

Addendum APEX Operator Station Wiring Changes

The following addendum describes changes to the Apex Operator Station to allow it to be used with legacy WPC 2000 systems, the Apex operating in the 2000-Mode, and full Apex firmware. Prior to this change, the Apex Operator Station could be used only with full Apex firmware systems.

Description of Change

The APEX Operator Station has been updated to provide greater compatibility across Wintriss Press Control configurations. The updated operator station incorporates an additional contactor in the left-hand Run circuit. This change modifies the operator station's interface circuitry to ensure that the Run controls operate appropriately when the station is connected to the different WPC control configurations supported by the APEX Operator Station.

This update expands the application of the APEX Operator Station. The updated circuitry allows the APEX Operator Station design to be used with:

- Legacy WPC 2000 systems
- WPC APEX systems operating in 2000-Mode
- WPC APEX systems operating with full APEX firmware

The updated APEX Operator Station therefore provides a common operator interface across these WPC configurations, simplifying application, installation, and replacement considerations while providing the appropriate interface for each supported control system.

NOTICE

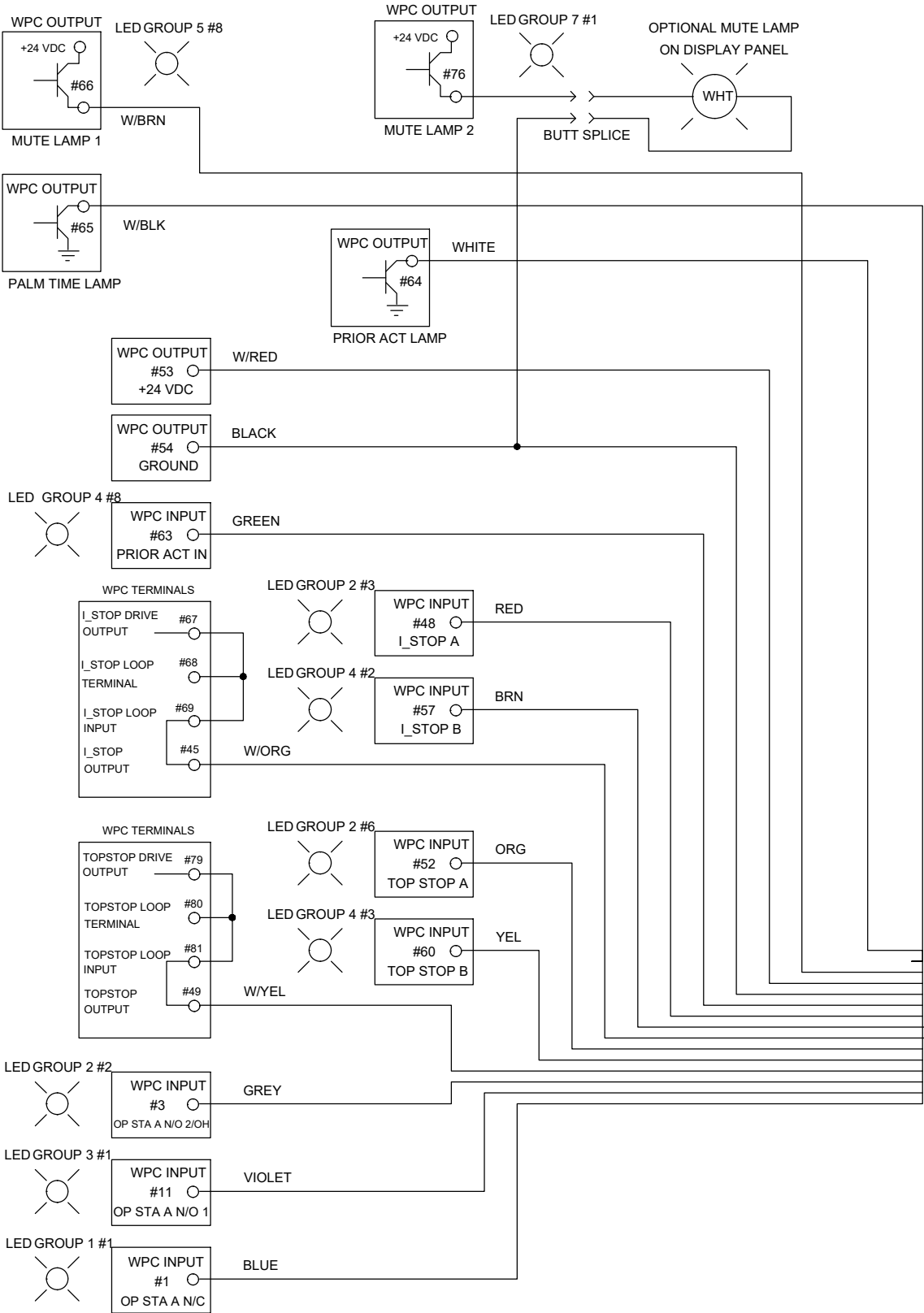
The addition of the third contactor changes the wiring connections associated with the APEX Operator Station. Refer to the wiring drawings included with this addendum for the applicable connection details and terminal information.

