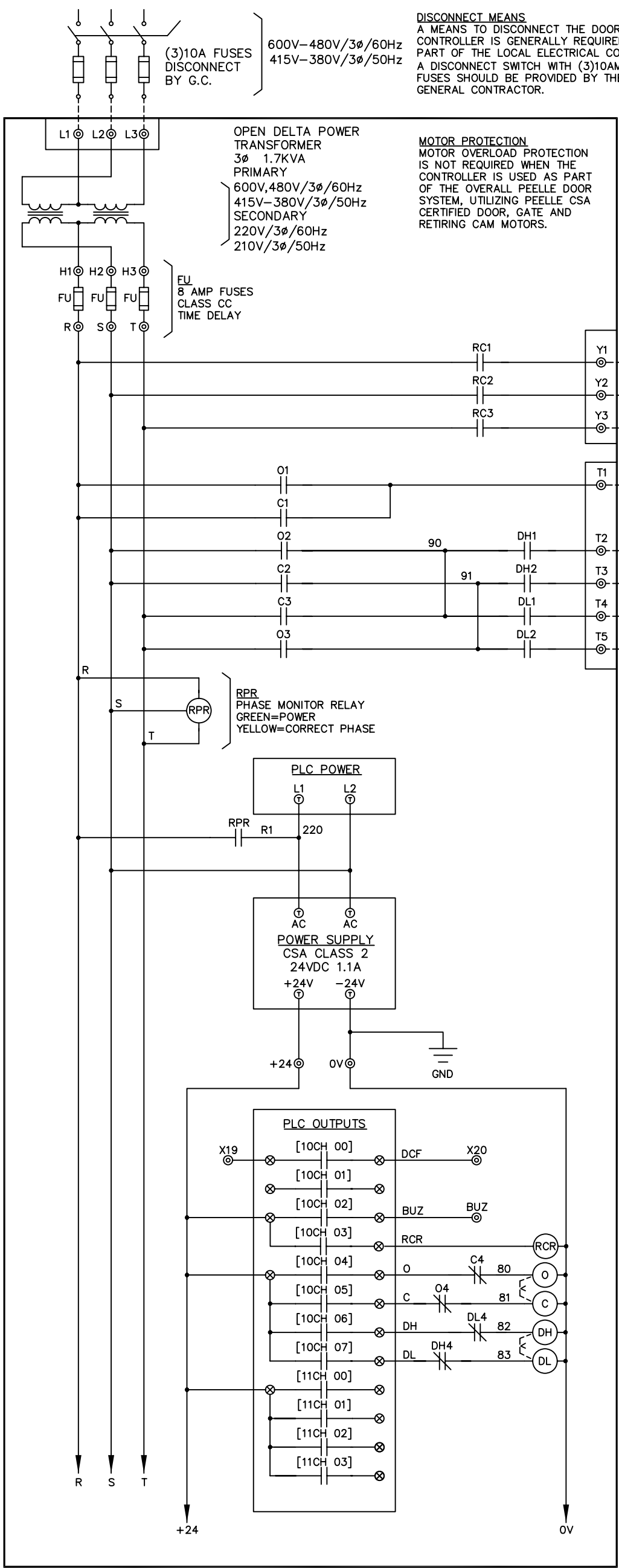


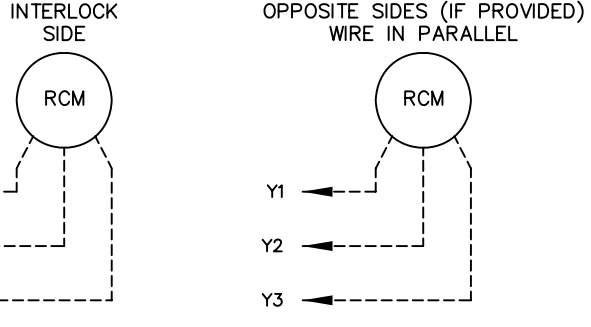
NO	DATE	REVISION	BY
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**DISCONNECT MEANS**  
 A MEANS TO DISCONNECT THE DOOR CONTROLLER IS GENERALLY REQUIRED AS PART OF THE LOCAL ELECTRICAL CODE. A DISCONNECT SWITCH WITH (3)10AMP FUSES SHOULD BE PROVIDED BY THE GENERAL CONTRACTOR.

