

FUSED DISCONNECT SWITCH
BY GENERAL CONTRACTOR
30A OR SMALLEST POSSIBLE
400V, 480V OR 600V AC 3PH
FOR DOOR POWER TERMINATION.

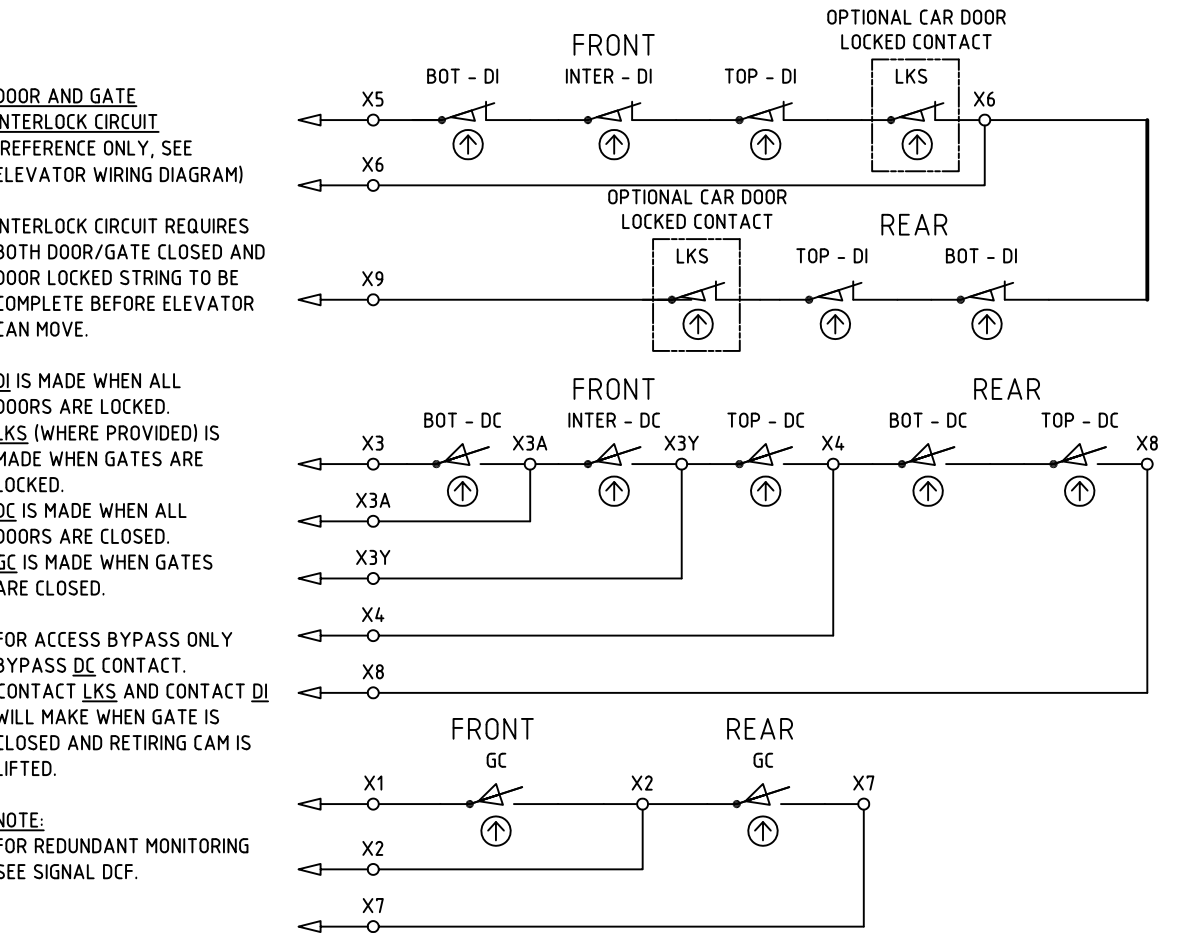
BATTERY BACKUP
FOR UPS BATTERY BACKUP WIRING REFER TO
ELEVATOR CONTROL PRINTS

SPRINKLER ACTIVATION
WHERE PROVIDED WITH AUTOMATIC DISCONNECT
MEANS SHALL ALSO DISCONNECT THE DOOR POWER.

WIRE SIZE
USE #14AWG [2MM] COPPER WIRE ON 10A BRANCH
CIRCUITS TO CONTROLLERS. IF NECESSARY
"DOUBLE-UP" #18 AWG [1MM] WIRE.

