Summary	Retrofit to Light Curtains from Photo Eyes on VP Doors				
Products Affected	VP Spiral Doors with Photo Eyes				
Key Word Tags	VP, Light Curtain, Retro				
Tools/Equipment (If Required)					
Parts/Materials (If Required)	R00122022 (1ea) LIGHT CURTAIN TRANS, TST LGBS-C,2087MM R00122023 (1ea) LIGHT CURTAIN RCVR, TST LGBE-C,2087MM R00141086 (1ea) CABLE,ENCODER,M12,FEMALE,TYPE A,8PIN,15M R0012154 (1ea) CABLE 4PIN STRAIGHT PE 15M 50' R1071627-0 (10ea) CLIP, LIGHT CURTAIN, FEIG R00142030 (7.5") DIN RAIL R0021671 (2ea) MOUNTING SCREWS R00111017 (4ea) TERMINAL BLOCKS, LARGE R00111021 (2ea) TERMINAL BLOCK, END STOP R00111019 (4ea) TERMINAL BLOCK, SMALL R00111022 (1ea) TERMINAL BLOCK, BARRIER				
Related Media	System 4 Drive and Control Manual, USB Stick with 1.50 software, Bulletin 249				
Author	Mike Burzlaff Rev C	**Issue Date**	6/28/17	**Status**	Active

Please Read The Entire Bulletin Before Proceeding

The spiral VP door can be retrofit from the photo eyes in the bottom of the guides to the light curtains which can allow the auto close timer to be enabled.

Place the door in the full open position and turn off the disconnect.

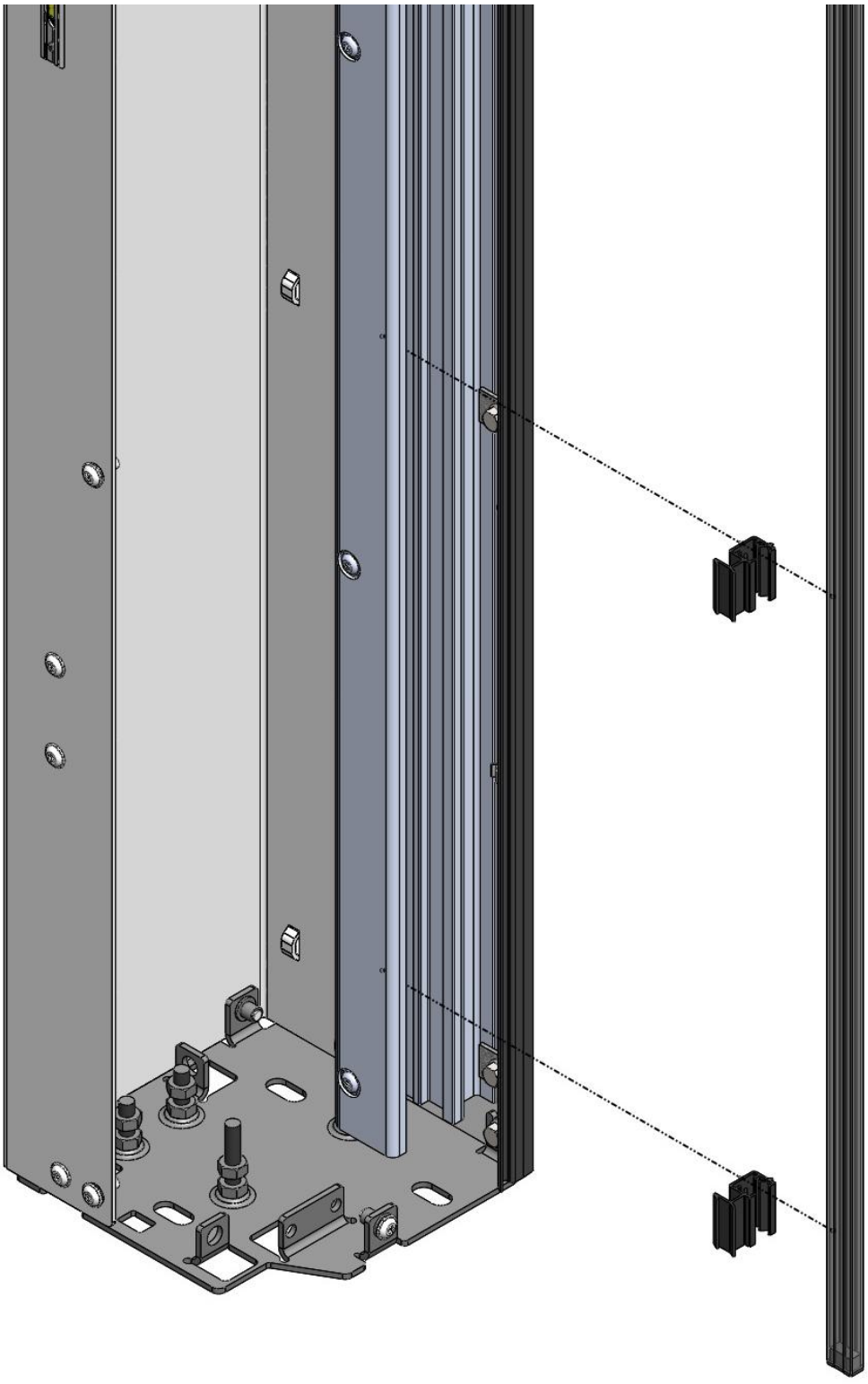
The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

