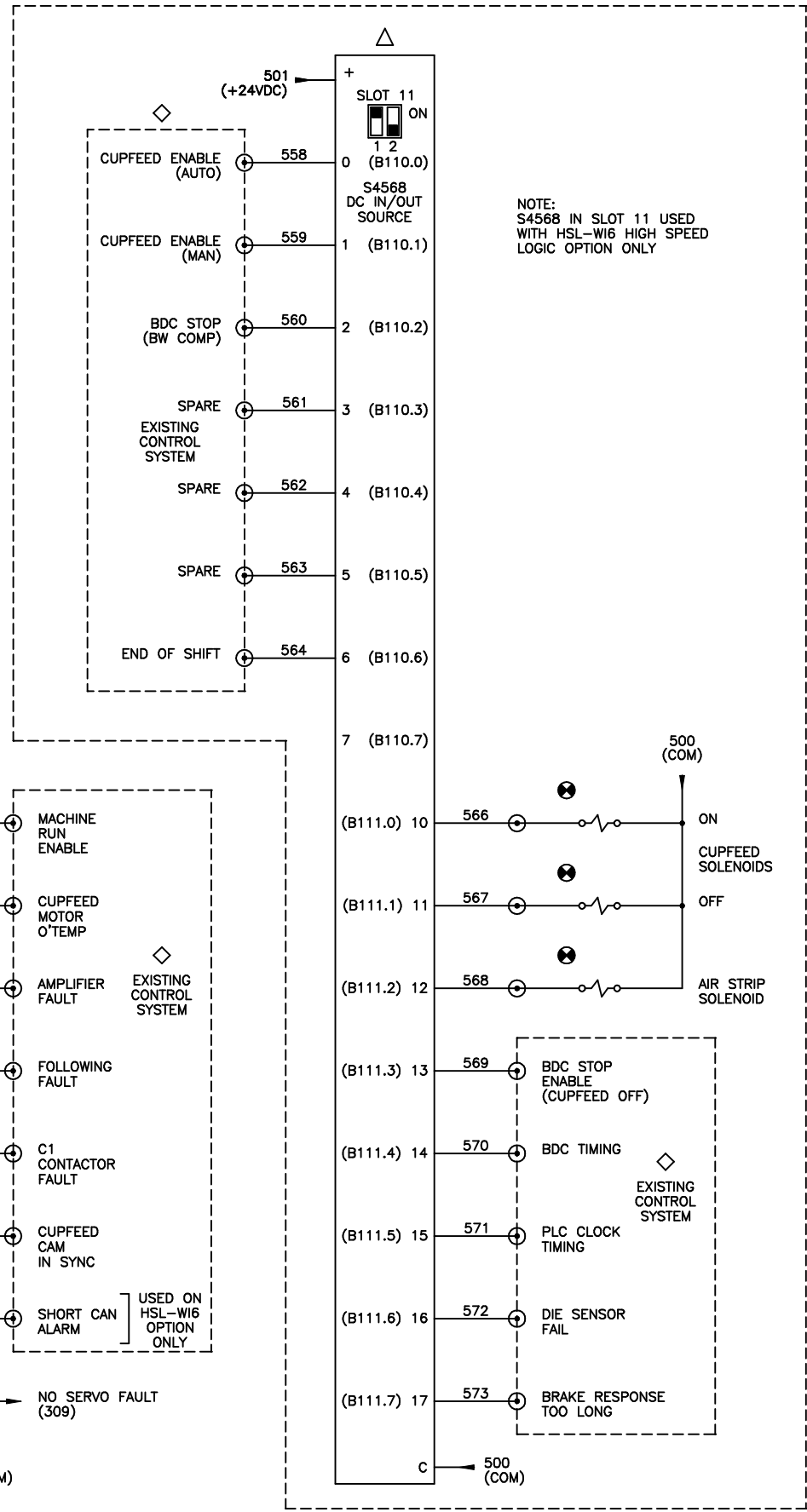
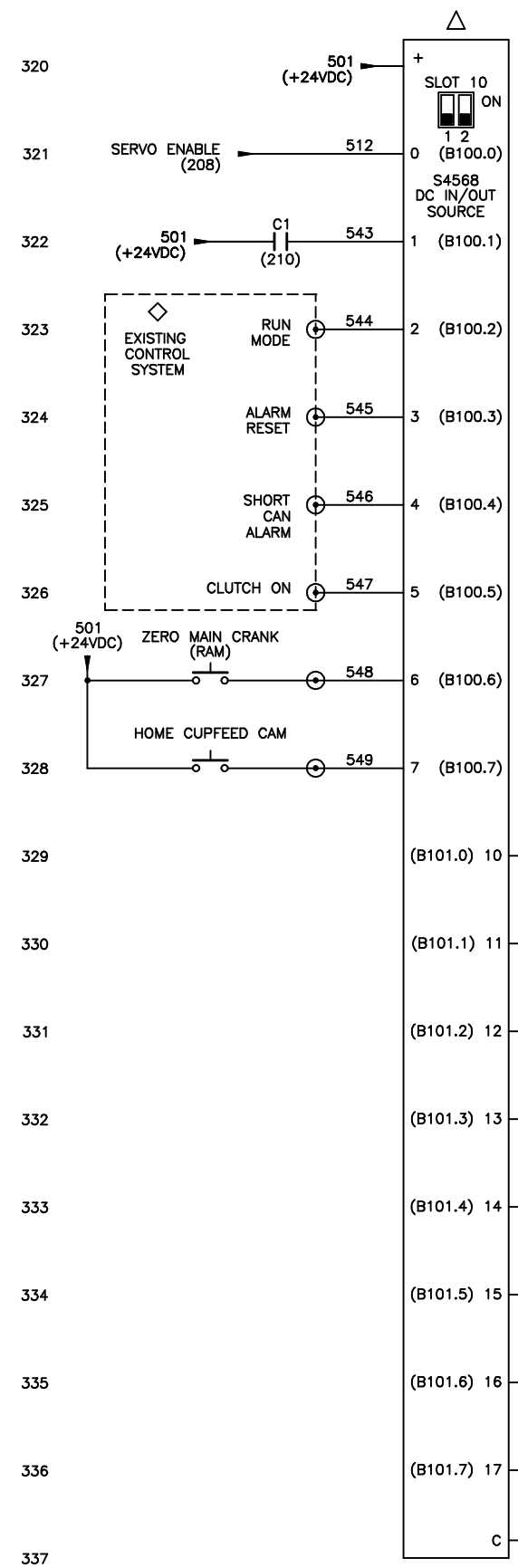
