

- PLC OUTPUTS AND CONTACTORS**
- DCF [10CH 00] DOOR AND GATE 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
 - GH [11CH 00] GATE HIGH SPEED CONTACTOR
 - GL [11CH 01] GATE SLOW-DOWN CONTACTOR
- (CONTINUED)**

- 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

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

PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.

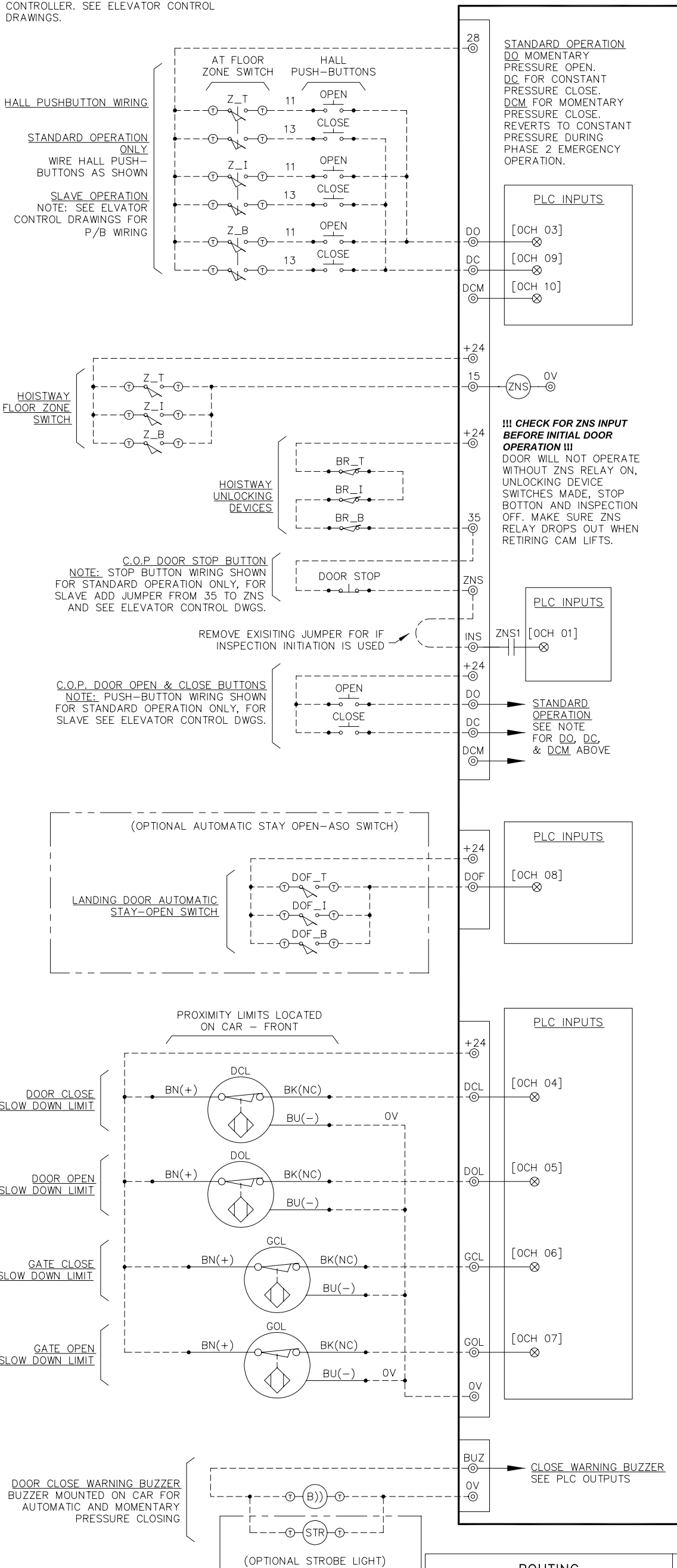
Freight Elevator Doors Since 1905

PEELLE The Peelle Company

We still service equipment we built 50 years ago

TITLE	REV	SCALE	SHT
DOOR CONTROLLER 274200 SINGLE LINE STANDARD OR SLAVE, W/ F.S.		N/A	1 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 [0CH 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 [0CH 03]
HALL DOOR OPEN BUTTON
HI = DOOR OPEN