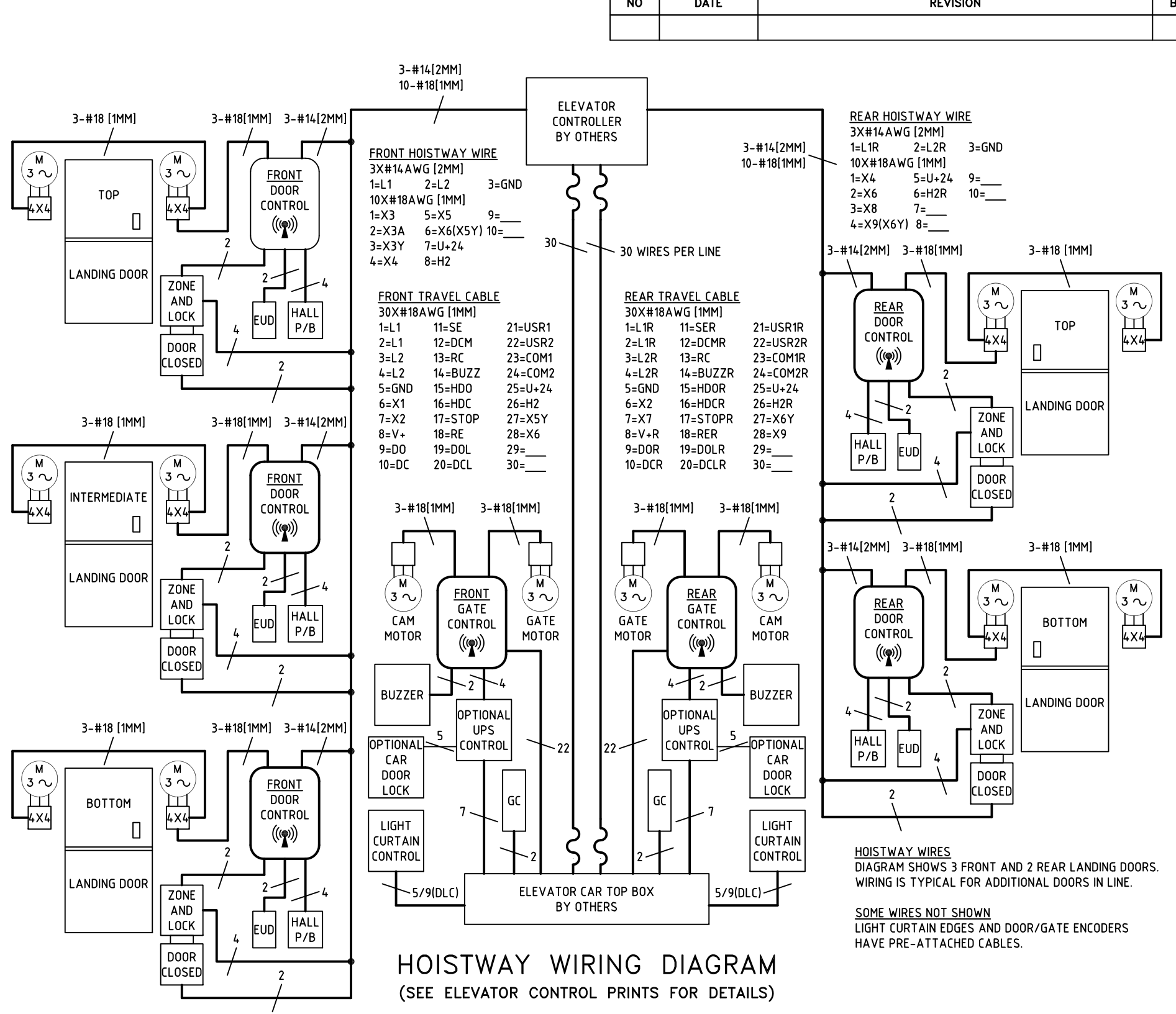
ELECTRICAL CODE
THIS DRAWING IS PROVIDED FOR REFERENCE. WIRING
MUST CONFORM TO THE LOCAL ELECTRICAL CODE.

DOOR CONTROL POWER CIRCUIT



NOTE:
FOR REDUNDANT MONITORING
SEE SIGNAL DCF.

