

Operating Voltage 380 VAC

Control Voltage 24 VDC

MORTAR MACHINE

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018						A	1	0
1		Checked by							
2									
3		Approved by							
4									

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Group Number

A = Title

B = Addressing ID

C = Document Coding

D = Main Layout

E = Electrical Symbol

D = Layout Schematic

E = Electrical Symbol

F = Wiring Diagram

G = Part List

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018						B	1	0
1		Checked by							
2									
3		Approved by			Title	Address & ID (Group Number)			
4									

0 1 2 3 4 5 6 7 8 9

Address of Equipment

X XX X

- Column Number = 0-9
- Page Number = 0-99

— Symbol of Equipment = Check Group E for Details

Address of Terminal

XX ————— Number of Terminal

XXU -

XXV — Terminal of Motor

XXW-

Index Address & Node Address

XX X

— Column Number = 0-9
— Page Number = 0-99

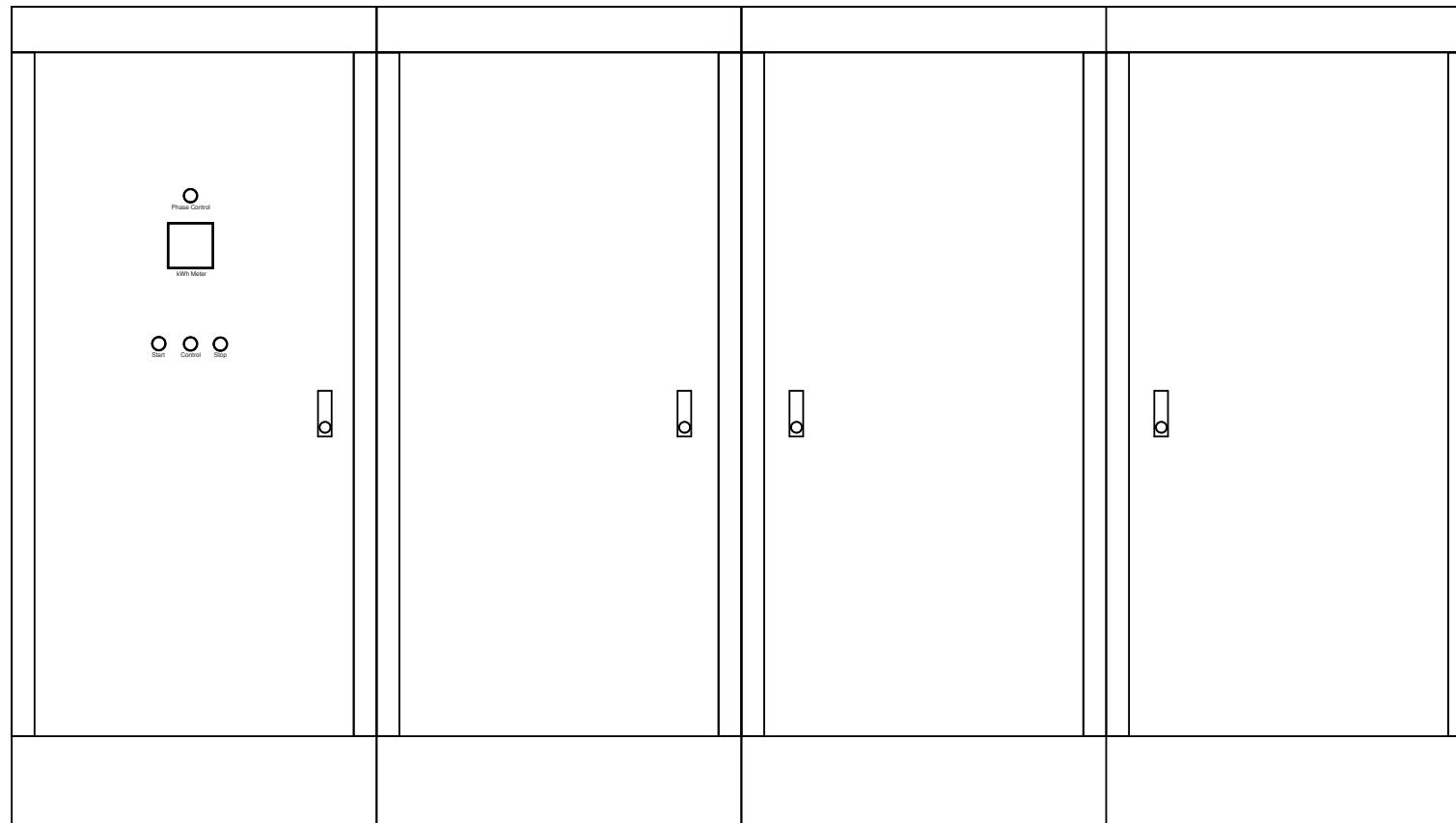
Address of Layout Group

XX X X

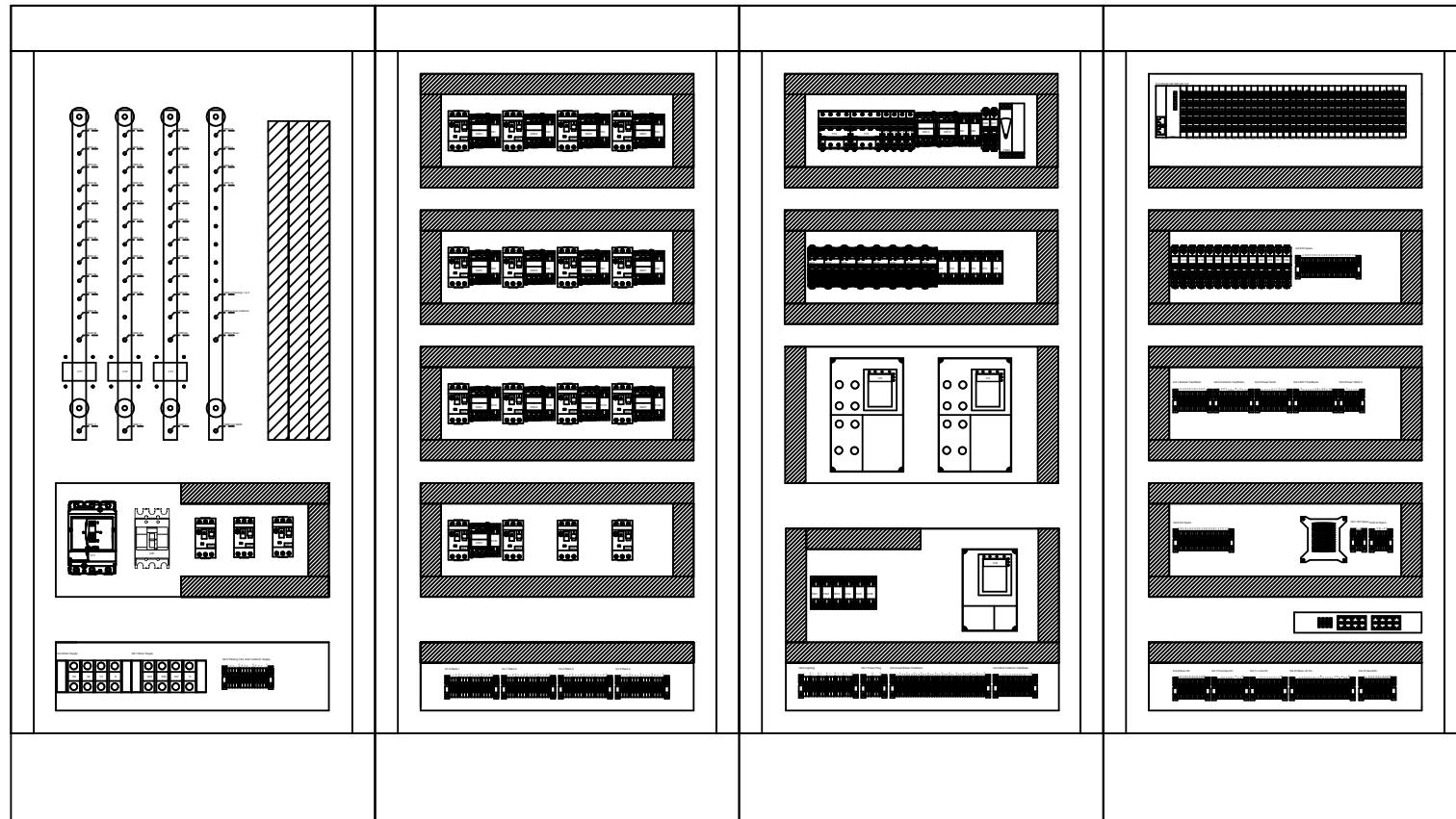
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Column Number = 0-9
Page Number = 0-99

No	Symbol	Note	No	Symbol	Note	No	Symbol	Note	No	Symbol	Note
1		Main Breaker with Thermal and magnetic protection (Q)	11		Panel Fan	21		Normally Closed Push Button (PB)	31		Terminal of Main mixer
2		Current Transformer (CT)	12		AC Source Pilot Lamp (HA)	22		Normally Opened Push Button (PB)	32		Terminal of Cement
3		4 in 1 Fuse holder (F)	13		DC Source Pilot Lamp (HD)	23		Proximity Inductive Switch (PX)	33		Terminal of Lime
4		Power Meter (PM)	14		Load Break Switch (LB)	24		Limit Swicht (LW)	34		Terminal of Sand
5		1 ph Fuse Holder (F)	15		3 ph Electric Motor (M)	25		Selector Switch (SS)	35		Terminal of Dust Collector
6		Contactor (KM)	16		Overload Protection (OV)	26		Rotary Paddle Level Switch(RP)	36		Jumper
7		Coil of Contactor (KM)	17		Variable Speed Drive (VD)	27		Reed Sensor (RS)			
8		Coil of Relay (R)	18		1 ph and Neutral Main Breaker	28		Weighing Indicator (W)			
9		1 ph Main breaker	19		Relay Contact (R)	29		Load cell (L)			
10		Power plug	20		Power Supply AC to DC	30		Terminal on Main Panel			

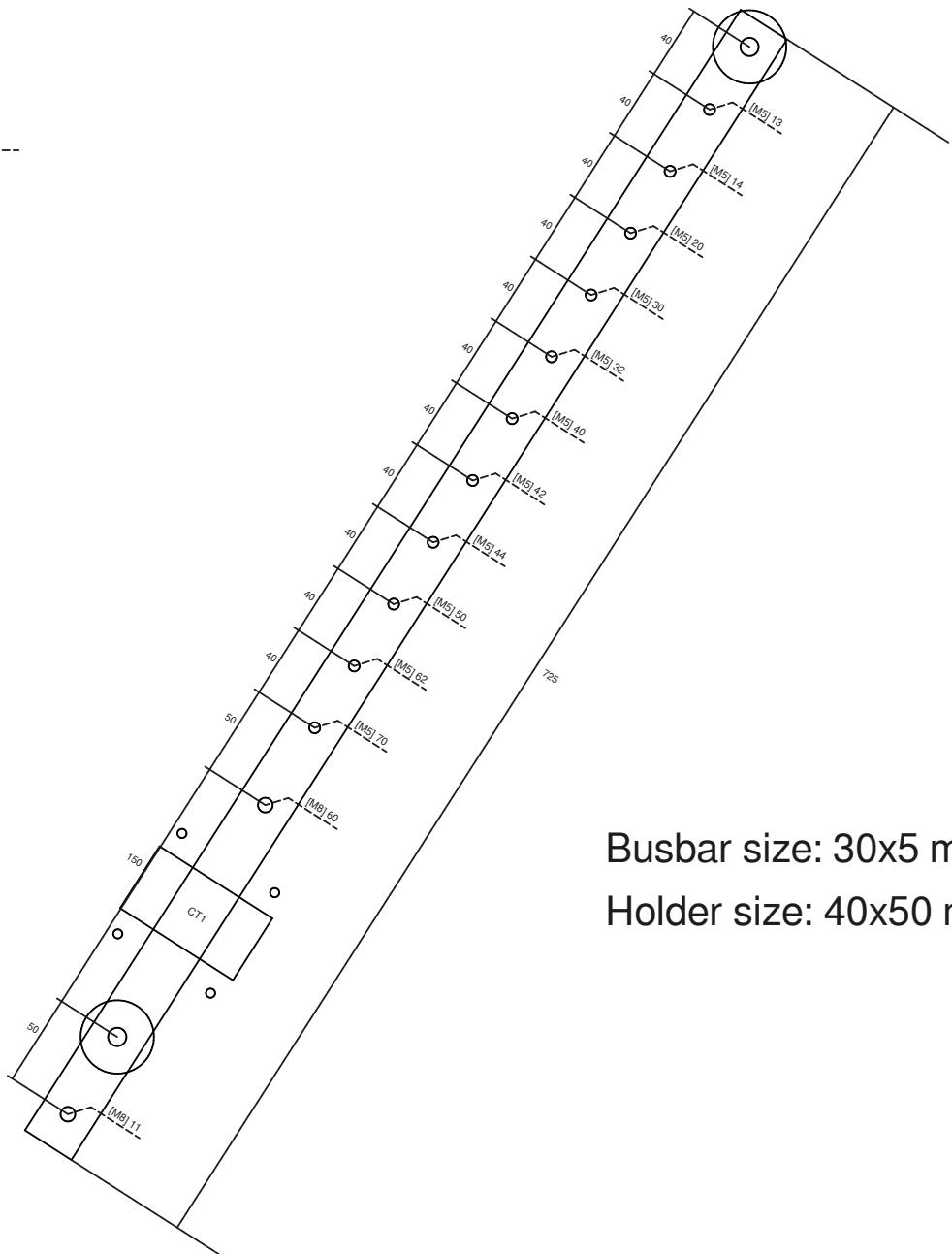
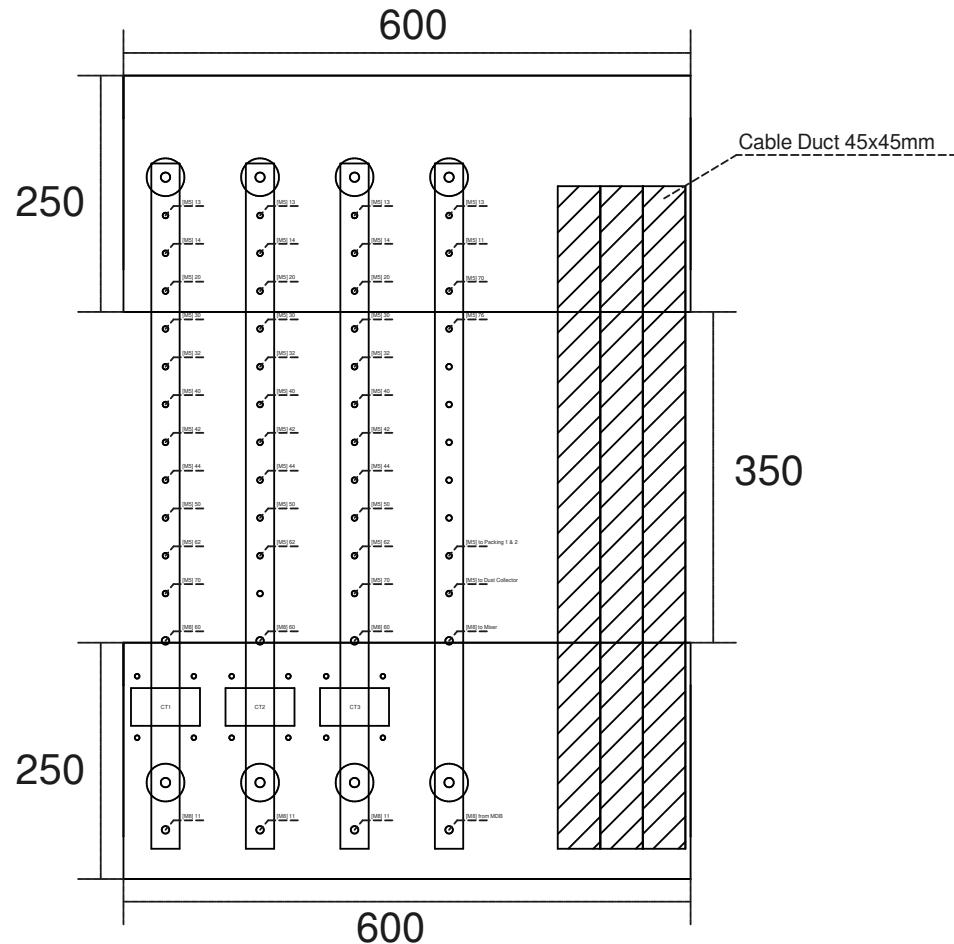
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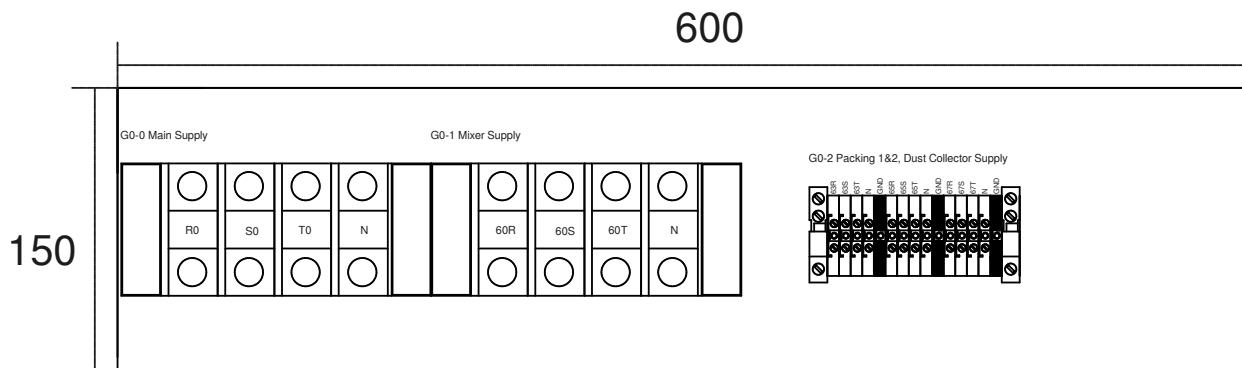
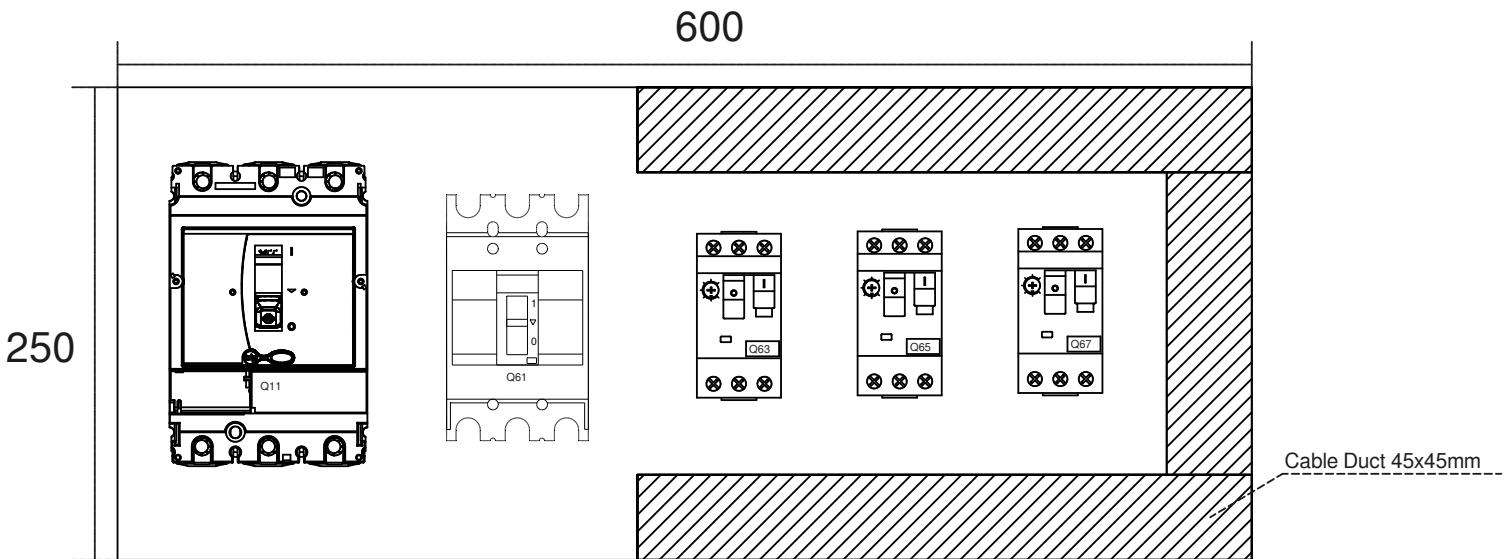
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1		Checked by							
2									
3		Approved by			Title		Main Panel Front View		
4									