+24-DO [0CH 03]
CAR DOOR OPEN BUTTON
HI = DOOR OPEN

28-DC [0CH 09]
HALL DOOR CLOSE BUTTON (CONSTANT PRESSURE)
HI = DOOR CLOSE

+24-DC [0CH 09]
CAR DOOR CLOSE BUTTON (CONSTANT PRESSURE)
HI = DOOR CLOSE

28-DCM [0CH 10]
HALL CLOSE BUTTON (MOMENTARY PRESSURE)
HI = DOOR CLOSE

+24-DCM [0CH 10]
CAR DOOR CLOSE BUTTON (MOMENTARY PRESSURE)
(REVERTS TO CONSTANT PRESSURE IN PHASE 2)
HI = DOOR CLOSE

+24-DCL [0CH 04]
DOOR CLOSE SLOW DOWN
HI = HI-SPEED, LO = SLOW DOWN

+24-DOL [0CH 05]
DOOR OPEN SLOW DOWN
HI = HI-SPEED, LO = SLOW DOWN

+24-GCL [0CH 06]
GATE CLOSE SLOW DOWN
HI = HI-SPEED, LO = SLOW DOWN

+24-GOL [0CH 07]
GATE OPEN SLOW DOWN
HI = HI-SPEED, LO = SLOW DOWN

+24-DOF [0CH 08]
AUTOMATIC STAY-OPEN (OPTIONAL)
HI = FULL OPEN, LO = RE-OPEN IF DRIFT CLOSE

RD-(0V) [0CH 02]
LIGHT CURTAIN INPUT
HI = GATE CLOSING, LO = GATE REVERSES
*LIGHT CURTAIN OUTPUT (NPN-SINK) IS LO WHEN BEAMS ARE BLOCKED

+24-RE [0CH 03]
CONTACT REVERSING EDGE (OPTIONAL)
HI = GATE REVERSES, LO = GATE CLOSING

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1	CUST FF

PEELLE CONTROLLER MANUFACTURED FOR NEMA 1 RATED MACHINE ROOM.