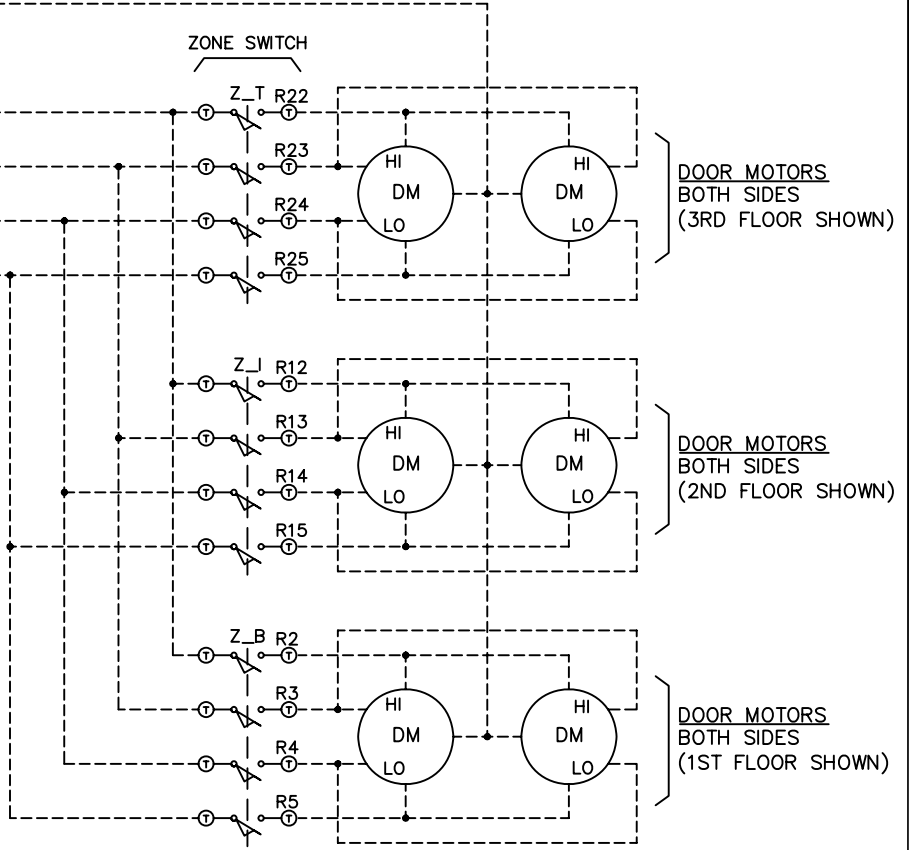
**NOTE:**  
 WHERE PROVIDED, AUTOMATIC DISCONNECT BY SPRINKLER ACTIVATION SHOULD ALSO DISCONNECT THE DOOR CONTROLLER.



**RETIRING CAM MOTOR(S)**



**HOISTWAY DOOR MOTOR WIRING**



**PLC OUTPUTS AND CONTACTORS**

DCE [10CH 00] DOOR CLOSED AUXILIARY CONTACT, CONNECTION X19-X20

BUZ [10CH 02] DOOR CLOSE WARNING BUZZER WITH DELAY (NO OUTPUT IN SLAVE OPERATION)

RCR [10CH 03] RETIRING CAM RELAY

O [10CH 04] OPEN DIRECTION CONTACTOR

C [10CH 05] CLOSE DIRECTION CONTACTOR

DH [10CH 06] DOOR HIGH SPEED CONTACTOR

DL [10CH 07] DOOR SLOW-DOWN CONTACTOR

- NOTES:**
- EXTERNAL WIRE -----
  - \_\_\_\_\_ INTERNAL WIRE \_\_\_\_\_
  - 1. ALL LIMIT SWITCHES AND CONTACTS SHOWN WITH NO ACTION APPLIED
  - 2. ⊙ TERMINAL CONNECTION ON DOOR CONTROLLER
  - 3. ⊙ COMPONENT TERMINAL CONNECTIONS
  - 4. ⊗ I/O TERMINAL CONNECTION ON PLC
  - 5. CAR AND HALL PUSH BUTTONS BY OTHERS

ROUTING	
QTY	DEPARTMENT
1	ELECTRICAL
1	SUPERVISOR
1	SHOP FF
1	CUST FF

PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.

*Freight Elevator Doors Since 1905*

**PEELLE** The Peelle Company

*We still service equipment we built 50 years ago*

TITLE	REV	SCALE	SHT
DOOR ONLY CONTROL 274203DO SINGLE LINE STANDARD OR SLAVE, W/O F.S.		N/A	1 OF 4
DATE	DRAWING		
DRAWN BY	SD-		

**STANDARD OR SLAVE CONTROL – DESCRIPTION**

SEE ELEVATOR CONTROLLER DRAWINGS AND FOLLOW THE CORRECT PANEL TO PANEL CONNECTIONS FOR EITHER STANDARD OR SLAVE CONTROL INTERFACE. SET JUMPER FROM +24 TO STD OR SLA AS REQUIRED.

NOTE: CONTROLLER CAN NOT OPERATE IN BOTH STANDARD AND SLAVE.

**STANDARD CONTROL INTERFACE – (STANDARD)**

STANDARD CONTROL INTERFACE IS THE TRADITIONAL STAND-ALONE FREIGHT DOOR CONTROL SUPPLIED BY PELLE. ALL DOOR DEVICES ARE WIRED DIRECTLY TO THE DOOR CONTROLLER. DOOR OPEN AND CLOSE BUTTONS, AUTOMATIC CLOSING, AND DOOR LIMITS ARE ALL HANDLED BY THE DOOR CONTROLLER USING THE STANDARD CONTROL INTERFACE INITIATIONS.