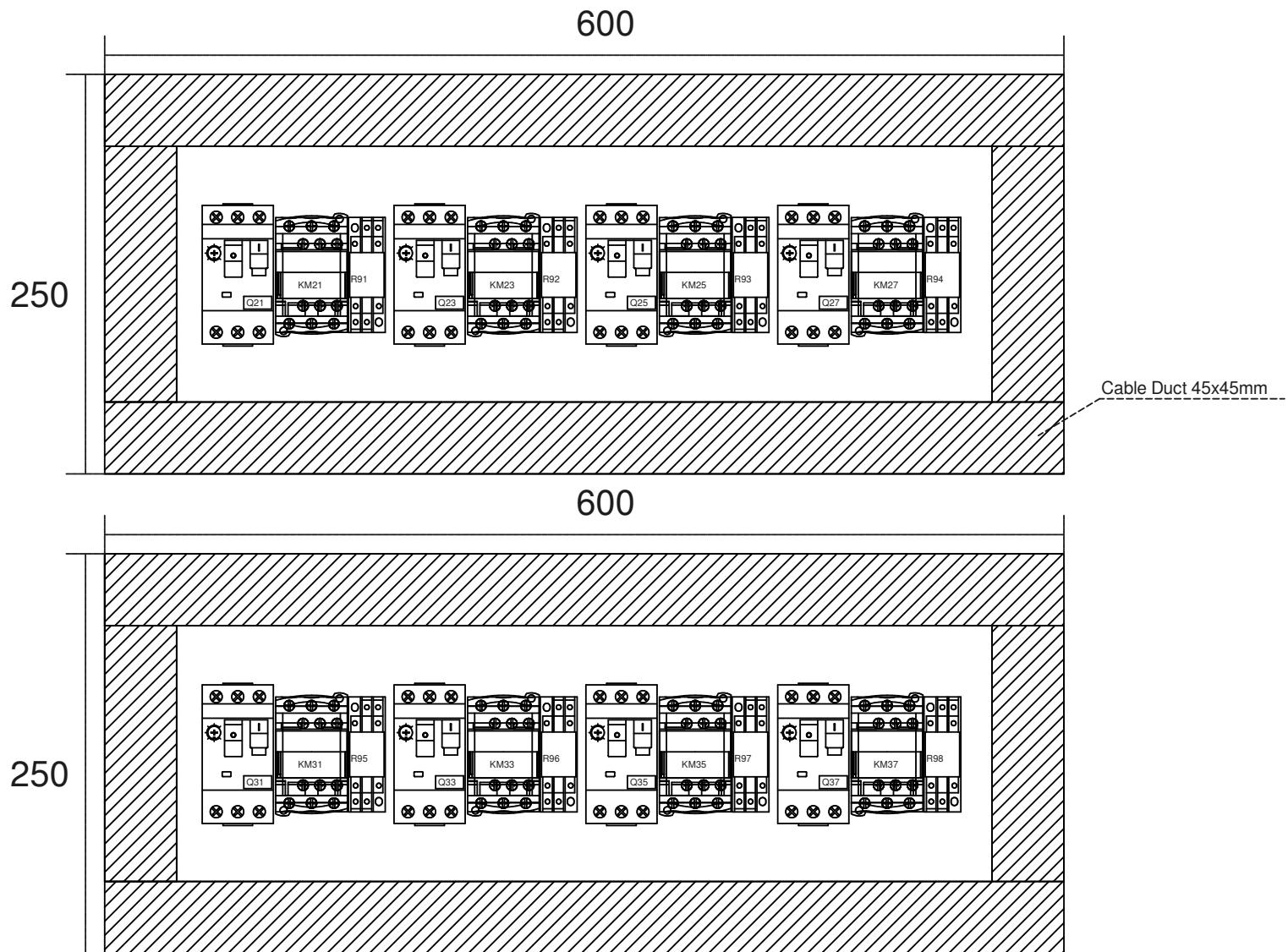
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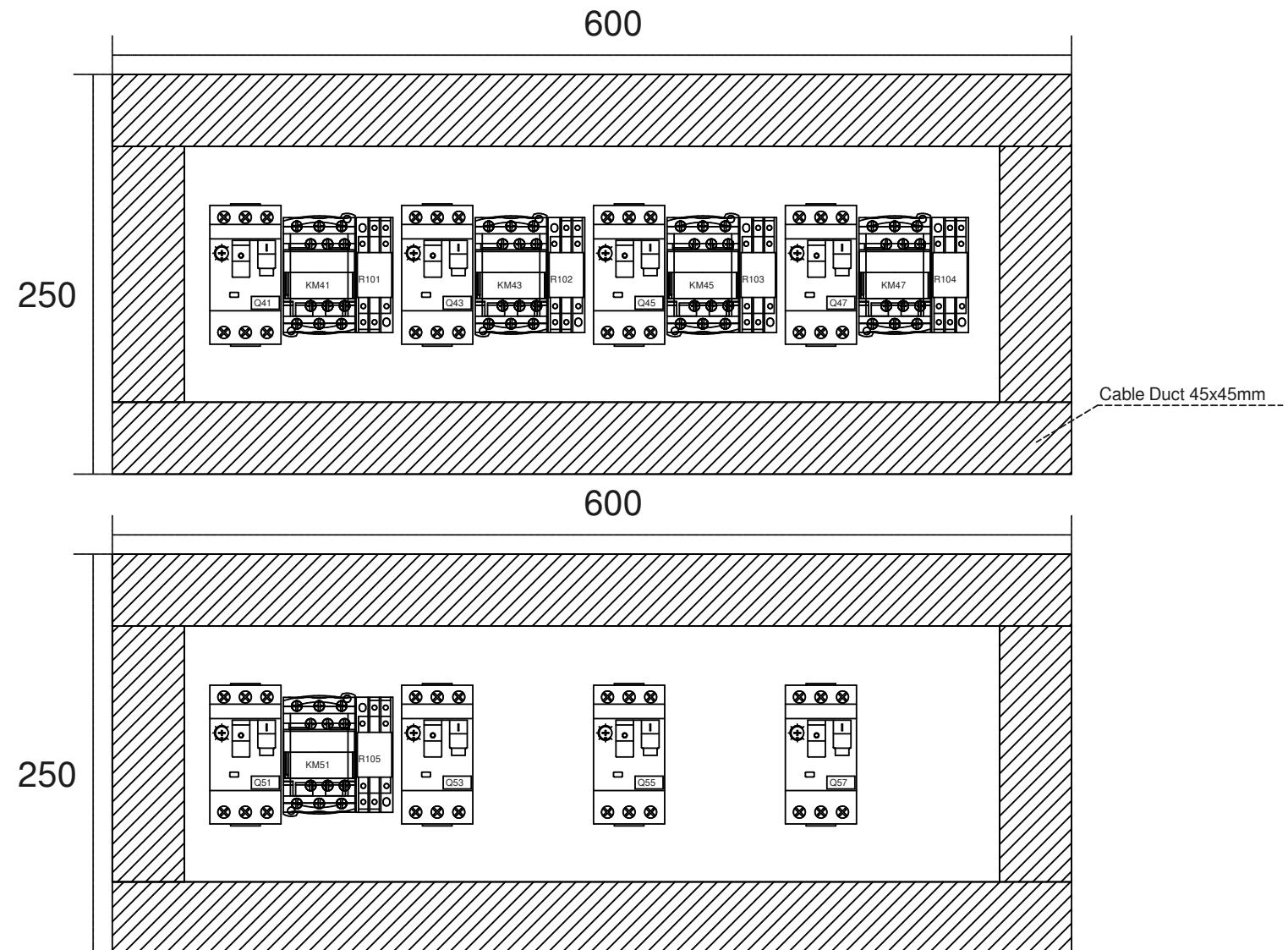


Busbar size: 30x5 mm
Holder size: 40x50 mm

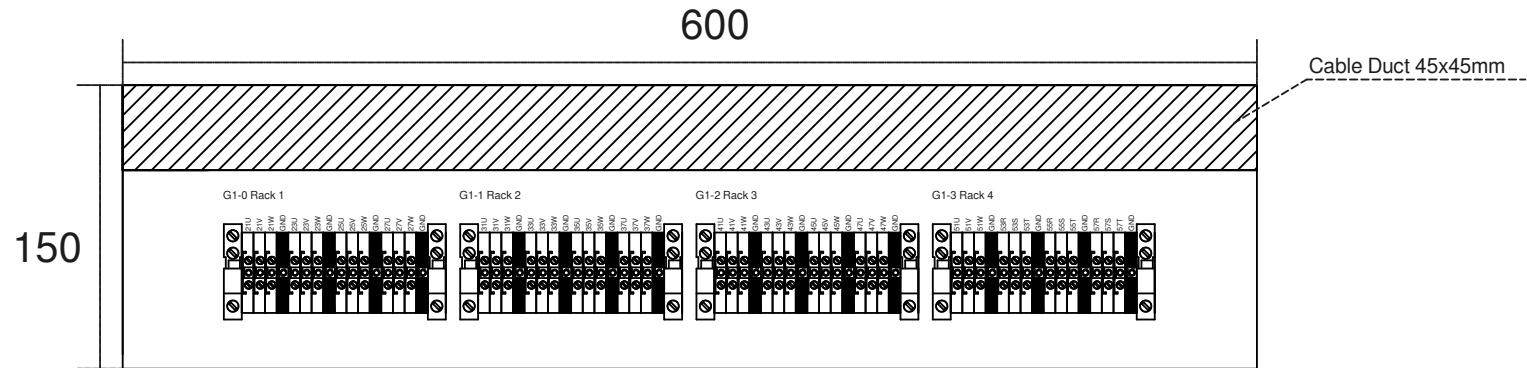


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1		Checked by							
2									
3		Approved by							
4					Title	Main Panel Part Installation, Cell 0 Rack 3-4	D	4	0

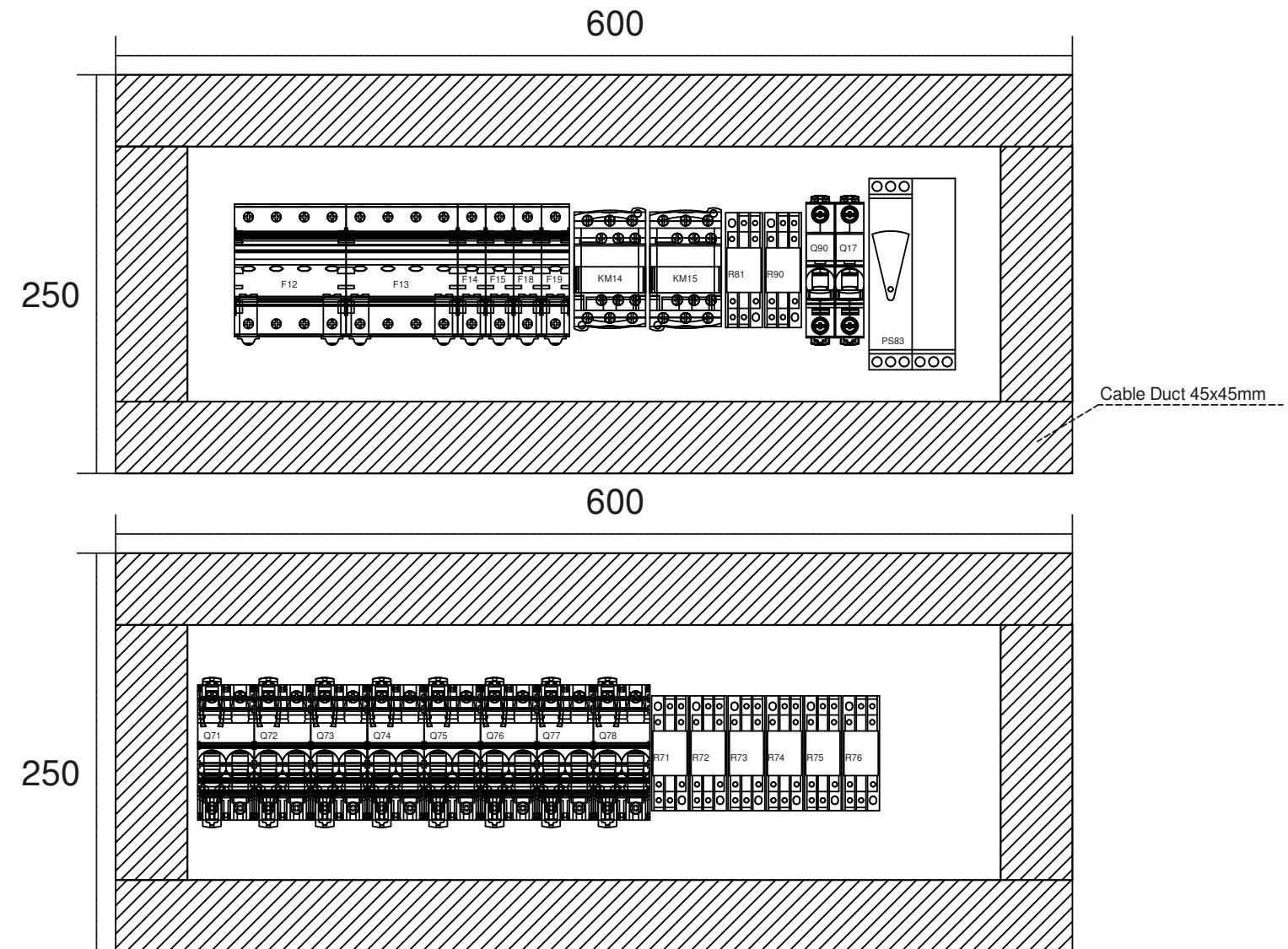




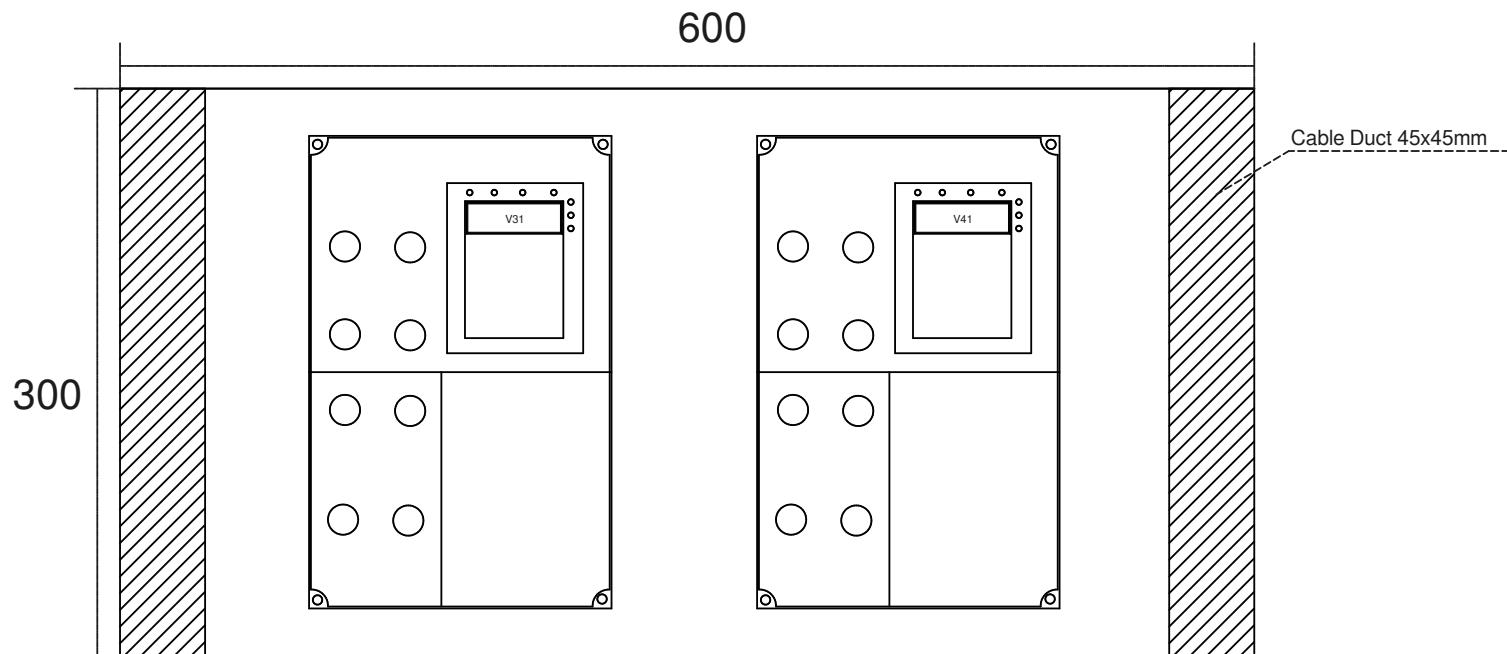
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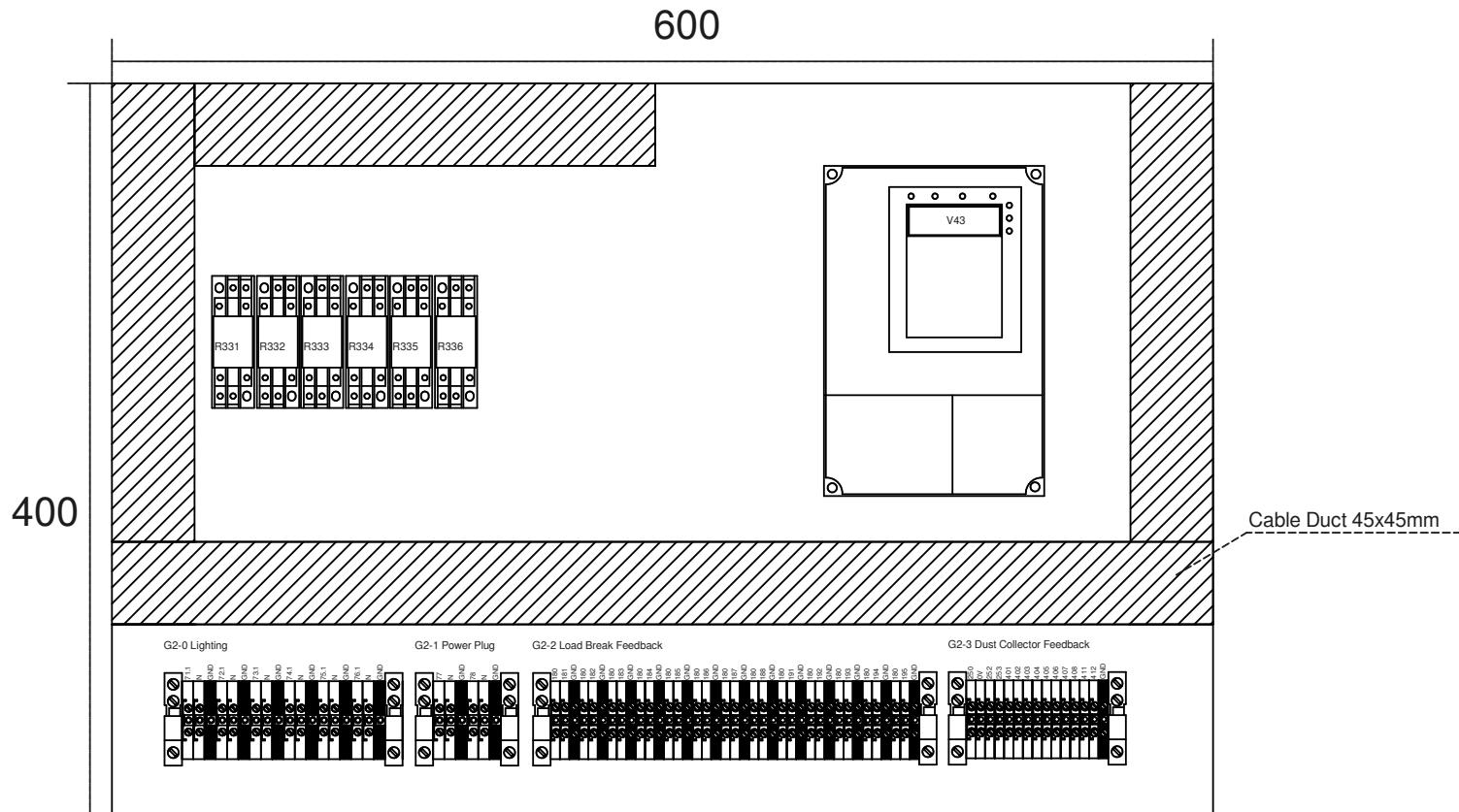
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1		Checked by					
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3		Approved by		Title	Main Panel Part Installation, Cell 1 Rack 5		
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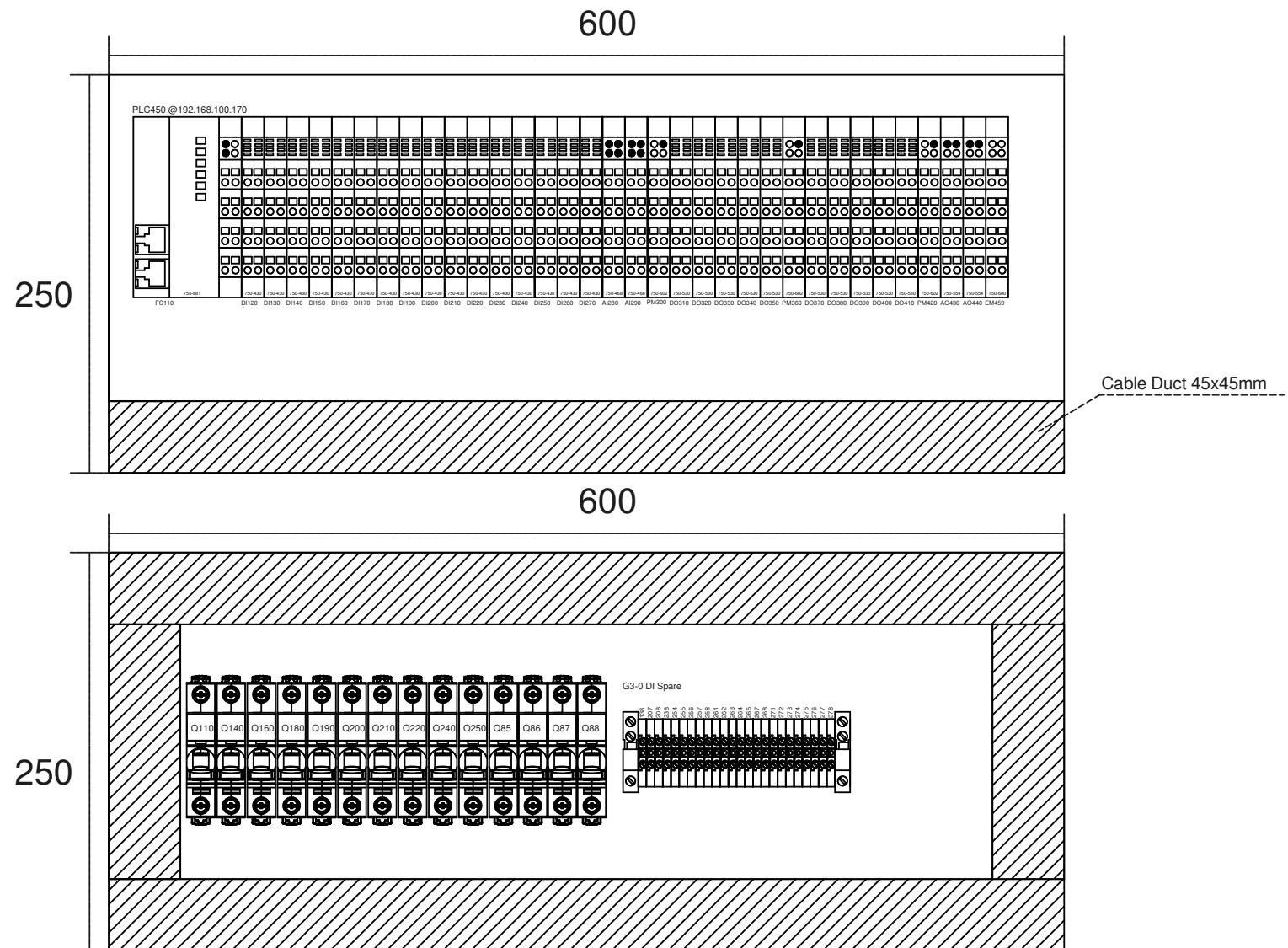
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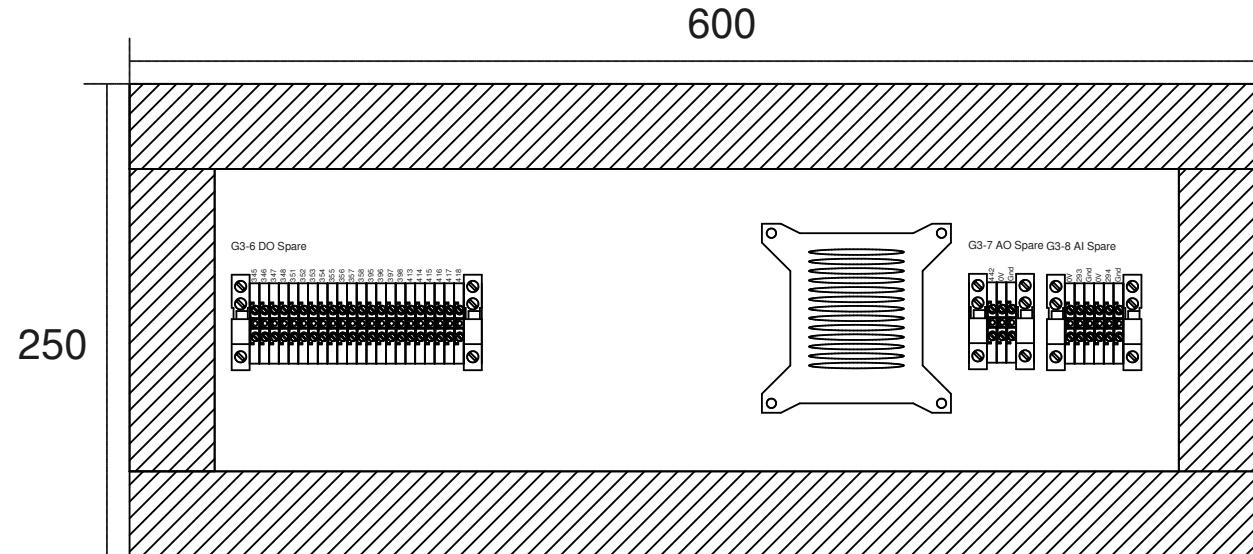
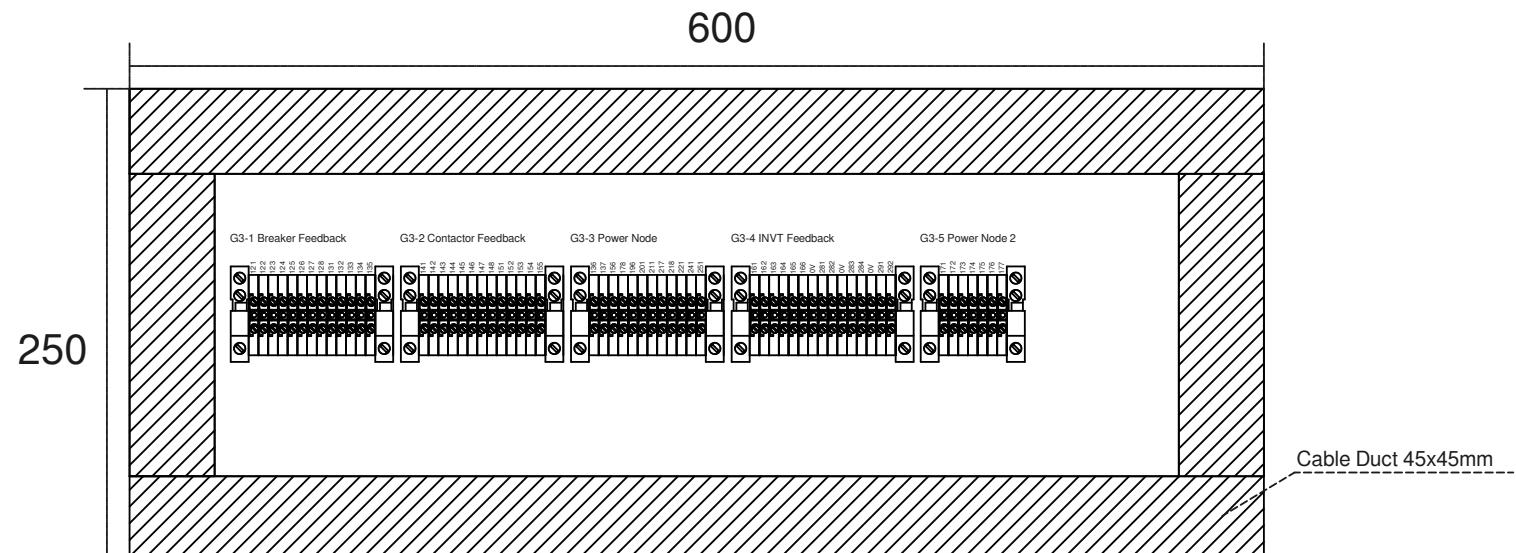