When installing or replacing an APEX Operator Station, use the wiring drawing corresponding to the WPC control configuration being installed. The attached drawings identify the required wiring for WPC APEX operating in 2000-Mode, and full APEX firmware systems.

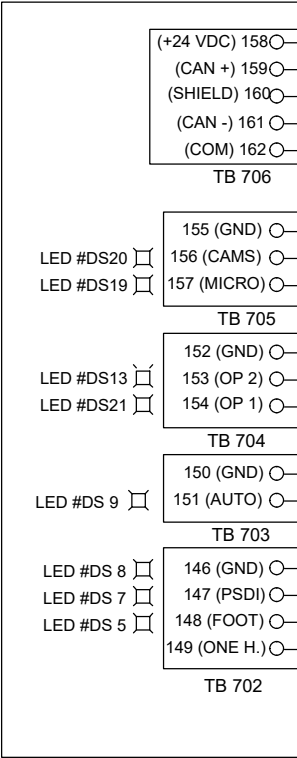
WPC Apex Terminal Block pinout

			LED Location					LED Location	
TB104 - I/O (Weidmuller)			Group . #		TB104 - I/O			Group . #	
44	10	Analog Ground (not connected to 24V GND)			88	20	Light Curtain B 2 input	5 . 6	
43	9	Analog 2 input (cntr balance air)			87	19	Light Curtain A 2 input	7 . 3	
42	8	+24V			86	18	User Input 10 -	7 . 8	
41	7	+24V			85	17	User Input 8 -	7 . 7	
40	6	+24V			84	16	User Input 6 -	7 . 6	
39	5	+24V			83	15	User Input 4 (Counter balance) -	7 . 5	
38	4	+24V			82	14	User Input 2 +	7 . 4	
37	3	Estop String Drive Output			81	13	User Top Stop String in (connects internally to 49)		
36	2	Aux 2 output -			80	12	User Top Stop center loop connection		
35	1	Light Curtain 2 Enable output -			79	11	Top Stop String Drive Output		
			LED Location					LED Location	
TB103 - I/O			Group . #		TB103 - I/O			Group . #	
34	12	Analog Ground (not connected to 24V GND)			78	24	Light Curtain B 1 input	1 . 4	
33	11	Analog 1 input (Main system air)			77	23	Light Curtain A 1 input	7 . 2	
32	10	+24V			76	22	Mute Lamp 2 output +		
31	9	Ground			75	21	Special 3 (DSVA popet pos.) input -	6 . 8	
30	8	Ground			74	20	User Input 9 -	6 . 7	
29	7	Aux 3 Output -			73	19	User Input 7 -	6 . 6	
28	6	Aux 1 Output -			72	18	User Input 5 -	6 . 5	
27	5	Light Curtain 1 Enable output -			71	17	User Input 3 +	6 . 4	
26	4	Special 1 (Flywheel Sen. Dis.) input +	6 . 2		70	16	Special 5 (Rem Reset) input -	6 . 3	
25	3	Ground			69	15	User I_stop String in (connects internally to 45)		
