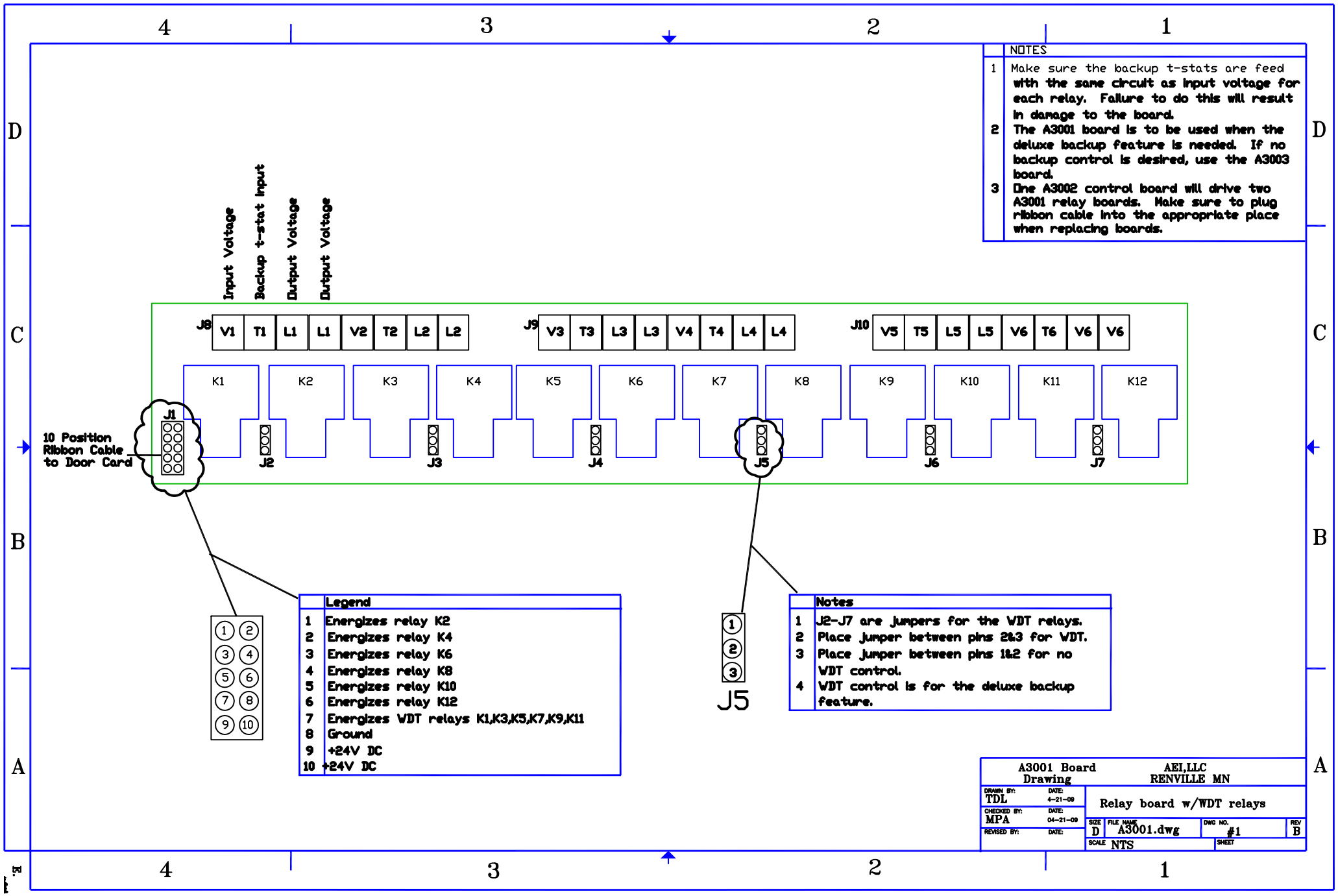

	NOTES
1	Make sure the backup t-stats are feed with the same circuit as input voltage for each relay. Failure to do this will result in damage to the board.
2	The A3001 board is to be used when the deluxe backup feature is needed. If no backup control is desired, use the A3003 board.
3	One A3002 control board will drive two A3001 relay boards. Make sure to plug ribbon cable into the appropriate place when replacing boards.

	Legend
1	Energizes relay K2
2	Energizes relay K4
3	Energizes relay K6
4	Energizes relay K8
5	Energizes relay K10
6	Energizes relay K12
7	Energizes WDT relays K1,K3,K5,K7,K9,K11
8	Ground
9	+24V DC
10	+24V DC

	Notes
1	J2-J7 are jumpers for the WDT relays.
2	Place jumper between pins 2&3 for WDT.
3	Place jumper between pins 1&2 for no WDT control.
4	WDT control is for the deluxe backup feature.

A3001 Board Drawing	AEI,LLC RENVILLE MN
DRAWN BY: TDL	DATE: 4-21-09
CHECKED BY: MPA	DATE: 04-21-09
REVISED BY:	DATE:
Relay board w/WDT relays	
SIZE D	FILE NAME A3001.dwg
DWG NO. #1	REV B
SCALE NTS	SHEET