Rev	Date	Drawn by	Approved by	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
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1		Checked by							
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4					Title	Main Panel Part Installation, Cell 2 Rack 3	D	9	0

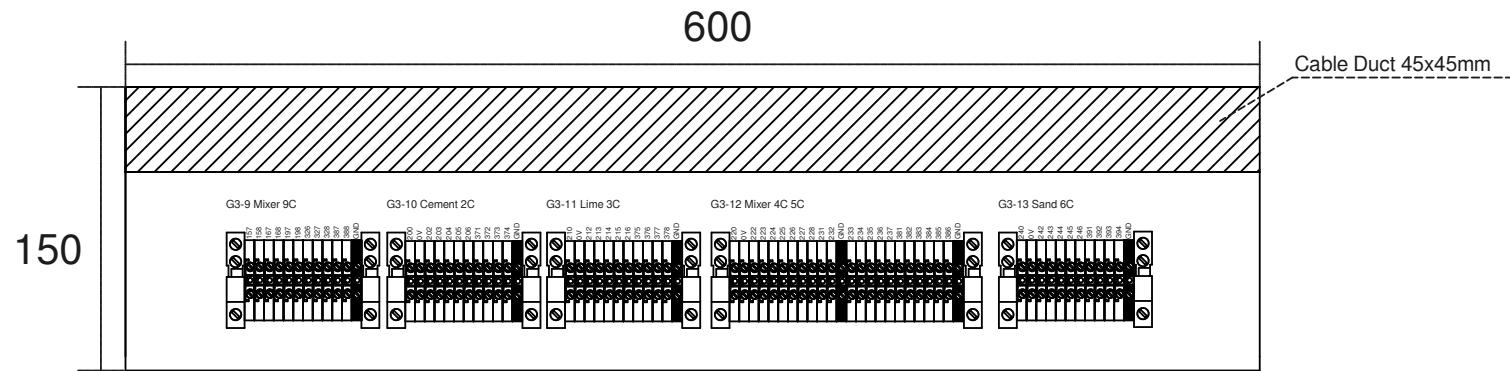


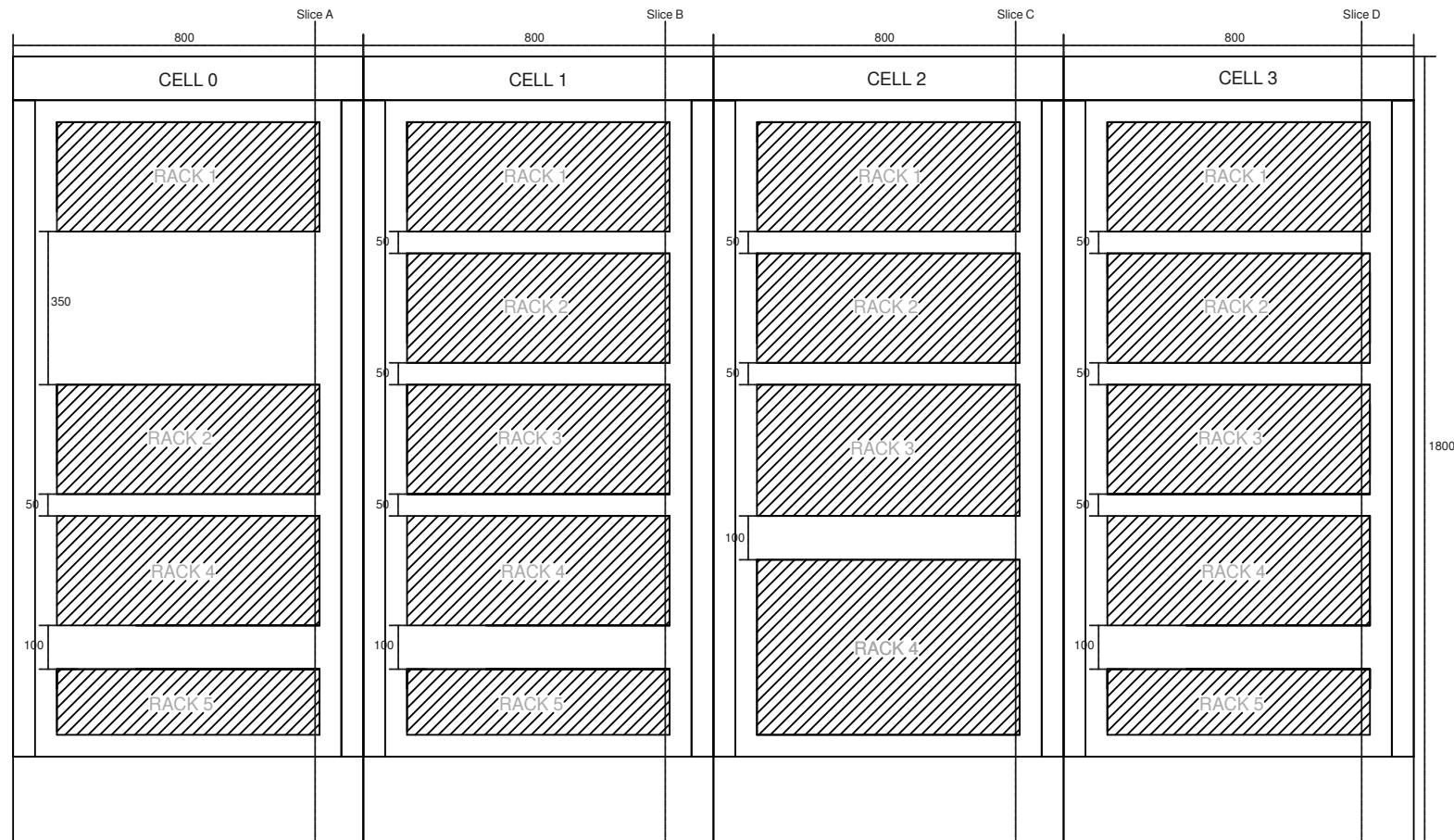
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4		Approved by							





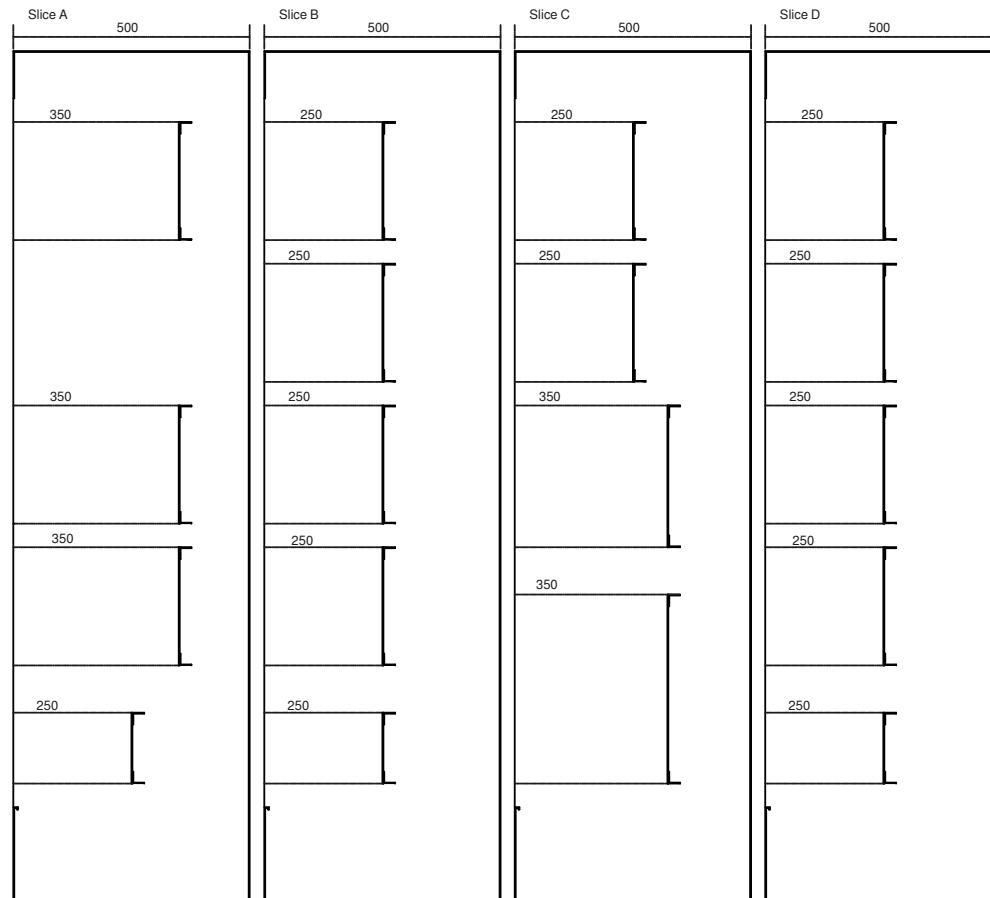
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0	March 2018								
1		Checked by							
2									
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4					Title	Main Panel Part Installation, Cell 3 Rack 3-4	D	12	0





Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
							D	14	0
1	March 2018	Checked by			Title	Main Panel Part Installation, Plate Gap Front View			
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3		Approved by							
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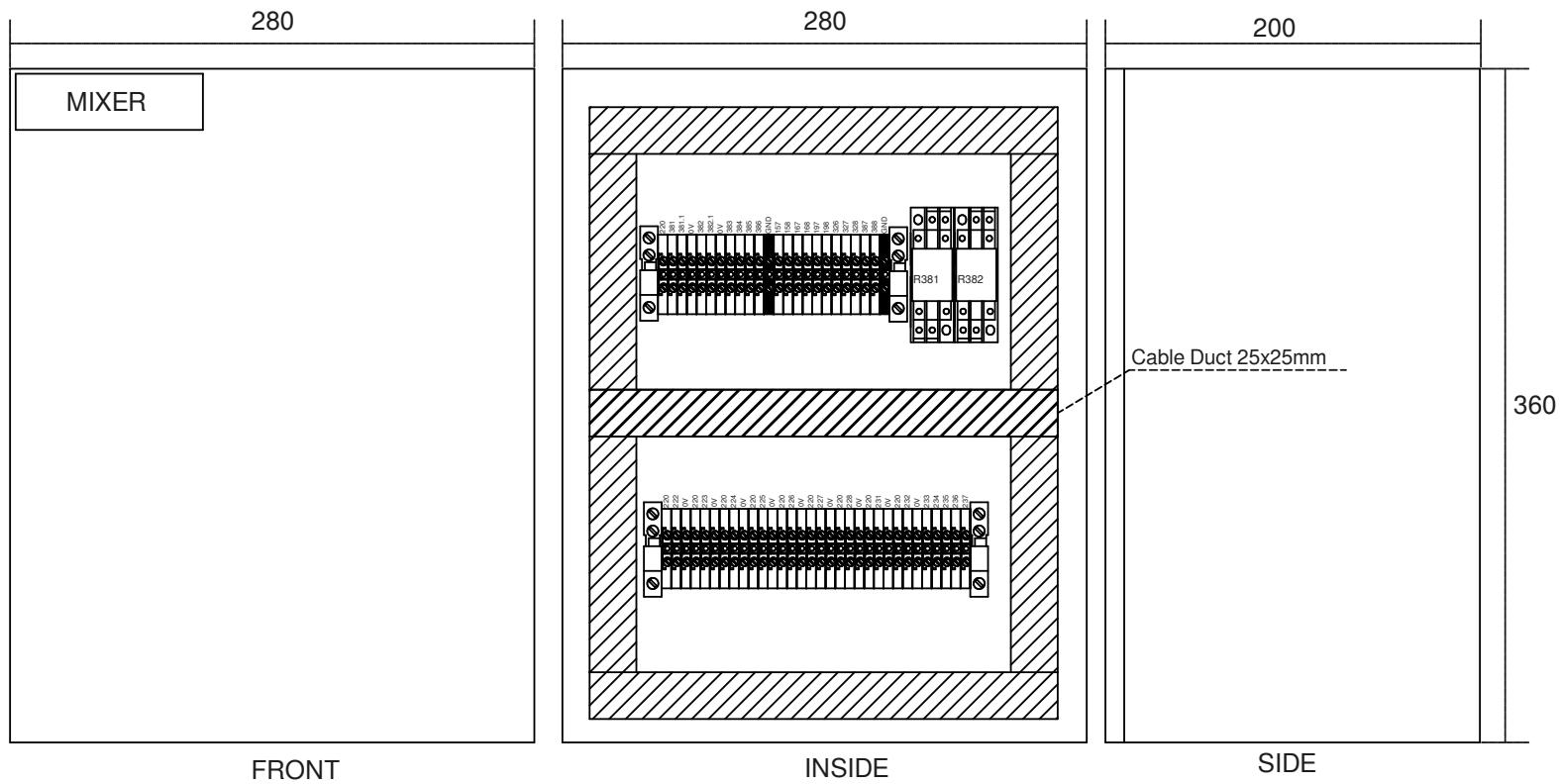
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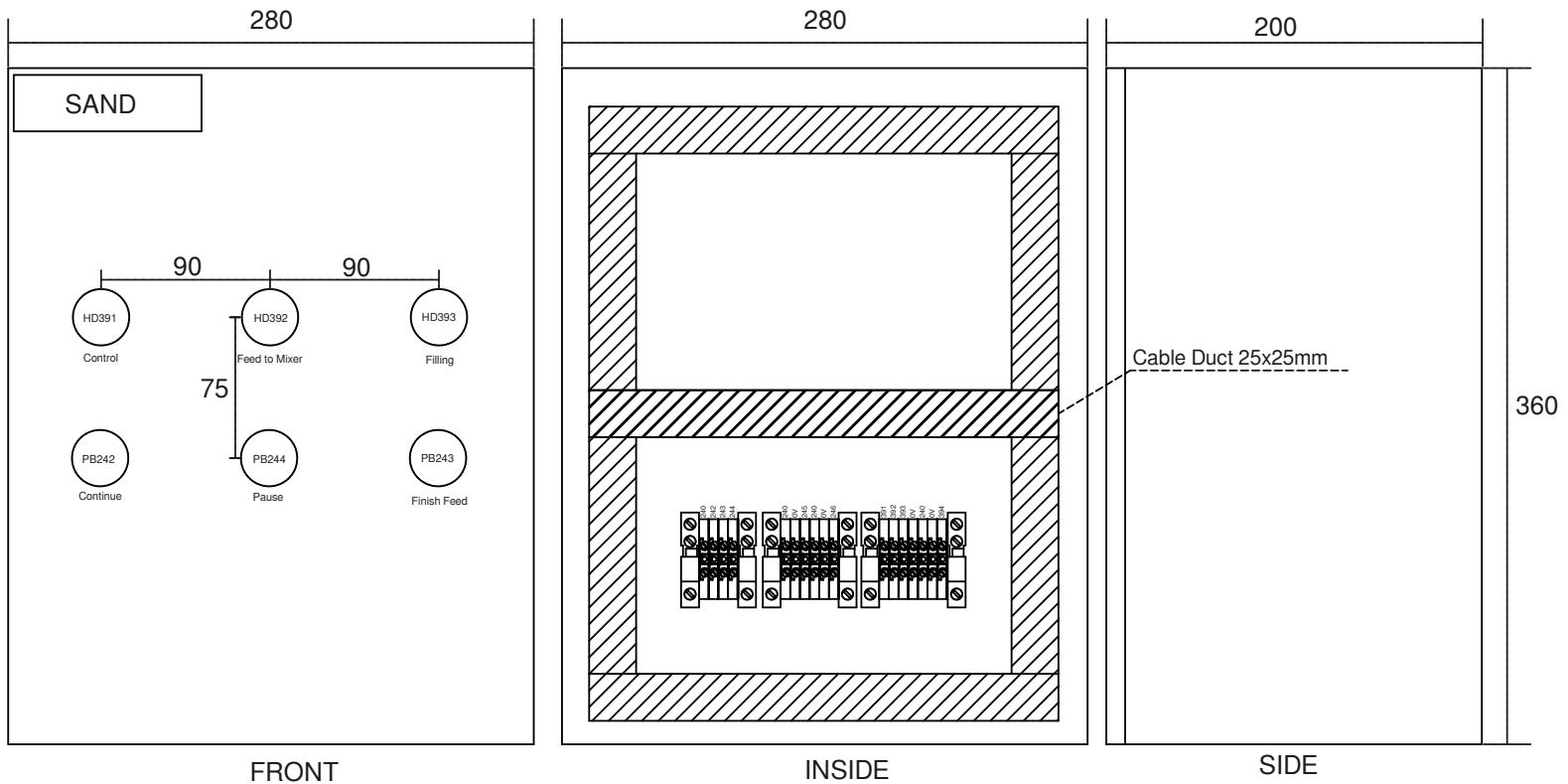
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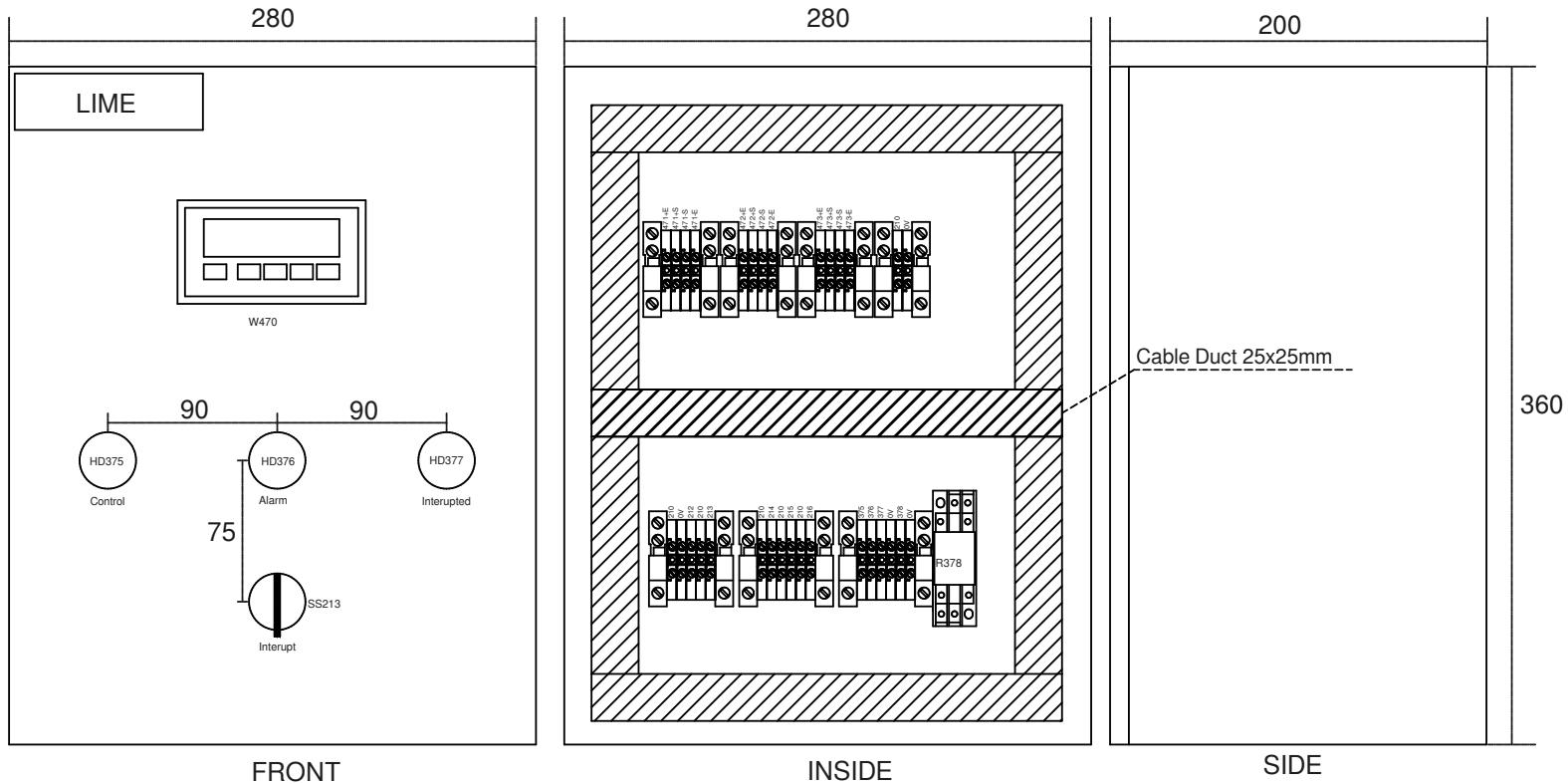
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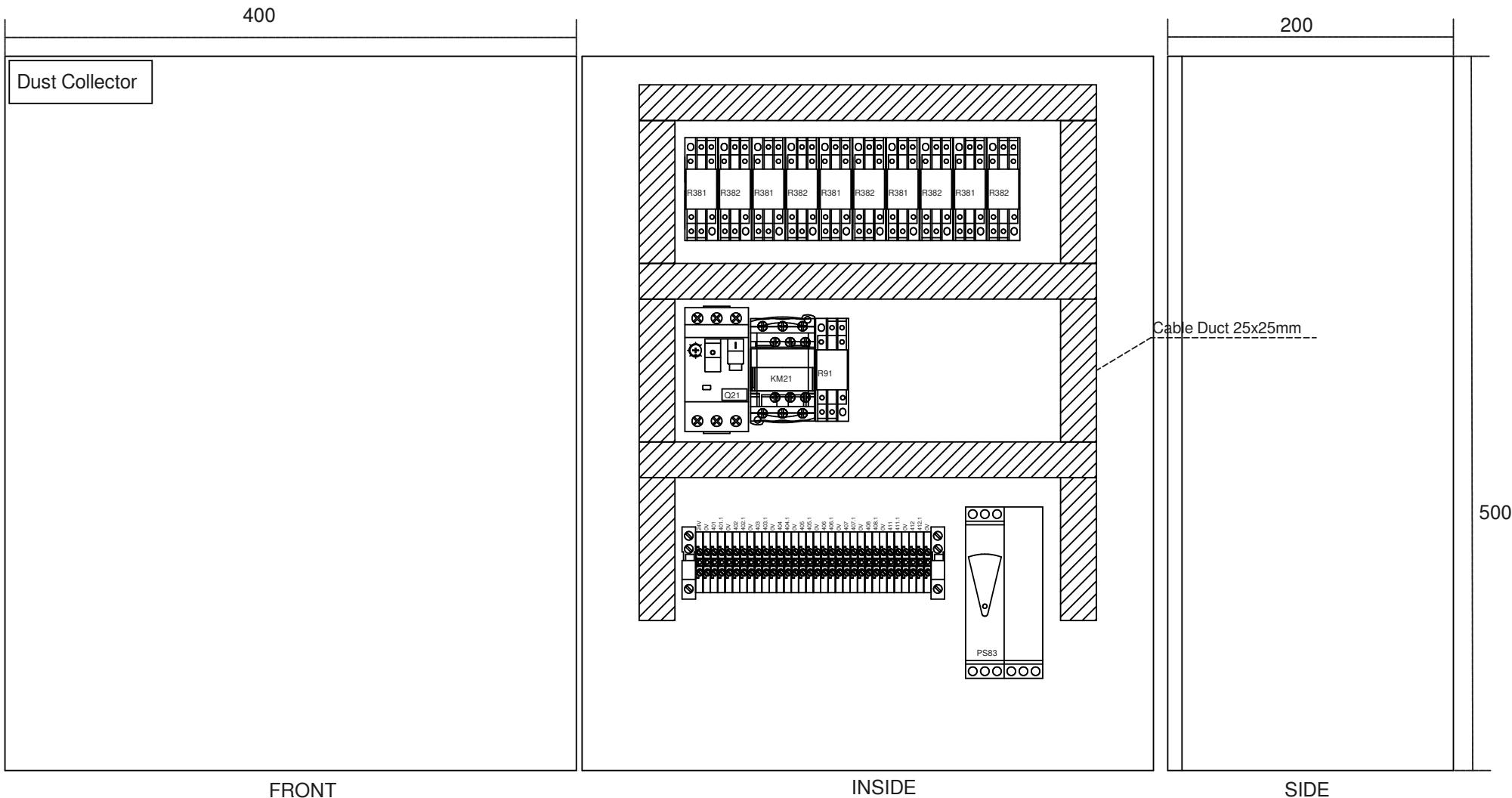
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0	March 2018						D	16	0
1		Checked by			Title	Mixer Panel Box			
2									
3		Approved by							
4									