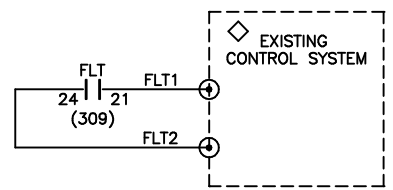
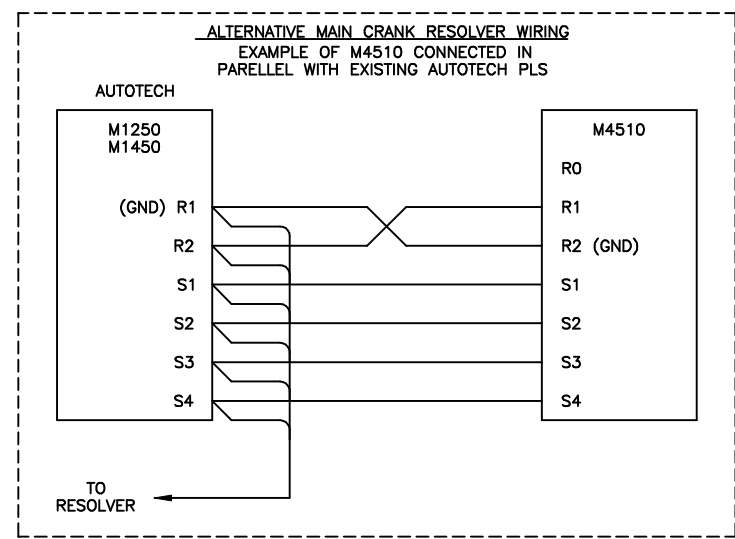
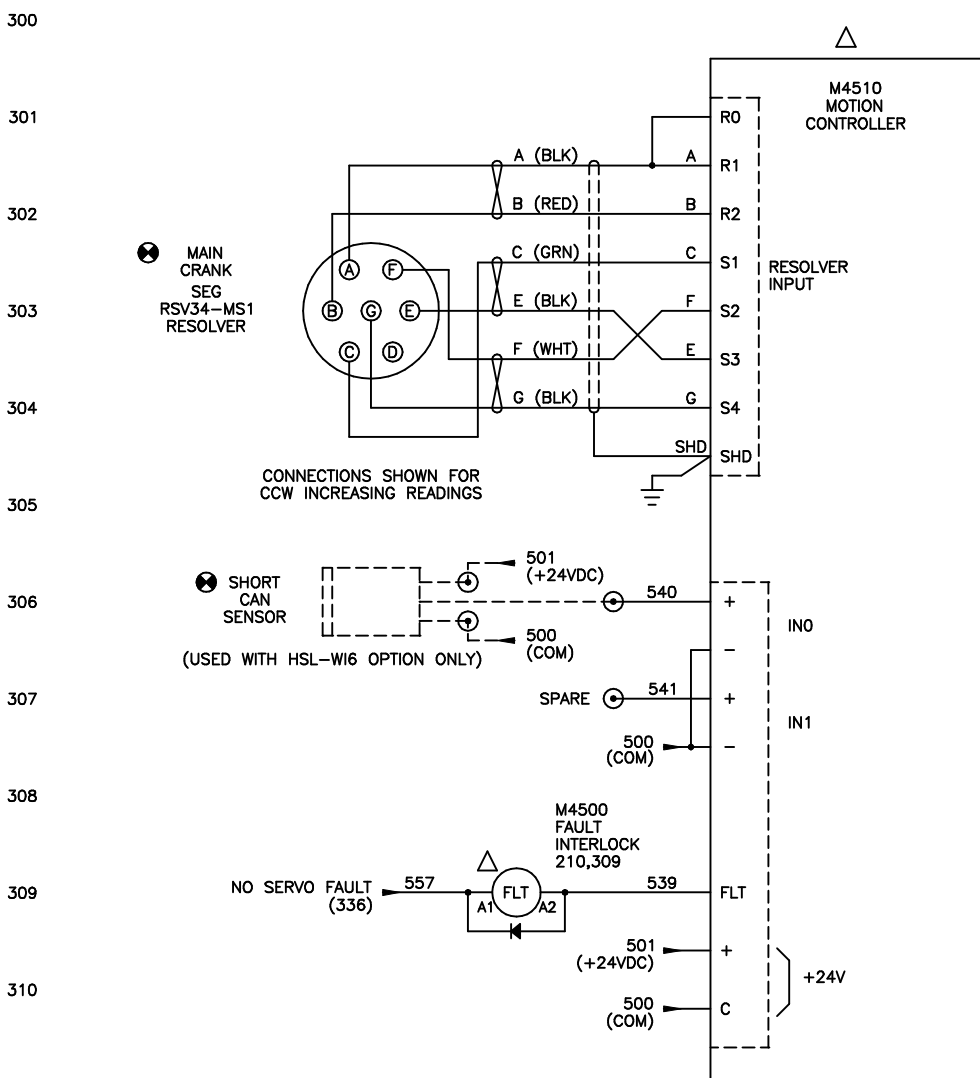