**SLAVE CONTROL INTERFACE**

SLAVE CONTROL INTERFACE IS MORE LIKE A PASSENGER DOOR CONTROLLER WITH RETIRING CAM. DOOR OPEN AND CLOSE BUTTONS ARE NOT WIRED TO THE PELLE CONTROLLER. AUTOMATIC CLOSING IS HANDLED BY THE ELEVATOR CONTROLLER. DOOR LIMITS IS DONE BY THE DOOR CONTROLLER USING THE SLAVE CONTROL INTERFACE INITIATIONS.

**STANDARD CONTROL INTERFACE – (STANDARD)**

**+24-RC [0CH 00]**  
RETIRING CAM INITIATION  
HI = LIFT CAM, LO = WHENEVER CAR IS STOPPED

**ZNS-INS [0CH 01]** (REMOVE PURPLE JUMPER)  
INSPECTION CIRCUIT CUT-OFF  
HI = DOOR OPERATION, LO = DOORS STOP

**+24-DO [0CH 03]**  
DOOR OPEN, AUTO-OPEN INITIATION  
HI (MOMENTARY) = DOOR OPEN

**+24-X12 [1CH 02]**  
HOLD OPEN INITIATION FOR AUTO-CLOSE  
HI = HOLD OPEN

**+24-HDB** (REMOVE PURPLE JUMPER WHEN USED)  
HALL BUTTON CUT-OFF INITIATION (NOT REQUIRED)

**SLAVE CONTROL INTERFACE**

**+24-RC [0CH 00]**  
RETIRING CAM INITIATION  
HI = LIFT CAM, LO = WHENEVER CAR IS STOPPED

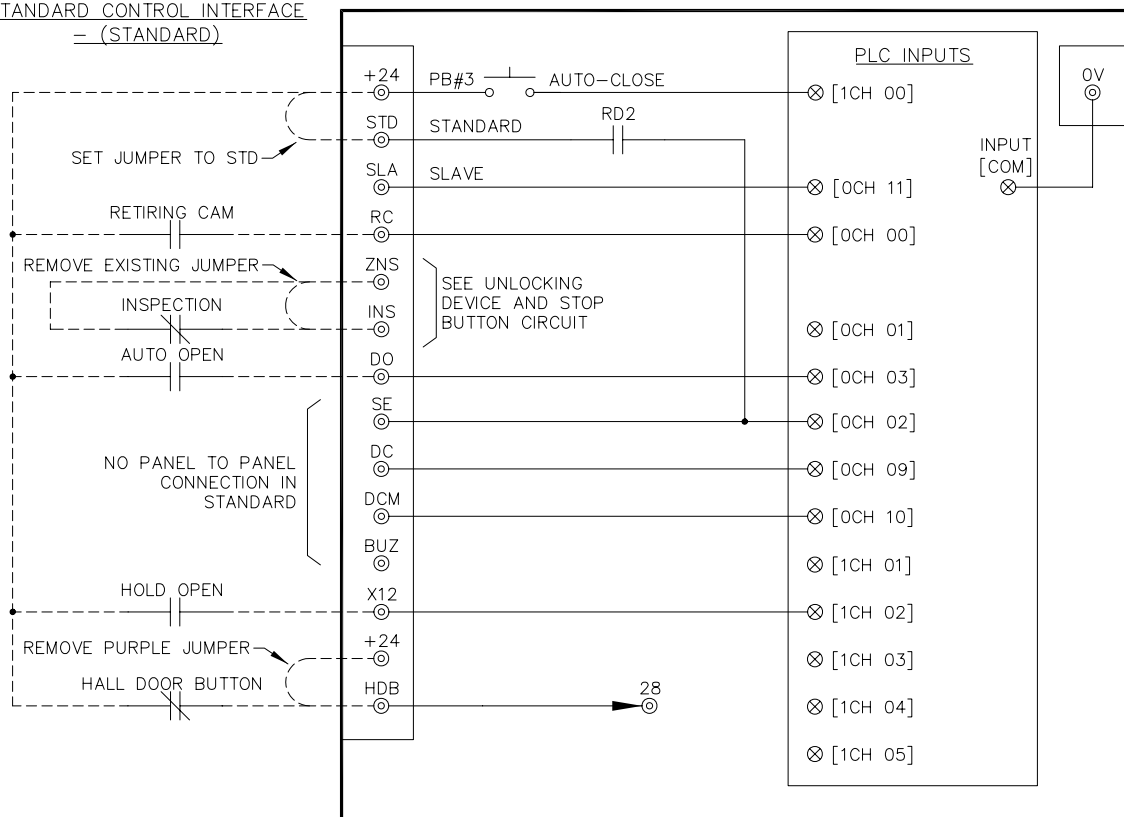
**+24-DO [0CH 03]**  
DOOR OPEN INITIATION  
HI (CONSTANT) = DOOR OPEN

**+24-DC [0CH 09]**  
DOOR CLOSE INITIATION  
HI (CONSTANT) = DOOR CLOSE

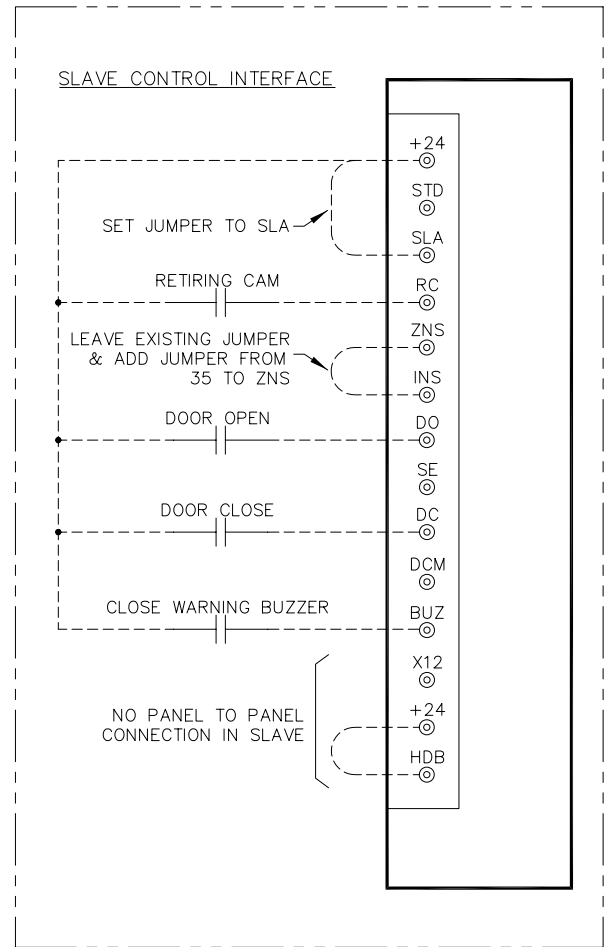
**+24-BUZ**  
DOOR CLOSE WARNING BUZZER

[SQUARE BRACKETS] = PLC OR RELAY INDICATOR  