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018								
1		Checked by							
2									
3		Approved by							
4					Title	Sand Panel Box	D	18	0



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018								
1		Checked by							
2									
3		Approved by							
4					Title	Lime Panel Box	D	19	0



0	1	2	3	4	5	6	7	8	9
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LB21/M21/ NYY 4x1.5 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	21U	M21
Grey(GR)	21V	M21
Black(BL)	21W	M21
Green-Yellow	GND	GND

LB21 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	181	Signal
GND		

LB23/M23/ NYY 4x1.5 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	23U	M23
Grey(GR)	23V	M23
Black(BL)	23W	M23
Green-Yellow	GND	GND

LB23 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	182	Signal
GND		

LB25/M25/ NYY 4x1.5 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	25U	M25
Grey(GR)	25V	M25
Black(BL)	25W	M25
Green-Yellow	GND	GND

LB25 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	183	Signal
GND		

LB31/M31/ NYY 4x4 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	31U	M31
Grey(GR)	31V	M31
Black(BL)	31W	M31
Green-Yellow	GND	GND

LB31 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	185	Signal
GND		

Rev	Date	Drawn by	Approved by	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018	Akbar Kurnia P							
1		Checked by							
2									
3									
4					Title	List of cable from Main panel to Cement Silo area	D	21	0

0	1	2	3	4	5	6	7	8	9

LB27/M27/ NY_Y 4x1.5 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	27U	M27
Grey(GR)	27V	M27
Black(BL)	27W	M27
Green-Yellow	GND	GND

LB23/M23/ NY_Y 4x1.5 - 30m

Cable Index	Terminal	Device/Function
Brown(BR)	33U	M33
Grey(GR)	33V	M33
Black(BL)	33W	M33
Green-Yellow	GND	GND

LB27 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	184	Signal
GND		

LB33 / YSLY-JZ 3x0.75 - 30m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	186	Signal
GND		

2C / YSLY-JZ 12x0.75 - 30m

Cable Index	Terminal	Device/Function
1	200	24V Power
2	0V	0V
3	202	PX202
4	203	LW203
5	204	LW204
6	205	Spare
7	206	Spare
8	371	R371
9	372	Spare
10	373	Spare
11	374	Spare
GND		

Rev 0	Date March 2018	Drawn by Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
1		Checked by						
2								
3		Approved by				Title	List of cable from Main panel to Cement Weigher area	
4								

0 1 2 3 4 5 6 7 8 9

4C / YSLY-JZ 12x0.75 - 20m

Cable Index	Terminal	Device/Function
1	220	24V Power
2	0V	0V
3	222	PX222
4	223	PX223
5	224	PX224
6	225	PX225
7	226	RP226
8	227	RS227
9	228	RS228
10	231	RS231
11	232	RS232
GND		

5C / YSLY-JZ 12x0.75 - 20m

Cable Index	Terminal	Device/Function
1	233	Spare
2	234	Spare
3	235	Spare
4	236	Spare
5	237	Spare
6	381	R361
7	382	R362
8	383	Spare
9	384	Spare
10	385	Spare
11	386	Spare
GND		

9C / YSLY-JZ 12x0.75 - 20m

Cable Index	Terminal	Device/Function
1	157	Spare
2	158	Spare
3	167	Spare
4	168	Spare
5	197	Spare
6	198	Spare
7	326	Spare
8	327	Spare
9	328	Spare
10	387	Spare
11	388	Spare
GND		

LB35/M35/ NYY 4x1.5 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	35U	M35
Grey(GR)	35V	M35
Black(BL)	35W	M35
Green-Yellow	GND	GND

LB35 / YSLY-JZ 3x0.75 - 20m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	187	Signal
GND		

Mixer 61/NYY 4x25 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	61R	R
Grey(GR)	61S	S
Black(BL)	61T	T
Green-Yellow	GND	GND

LB37/M37/ NYY 4x1.5 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	37U	M37
Grey(GR)	37V	M37
Black(BL)	37W	M37
Green-Yellow	GND	GND

| B37 / YSI Y-17 3x0.75 - 20m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	188	Signal
GND		

Packing 65/ NYY 4x4 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	65R	R
Grey(GR)	65S	S
Black(BL)	65T	T
Green-Yellow	GND	GND

LB41/M41/ NYY 4x4 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	41U	M41
Grey(GR)	41V	M41
Black(BL)	41W	M41
Green-Yellow	GND	GND

| B41 / YSI Y-1Z 3x0 75 - 20m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	191	Signal
GND		

Packing 67/ NYY 4x4 - 20m

Cable Index	Terminal	Device/Function
Brown(BR)	67R	R
Grey(GR)	67S	S
Black(BL)	67T	T
Green-Yellow	GND	GND

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	March 2018	Checked by					D	23	0
1									
2									
3					Title	List of cable from Main panel to Mixer Area			
4		Approved by							

LB43/M43/ NYY 4x1.5 - 50m

Cable Index	Terminal	Device/Function
Brown(BR)	43U	M43
Grey(GR)	43V	M43
Black(BL)	43W	M43
Green-Yellow	GND	GND

LB45/M45/ NYY 4x1.5 - 50m

Cable Index	Terminal	Device/Function
Brown(BR)	45U	M45
Grey(GR)	45V	M45
Black(BL)	45W	M45
Green-Yellow	GND	GND

LB47/M47/NYY 4x1.5 - 50m

Cable Index	Terminal	Device/Function
Brown(BR)	47U	M47
Grey(GR)	47V	M47
Black(BL)	47W	M47
Green-Yellow	GND	GND

LB43 / YSLY-JZ 3x0.75 - 50m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	192	Signal
GND		

LB45 / YSLY-JZ 3x0.75 - 50m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	193	Signal
GND		

LB47 / VSI X 17.3x0.75 50m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	194	Signal
GND		

3C / YSLY-JZ 12x0.75 - 50m

Cable Index	Terminal	Device/Function
1	210	24V Power
2	0V	0V
3	212	PX212
4	213	SS213
5	214	LW214
6	215	LW215
7	216	Spare
8	375	HD375
9	376	HD376
10	377	HD377
11	378	Spare
GND		

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LB51/M51/ NYY 4x1.5 - 100m

Cable Index	Terminal	Device/Function
Brown(BR)	51U	M51
Grey(GR)	51V	M51
Black(BL)	51W	M51
Green-Yellow	GND	GND

LB51 / YSLY-JZ 3x0.75 - 50m

Cable Index	Terminal	Device/Function
1	180	Distribute DC
2	195	Signal
GND		

6C / YSLY-JZ 12x0.75 - 100m

Cable Index	Terminal	Device/Function
1	240	24V Power
2	0V	0V
3	242	LW242
4	243	LW243
5	244	PB244
6	245	PB245
7	246	PB246
8	391	HD391
9	392	HD392
10	393	HD393
11	394	Spare
	GND	

Rev 0	Date March 2018	Drawn by Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
1		Checked by				D	25	0
2				Title	List of cable from Main panel to Sand Area			
3		Approved by						
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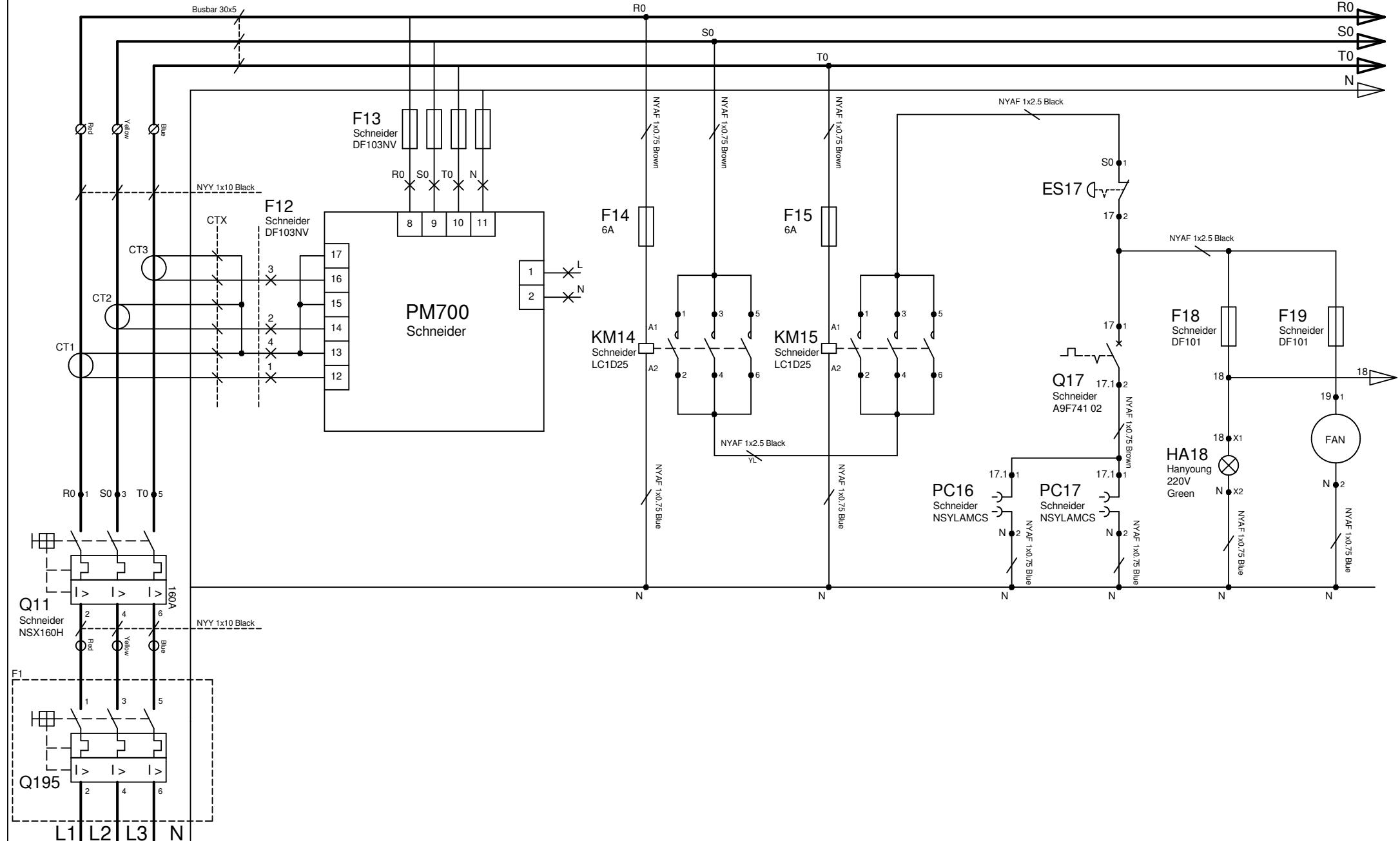
8C / YSLY-JZ 15x0.75 - 100m

Cable Index	Terminal	Device/Function
1	250	24V Power
2	252	Q Feedback
3	253	KM Feedback
4	0V	0V
5	401	R401
6	402	R402
7	403	R403
8	404	R404
9	405	R405
10	406	R406
11	407	R407
12	408	R408
13	411	R411
14	412	R412
GND		

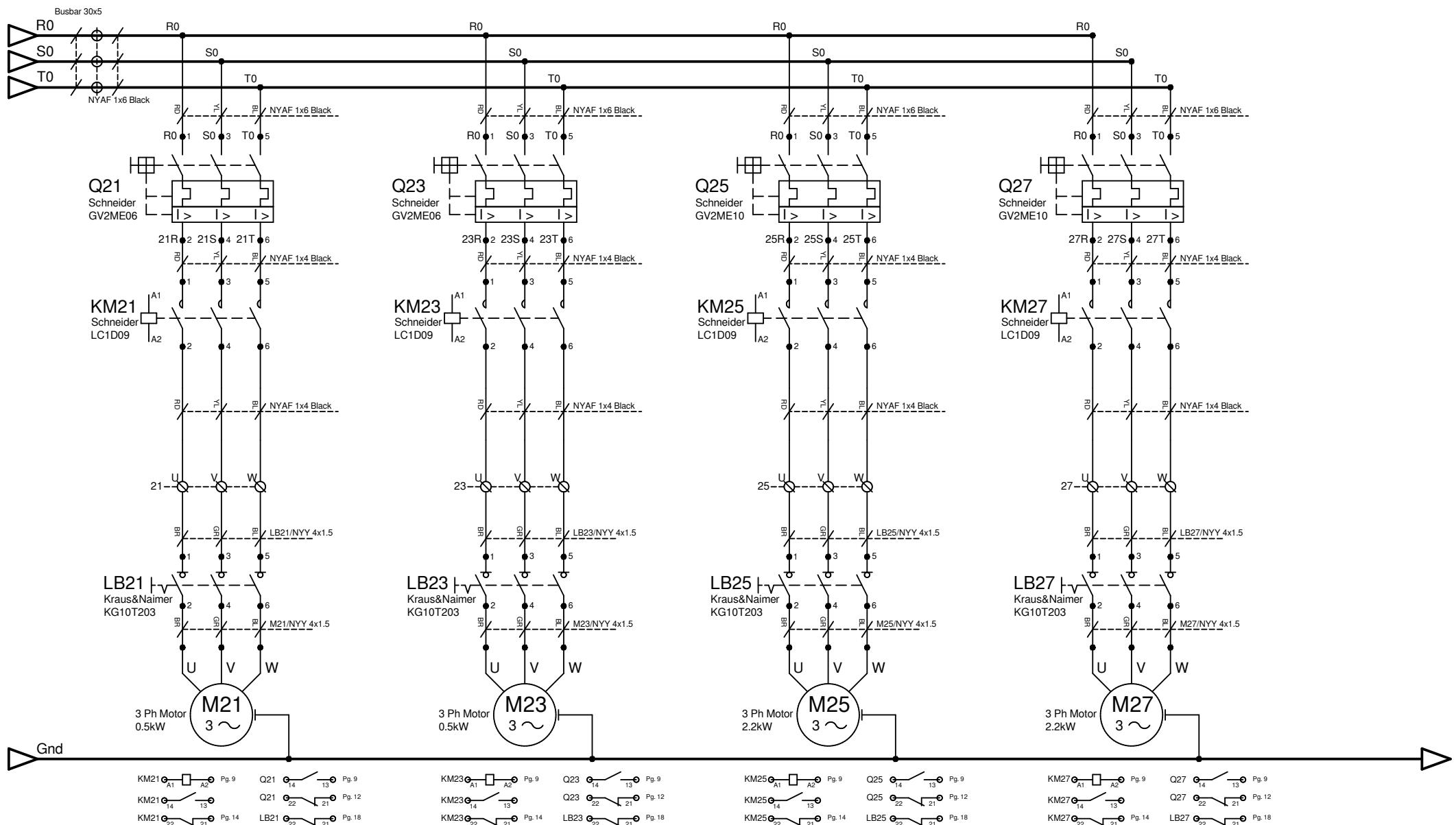
Dust Collector 63/ NYY 4x4 - 100m

Cable Index	Terminal	Device/Function
Brown(BR)	63R	R
Grey(GR)	63S	S
Black(BL)	63T	T
Green-Yellow	GND	GND

0	1	2	3	4	5	6	7	8	9
Breaker Control Line		KWH Meter		Phase Control			Emergency		



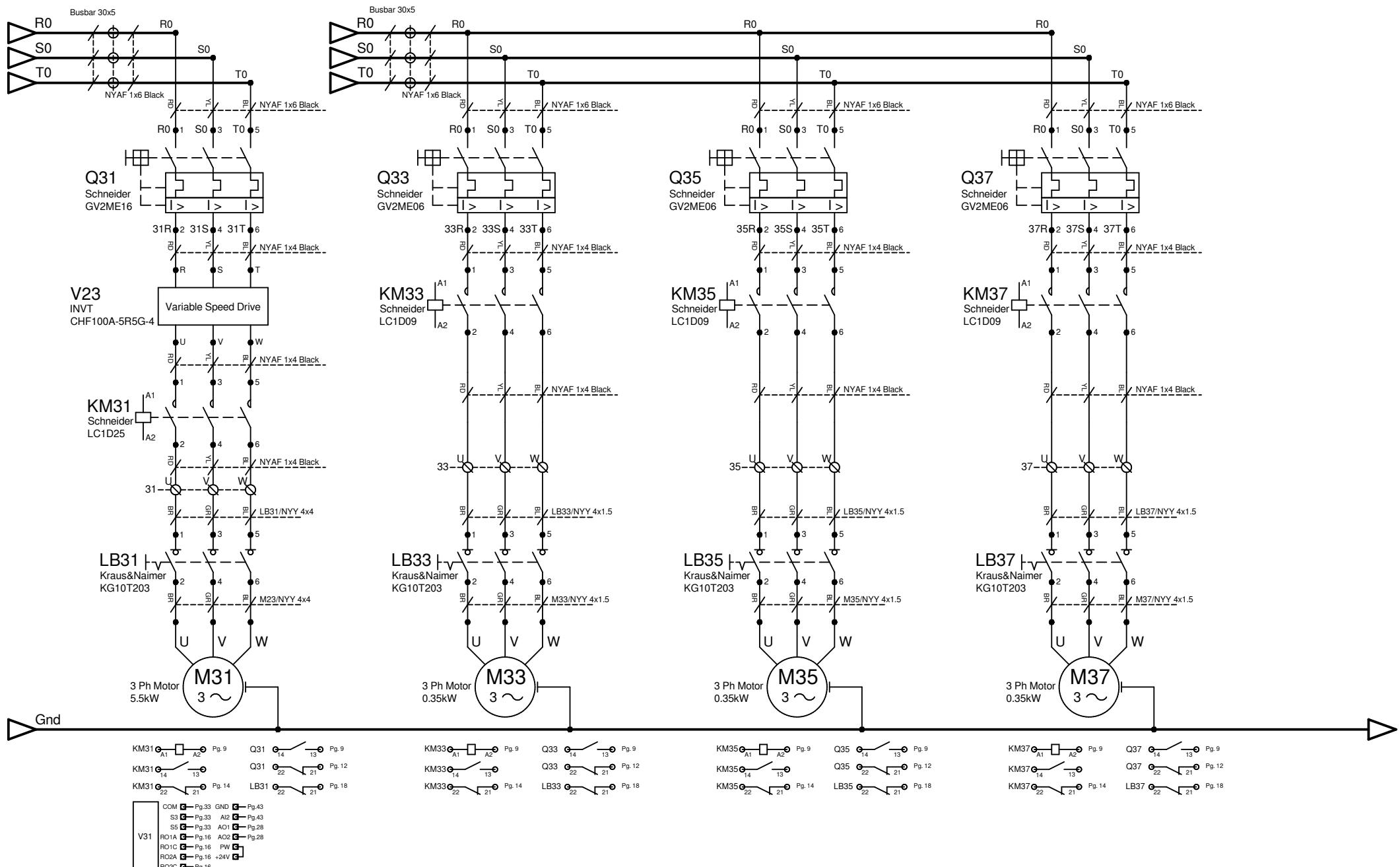
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	Vibrator 1 Cement Silo		Vibrator 2 Cement Silo		Rotary Silo Cement		Rotary Cement Weighter		



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018							
1			Checked by					
2								
3			Approved by					
4				Title	Motor Starter	F	2	0

PT SLCI

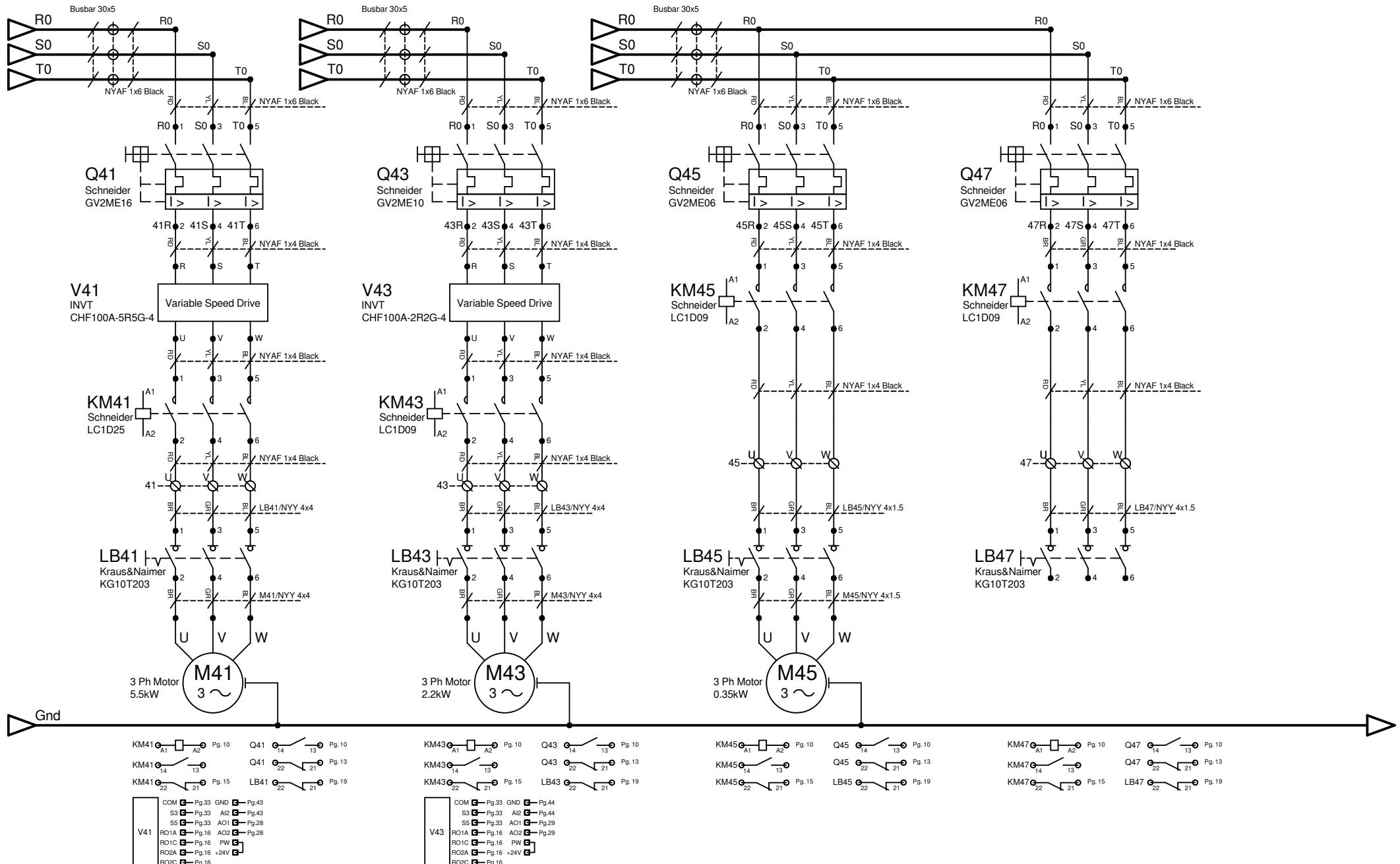
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	Screw Cement		Vibrator Cement Weighter		Mixer Vibrator 1		Mixer Vibrator 2		



