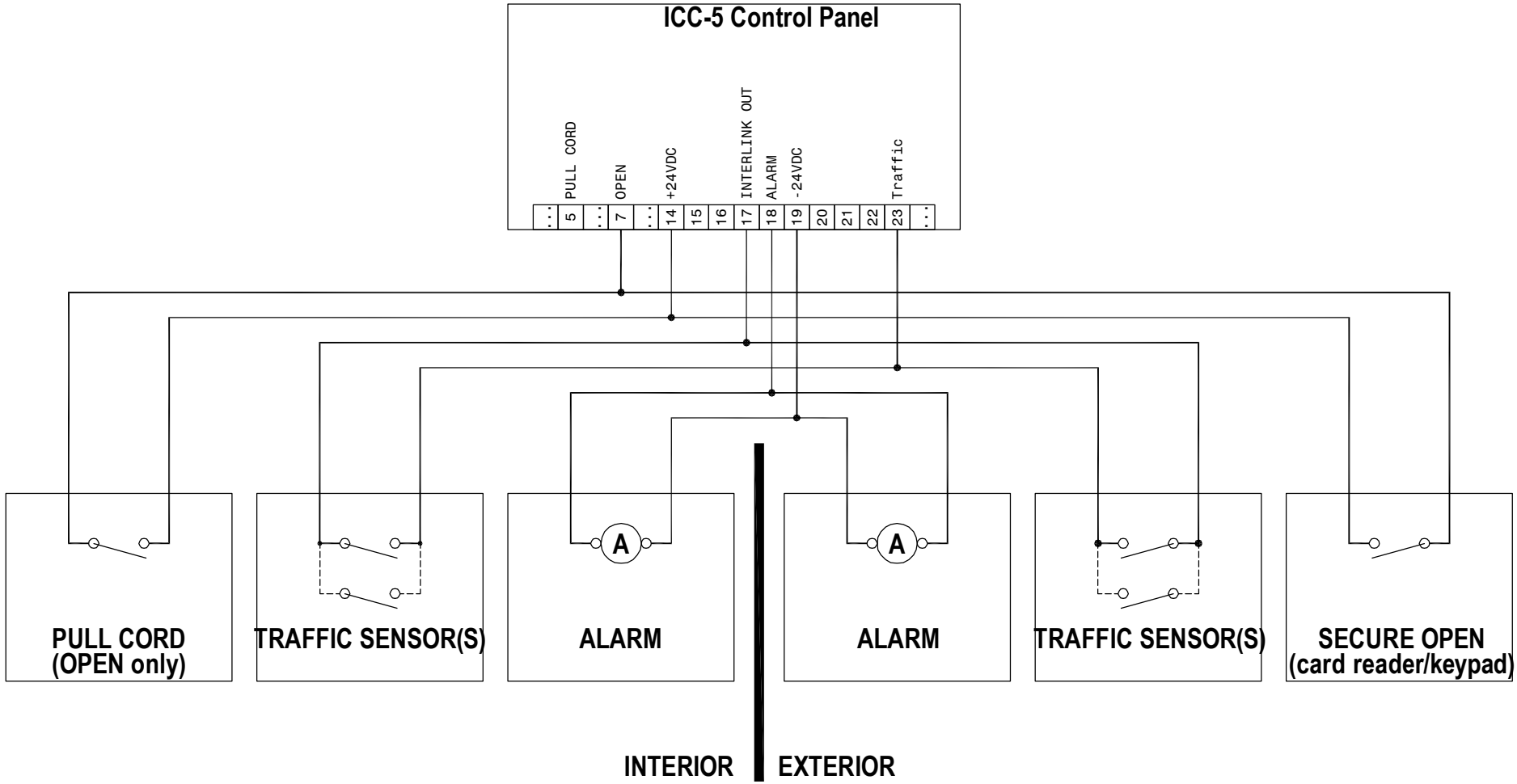
NOTE: Photo-eyes receivers sent with doors are preset at the factory.

Special Application #1:

-Secure device, like a card reader or keypad, opens the door from the outside
-Pull cord allows to open the door from the inside (open only)
-Door closes automatically on a timer
-Timer is disabled if traffic is detected, but:
  -Door door not open automatically open on traffic
  -Yet, door reverses if traffic is detected when closing
-Audio visual alarm activates 3 seconds before the door start an auto-close cycle
-Audio visual alarm is ON while the door is closing

WARNING: Seal raceways passing from different temperature areas. Seal junction box cover plates.

NOTE: Photo-eyes receivers sent with doors are preset at the factory.



Special Application #2:

Adds (2) dry contacts that replicate the Interlink OUT signal. Signal is OFF when door is fully closed, ON otherwise. Signal can be used to control a air curtain or to provide a door ajar signal.

Each dry contact can by used as Normally Open (NO) or Normally Closed (NC).

This special application requires the addition of a DIN-mounted relay inside the control panel.