Remove the existing photo eye wiring from the terminal blocks and pull the wires out of the controller. Remove the encoder wires from the encoder terminal block but leave the wires in the controller.

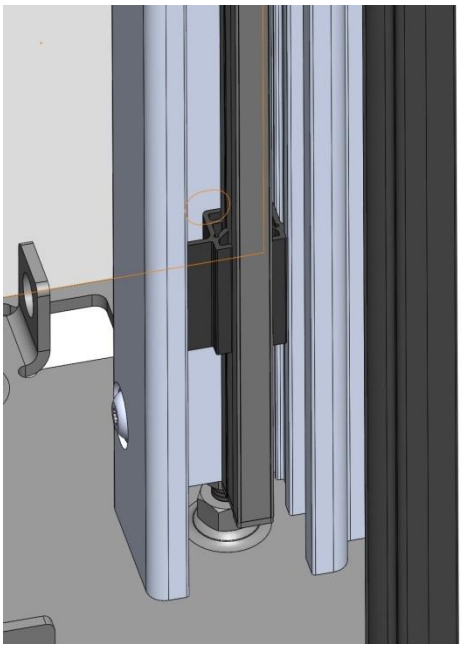
Install the din rail in the lower portion of the control box and install the terminal blocks and end stops onto the din rail. Connect the wires from the controller terminals to the terminal blocks per the schematic below.

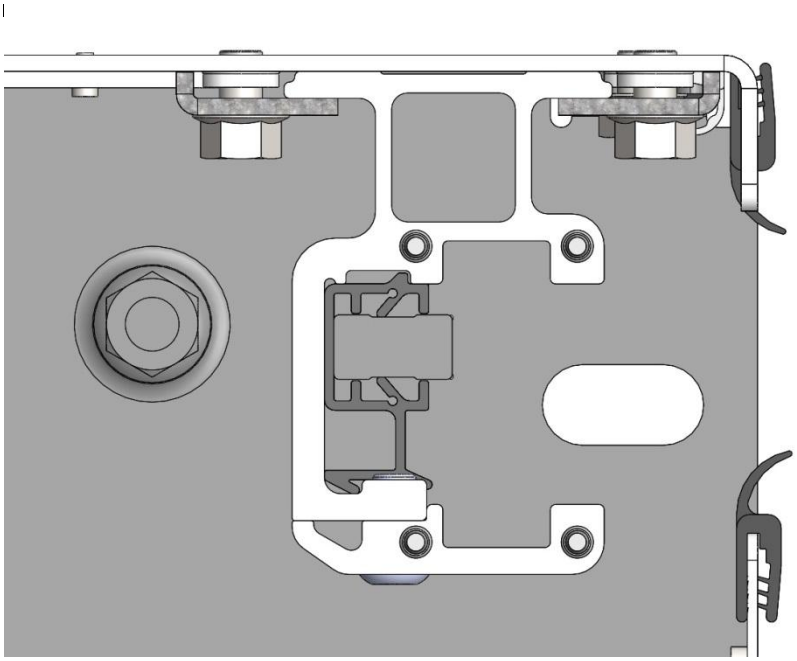
Remove the existing column photo eyes from the guides.