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018							
1				Checked by				
2				Approved by				
3				Title	Motor Starter			
4						F	3	0

PT SLCI

0	1	2	3	4	5	6	7	8	9
	Lime & Sand Conveyor		Lime Screw		Lime Vibrator		Lime Crane		



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018							
1				Checked by				
2				Approved by				
3				Title	Motor Starter			
4					F	4	0	

PT SLCI

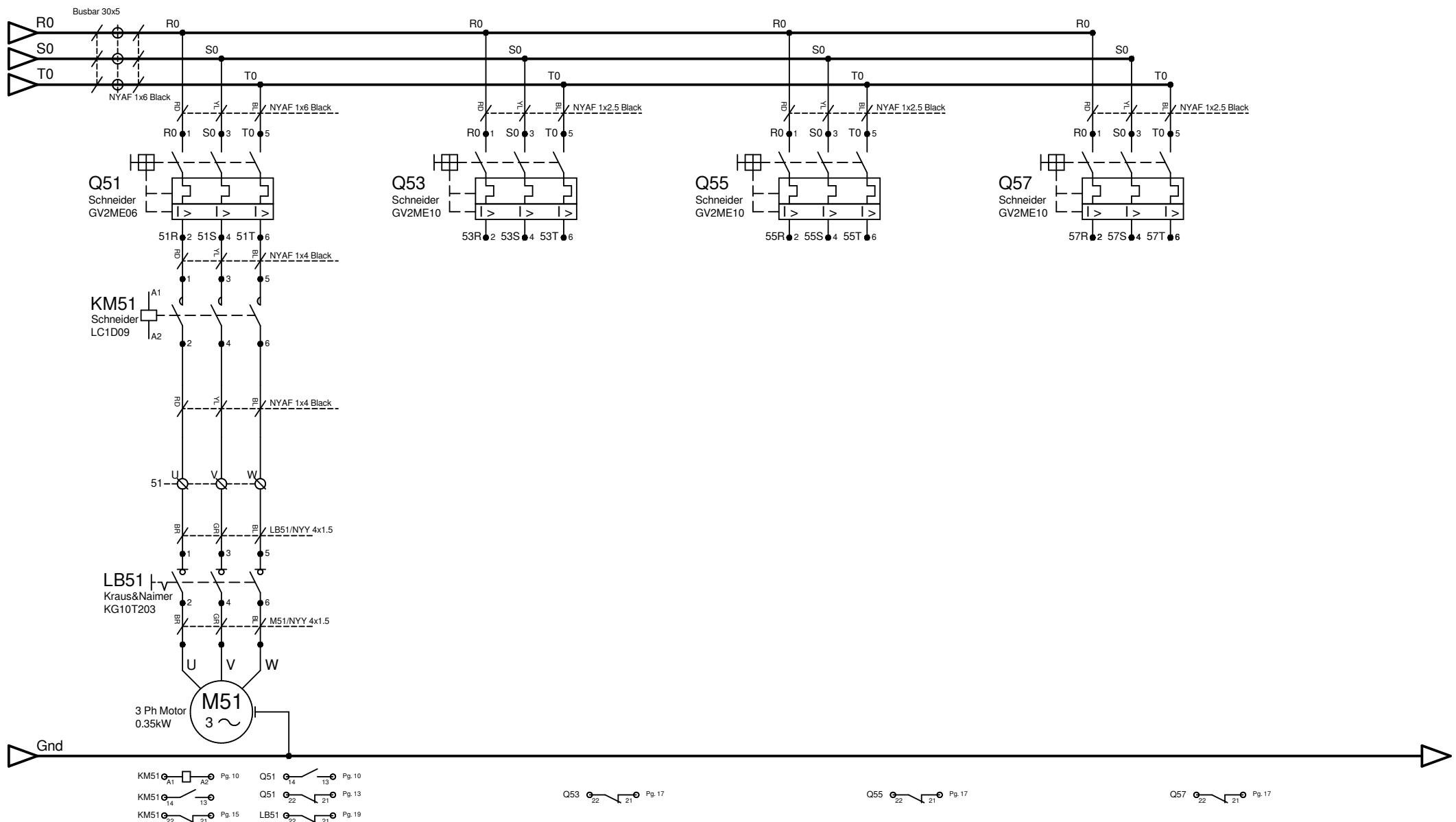
0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

Vibrator Sand

Spare 2.2kW 1

Spare 2.2kW 2

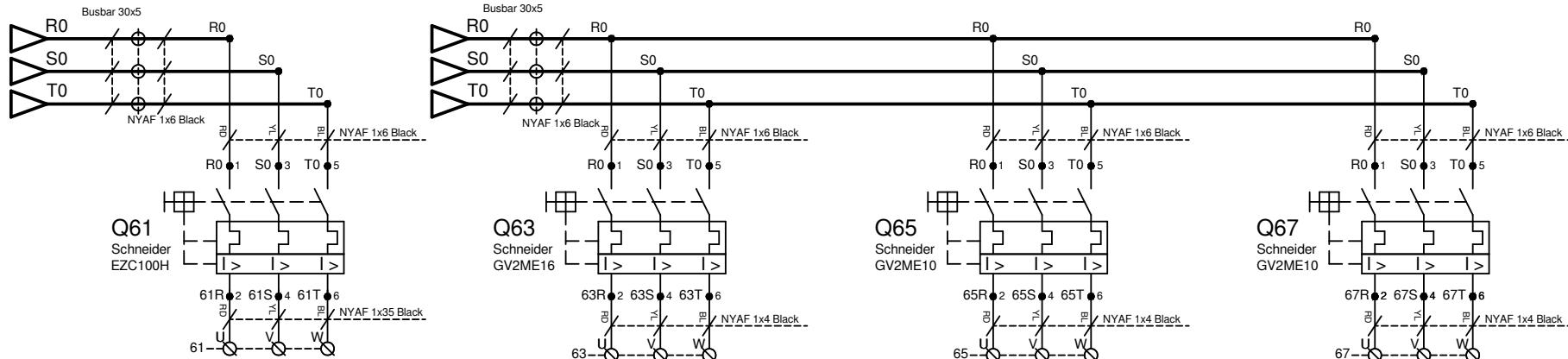
Spare 2.2kW 3



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
1	8 March 2018	Checked by				F	5	0
2		Approved by		Title	Motor Starter			
3								
4								

PT SLCI

0	1	2	3	4	5	6	7	8	9
	Mixing Panel		Duct Collector		Packing Unit 1		Packing Unit 2		



Q61 22 21 Pg. 17

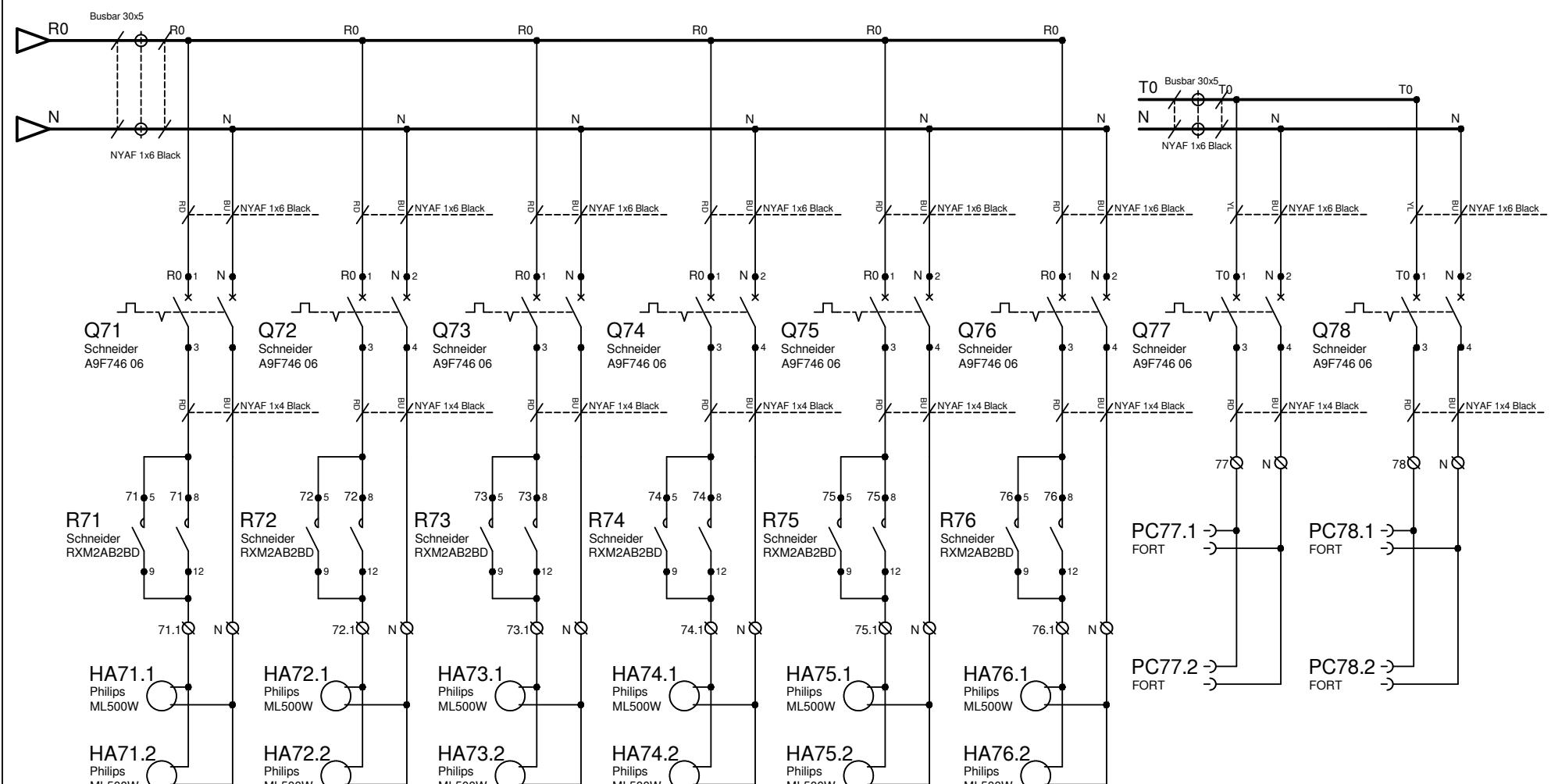
Q63 22 21 Pg. 17

Q65 22 21 Pg. 17

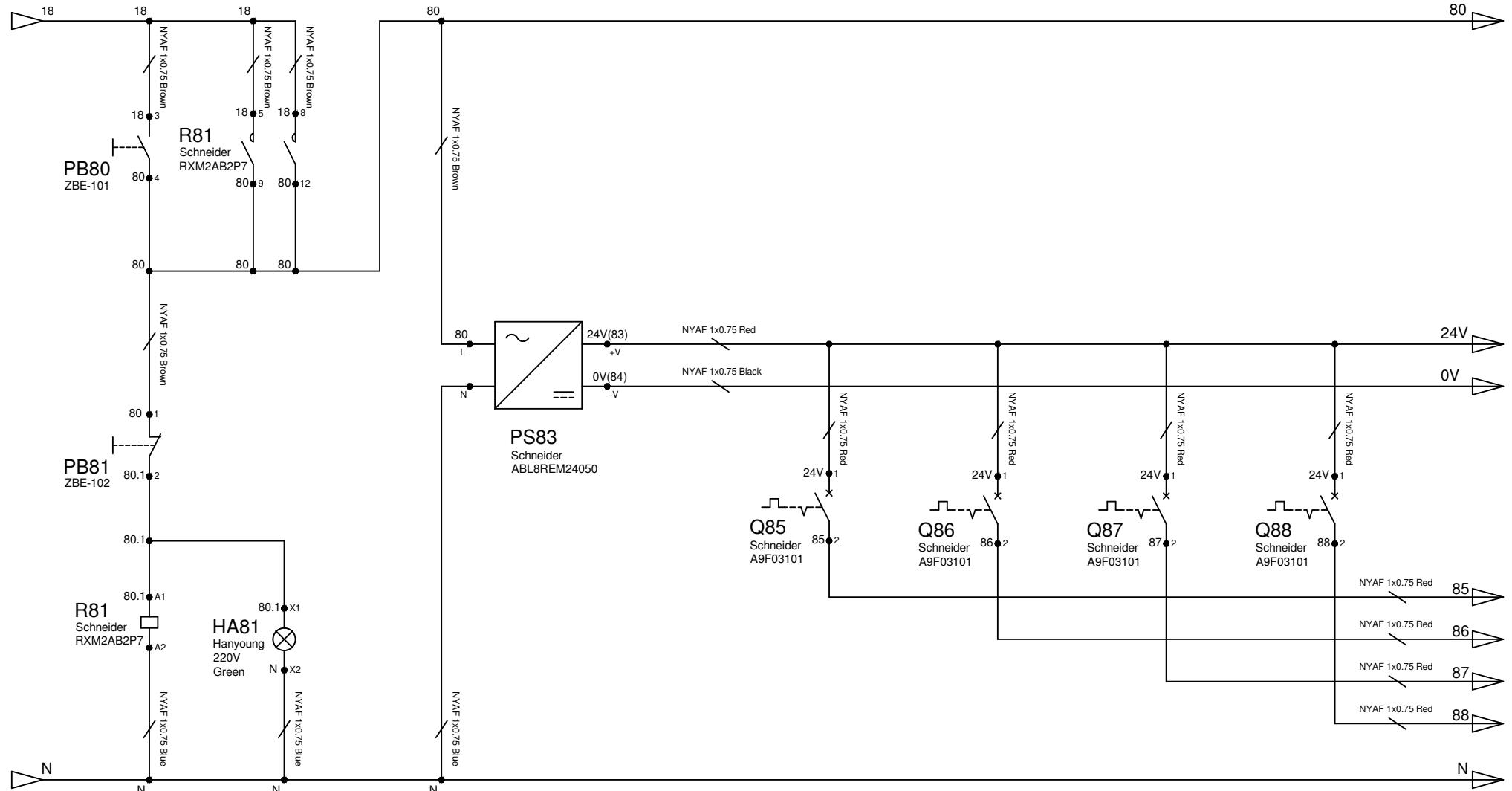
Q67 22 21 Pg. 17

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018						1		
1		Checked by			3		2		
2					4				
3		Approved by			Title	Motor Starter			
4						F	6	0	

0	1	2	3	4	5	6	7	8	9
	Lighting 1A	Lighting 1B	Lighting 2A	Lighting 2B	Lighting 3	Lighting 4	Power Plug 1	Power Plug 2	

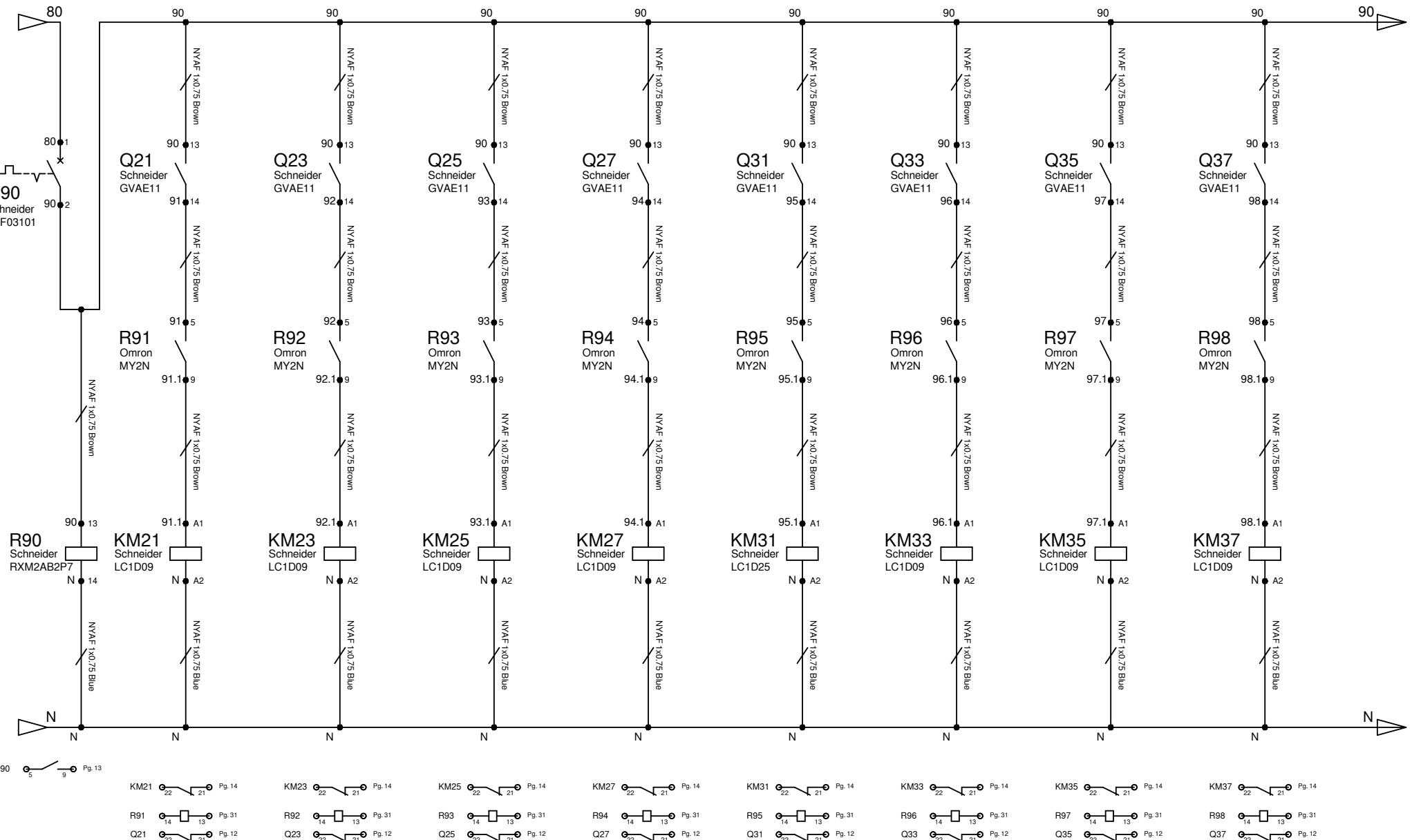
R71 G₁₄ □ 13 Pg. 33R72 G₁₄ □ 13 Pg. 33R73 G₁₄ □ 13 Pg. 34R74 G₁₄ □ 13 Pg. 34R75 G₁₄ □ 13 Pg. 34R76 G₁₄ □ 13 Pg. 34

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018						F	7	0
1									
2									
3									
4									
					Title	Motor Starter			



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018						F	8	0
1					Checked by				
2					Approved by				
3					Title		DC Power		
4									

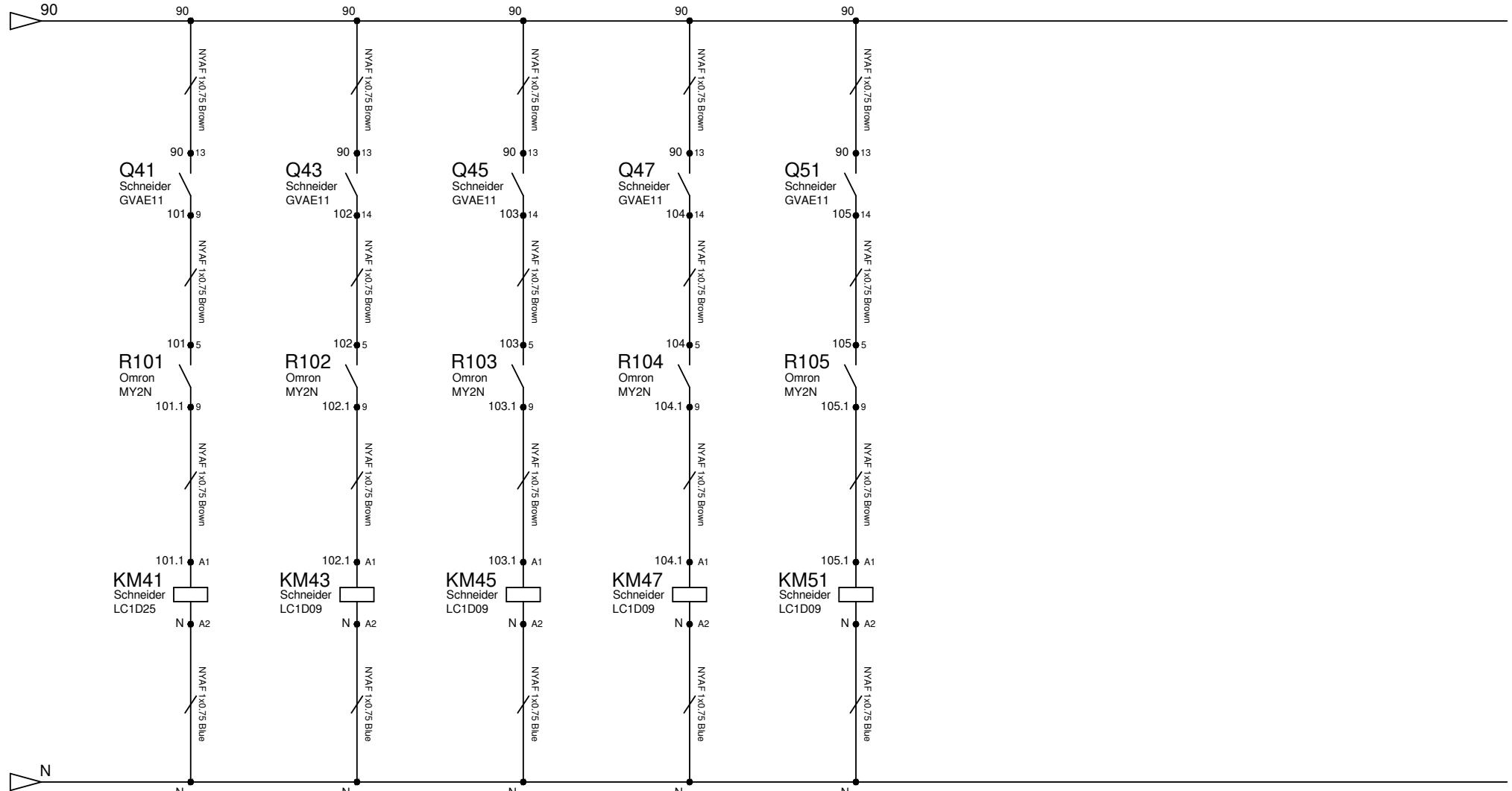
0	1	2	3	4	5	6	7	8	9
	Vib 1 Cement Silo, Run	Vib 2 Cement Silo, Run	Rot Cement Silo, Run	Rot Cement Weigher, Run	Srew Cement Weigher, Run	Vib Cement Weigher, Run	Vibrator Mixer 1, Run	Vibrator Mixer 2, Run	



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018					F	9	0
1				Checked by				
2				Approved by				
3				Title	Contactor Signal			
4								

PT SLCI

0	1	2	3	4	5	6	7	8	9
Lime & Sand Conveyor, Run	Lime Screw, Run	Lime Vibrator, Run	Lime Crane, Enable	Sand Vibrator, Run					