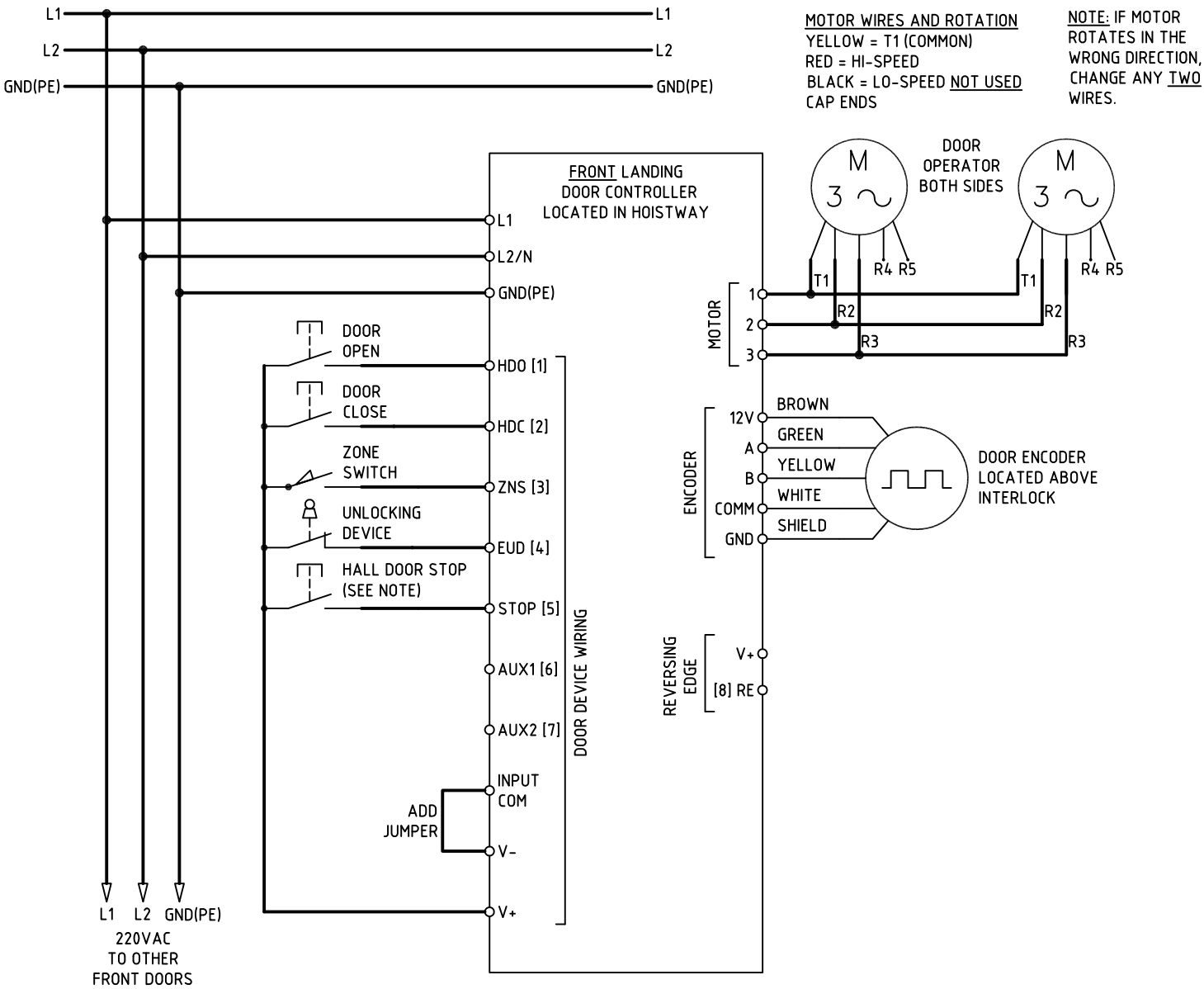
INTERLOCK SAFETY CIRCUIT FOR REFERENCE ONLY! (SEE ELEVATOR CONTROL PRINTS FOR DETAILS)



HOISTWAY WIRING DIAGRAM (SEE ELEVATOR CONTROL PRINTS FOR DETAILS)

ROUTING		JOB INFORMATION		FINISH	
QTY	DEPARTMENT	JOB NO.	2013-		
	MANUFACTURED PARTS	JOB NAME	-		
	SPECIAL PARTS	ELEV. NO.	-		
	DOORS / GATES / CABS	LOCATION	-		
	RAILS	CUSTOMER	-		
	ELECTRICAL	CUST PO NO.	-		
	STOCKROOM	CUST JOB NO.	-		
	FINAL ASSEMBLY				
	SHIPPING				
1	SHOP FIELD FOLDER				
1	CUSTOMER F&D				

Freight Elevator Doors Since 1905® PEELLE We still service equipment we built 50 years ago		TITLE WIRING DIAGRAM POWER AND INTERLOCK CIRCUIT HOISTWAY WIRING DIAGRAM		REV	SCALE	SHT
DATE		DRAWING				1 OF 4
DRAWN BY						



DOOR OPEN AND DOOR CLOSE PUSHBUTTONS (HALL)
HALL OPEN AND CLOSE PUSHBUTTON INPUTS ARE TRANSMITTED TO THE CAR GATE CONTROLLER WHEN THE LANDING DOOR CONTROLLER IS ZONED. THE BUTTONS DO NOT DIRECTLY CONTROL DOOR OPERATION. THE CAR GATE CONTROLLER SIGNALS THE ELEVATOR CONTROLLER THROUGH THE HALL OPEN AND HALL CLOSE OUTPUT RELAYS.

ZONE SWITCH (LOCATED IN INTERLOCK)
AUTOMATIC DOOR OPERATION AT A LANDING REQUIRES FLOOR ZONE ZNS INPUT TO BE ON (HIGH) TO ENERGIZE FLOOR MOTORS AND INITIATE CONTROLLER.

EMERGENCY UNLOCKING DEVICE
WIRE UNLOCKING DEVICE SWITCH TO LANDING DOOR CONTROLLER SO THAT THEY ARE CLOSED (HIGH) WHEN RESET. OPENING THE EMERGENCY UNLOCKING DEVICE WILL TURN EUD INDICATOR ON. PULL CHAIN TO UNLOCK DOOR. RESET SWITCH TO RETURN TO OPERATION (EUD INPUT WILL DISPLAY OFF).

HALL DOOR STOP BUTTON (WHERE PROVIDED)
HALL DOOR STOP PUSHBUTTON (N.O. OR N.C.) INPUT IS TRANSMITTED TO THE CAR GATE CONTROLLER WHEN THE LANDING DOOR CONTROLLER IS ZONED. THE BUTTON WILL STOP THE DOORS AND THE CAR GATE CONTROLLER SIGNALS THE ELEVATOR CONTROLLER THROUGH DOOR STOP OUTPUT RELAY. SET PARAMETER 96 TO 00 FOR N.O. BUTTON OR 01 FOR N.C. BUTTON.