Install the clips provided into the column. Space them out equally for the length of the light curtain.



Install the light curtain into the clips. The cords should be on the top of the guides. The light curtains should be flush to the bottom of the guides, which should be approximately 2” from the baseplate of the column.

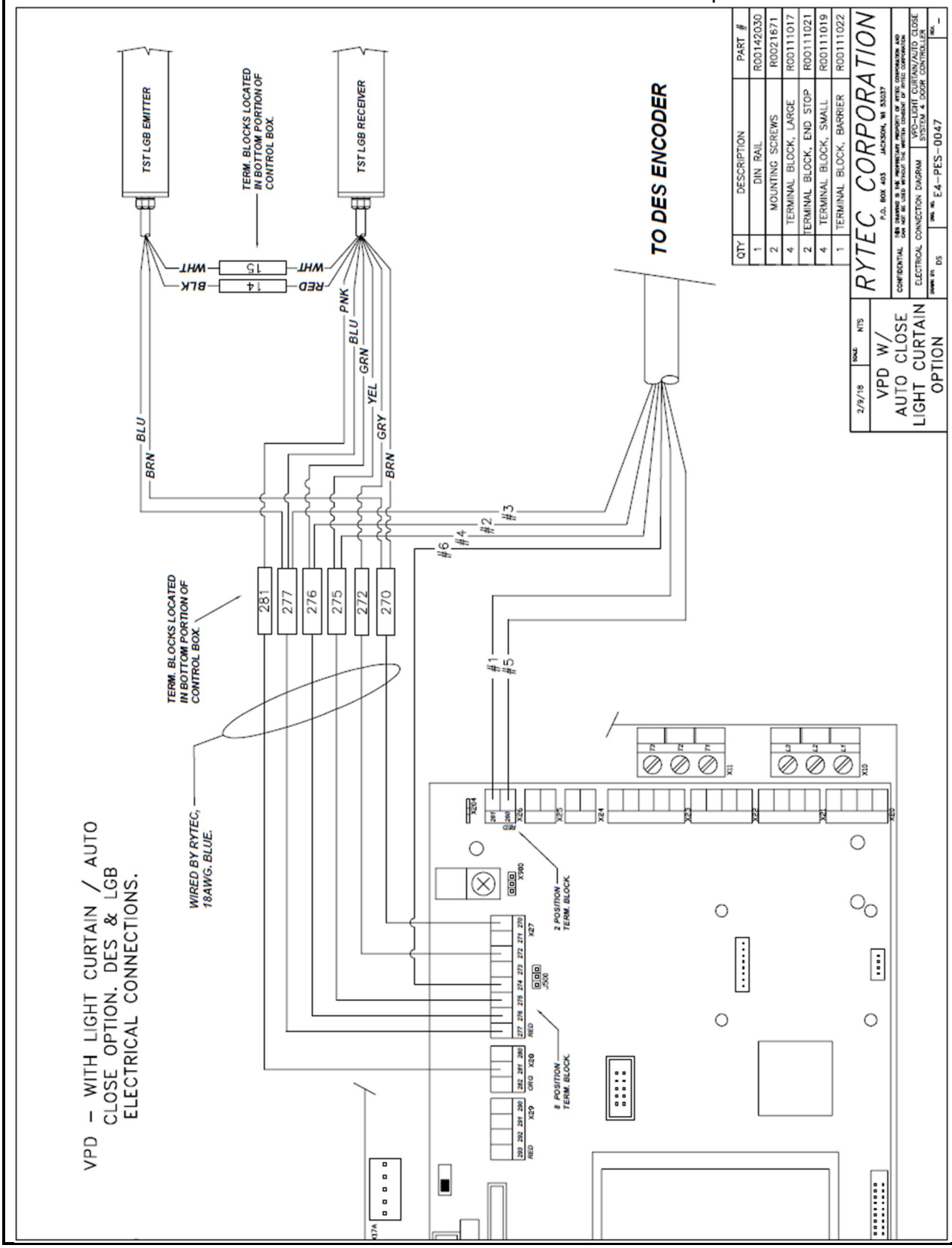




Drill a 5/8” hole in the column above the light curtains on each side of the opening to feed the cable through. The cable needs to be pulled all the way through to prevent being damaged by the rollers during door travel.