Pg. 15

R101 Pg. 32

Q41  Pg. 1

Pg. 15

R102 Pg. 32

Q43 Pg. 13

Pg. 15

R103 Pg. 32

Q45 Pg. 13

Pg. 15

R104 Pg. 32

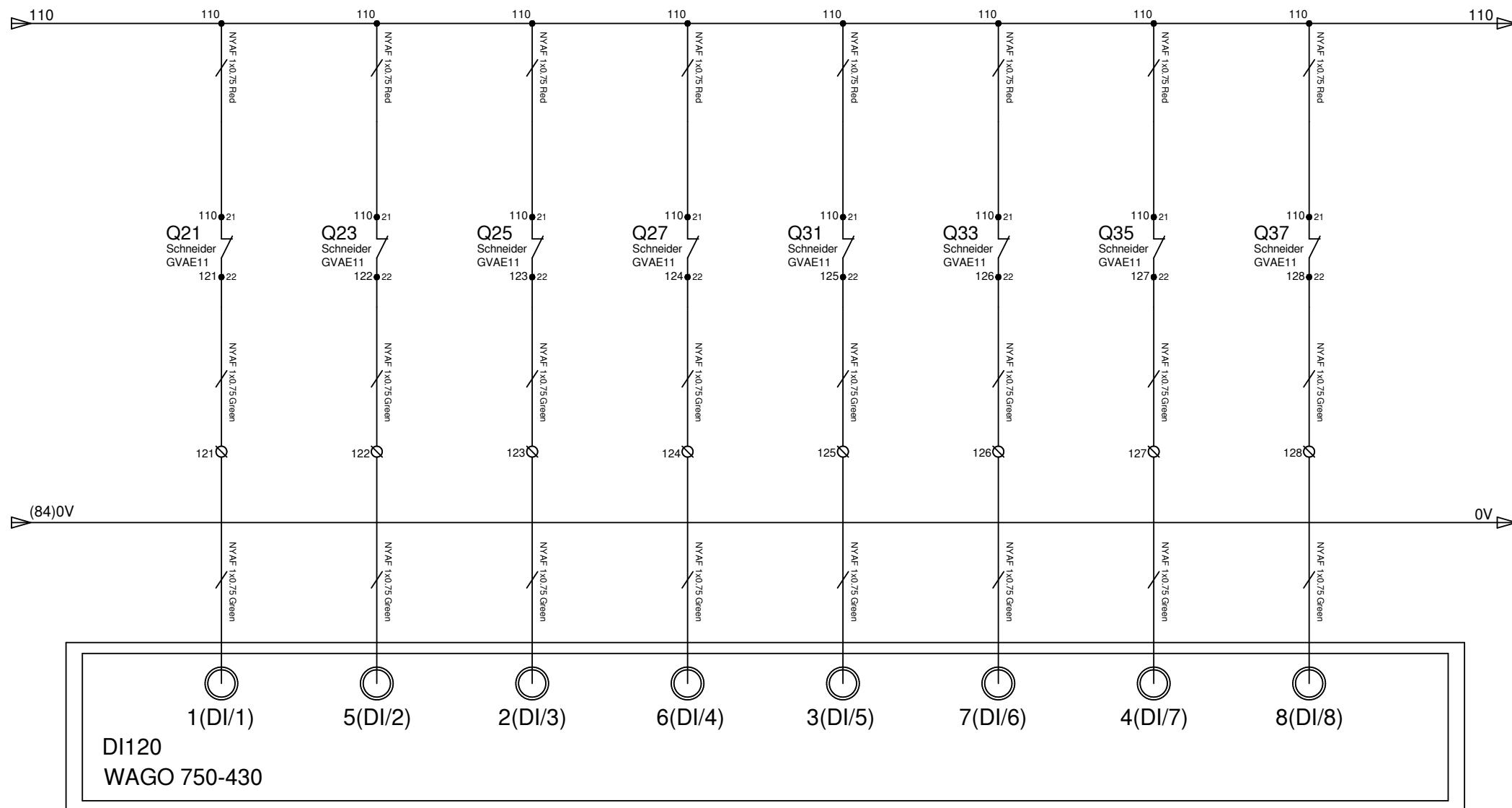
Q47 Pg. 13

Pg. 15

R85 Pg. 32

Q51 Pg. 13

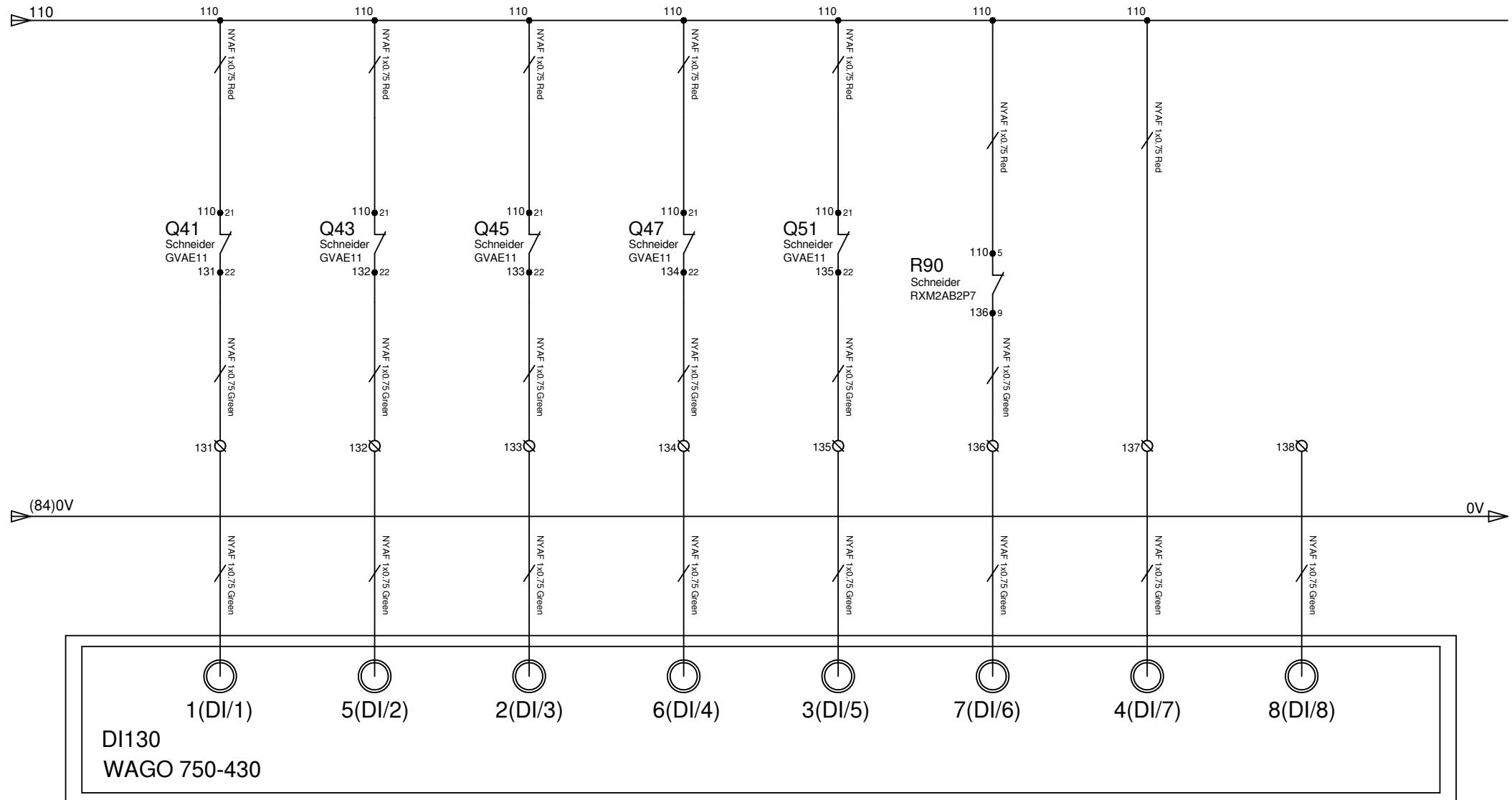
0	1	2	3	4	5	6	7	8	9
	Vib 1 Cement Silo, Trip	Vib 2 Cement Silo, Trip	Rot Cement Silo, Trip	Rot Cement Weigher, Trip	Srew Cement Weigher, Trip	Vib Cement Weigher, Trip	Vibrator Mixer 1, Trip	Vibrator Mixer 2, Trip	



Q21 Q23 Q25 Q27 Q31 Q33 Q35 Q37 Pg. 9 Pg. 9

Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	12	0
1		Checked by					
2		Approved by					
3					Title	Digital Input Module, Running Indicator	
4							

0	1	2	3	4	5	6	7	8	9
Lime & Sand Conveyor, Run	Lime Screw, Run	Lime Vibrator, Run	Lime Crane, Enable	Sand Vibrator, Run	Power Node 80	Power Node 110	Spare		



Q41 14 13 Pg. 10

Q43 14 12 Pg. 10

Q45 14 13 Pg. 10

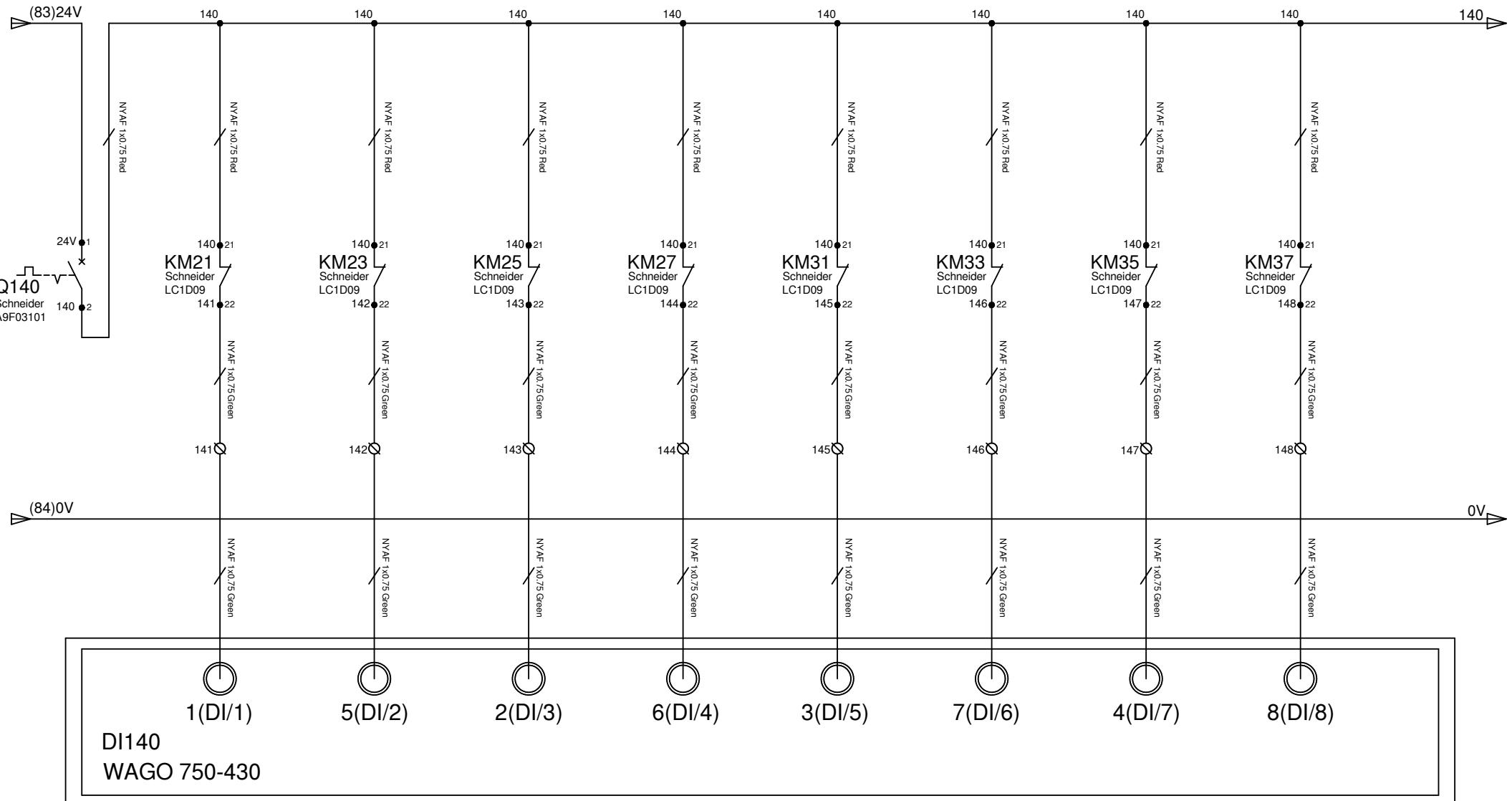
Q47 14 13 Pg. 10

Q51 14 13 Pg. 10

R90 13 14 Pg. 9

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
1							F	13	0
2									
3									
4									

0	1	2	3	4	5	6	7	8	9
	Vib 1 Cement Silo, Run	Vib 2 Cement Silo, Run	Rot Cement Silo, Run	Rot Cement Weigher, Run	Srew Cement Weigher, Run	Vib Cement Weigher, Run	Vibrator Mixer 1, Run	Vibrator Mixer 2, Run	



KM21 A1 A2 Pg. 9

KM23 A1 A2 Pg. 9

KM25 A1 A2 Pg. 9

KM27 A1 A2 Pg. 9

KM31 A1 A2 Pg. 9

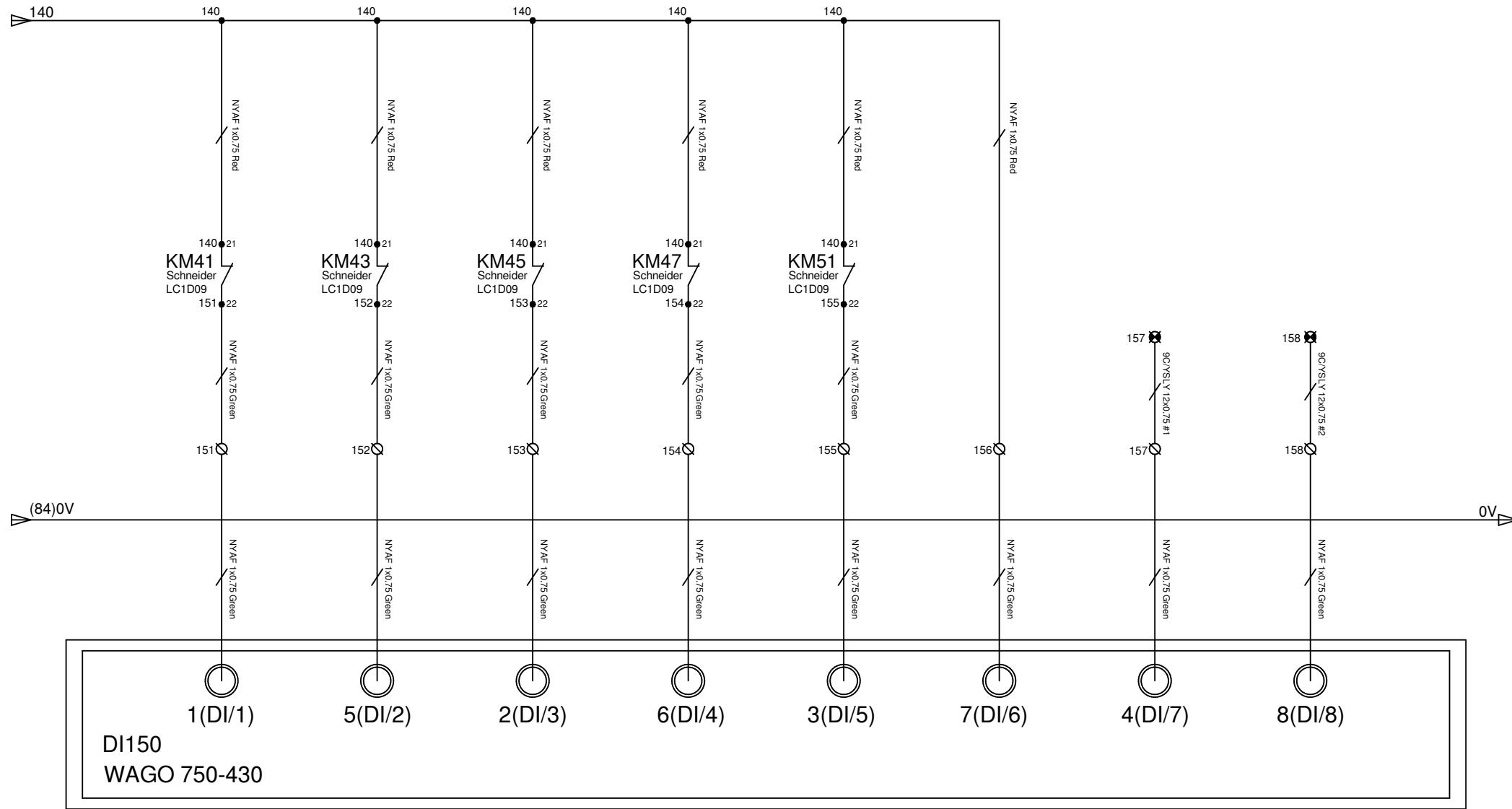
KM33 A1 A2 Pg. 9

KM35 A1 A2 Pg. 9

Pg. 9

Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	14	0
1		Checked by					
2							
3		Approved by					
4		Title	Digital Input Module				

0	1	2	3	4	5	6	7	8	9
Lime & Sand Conveyor, Run	Lime Screw, Run	Lime Vibrator, Run	Lime Crane, Enable	Sand Vibrator, Run	Power Node 140	DI Spare 1, Mixer	DI Spare 2, Mixer		



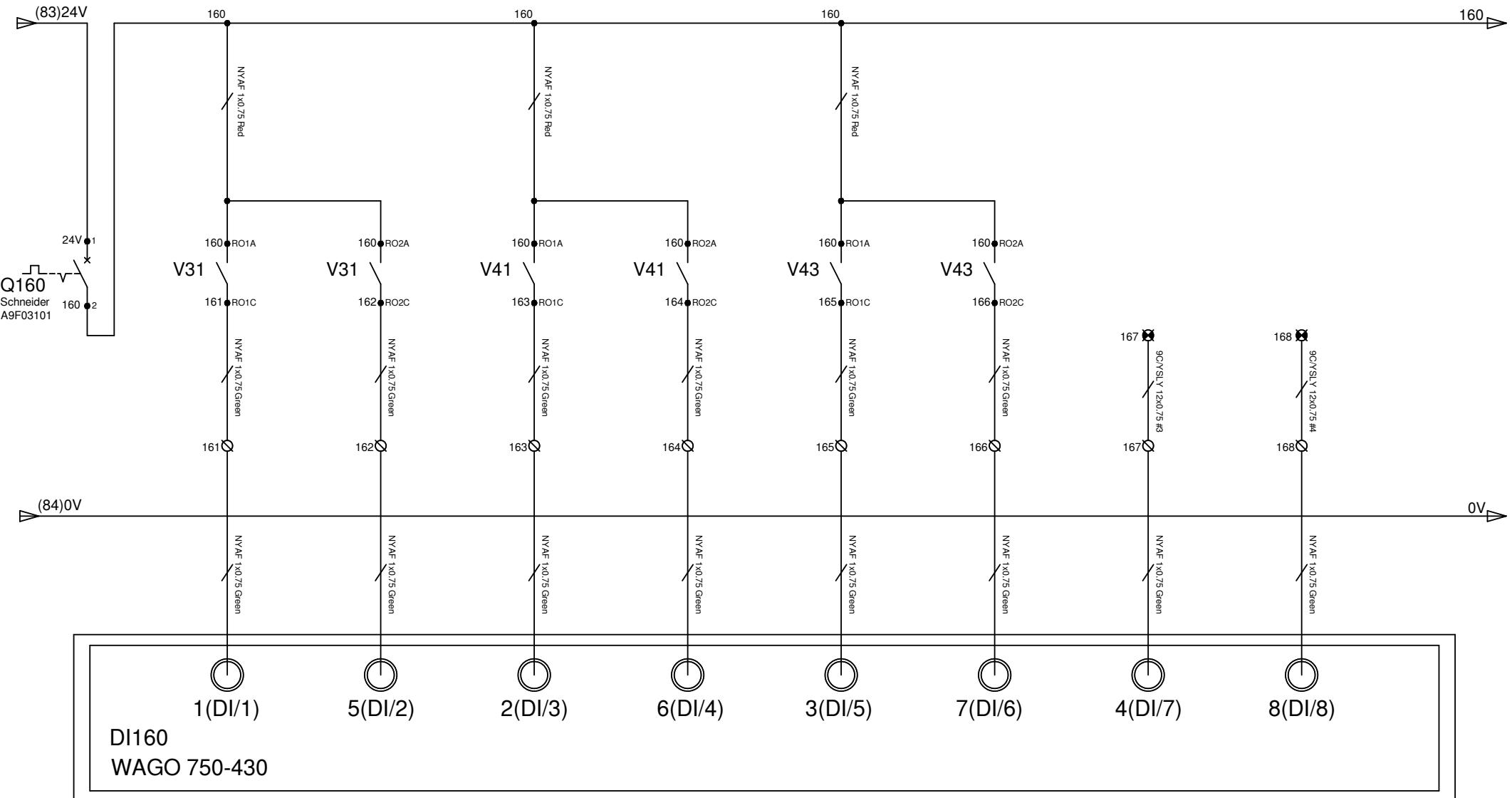
KM21 C M1 A2 Pg. 10

KM25 Pg. 1

KM27 Pg. 10

Pg. 10

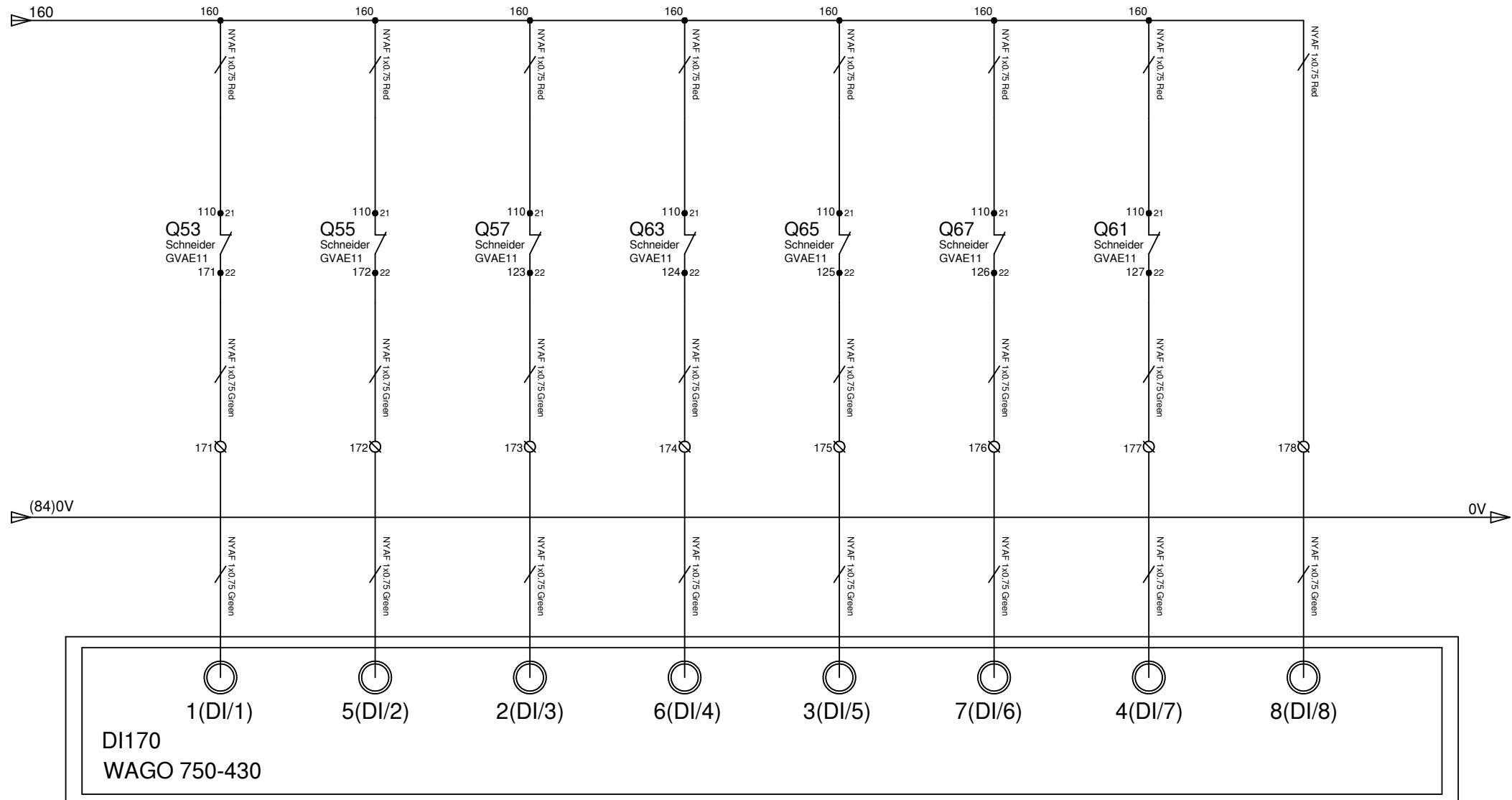
0	1	2	3	4	5	6	7	8	9
	Run, Screw Cement	Fault, Screw Cement	Run, Lime&Sand Conv	Fault, Lime&Sand Conv	Run, Screw Lime	Fault, Screw Lime	DI Spare 3, Mixer	DI Spare 4, Mixer	