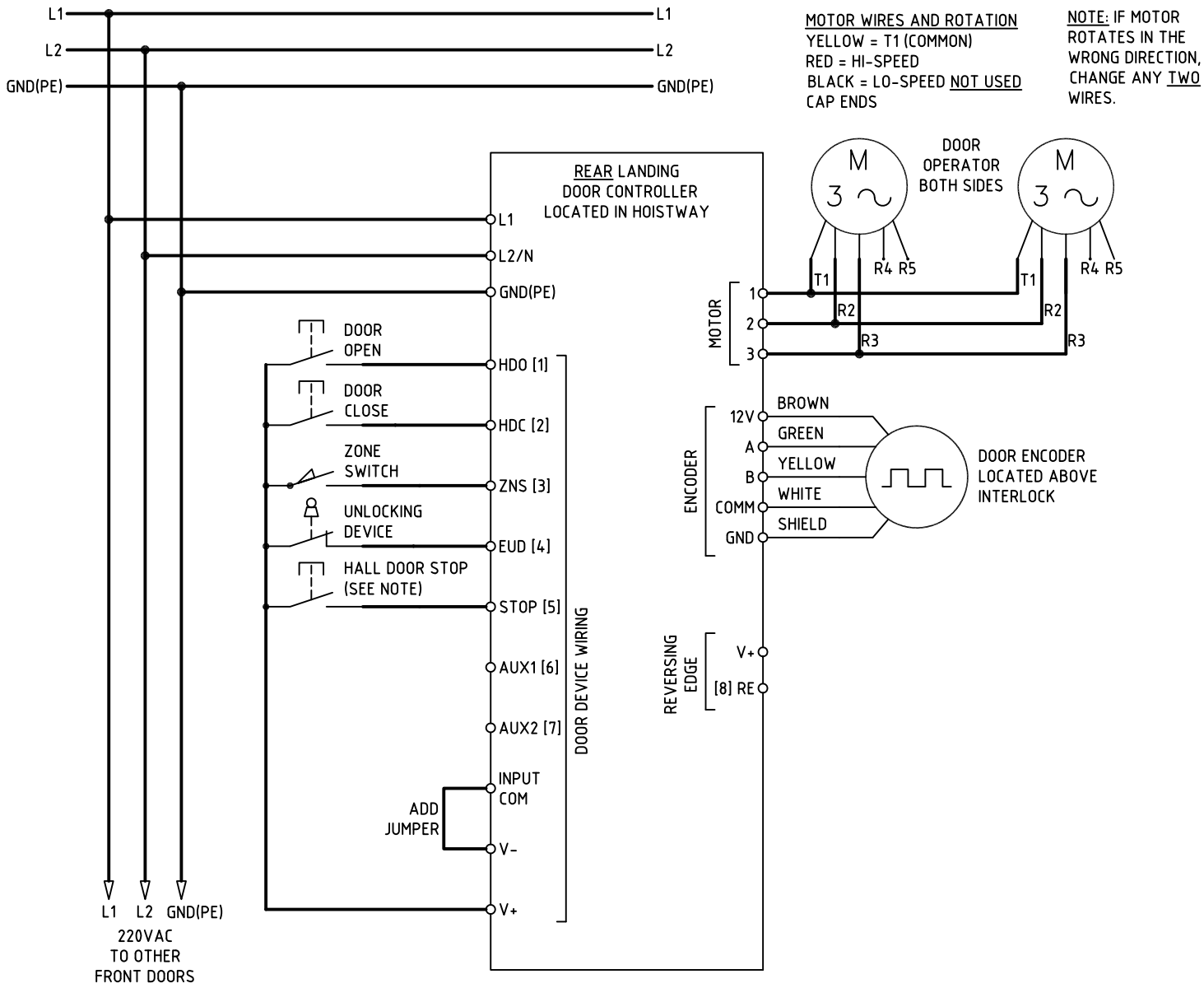
LIGHT CURTAIN (WHERE PROVIDED)
LANDING DOOR LIGHT CURTAIN SIGNAL IS TRANSMITTED TO THE CAR GATE CONTROLLER THROUGH RE INPUT WHEN THE LANDING DOOR CONTROLLER IS ZONED. LIGHT CURTAINS DO NOT DIRECTLY CONTROL DOOR OPERATION. THE CAR GATE CONTROLLER SIGNALS THE ELEVATOR CONTROLLER THROUGH THE REVERSING EDGE OUTPUT RELAY.

INPUT COM
ADD JUMPER FROM V- TO INPUT COM. WIRE ALL LANDING DEVICE SWITCH FROM V+ TO THE INPUT.

INDEPENDENT DOOR OPERATION
USE INDEPENDENT TO LEARN THE DOORS AND SET PARAMETER. SET AUTO/IND SWITCH TO IND. DOORS WILL OPERATE IN INDEPENDENT MODE USING THE OPEN AND CLOSE BUTTONS BELOW THE LCD SCREEN.

AUTOMATIC DOOR OPERATION
AFTER LEARN, SET AUTO/IND SWITCH TO AUTO. IN AUTOMATIC MODE, DOORS WILL ONLY OPEN AND CLOSE ACCORDING THE DO AND DC INPUTS FROM THE CAR GATE CONTROLLER ONLY IF:
-EMERGENCY UNLOCKING DEVICES (EUD) FROM EACH FLOOR MUST ARE RESET. "EUD" WILL BE ON SOLID AT THE FLOOR WHERE EUD IS SET AND FLASH ON ALL OTHER CONTROLLERS.
-THE ZONE (ZNS) INPUT IS ACTIVE (HIGH). "ZONE" WILL BE SHOWN ON LANDING AND CAR GATE CONTROLLER.
-MULTIPLE ZONE INPUTS (FROM OTHER FLOORS) WILL DEACTIVE ALL DOORS. "MULTI ZONE" WILL BE SHOWN ON CAR GATE CONTROLLER.
-HALL DOOR STOP BUTTON WILL DEACTIVE DOORS.