HI = LIGHT ON, LO = LIGHT OFF

**STANDARD CONTROL INTERFACE – (STANDARD)**



**SLAVE CONTROL INTERFACE**

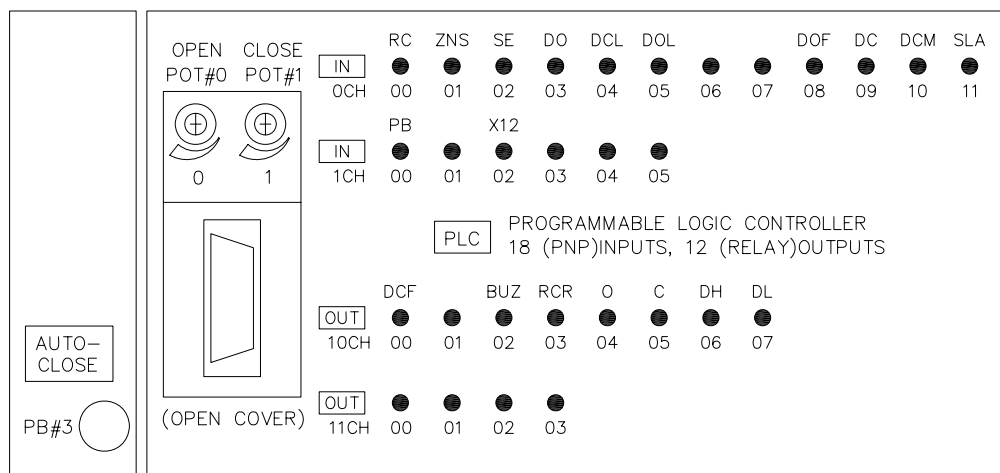


**USER SETTINGS**

**ON/OFF (SW#1)**  
FOR PLC AND 24VDC POWER SUPPLY.

**OPEN & CLOSE DIRECTION TIME-OUT (POT#0, POT#1)**  
DOOR FINAL POSITION MOTOR SHUT-OFF  
POT #0 = OPEN FINAL TIME-OUT SETTING  
POT #1 = CLOSE FINAL TIME-OUT SETTING  
Note: Factory set to shut off motors 3 seconds after door goes into slow-down. Should be adjusted to give enough time to open and close fully with an additional 1 second to stall.

**AUTO-CLOSE (PB#3) [1CH 00]**  
STANDARD OPERATION ONLY!  
AUTOMATIC TIME CLOSING SETTING:  
1. Press and hold button for 3 seconds. Output [11CH 00] will flash once, Auto-Close will turn ON and time will be set for 30 seconds.  
2. Momentarily press button PB#3 to increment the time setting: (once) 45sec, (twice) 60sec, (3x) 90sec, (4x) 2mins, (5x) 3mins, and (6x) 5mins maximum.  
NOTE: You have 20 seconds to set the desired time setting after which the controller will only accept a remove command.  
REMOVE AUTOMATIC CLOSING:  
1. Press and hold button PB#3 for 3 seconds. Output [11CH 00] will flash twice and Automatic Closing will be removed.