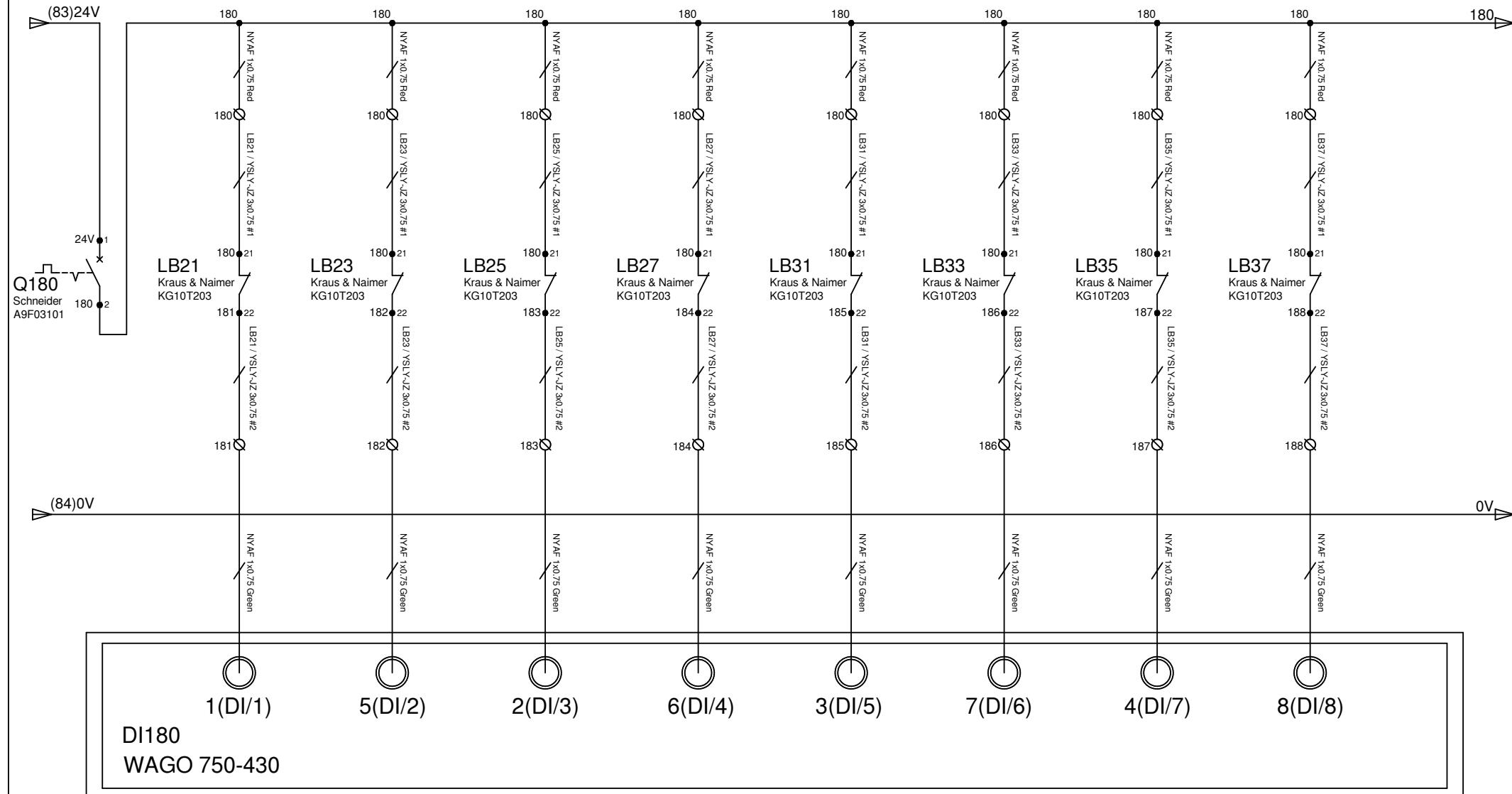
Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018							
1			Checked by					
2								
3			Approved by					
4				Title	Digital Input Module			
						F	16	0

PT SLCI

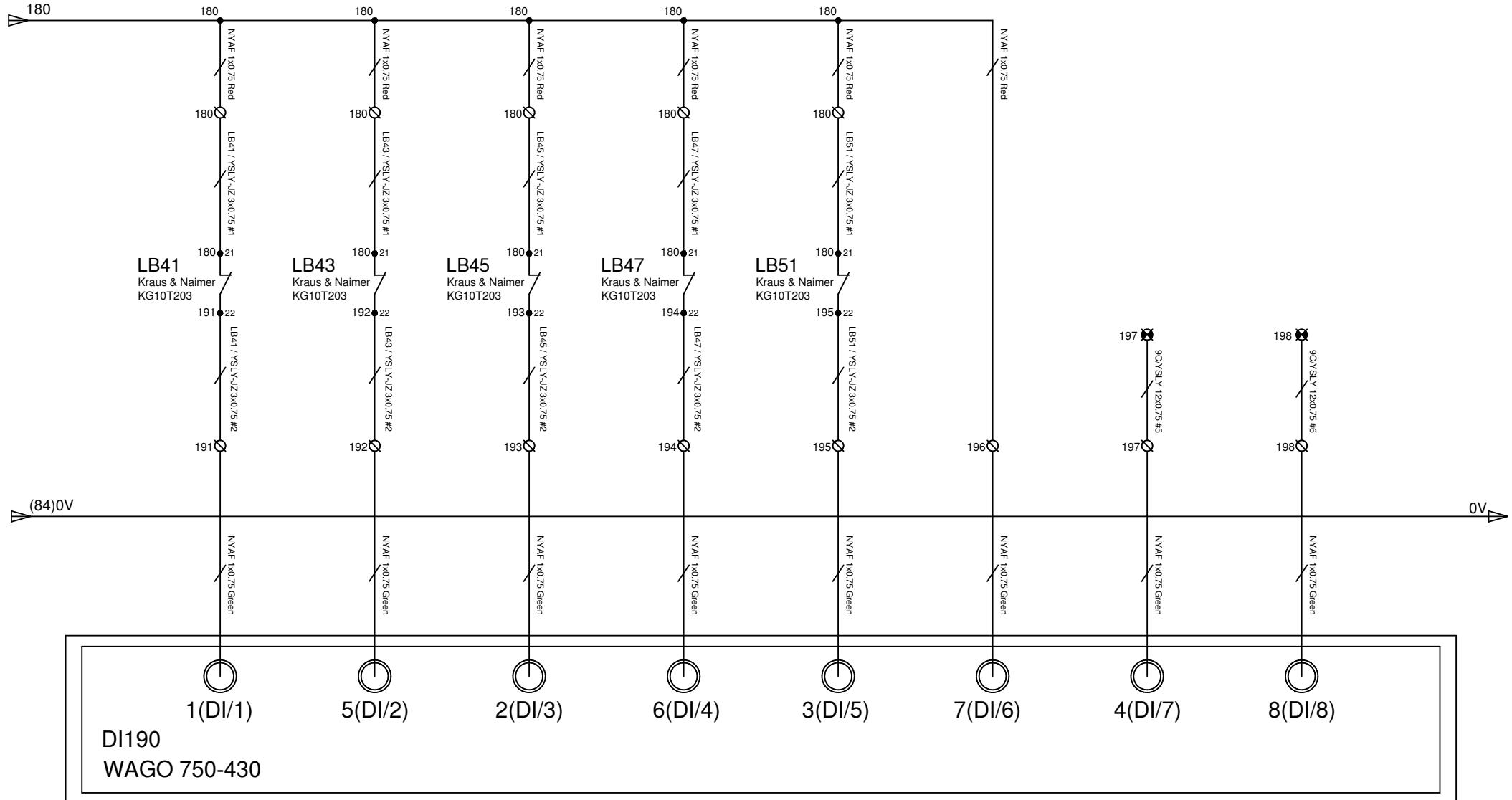
0	1	2	3	4	5	6	7	8	9
	Spare 2.2kW 1	Spare 2.2kW 2	Spare 2.2kW 3	Dust Collector	Packing Unit 1	Packing Unit 2	Mixer	Power Node 160	



0	1	2	3	4	5	6	7	8	9
	Vib 1 Cement Silo	Vib 2 Cement Silo	Rot Cement Silo	Rot Cement Weigher	Srew Cement Weigher	Vib Cement Weigher	Vibrator Mixer 1	Vibrator Mixer 2	

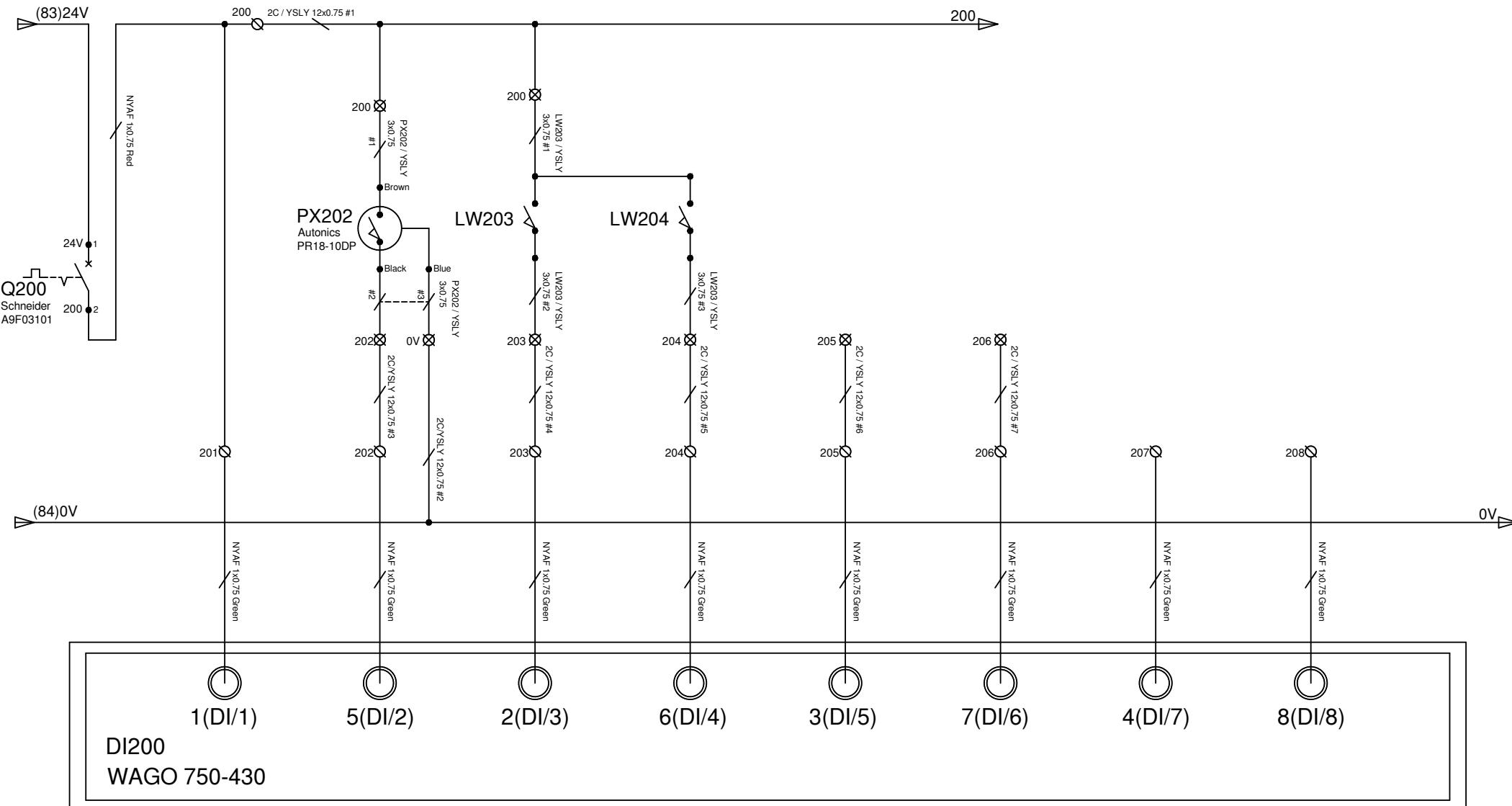


0	1	2	3	4	5	6	7	8	9
	Lime & Sand Conveyor, Run	Lime Screw, Run	Lime Vibrator, Run	Lime Crane, Enable	Sand Vibrator, Run	Power Node 180	DI Spare 5, Mixer	DI Spare 6, Mixer	



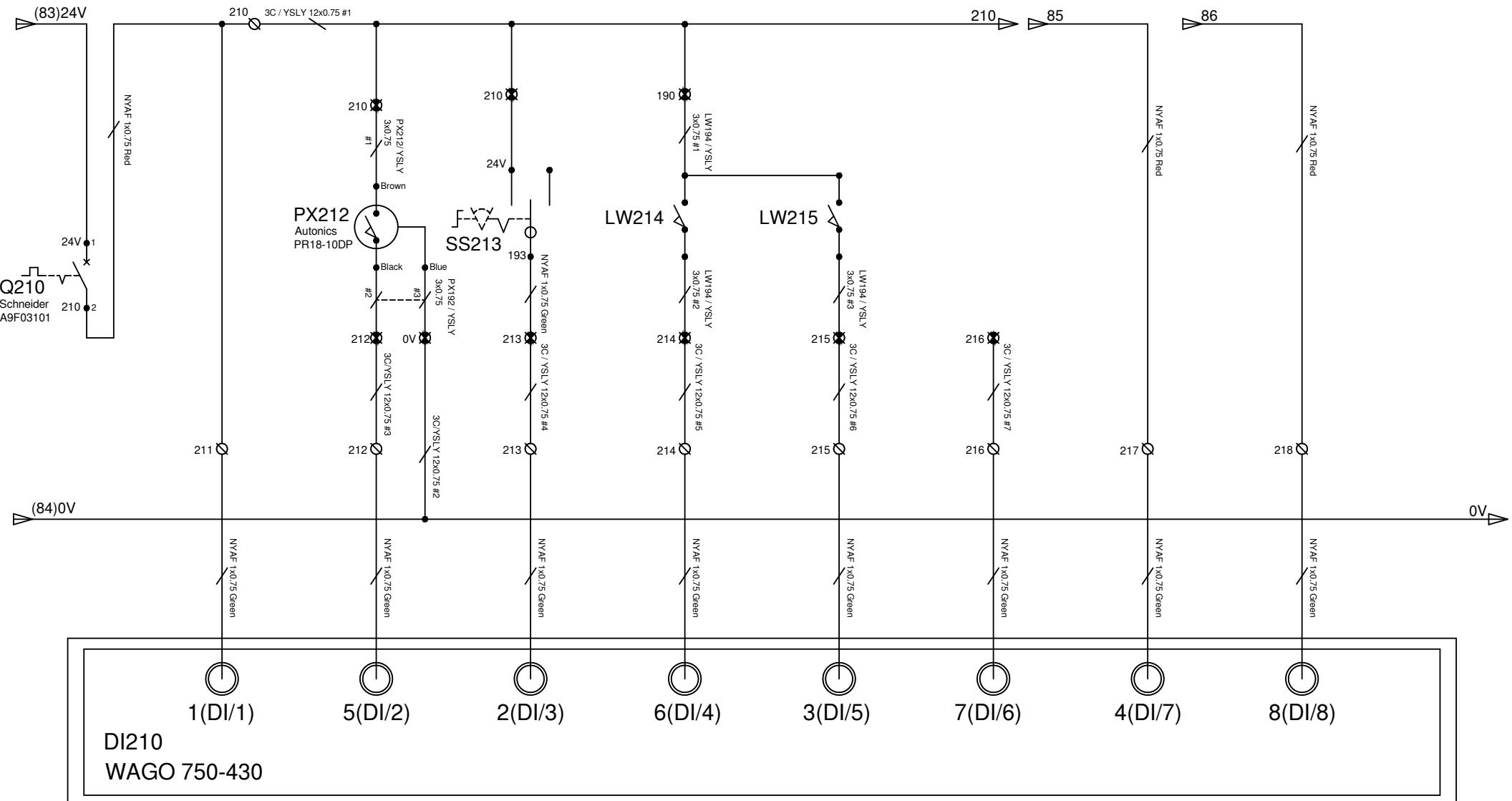
Rev	Date	Drawn by	Area	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	0
1		Checked by				
2		Approved by				
3				Title	Digital Input Module, Cut off power	19
4						

0	1	2	3	4	5	6	7	8	9
	Power Node 200	Screw Cement Control	Valve Open	Valve Close	DI Spare 1, Cement	DI Spare 2, Cement	DI Spare 1, Main Panel	DI Spare 2, Main Panel	



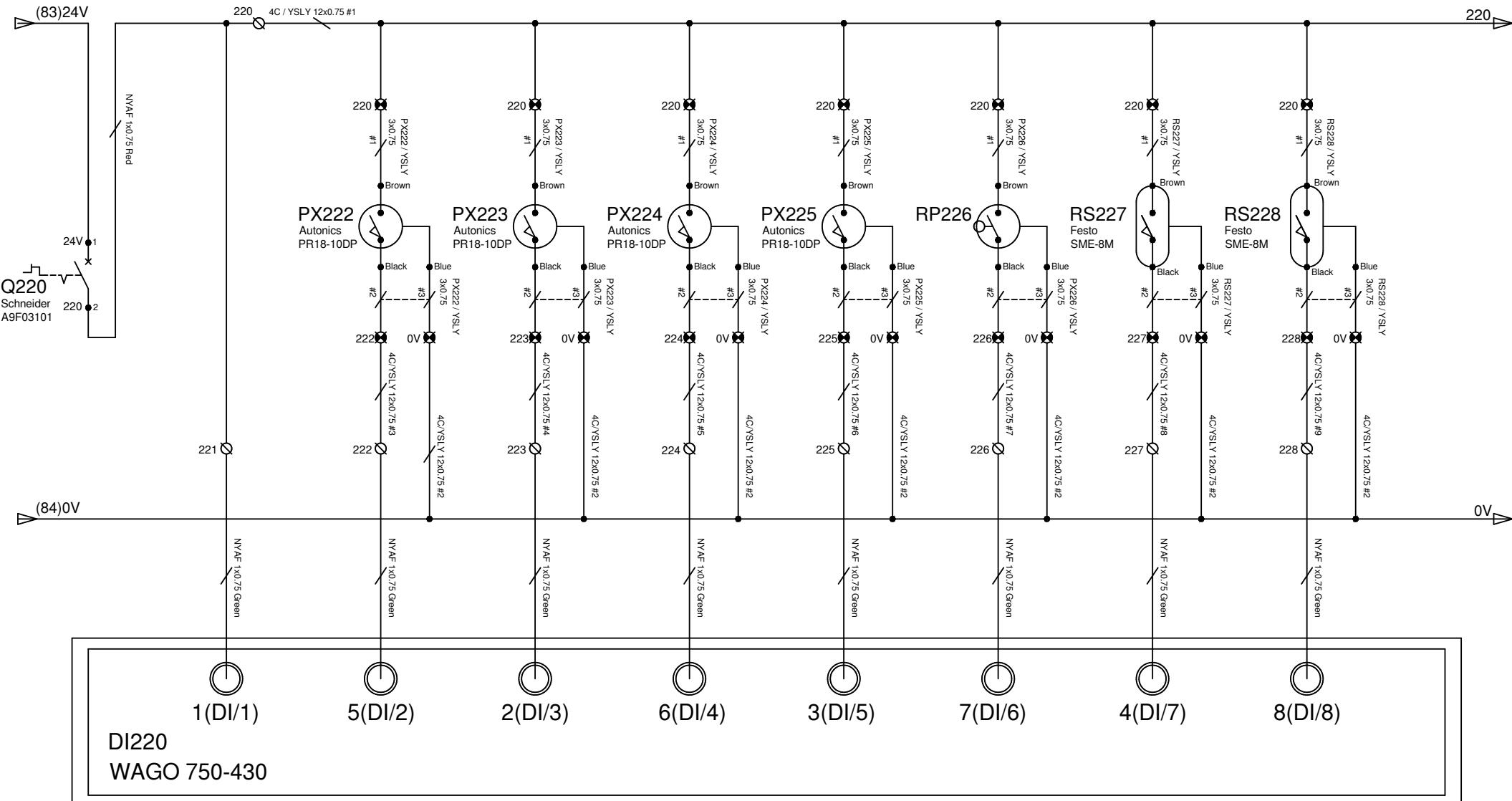
Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018								
1		Checked by					F	20	0
2									
3		Approved by			Title	Digital Input Module			
4									

0	1	2	3	4	5	6	7	8	9
	Power Node 210	Screw Lime Control	Interrupt Lime	Valve Opened	Valve Closed	DI Spare 1, Lime	Power Node 85	Power Node 86	