NOTE FOR 220VAC POWER:
USE L1 AND L2 FOR COMPLETE SET OF STAGGERED FRONT AND REAR OPENINGS.



REAR LANDING DOOR CONTROLLER WIRING ALL FLOORS WIRED SIMILAR (1 FLOOR SHOWN)

ROUTING		JOB INFORMATION		FINISH		
QTY	DEPARTMENT	JOB NO.	2013-	<div>Freight Elevator Doors Since 1905 PEELLE We still service equipment we built 50 years ago</div>		
	MANUFACTURED PARTS	JOB NAME	-			
	SPECIAL PARTS	ELEV. NO.	-	TITLE		
	DOORS / GATES / CABS	LOCATION	-	LANDING DOOR WIRING		
	RAILS	CUSTOMER	-	REV		
	ELECTRICAL			SCALE		
	STOCKROOM			SHT		
	FINAL ASSEMBLY			2 OF 4		
	SHIPPING					
1	SHOP FIELD FOLDER	CUST PO NO.	-	DRAWING		
1	CUSTOMER F&D	CUST JOB NO.	-	DATE		
				DRAWN BY		

NO	DATE	REVISION	BY

FRONT CONTROL INTERFACE
INPUTS AND OUTPUTS OF THE CAR GATE CONTROLLER ARE THE ONLY INTERFACE TO THE ELEVATOR CONTROL FOR DOOR OPERATION.
NOTE: FRONT AND REAR INPUTS ARE COMPLETELY SEPARATE.

INPUT COM
ADD JUMPER TO THE **INPUT COM** FROM **V-** WHEN CAR GATE CONTROLLER **V+** IS USED FOR THE INPUT VOLTAGE.
NOTE: WHERE ELEVATOR CONTROL VOLTAGE IS USED, CONNECT INPUT COM TO ELEVATOR CONTROLLER ACCORDING TO ELEVATOR CONTROL PRINTS. DO NOT USE V+ OR V-.

DO - DOOR OPEN - INPUT [1]
CONSTANT SIGNAL REQUIRED TO OPEN DOORS

DC - DOOR CLOSE - INPUT [2]
CONSTANT SIGNAL REQUIRED TO CLOSE DOORS

SE - NUDGING - INPUT [3]
CONSTANT SIGNAL REQUIRED WITH DOOR CLOSE FOR GATE SLOW SPEED CLOSING IN FIRE SERVICE PHASE 1 RECALL.

DCM - FAST CLOSING - INPUT [4]
CONSTANT SIGNAL REQUIRED WITH DOOR CLOSE FOR GATE SLOW SPEED CLOSING IN FIRE SERVICE PHASE 1 RECALL.

RC - RETIRING CAM - INPUT [5]
INPUT REQUIRED TO LIFT CAM AND MOVE CAR. SIGNAL SHOULD BE LOW WHENEVER CAR IS STOPPED.

BUZZ - CLOSE WARNING BUZZER - INPUT [6]
INPUT REQUIRED 5 SECONDS BEFORE AUTOMATIC DOOR CLOSE AND UNTIL DOORS ARE FULLY CLOSED.

AUX2 - INPUT [7] - NOT USED

HALL OPEN - OUTPUT RELAY
CONTACT CLOSSES WHEN ZONED HALL DOOR OPEN BUTTON IS PRESSED.