- NOTES:**
- EXTERNAL WIRE -----
  - INTERNAL WIRE ————
  - 1. ALL LIMIT SWITCHES AND CONTACTS SHOWN WITH NO ACTION APPLIED
  - 2. ⊙ TERMINAL CONNECTION ON DOOR CONTROLLER
  - 3. ⊙ COMPONENT TERMINAL CONNECTIONS
  - 4. ⊗ I/O TERMINAL CONNECTION ON PLC
  - 5. CAR AND HALL PUSH BUTTONS BY OTHERS

ROUTING	
QTY	DEPARTMENT
1	ELECTRICAL
1	SUPERVISOR
1	SHOP FF
1	CUST FF

PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.

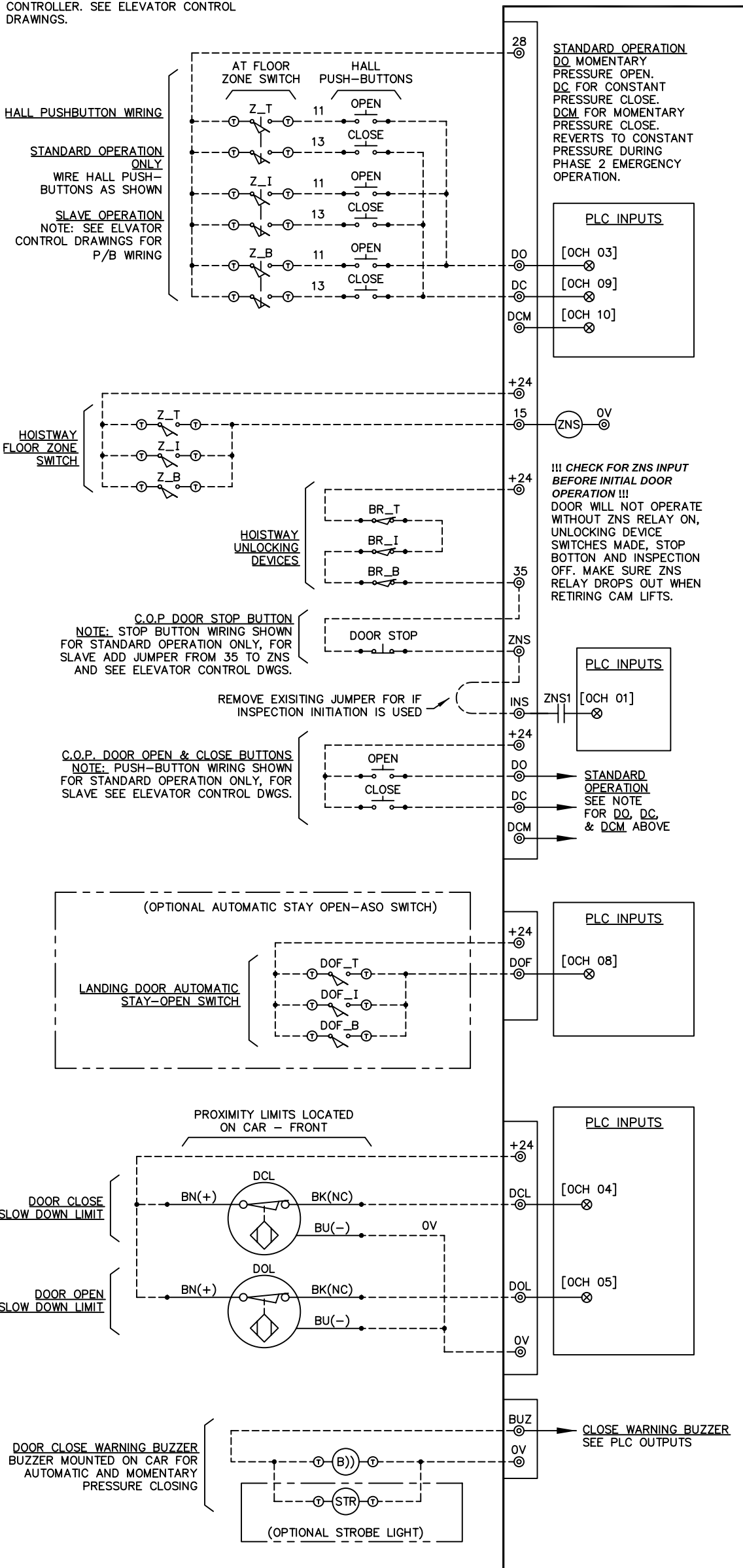
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**The Peelle Company**

*We still service equipment we built 50 years ago*

TITLE	REV	SCALE	SHT
DOOR ONLY CONTROL 274203DO SINGLE LINE STANDARD OR SLAVE, W/O F.S.		N/A	2 OF 4
DATE	DRAWING		
DRAWN BY	SD-		

SLAVE OPERATION: PUSH-BUTTONS ARE NOT WIRED TO THE PELLE CONTROLLER. SEE ELEVATOR CONTROL DRAWINGS.



