



Page Title	Concrete Plant Layout & Control	Project		Drawing	Aggregate Mixing Plant Using Red Lion Hardware	Drawing No.		Edited	9 Aug 2024	Scale	1:1	
		Client				James D. Jolly		Created	9 Aug 2024	Page	1 of 3	

1	2	3	4	5	6	7	8	9	10	11	12	13	14		A
<div> <div>24 VDC power supply</div> <div> </div> </div>															B
															C
															D
															E
															F
<div> <div>All drawings are notations are examples only. Customer is responsible for fit and function of their end system.</div> </div>															G
															H
															I
															J
Page Title	Control Device Power	Project		Drawing	Aggregate Mixing Plant Using Red Lion Hardware	Drawing No.		Edited	9 Aug 2024	Scale	1:1				
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	
														A
	Operations													
1	Concrete order comes in vial sales ticket with mix specifics and cubic yards request													
2	The Concrete Mix number is entered into the webpage display from the DA70 to include thee amount of cubic yards													
3	The recipe data is pulled from the CSV file on the SD card according to the cubic yards and then sent to the ST-IPM-8460 Controller													B
4	The gravel, sand, and concrete are dropped into the aggregate hopper one at a time automatically													
5	Note: if necessary we can interface to an existing scale as long as it support one of our drivers in crimson													
6	Once all materials are in the Aggregate mixing hopper then it is dropped into the main mixer along with the preset number of gallons of water													C
7	The mix is stirred until as such time as deemed necessary													
8	The main mixer is then put into reverse and the entire mix is sent into the concrete truck													
9	After the batch complete is done, the totals of all materials used are pulled from the current inventory being monitored by the DA70													
10	All Plant processes including water, compressed air, even plant security with gate monitoring and motion cameras will run the ST-IPM-8460 being monitored.													D
11	Roughly this same process could be done for Asphalt or a "chip" plant.													
														E
														F
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Page Title	Process	Project	Drawing	Aggregate Mixing Plant Using Red Lion Hardware	Drawing No.		Edited	9 Aug 2024	Scale	1:1	
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