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SYSTEMS ENGINEERING ASSOCIATES, INC.
 ARVADA, COLORADO

SCALE:	APPROVED:	DRAWN BY: MDD
DATE: 6-21-11		REVISED:
RAGSDALE B/M CUPFEED RETROFIT ELECTRICAL CONTROL SCHEMATIC		WO#
SYSTEMS ELECTRONICS GROUP		PT#
		DRAWING NUMBER 14-4226-10

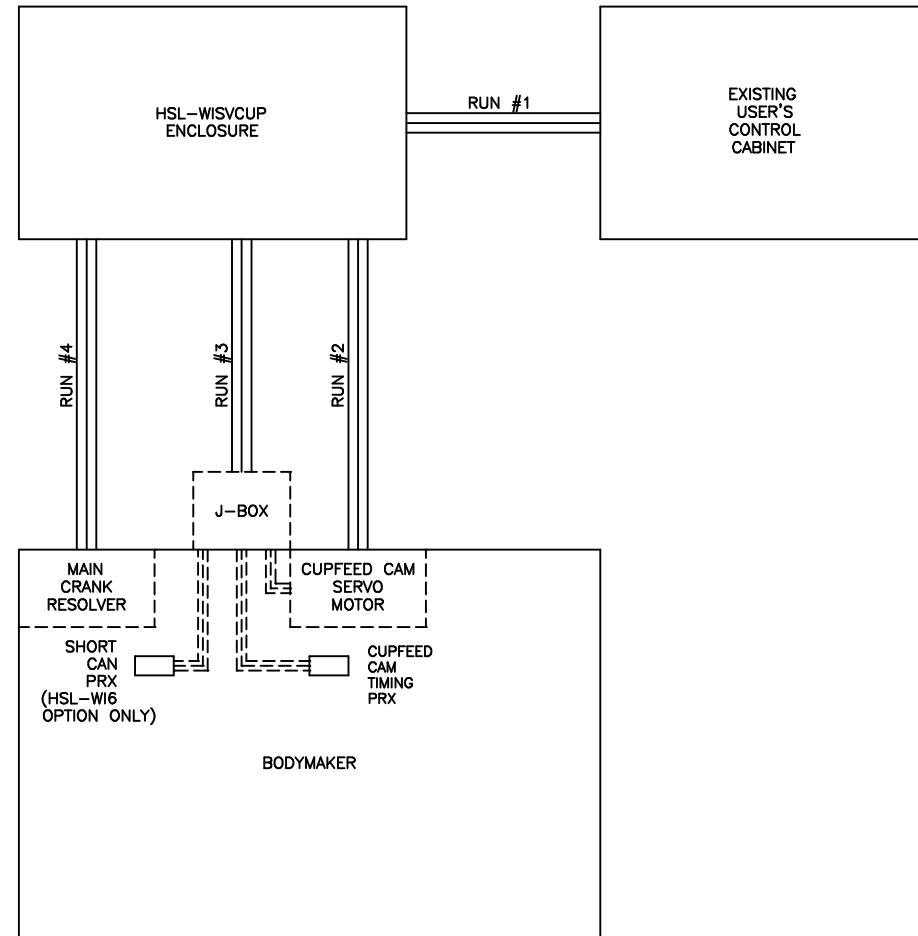


NOTE:
S4568 IN SLOT 11 USED
WITH HSL-WI6 HIGH SPEED
LOGIC OPTION ONLY

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SYSTEMS ENGINEERING ASSOCIATES, INC.
ARVADA, COLORADO

SCALE:	APPROVED:	DRAWN BY: MDD
DATE: 6-21-11	REVISD:	REVISD:
RAGSDALE B/M CUPFEED RETROFIT ELECTRICAL CONTROL SCHEMATIC		WO#
SYSTEMS ELECTRONICS GROUP		PT#
		DRAWING NUMBER 14-4226-10