**HOISTWAY WIRING CONTROL INPUTS**

+24-15 [ZNS RELAY]  
 CHECK FOR INPUT BEFORE INITIAL DOOR OPERATION !!!  
 AT LANDING ZONE INPUT  
 HI = DOOR OPERATION, LO = DOORS STOP

+24-35-ZNS [OCH 02]  
 CHECK FOR INPUT BEFORE INITIAL DOOR OPERATION !!!  
 UNLOCKING DEVICE AND STOP BUTTON  
 HI = DOOR OPERATION, LO = DOORS STOP

(NOTE: PUSH-BUTTON WIRING SHOWN FOR STANDARD OPERATION, FOR SLAVE SEE ELEVATOR CONTROL PRINTS)

28-DO [OCH 03]  
 HALL DOOR OPEN BUTTON  
 HI = DOOR OPEN

+24-DO [OCH 03]  
 CAR DOOR OPEN BUTTON  
 HI = DOOR OPEN

28-DC [OCH 09]  
 HALL DOOR CLOSE BUTTON (CONSTANT PRESSURE)  
 HI = DOOR CLOSE

+24-DC [OCH 09]  
 CAR DOOR CLOSE BUTTON (CONSTANT PRESSURE)  
 HI = DOOR CLOSE

28-DCM [OCH 10]  
 HALL CLOSE BUTTON (MOMENTARY PRESSURE)  
 HI = DOOR CLOSE

+24-DCM [OCH 10]  
 CAR DOOR CLOSE BUTTON (MOMENTARY PRESSURE)  
 (REVERTS TO CONSTANT PRESSURE IN PHASE 2)  
 HI = DOOR CLOSE

+24-DCL [OCH 04]  
 DOOR CLOSE SLOW DOWN  
 HI = HI-SPEED, LO = SLOW DOWN

+24-DOL [OCH 05]  
 DOOR OPEN SLOW DOWN  
 HI = HI-SPEED, LO = SLOW DOWN

+24-DOE [OCH 08]  
 AUTOMATIC STAY-OPEN (OPTIONAL)  
 HI = FULL OPEN, LO = RE-OPEN IF DRIFT CLOSE

RD-(OV) [OCH 02]  
 LIGHT CURTAIN INPUT  
 HI = GATE CLOSURES, LO = GATE REVERSES  
 \*LIGHT CURTAIN OUTPUT (NPN-SINK) IS LO WHEN BEAMS ARE BLOCKED

- NOTES:**
- EXTERNAL WIRE -----
  - \_\_\_\_\_ INTERNAL WIRE \_\_\_\_\_
  - 1. ALL LIMIT SWITCHES AND CONTACTS SHOWN WITH NO ACTION APPLIED
  - 2. ⊙ TERMINAL CONNECTION ON DOOR CONTROLLER
  - 3. ⊙ COMPONENT TERMINAL CONNECTIONS
  - 4. ⊗ I/O TERMINAL CONNECTION ON PLC
  - 5. CAR AND HALL PUSH BUTTONS BY OTHERS

ROUTING	
QTY	DEPARTMENT
1	ELECTRICAL
1	SUPERVISOR
1	SHOP FF
1	CUST FF

PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.

Freight Elevator Doors Since 1905

**PEELLE** The Peelle Company

We still service equipment we built 50 years ago

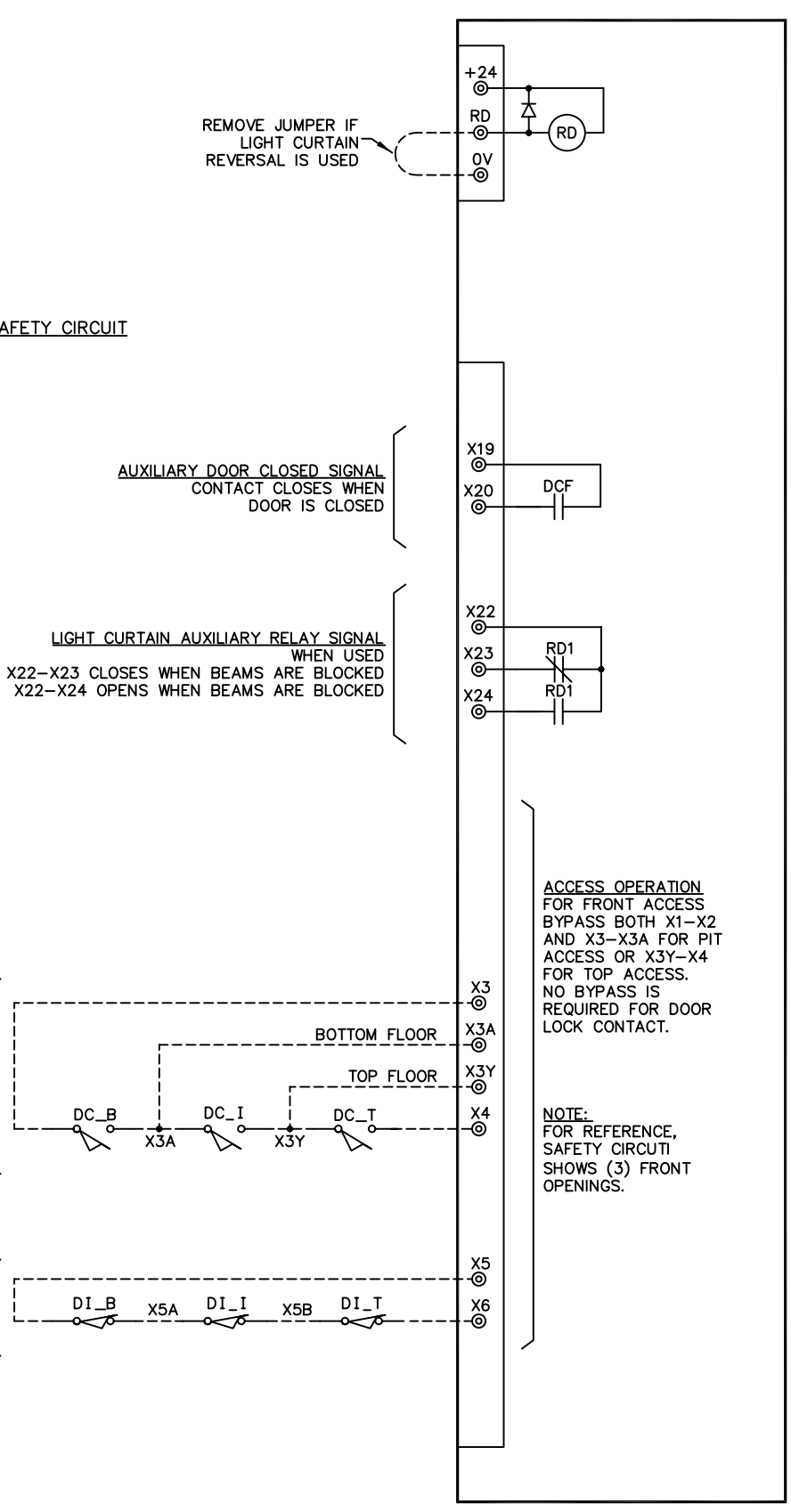
TITLE	REV	SCALE	SHT
DOOR ONLY CONTROL 274203DO SINGLE LINE STANDARD OR SLAVE, W/O F.S.		N/A	3 OF 4
DATE	DRAWING		
DRAWN BY	SD-		