24	2	Overrun Limit Sw input -	6 . 1	GRN	68	14	User I stop center loop connection		
23	1	+24V			67	13	I_stop String Drive Output		
			LED Location					LED Location	
TB102 - I/O (Weidmuller)			Group . #		TB102 - I/O			Group . #	
22	12	Ext Top Stop Limit Sw (Flywheel sensor) -	4 . 10		66	24	Mute Lamp 1 output +		
21	11	User Input 1 +	3 . 9		65	23	Palm Time Lamp output -		
20	10	DSV Monitor input +	4 . 9		64	22	Prior Act Lamp output -		
19	9	Special 4 (DSVB popet pos) input -	4 . 7		63	21	Prior Act Input N/C +	4 . 8	
18	8	User Input 11 -	4 . 6		62	20	Prior Act B out		
17	7	Motor Reverse Input +	4 . 5		61	19	Prior Act A in (connects internally to 62)		
16	6	Bar Mode Actuator Input +	4 . 4		60	18	Top Stop B input +	4 . 3	
15	5	Automatic Actuator N/C input +	3 . 4		59	17	Top Stop B 2 (out)		
14	4	OP STA B N/O 2 / FT Input +	3 . 3		58	16	Top Stop A 2 (in) (connects internally to 59)		
13	3	Special 2 (No Top Stop in INCH) +	4 . 1	GRN	57	15	I_stop B 2 input +	4 . 2	
12	2	OP STA B N/O 1 Input +	3 . 2		56	14	I_stop B2 (out)		
11	1	OP STA A N/O 1 Input +	3 . 1	GRN	55	13	I_stop A2 (in) (connects internally to 56)		
			LED Location					LED Location	
TB101 - I/O			Group . #		TB101 - I/O			Group . #	
10	10	Ground			54	20	Ground		
9	9	+24V			53	19	+24V		
8	8	Main System Air Pressure Sw Input -	1 . 5		52	18	Top Stop A Input +	2 . 6	
7	7	Motor Forward Input +	1 . 3		51	17	Top Stop B1 (out)		
6	6	Bar Mode Selector Switch Input +	2 . 5		50	16	Top Stop A1 (in) (connects internally to 51)		
5	5	Automatic Actuator N/O input +	2 . 4		49	15	Top Stop A out		
4	4	Foot Switch N/C Input +	1 . 2		48	14	I_stop B 1 Input +	2 . 3	
3	3	OP STA A N/O 2 / OH Input +	2 . 2		47	13	I_stop B1 out		
2	2	OP STA B N/C Input +	2 . 1	GRN	46	12	I_stop A1 in (connects internally to 47)		
1	1	OP STA A N/C Input +	1 . 1	GRN	45	11	I_stop Out A		