Connect the cables and route them to the control box. Make the terminal connections on the din rail terminal blocks as per the schematic below. *NOTE:* Make sure the cables will not interfere with the door travel or the components inside the side columns.

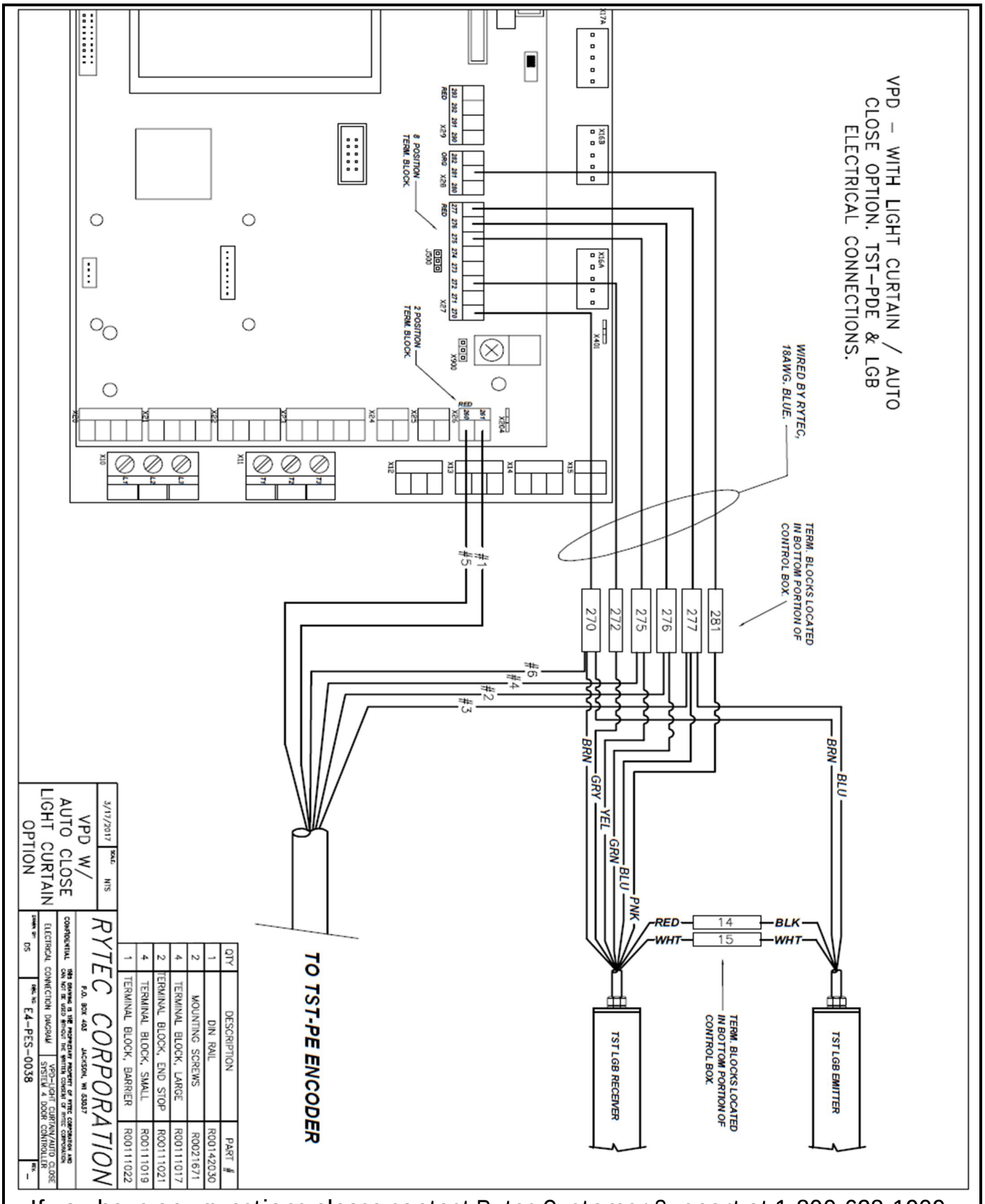
Connect the encoder wires in the control box to the din rail terminals as per the schematic below.



Restore power to the controller.

Insert the USB with version 1.50 software. (Follow Bulletin 249 for software update)

You will need to contact Rytec Tech Support for programming the new default for the light curtains.



If you have any questions please contact Rytec Customer Support at 1-800-628-1909.