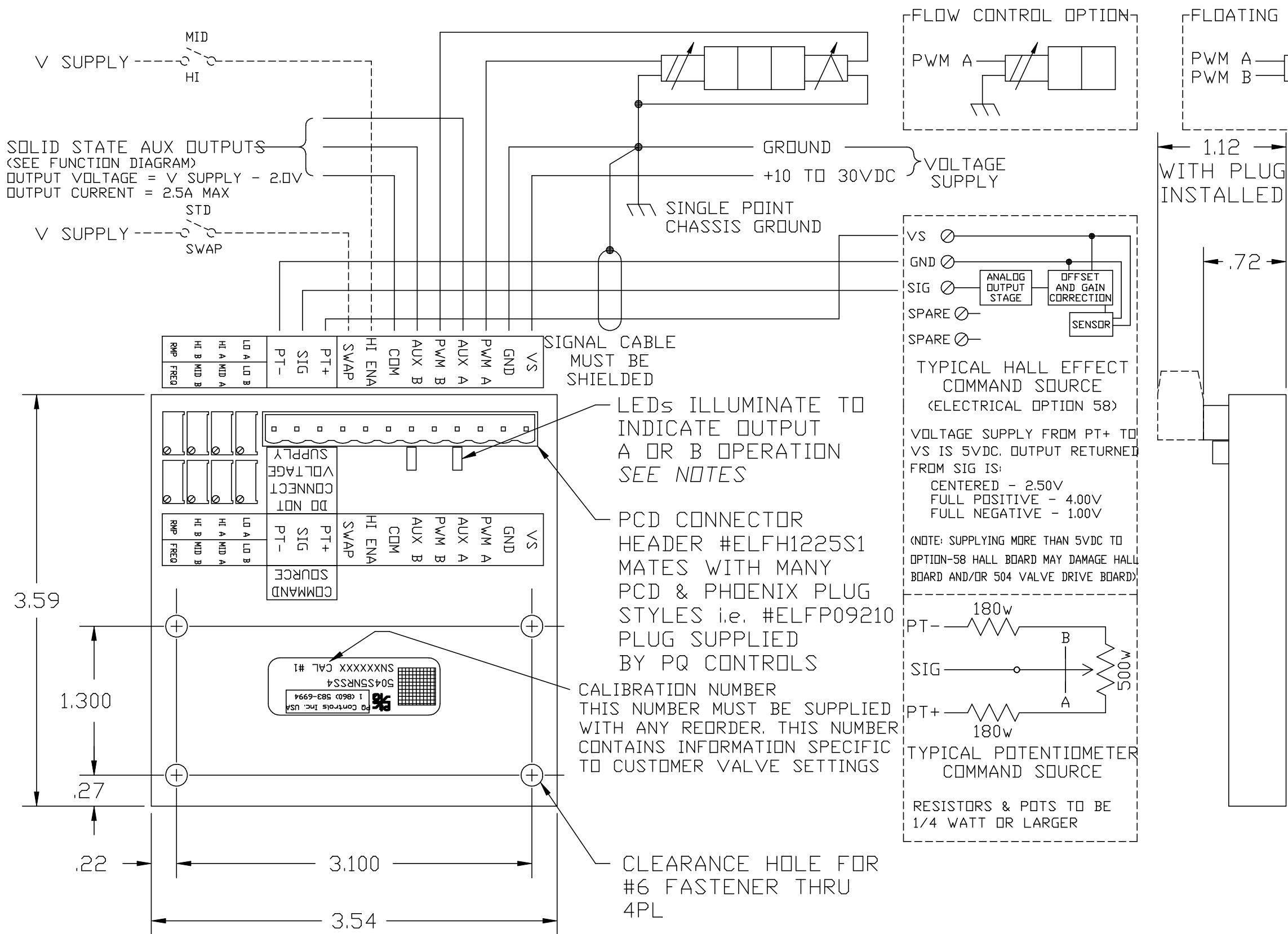
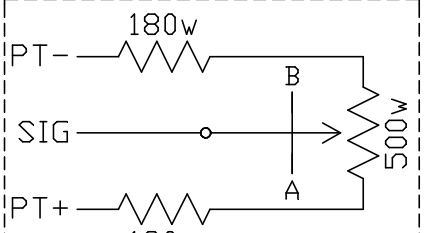


TYPICAL HALL EFFECT
COMMAND SOURCE
(ELECTRICAL OPTION 58)
VOLTAGE SUPPLY FROM PT+ TO
VS IS 5VDC. OUTPUT RETURNED
FROM SIG IS:
CENTERED - 2.50V
FULL POSITIVE - 4.00V
FULL NEGATIVE - 1.00V

(NOTE: SUPPLYING MORE THAN 5VDC TO
OPTION-58 HALL BOARD MAY DAMAGE HALL
BOARD AND/OR 504 VALVE DRIVE BOARD)



TYPICAL POTENTIOMETER
COMMAND SOURCE

RESISTORS & POTS TO BE
1/4 WATT OR LARGER

REV.	DESCRIPTION	DATE
A DAB	UPDATED FOR HALL EFFECT COMMAND SOURCE OPTION	10-18-07
B JCF	ADDED THE FLOATING COIL OPTION	1-10-12
C WJC	ADDED: COMMAND SOURCE DECALS ECR #2317	10-24-13
D WJC	MATING CONNECTOR IS NOW SUPPLIED BY PQ CONTROLS	10-05-16
E WJC	ADDED HEAT SINK ECR #2630	02-04-21
F WJC	REMOVED HEAT SINK ECR #2630	04-01-21

COM AUX		OFF	
AUX B *		OFF	
AUX A *		OFF	
PWM B *	HI MID	OFF	
PWM A *		OFF	HI MID
CONTROL LEVER DISPLACEMENT	100% B	20% B 0% A	20% A 100% A
SIGNAL TO GND PIN	1.0V	2.2V 0	2.8V 4.0V

* IN SWAP MODE "A" BECOMES "B" AND "B" BECOMES "A".

FUNCTION DIAGRAM

- NOTES: 1) VOLTAGE SUPPLY TO VS MAY BE 10 - 30VDC FROM VEHICLE BATTERY OR REGULATED POWER SUPPLY.
DO NOT CONNECT VOLTAGE SUPPLY TO PT+. DOING SO MAY DAMAGE BOARD
2) TURNING TRIMPOT ADJUSTMENT SCREWS CW INCREASES FUNCTION.
NOTE: WHEN MID OPTION IS NOT USED, MID TRIMPOTS ADJUST HI FUNCTION RESPECTIVELY.
3) OUTPUTS & LEDs ARE REVERSED IN SWAP MODE.
4) FLOW CONTROL OPTION USE PWM A OUTPUT.

WARNING: P-Q Controls, Inc. products are intended as general purpose switches. They are NOT safety devices and as with any general purpose devices, malfunctions may occur. If P-Q products are used to initiate an operation where false operation could be dangerous, POINT-OF-OPERATION GUARDING DEVICES must be installed and maintained to meet all appropriate OSHA and ANSI machine safety standards. P-Q Controls, Inc. shall not accept responsibility for installation, application or safety of systems.

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DWG. NO.
B-11114

SHEET

SCALE
1:1

REV.
F

504 INSTALLATION DWG
WITH PADDING RESISTORS OFF BOARD

DRAFTSMAN JCH	CHECK	PROJECT ENGINEER	DATE 02-14-00
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