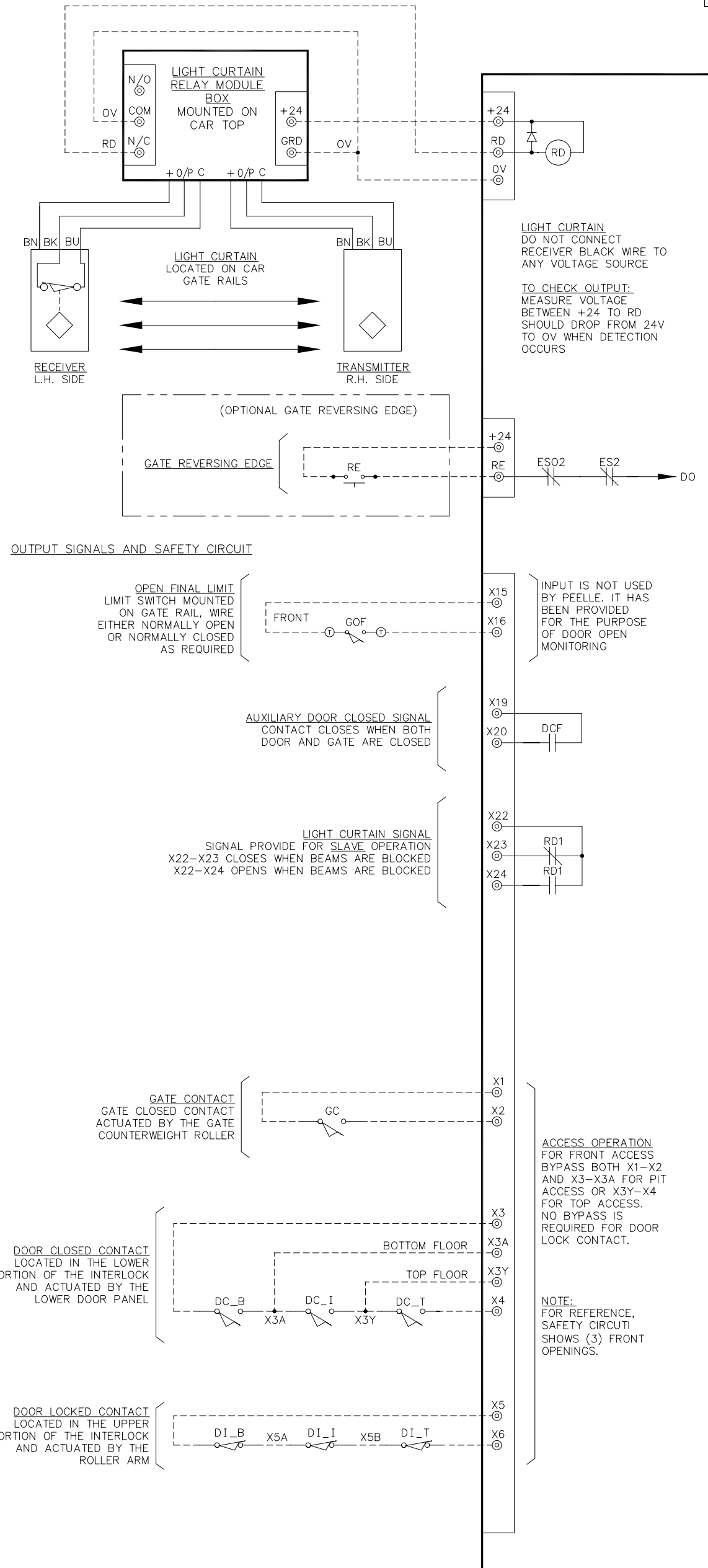
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DOOR CONTROLLER 274200 SINGLE LINE STANDARD OR SLAVE, W/ F.S.		N/A	3 OF 4
DATE	DRAWING		
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LIGHT CURTAIN
DO NOT CONNECT
RECEIVER BLACK WIRE TO
ANY VOLTAGE SOURCE

TO CHECK OUTPUT:
MEASURE VOLTAGE
BETWEEN +24 TO RD
SHOULD DROP FROM 24V
TO 0V WHEN DETECTION
OCCURS

AUXILIARY OUTPUT SIGNALS

X15-X16
GATE OPEN SIGNAL
CONTACT CAN BE WIRED IN FIELD TO CLOSE WHEN GATE IS OPEN OR OPEN WHEN GATE IS OPEN

X19-X20
DOOR CLOSED SIGNAL
CONTACT CLOSING WHEN DOOR AND GATE ARE CLOSED

X22-X23
LIGHT CURTAIN SIGNAL (USED IN SLAVE)
CONTACT CLOSING WHEN BEAMS ARE BLOCKED

X22-X24
LIGHT CURTAIN SIGNAL (USED IN SLAVE)
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 'GC' 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