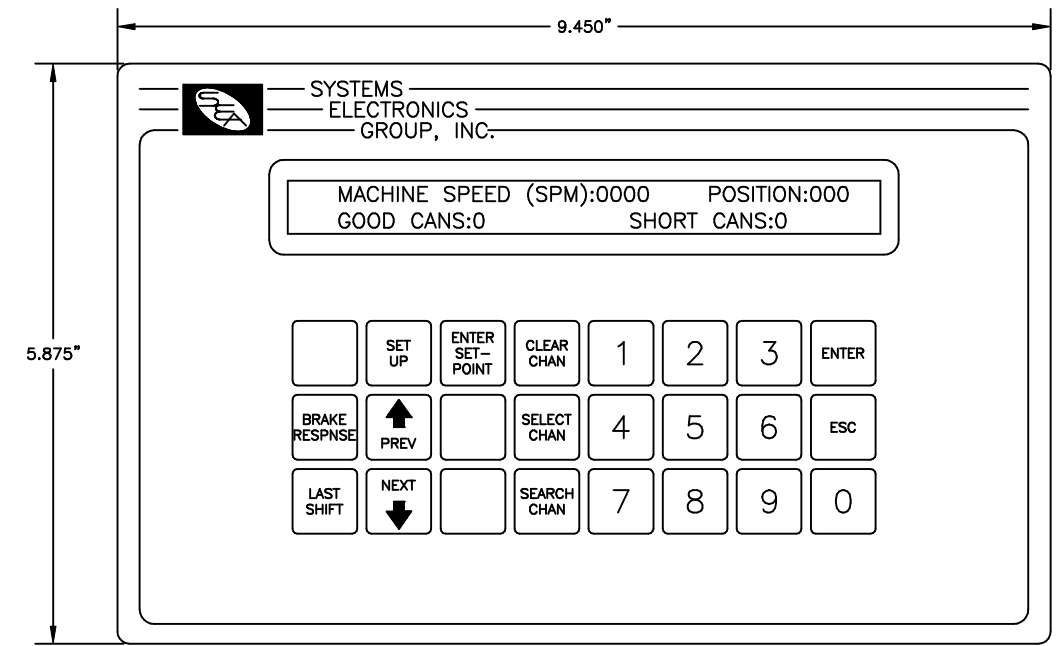
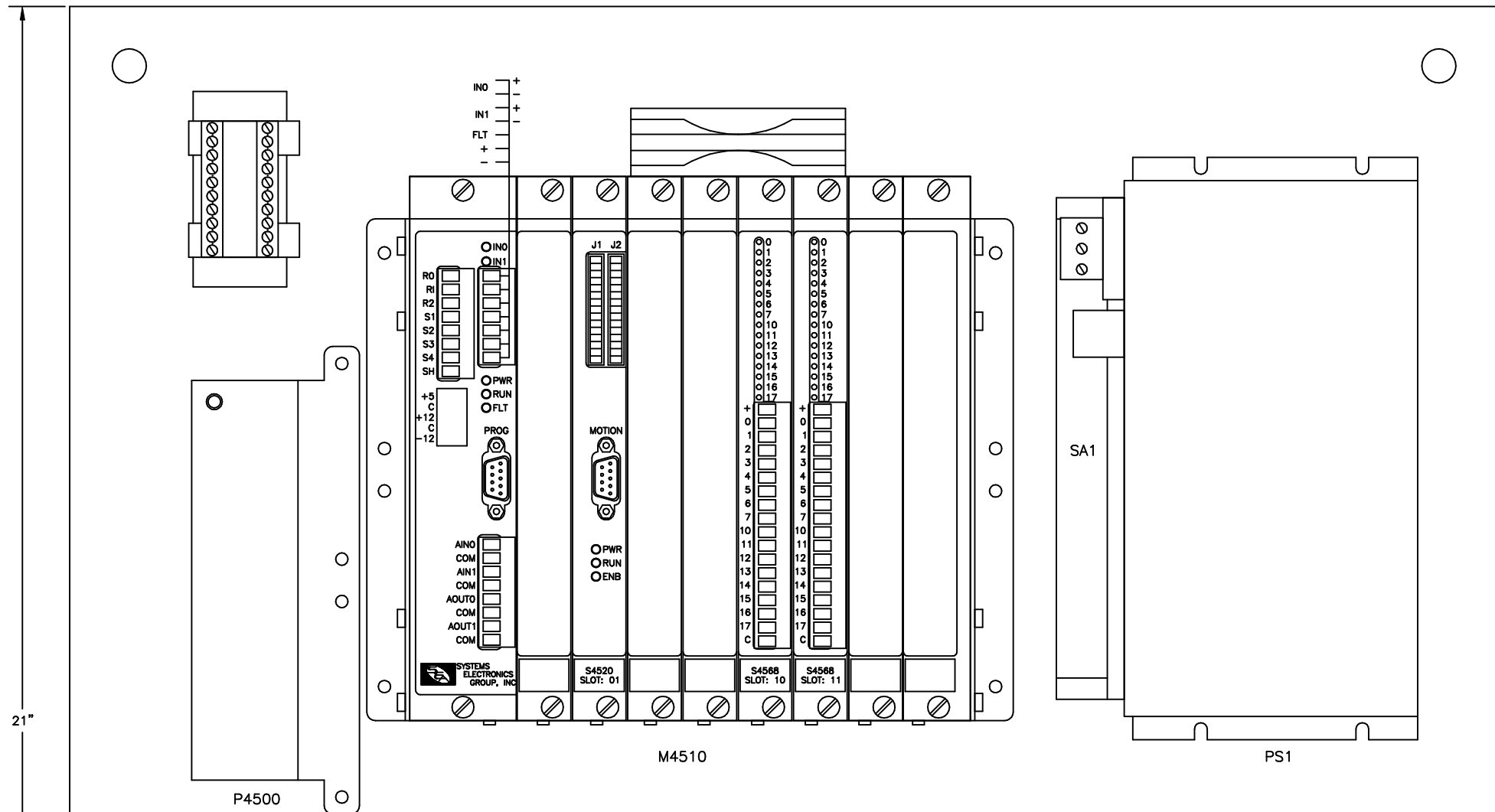
HSL-WISVCUP (ONLY)