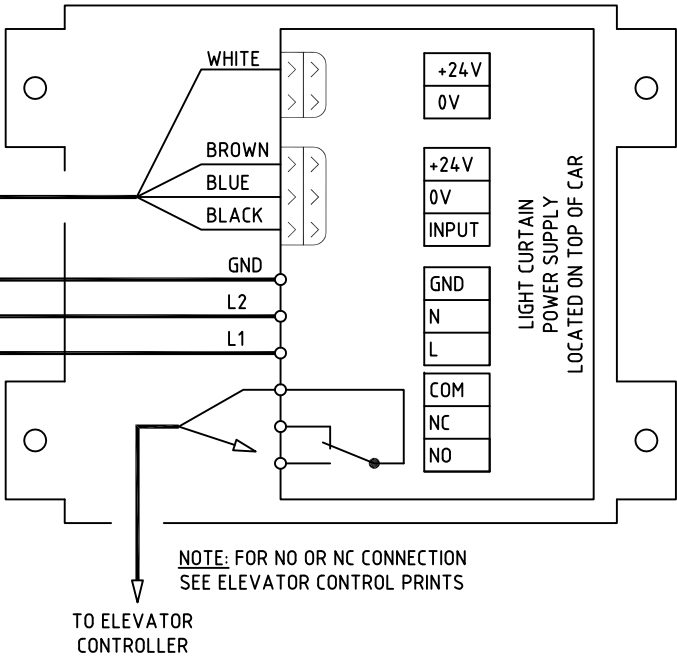
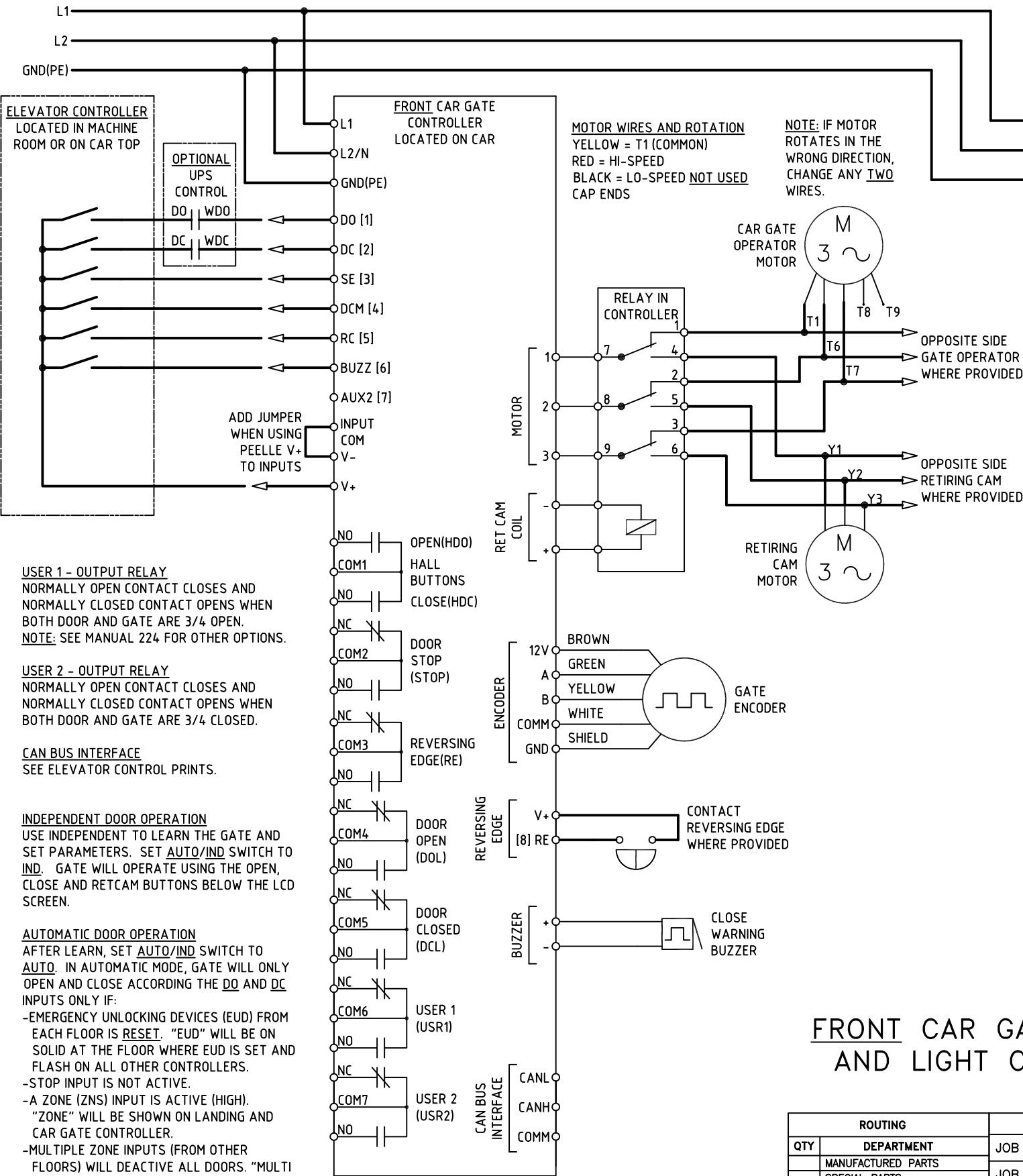
HALL CLOSE - OUPUT RELAY
CONTACT CLOSSES WHEN ZONED HALL DOOR CLOSE BUTTON IS PRESSED.

DOOR STOP - OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSSES AND NORMALLY CLOSED CONTACT OPENS WHEN ZONED HALL DOOR STOP BUTTON IS PRESSED OR DOORS ARE STUCK.
NOTE: SEE SHEET 2 FOR HALL STOP BUTTON WIRING.

REVERSING EDGE - INPUT [8] - OUTPUT RELAY
INPUT - NORMALLY OPEN CONTACT.
OUTPUT - NORMALLY OPEN CONTACT CLOSSES AND NORMALLY CLOSED CONTACT OPENS WHEN EDGE IS ACTIVATED.

DOOR OPEN - OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSSES AND NORMALLY CLOSED CONTACT OPENS WHEN DOOR AND GATE ARE OPEN.

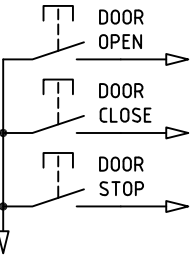
DOOR CLOSED - OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSSES AND NORMALLY CLOSED CONTACT OPENS WHEN ALL DOORS AND GATE ARE CLOSED.
NOTE: SEE PARAMETER 97 FOR POWER-UP MODE.