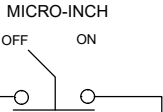
REVISIONS			
REV	DESCRIPTION	DATE	APP'D



WPC APEX HMI CARRIER BOARD (Partial)



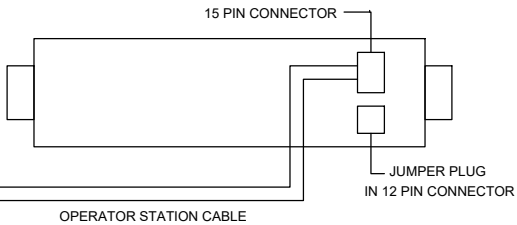
(NOT USED FOR SMARTPAC INTEGRATION)



TO MAKE MICRO INCH SELECTABLE EXTERNALLY
ADD SWITCH SHOWN ABOVE

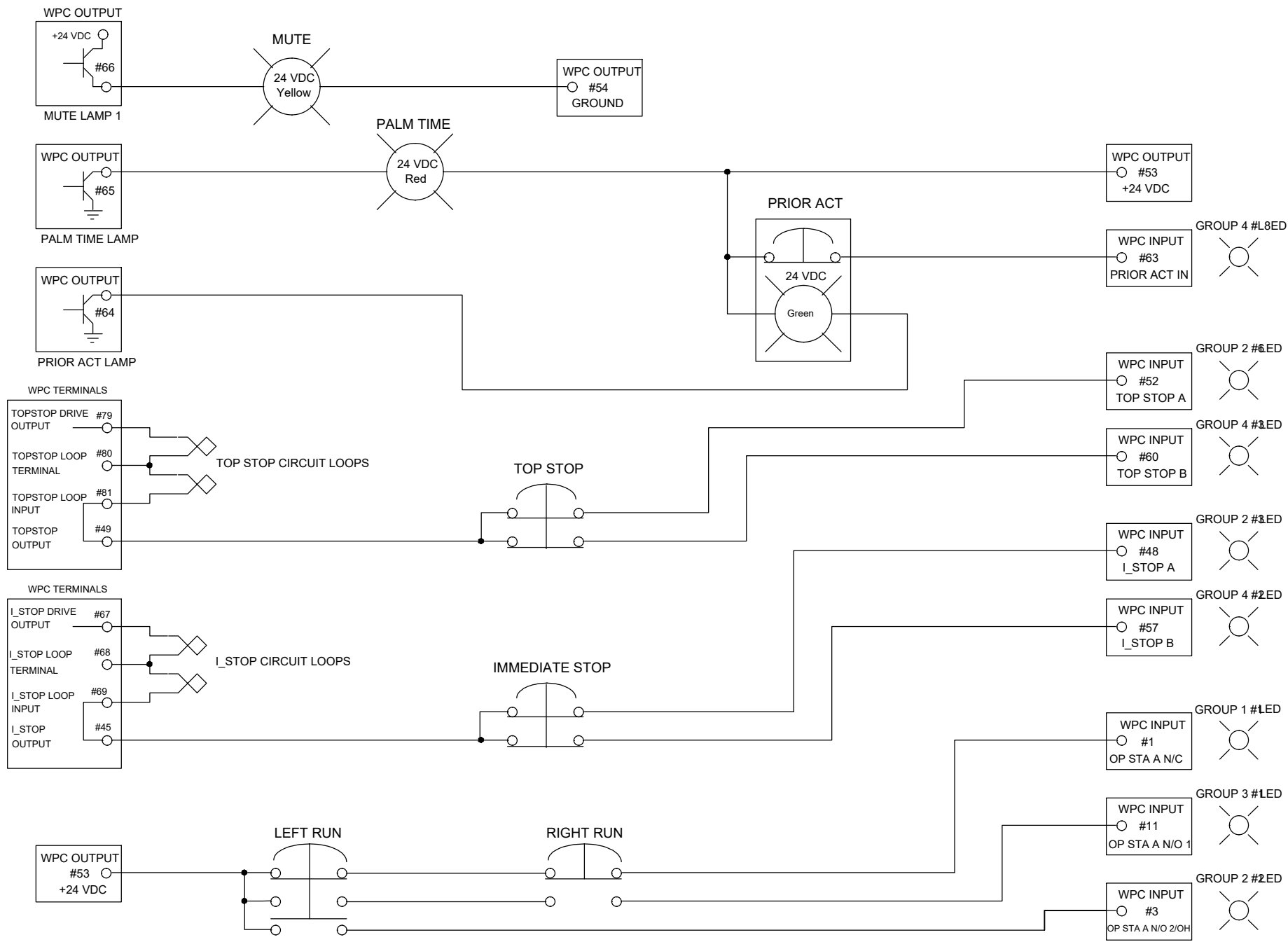
TO TURN ON MICRO INCH ALL THE TIME JUST JUMPER THE
MICRO INCH INPUT TO GROUND

Note: Ensure that on any non-Wintriss supplied operator station run buttons comply with the requirements in table B-2 on page B-2 of the press control manual.



DRAWN	RMB	DATE	8/21/26	WINTRISS CONTROLS GROUP			
CHK.							
APPROVALS				TITLE			
ENG.				WPC APEX OPERATOR STATION A WIRING			
MFG.							
FILENAME				CODE IDENT NO.	SIZE	DRAWING NUMBER	REV
REL					B	FIGURE 1	
SCALE				SHEET OF			