WIRE LIST					
RUN NO.	LOCATION	WIRE SIZE	COLOR	QYT.	WIRE NUMBER
1	HSL-WISVCUP TO EXISTING CONTROLS	#14	GREEN	1	GND
			WHITE	2	900, 900
			RED	2	801, 803
			WHITE/BLUE	1	500
			BLUE	4	501, 512, 516, 517
		YELLOW	2	FLT1, FLT2	
		#16	BLUE	10	544, 545, 546, 547, 550, 551, 552, 553, 554, 555
2	SERVO	#14	4 COND. CBL	1	RED, WHT, BLK, GRN
3	HSL-WISVCUP TO MACHINE	#18	3 COND. SHD	1	500, 501, 510
		#22	8 COND. SHD	1	ORG, WHT, BLK, RED, YEL, BLU, BRN, GRN
4	RESOLVER	#18	3 TW PR. SHD	1	(RED/BLK) (GRN/BLK) (WHT/BLK)

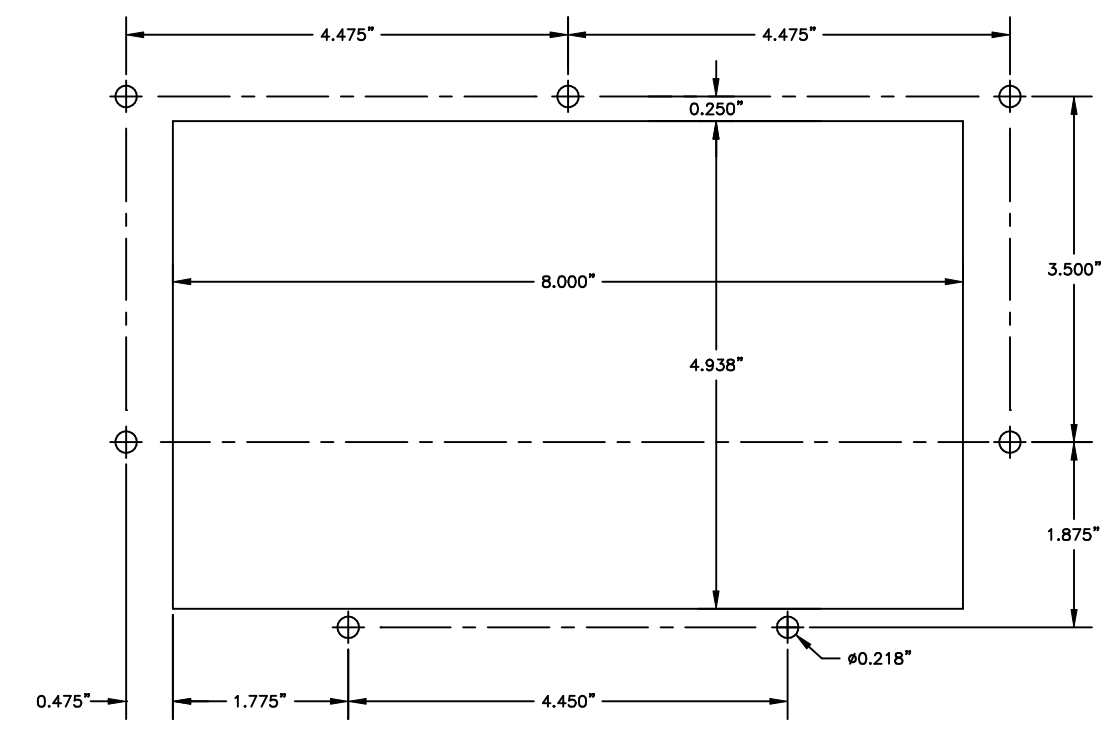
HSL-WISVCUP WITH HSL-WI6 HIGH SPEED LOGIC OPTION:

WIRE LIST					
RUN NO.	LOCATION	WIRE SIZE	COLOR	QYT.	WIRE NUMBER
1	HSL-WISVCUP TO EXISTING CONTROLS	#14	GREEN	1	GND
			WHITE	2	900, 900
			RED	2	801, 803
			WHITE/BLUE	1	500
			BLUE	4	501, 512, 516, 517
		YELLOW	2	FLT1, FLT2	
		#16	BLUE	22	544, 545, 547, 550, 551, 552, 553, 554, 555, 556, 558, 559, 560, 561, 562, 563, 564, 569, 570, 571, 572, 573
2	SERVO	#14	4 COND. CBL	1	RED, WHT, BLK, GRN
3	HSL-WISVCUP TO MACHINE	#18	3 COND. SHD	2	(500,501,510)/SHD, (500,501,540)/SHD,
		#22	8 COND. SHD	1	ORG, WHT, BLK, RED, YEL, BLU, BRN, GRN
		#14	BLUE	3	566, 567, 568
4	RESOLVER	#18	3 TW PR. SHD	1	(RED/BLK) (GRN/BLK) (WHT/BLK)

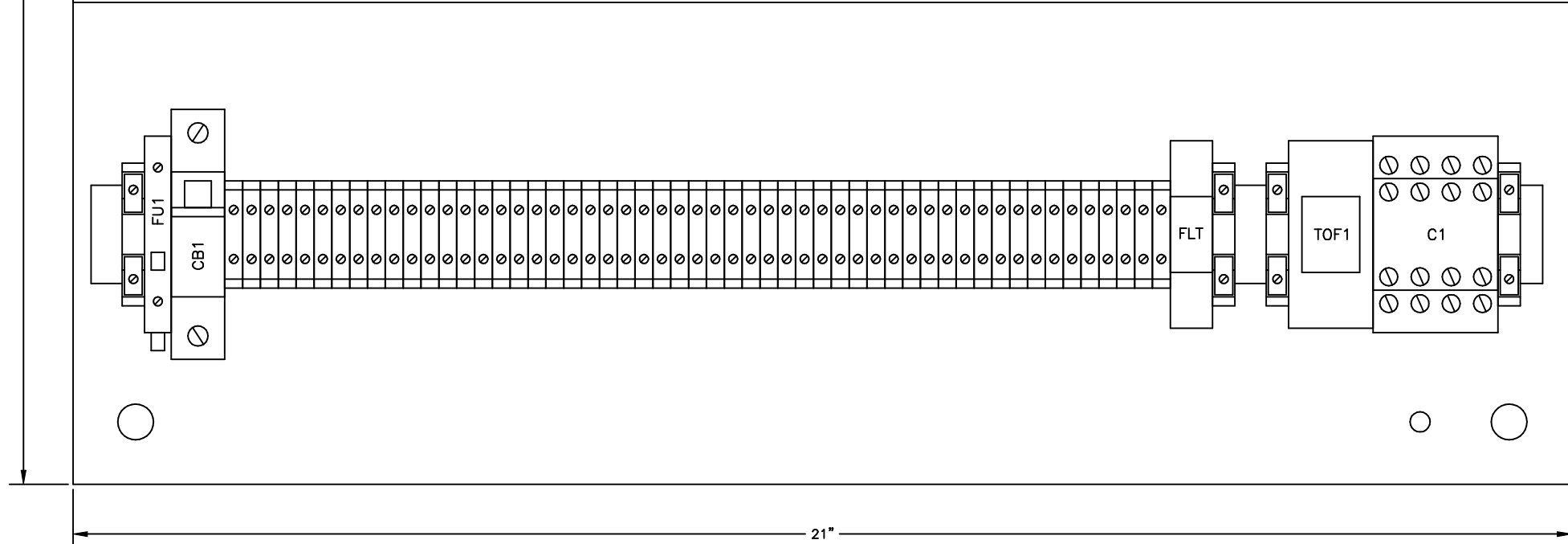
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	SCALE:	APPROVED:	DRAWN BY: MDD
	DATE: 6-21-11		REVISED: 8-27-13
	RAGSDALE B/M CUPFEED RETROFIT WIRING DIAGRAM		WO#
	SYSTEMS ELECTRONICS GROUP		PT#
			DRAWING NUMBER 14-4226-11



HSL-WI6 KEYPAD DISPLAY



RECOMMENDED PANEL CUT-OUT



HSL-WISVCUP PREWIRED BACK PANEL

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	SCALE: 1/2" = 1"	APPROVED:	REVISED:
	DATE: 8-17-13	RATSDALE B/M CUPFEED RETROFIT MECHANICAL LAYOUT	
	SYSTEMS ELECTRONICS GROUP		WO# PT#
	DRAWING NUMBER 14-4226-15		SYSTEMS ELECTRONICS GROUP