LIGHT CURTAINS
FOR LIGHT CURTAIN SIGNAL WIRING SEE ELEVATOR CONTROL PRINTS. SIGNALS TO AND FROM THE LIGHT CURTAINS ARE CONTROLLED BY THE ELEVATOR CONTROL.

C.O.P. DOOR OPERATION BUTTONS
CAR OPEN, CLOSE AND STOP BUTTONS ARE WIRED ACCORDING TO THE ELEVATOR CONTROL PRINTS.

GATE CONTACT
SEE SHEET 1 FOR GATE CLOSED CONTACT WIRING.



FRONT CAR GATE CONTROLLER AND LIGHT CURTAIN WIRING

ROUTING		JOB INFORMATION		FINISH			
QTY	DEPARTMENT	JOB NO.	2013-	<div>Freight Elevator Doors Since 1905 PEELLE We still service equipment we built 50 years ago</div>			
	MANUFACTURED PARTS	JOB NAME	-				
	SPECIAL PARTS	ELEV. NO.	-	TITLE CAR GATE WIRING FRONT OPENING		REV	SCALE
	DOORS / GATES / CABS	LOCATION	-				
	RAILS	CUSTOMER	-	DATE		SHT	
	ELECTRICAL						
	STOCKROOM			DRAWING		3 OF 4	
	FINAL ASSEMBLY						
	SHIPPING			DRAWN BY			
1	SHOP FIELD FOLDER	CUST PO NO.	-				
1	CUSTOMER F&D	CUST JOB NO.	-				

NO	DATE	REVISION	BY

REAR CONTROL INTERFACE
INPUTS AND OUTPUTS OF THE CAR GATE
CONTROLLER ARE THE ONLY INTERFACE TO THE
ELEVATOR CONTROL FOR DOOR OPERATION.
NOTE: FRONT AND REAR INPUTS ARE
COMPLETELY SEPARATE.

INPUT COM
ADD JUMPER TO THE **INPUT COM** FROM **V-** WHEN CAR GATE CONTROLLER **V+** IS USED FOR THE INPUT VOLTAGE.
NOTE: WHERE ELEVATOR CONTROL VOLTAGE IS USED, CONNECT **INPUT COM** TO ELEVATOR CONTROLLER ACCORDING TO ELEVATOR CONTROL PRINTS. DO NOT USE **V+** OR **V-**.

DO - DOOR OPEN - INPUT [1]
CONSTANT SIGNAL REQUIRED TO OPEN DOORS

DC - DOOR CLOSE - INPUT [2]
CONSTANT SIGNAL REQUIRED TO CLOSE DOORS

SE - NUDGING - INPUT [3]
CONSTANT SIGNAL REQUIRED WITH DOOR CLOSE
FOR GATE SLOW SPEED CLOSING IN FIRE SERVICE
PHASE 1 RECALL.

DCM - FAST CLOSING - INPUT [4]
CONSTANT SIGNAL REQUIRED WITH DOOR CLOSE
FOR GATE SLOW SPEED CLOSING IN FIRE SERVICE
PHASE 1 RECALL.

RC - RETIRING CAM - INPUT [5]
INPUT REQUIRED TO LIFT CAM AND MOVE CAR.
SIGNAL SHOULD BE LOW WHENEVER CAR IS
STOPPED.

BUZZ - CLOSE WARNING BUZZER - INPUT [6]
INPUT REQUIRED 5 SECONDS BEFORE AUTOMATIC
DOOR CLOSE AND UNTIL DOORS ARE FULLY
CLOSED.

AUX2 - INPUT [7] - NOT USED

HALL OPEN - OUTPUT RELAY
CONTACT CLOSES WHEN ZONED HALL DOOR OPEN
BUTTON IS PRESSED.