OUTPUT SIGNALS AND SAFETY CIRCUIT

REMOVE JUMPER IF LIGHT CURTAIN REVERSAL IS USED

DOOR CLOSED CONTACT LOCATED IN THE LOWER PORTION OF THE INTERLOCK AND ACTUATED BY THE LOWER DOOR PANEL

DOOR LOCKED CONTACT LOCATED IN THE UPPER PORTION OF THE INTERLOCK AND ACTUATED BY THE ROLLER ARM



ACCESS OPERATION FOR FRONT ACCESS BYPASS BOTH X1-X2 AND X3-X3A FOR PIT ACCESS OR X3Y-X4 FOR TOP ACCESS. NO BYPASS IS REQUIRED FOR DOOR LOCK CONTACT.

NOTE: FOR REFERENCE, SAFETY CIRCUIT SHOWS (3) FRONT OPENINGS.

AUXILIARY OUTPUT SIGNALS

- X19-X20  
DOOR CLOSED SIGNAL  
CONTACT CLOSURES WHEN DOOR IS CLOSED
- X22-X23  
LIGHT CURTAIN SIGNAL (WHEN USED)  
CONTACT CLOSURES WHEN BEAMS ARE BLOCKED
- X22-X24  
LIGHT CURTAIN SIGNAL (WHEN USED)  
CONTACT OPENS WHEN BEAMS ARE BLOCKED

INTERLOCK SAFETY CIRCUIT


WIRING SHOWN IS FOR REFERENCE ONLY. SEE ELEVATOR CONTROL DRAWINGS FOR SAFETY CIRCUIT WIRING. INTERLOCK CONTACTS SHOWN WITH NO ACTION APPLIED TO THE SWITCH ARMS.

ELEVATOR OPERATION: WHEN BOTH 'DC' AND GATE CONTACTS ARE MADE, RETIRING CAM INITIATION +24-RC WILL LOCK THE DOOR. THE ELEVATOR SHALL NOT MOVE UNTIL A SIGNAL FROM 'DI' IS RECEIVED.