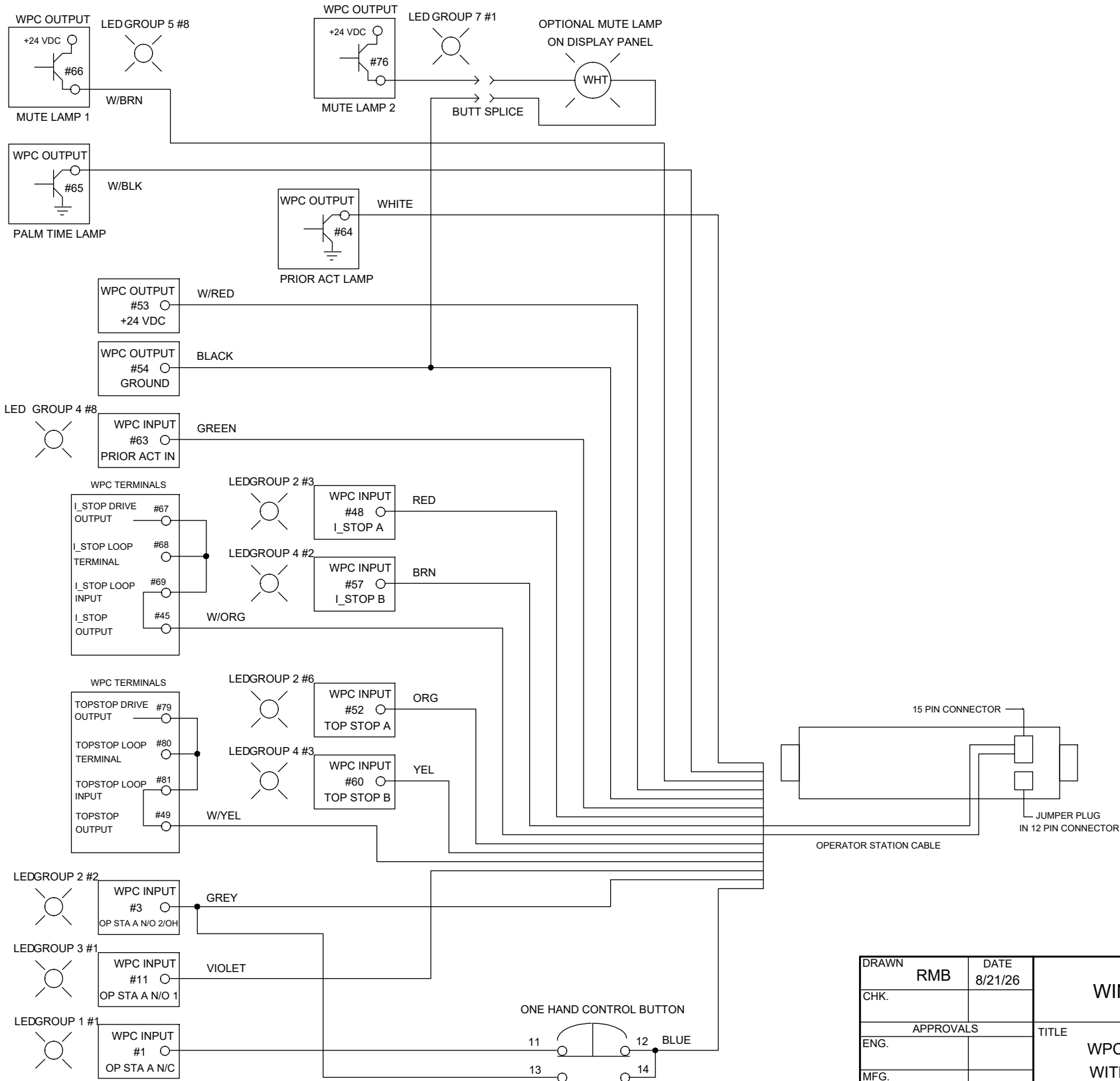
REVISIONS			
REV	DESCRIPTION	DATE	APP'D



Note: Ensure that on any non-Wintriss operator station the Run buttons comply with the requirements in Table B-2 on page B-2.

DRAWN	RMB	DATE	8/21/26	WINTRISS CONTROLS GROUP			
CHK.							
APPROVALS				TITLE WPC APEX OEM OPERATOR STATION			
ENG.							
MFG.							
FILENAME				CODE IDENT NO.	SIZE	DRAWING NUMBER	REV
REL					B	FIGURE 7	
				SCALE		SHEET	OF

REVISIONS			
REV	DESCRIPTION	DATE	APP'D



DRAWN	RMB	DATE	8/21/26	WINTRISS CONTROLS GROUP			
CHK.							
APPROVALS				TITLE			
ENG.				WPC APEX OPERATOR STATION WIRING WITH SEPARATE ONE HAND CONTROL			
MFG.							
FILENAME				CODE IDENT NO.	SIZE	DRAWING NUMBER	REV
REL					B	FIGURE 8	
SCALE				SHEET OF			