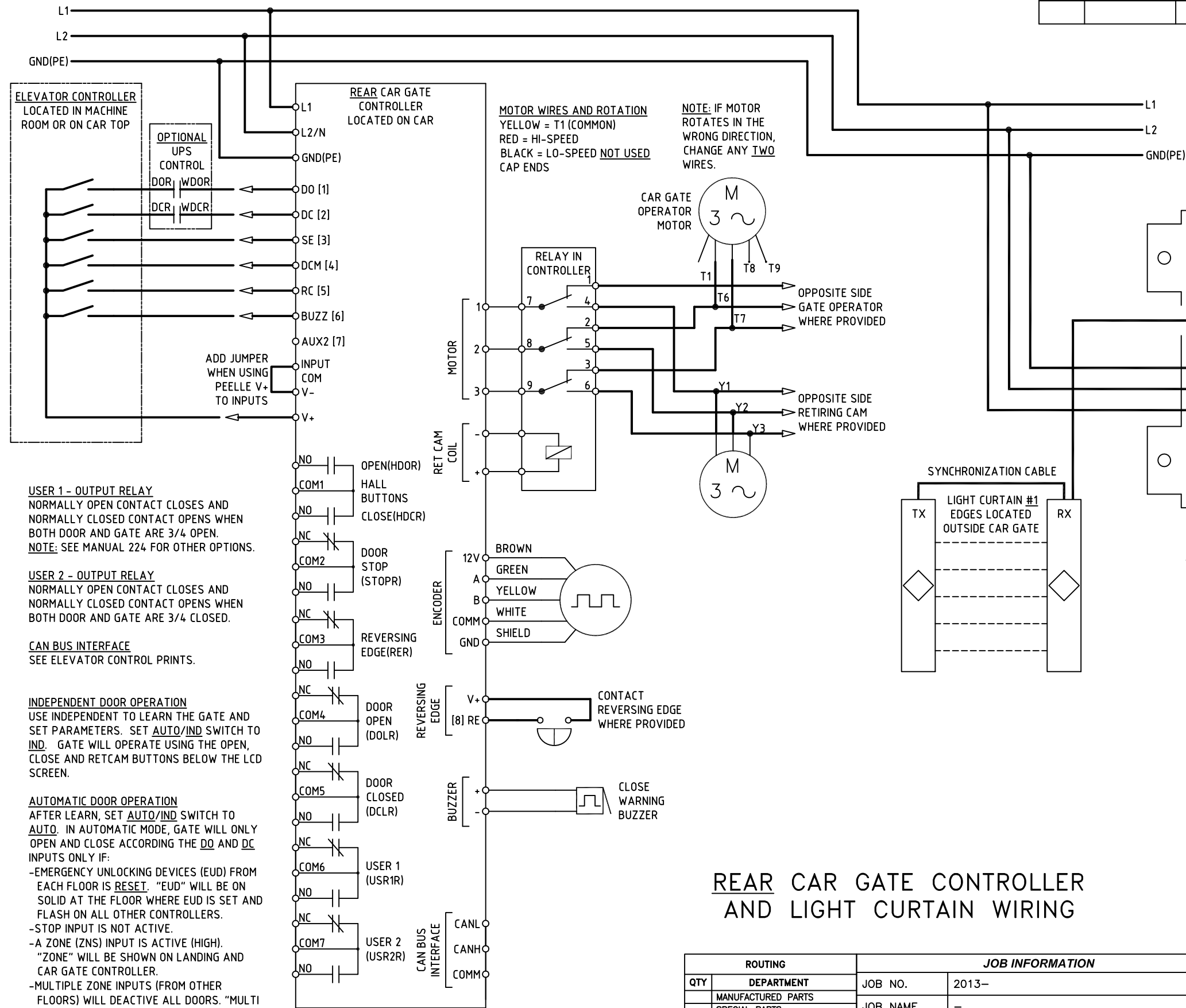
HALL CLOSE - OUPUT RELAY
CONTACT CLOSES WHEN ZONED HALL DOOR
CLOSE BUTTON IS PRESSED.

DOOR STOP – OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSES AND
NORMALLY CLOSED CONTACT OPENS
WHEN ZONED HALL DOOR STOP BUTTON IS
PRESSED OR DOORS ARE STUCK.
**NOTE: SEE SHEET 2 FOR HALL STOP BUTTON
WIRING.**

REVERSING EDGE - INPUT [8] - OUTPUT RELAY
INPUT - NORMALLY OPEN CONTACT.
OUTPUT - NORMALLY OPEN CONTACT CLOS
AND NORMALLY CLOSED CONTACT OPENS WHEN
EDGE IS ACTIVATED.

DOOR OPEN - OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSES AND
NORMALLY CLOSED CONTACT OPENS WHEN DOOR
AND GATE ARE OPEN.

DOOR CLOSED - OUTPUT RELAY
NORMALLY OPEN CONTACT CLOSSES AND
NORMALLY CLOSED CONTACT OPENS WHEN ALL
DOORS AND GATE ARE CLOSED.
NOTE: SEE PARAMETER 97 FOR POWER-UP MODE.



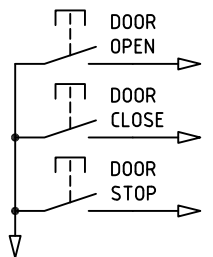
NOTE: FOR NO OR NC CONNECTION
SEE ELEVATOR CONTROL PRINTS

TO ELEVATOR
CONTROLLER


LIGHT CURTAINS
FOR LIGHT CURTAIN SIGNAL WIRING SEE
ELEVATOR CONTROL PRINTS. SIGNALS
TO AND FROM THE LIGHT CURTAINS ARE
CONTROLLED BY THE ELEVATOR
CONTROL.

C.O.P. DOOR OPERATION BUTTONS
CAR OPEN, CLOSE AND STOP BUTTONS
ARE WIRED ACCORDING TO THE
ELEVATOR CONTROL PRINTS.

GATE CONTACT
SEE SHEET 1 FOR GATE CLOSED
CONTACT WIRING.



REAR CAR GATE CONTROLLER AND LIGHT CURTAIN WIRING

ROUTING		JOB INFORMATION		<div>Freight Elevator Doors Since 1905</div> <div></div> <div>We still service equipment we built 50 years ago</div>		FINISH		
QTY	DEPARTMENT	JOB NO.	2013—	<div>TITLE</div> <div>CAR GATE WIRING</div> <div>REAR OPENING</div>		REV	SCALE	SHT
	MANUFACTURED PARTS	JOB NAME	—					4 OF 4
	SPECIAL PARTS	ELEV. NO.	—					
	DOORS / GATES / CABS	LOCATION	—					
	RAILS	CUSTOMER	—					
	ELECTRICAL	CUST PO NO.	—			DATE		DRAWING
	STOCKROOM							
	FINAL ASSEMBLY							
	SHIPPING							
1	SHOP FIELD FOLDER							
1	CUSTOMER F&D							