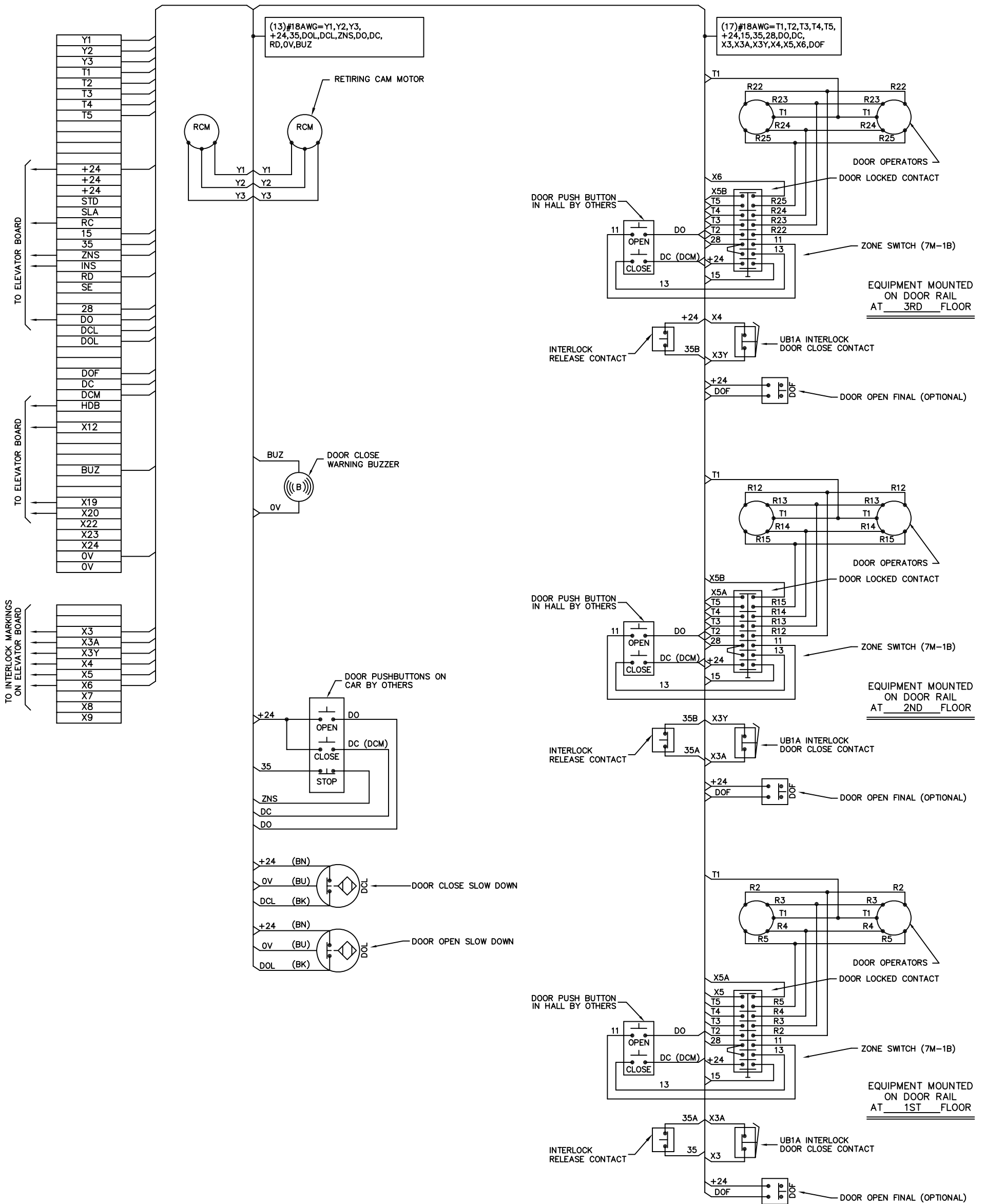
INTERLOCK CIRCUIT SIGNALS

- X3-X4  
DOOR CLOSED SIGNAL  
CONTACT CLOSURES WHEN DOORS ARE CLOSED
- X5-X6  
DOOR LOCKED SIGNAL  
CONTACT CLOSURES WHEN DOORS ARE LOCKED

NOTES:  
 ----- EXTERNAL WIRE -----  
 \_\_\_\_\_ INTERNAL WIRE \_\_\_\_\_  
 1. ALL LIMIT SWITCHES AND CONTACTS SHOWN WITH NO ACTION APPLIED  
 2. ⊙ TERMINAL CONNECTION ON DOOR CONTROLLER  
 3. ⊙ COMPONENT TERMINAL CONNECTIONS  
 4. ⊗ I/O TERMINAL CONNECTION ON PLC  
 5. CAR AND HALL PUSH BUTTONS BY OTHERS

ROUTING		PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.		
QTY	DEPARTMENT	<small>Freight Elevator Doors Since 1905</small>  <b>The Peelle Company</b> <small>We still service equipment we built 50 years ago</small>		
1	ELECTRICAL	TITLE DOOR ONLY CONTROL 274203DO SINGLE LINE STANDARD OR SLAVE, W/O F.S.	REV	SHT
1	SUPERVISOR		N/A	4 OF 4
1	SHOP FF	DATE	DRAWING	
1	CUST FF	DRAWN BY	SD-	


## 274203DO CONTROLLER – SINGLE LINE



**NOTE:**

STANDARD OPERATION  
WIRE ALL DEVICES AS SHOWN.

SLAVE OPERATION  
SEE ELEVATOR PRINTS FOR PUSH-BUTTON WIRING. SEE ELEVATOR PRINTS FOR PANEL TO PANEL CONNECTIONS.

ROUTING		PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.		
QTY	DEPARTMENT	Freight Elevator Doors Since 1905		
		 <b>The Peelle Company</b>		
		<i>We still service equipment we built 50 years ago</i>		
		TITLE	REV	SCALE
1	ELECTRICAL	HOISTWAY WIRING		
1	SUPERVISOR	274203DO DOOR ONLY		N/A
		SINGLE LINE		1 OF 1
1	SHOP FF	DATE	DRAWING	
1	CUST FF	DRAWN BY	SD-	