X1-X2
GATE CLOSED SIGNAL
CONTACT CLOSING WHEN GATE IS CLOSED

X3-X4
DOOR CLOSED SIGNAL
CONTACT CLOSING WHEN DOORS ARE CLOSED

X5-X6
DOOR LOCKED SIGNAL
CONTACT CLOSING WHEN DOORS ARE LOCKED

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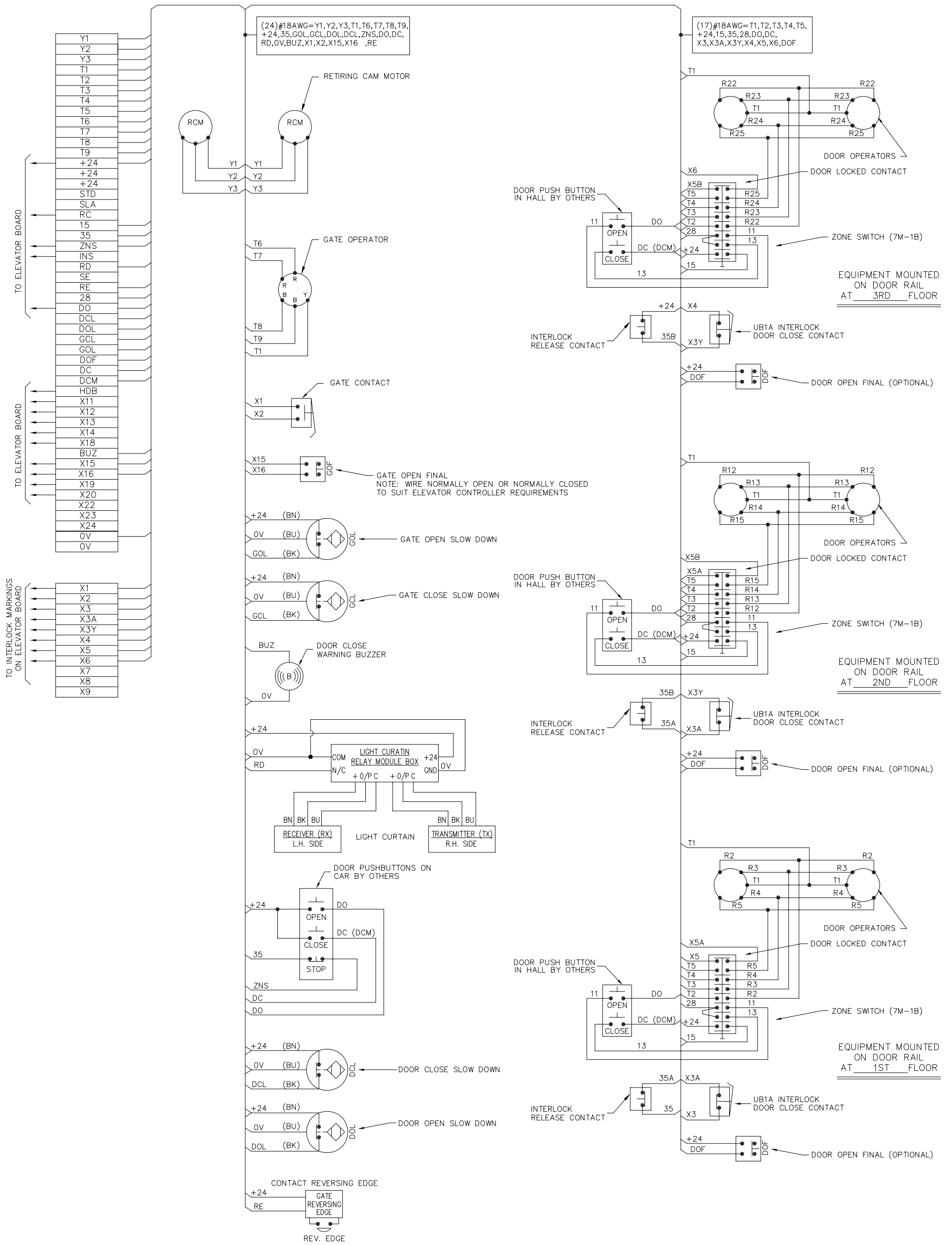
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DATE	DRAWING		
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274200 CONTROLLER – SINGLE LINE



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.

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HOISTWAY WIRING 274200 SINGLE LINE		N/A	1 OF 1
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DRAWN BY	SD-		