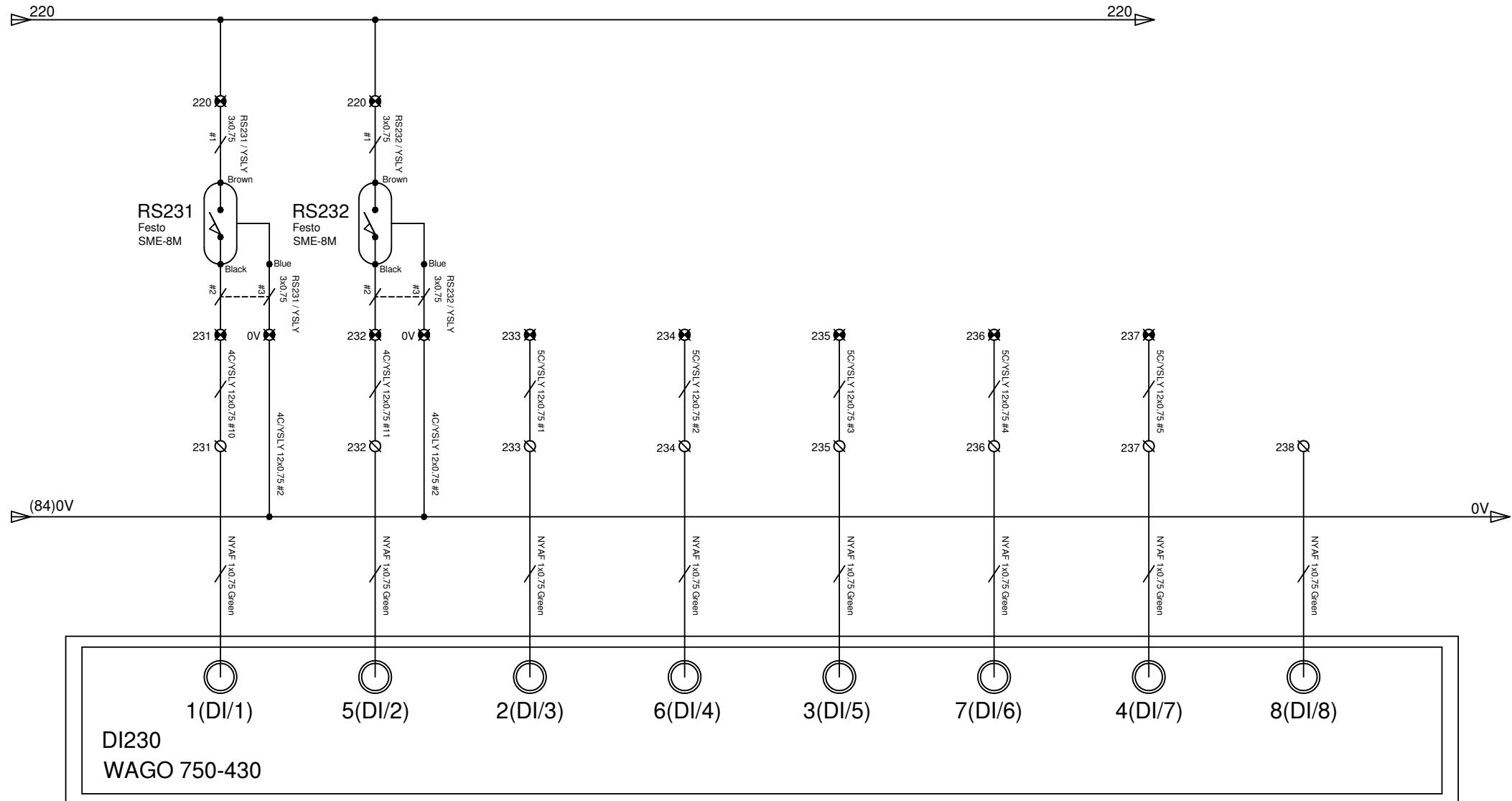
Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	21	0
1		Checked by					
2		Approved by					
3			Title	Digital Input Module			
4							

0	1	2	3	4	5	6	7	8	9
	Power Node 220	Door 1 Close	Door 1 Open	Door 2 Close	Door 2 Open	Rotary Paddle Switch	Pneumatic 1 Max	Pneumatic 1 Min	

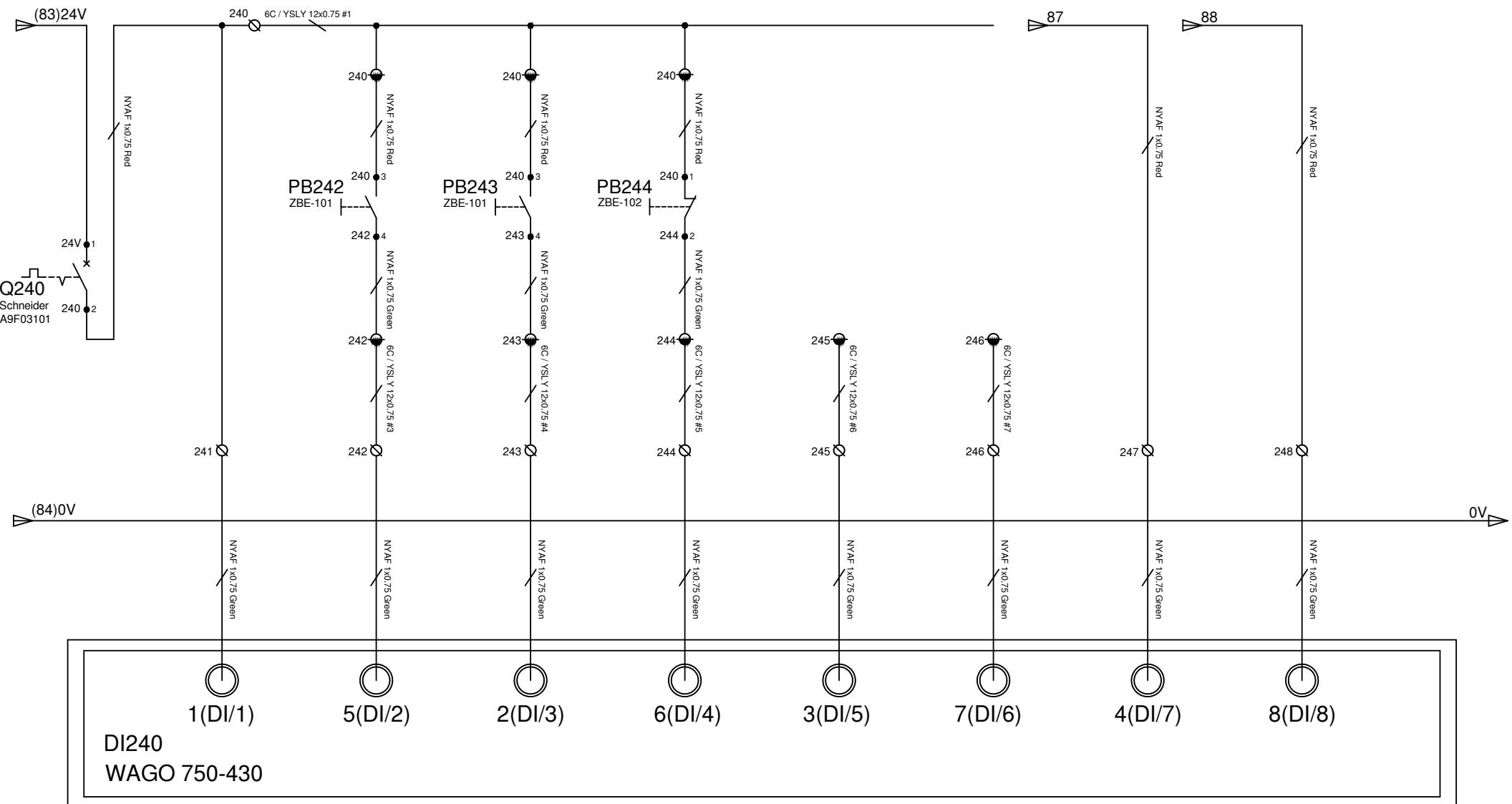


Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	22	0
1		Checked by					
2		Approved by					
3			Title	Digital Input Module			
4							

0	1	2	3	4	5	6	7	8	9
	Pneumatic 1 Max	Pneumatic 1 Min	DI Spare 7, Mixer	DI Spare 8, Mixer	DI Spare 9, Mixer	DI Spare 10, Mixer	DI Spare 11, Mixer	DI Spare 3, Main Panel	

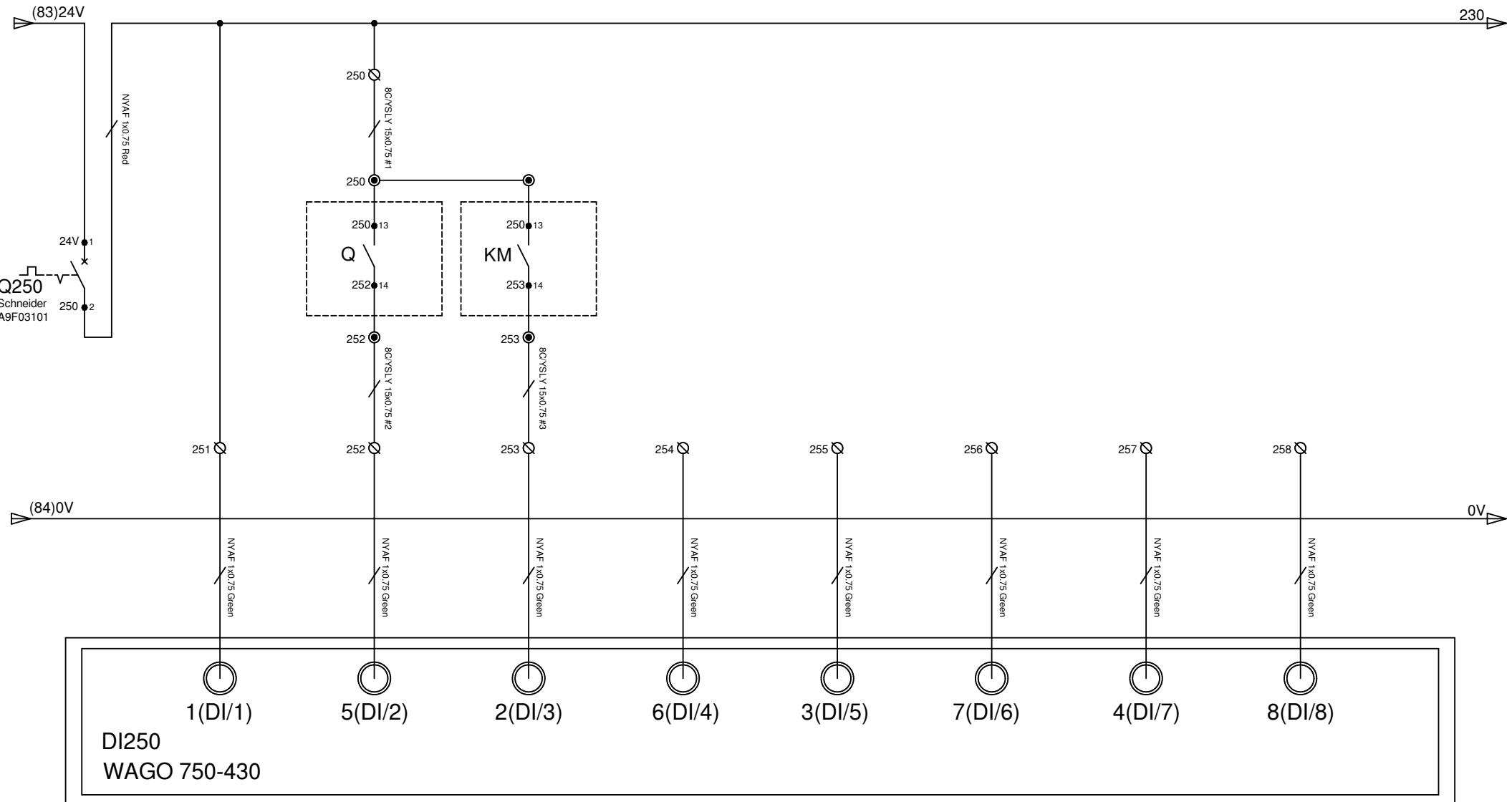


0	1	2	3	4	5	6	7	8	9
	Power Node 240	Continue Feed	Finish Unload	Pause Feed	DI Spare 1, Sand	DI Spare 2, Sand	Power Node 87	Power Node 88	



Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine Digital Input Module	F	24	0
1		Checked by					
2		Approved by					
3					Title		
4							

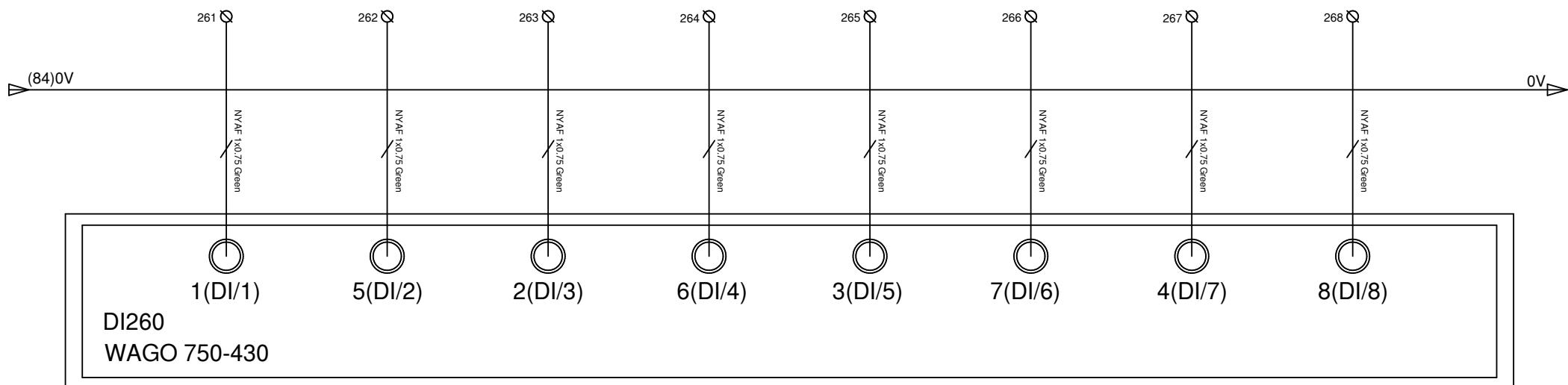
0	1	2	3	4	5	6	7	8	9
	Power Node 250	Feedback Ready DC1	Feedback Run DC1	Digital Input Spare					



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018								
1		Checked by							
2									
3		Approved by			Title		Digital Input Module		
4									
							F	25	0

0	1	2	3	4	5	6	7	8	9
	DI Spare 4, Main Panel	DI Spare 5, Main Panel	DI Spare 6, Main Panel	DI Spare 7, Main Panel	DI Spare 8, Main Panel	DI Spare 9, Main Panel	DI Spare 10, Main Panel	DI Spare 11, Main Panel	

230 → 230 →

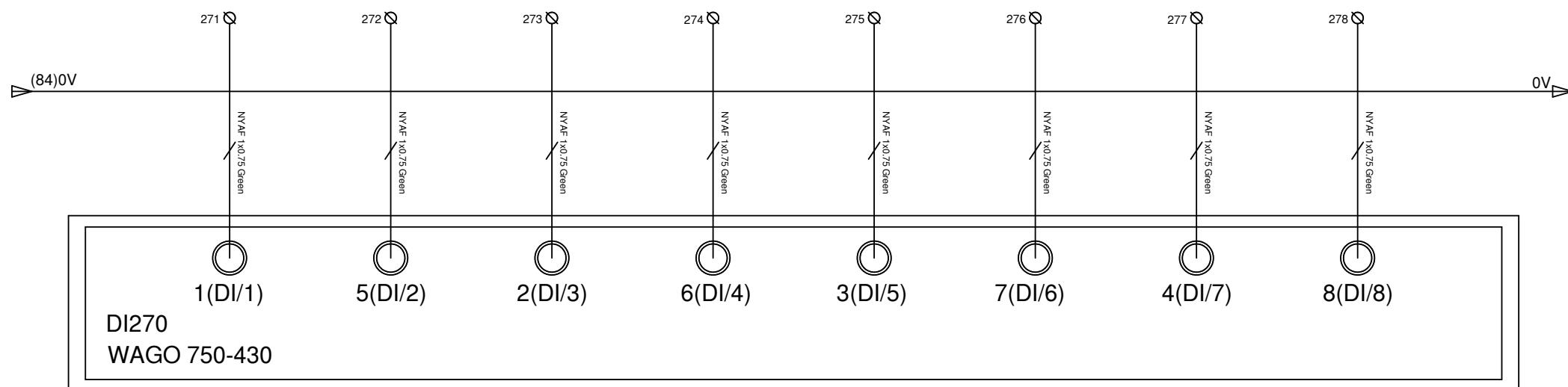


Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine Digital Input Module	F	26	0
1		Checked by					
2							
3		Approved by					

0	1	2	3	4	5	6	7	8	9
DI Spare 12, Main Panel	DI Spare 13, Main Panel	DI Spare 14, Main Panel	DI Spare 15, Main Panel	DI Spare 16, Main Panel	DI Spare 17, Main Panel	DI Spare 18, Main Panel	DI Spare 19, Main Panel		

230

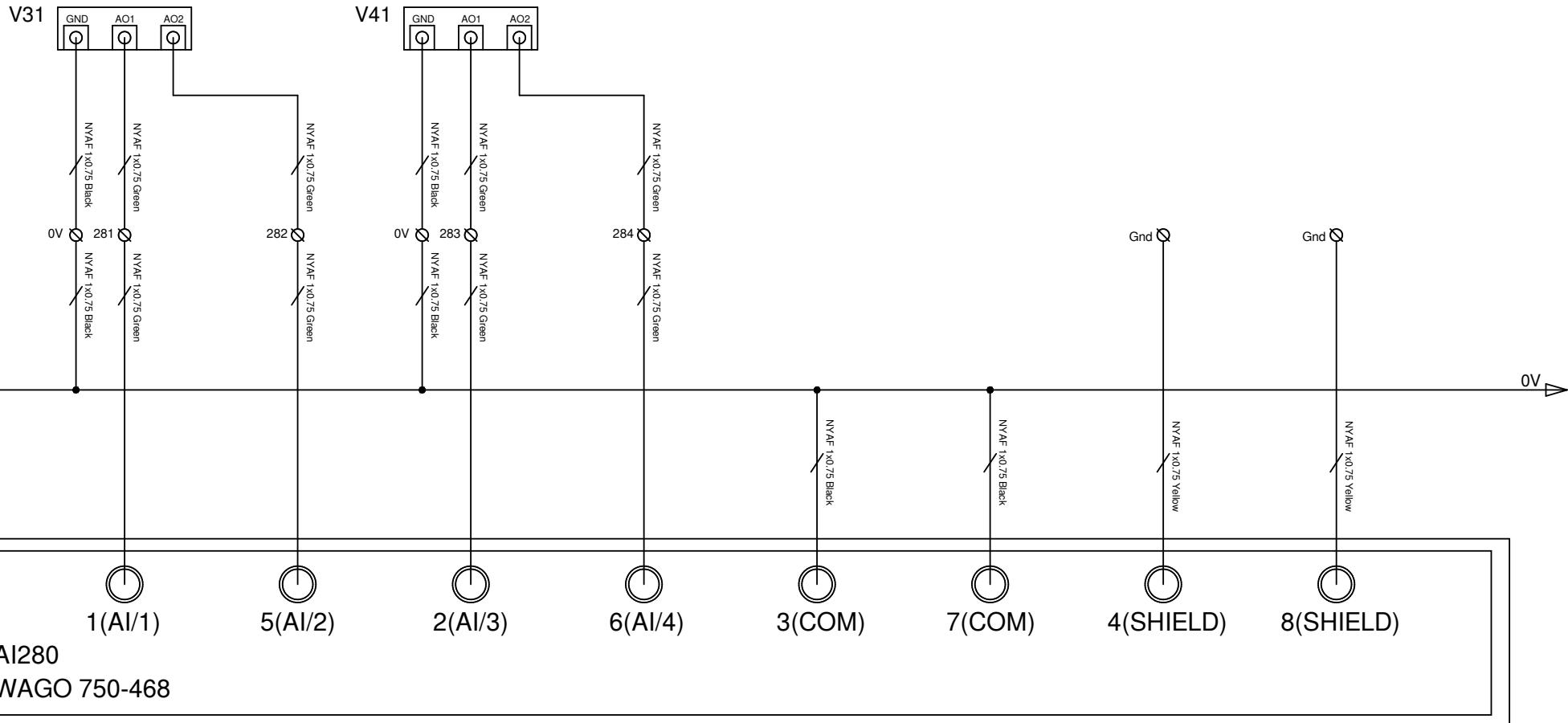
230



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision					
0	8 March 2018													
1		Checked by					F	27	0					
2														
3		Approved by				Digital Input Module								
4														

0	1	2	3	4	5	6	7	8	9
	Freq of Screw Cement	Amp of Screw Cement	Freq of Lime&Sand	Amp of Lime&Sand					

85 → 85 ←



V31

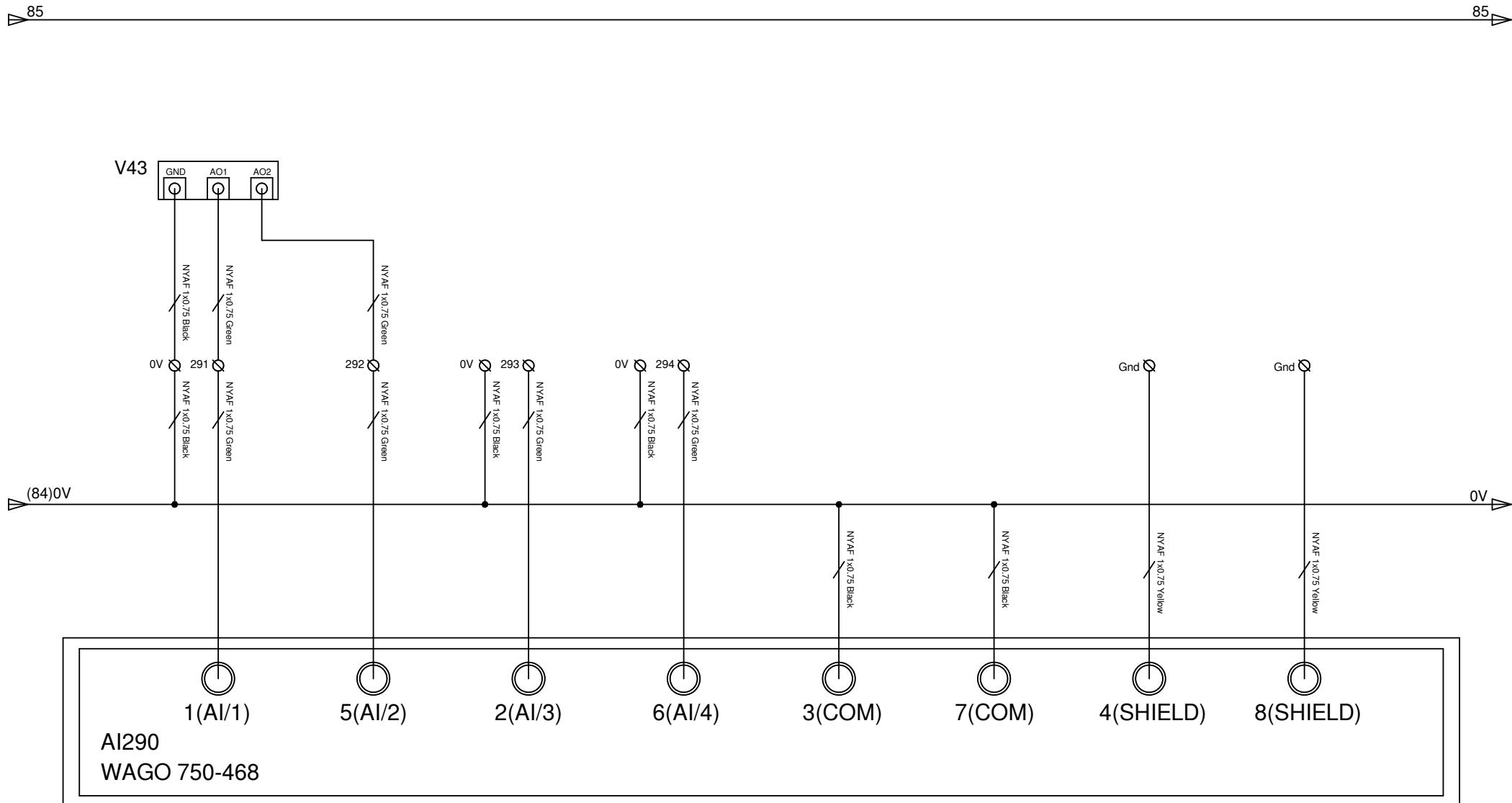
COM	Pg.33	GND	Pg.43
S3	Pg.33	AI2	Pg.43
S5	Pg.33	AO1	Pg.28
RO1A	Pg.16	AO2	Pg.28
RO1C	Pg.16	PW	
RO2A	Pg.16	+24V	
RO2C	Pg.16		

V41

COM	Pg.33	GND	Pg.43
S3	Pg.33	AI2	Pg.43
S5	Pg.33	AO1	Pg.28
RO1A	Pg.16	AO2	Pg.28
RO1C	Pg.16	PW	
RO2A	Pg.16	+24V	
RO2C	Pg.16		

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018								
1									
2									
3									
4					Title	Analog Input Module			
							F	28	0

0	1	2	3	4	5	6	7	8	9
	Freq of Screw Lime	Amp of Screw Lime	AI Spare 1, Main Panel	AI Spare 2, Main Panel					

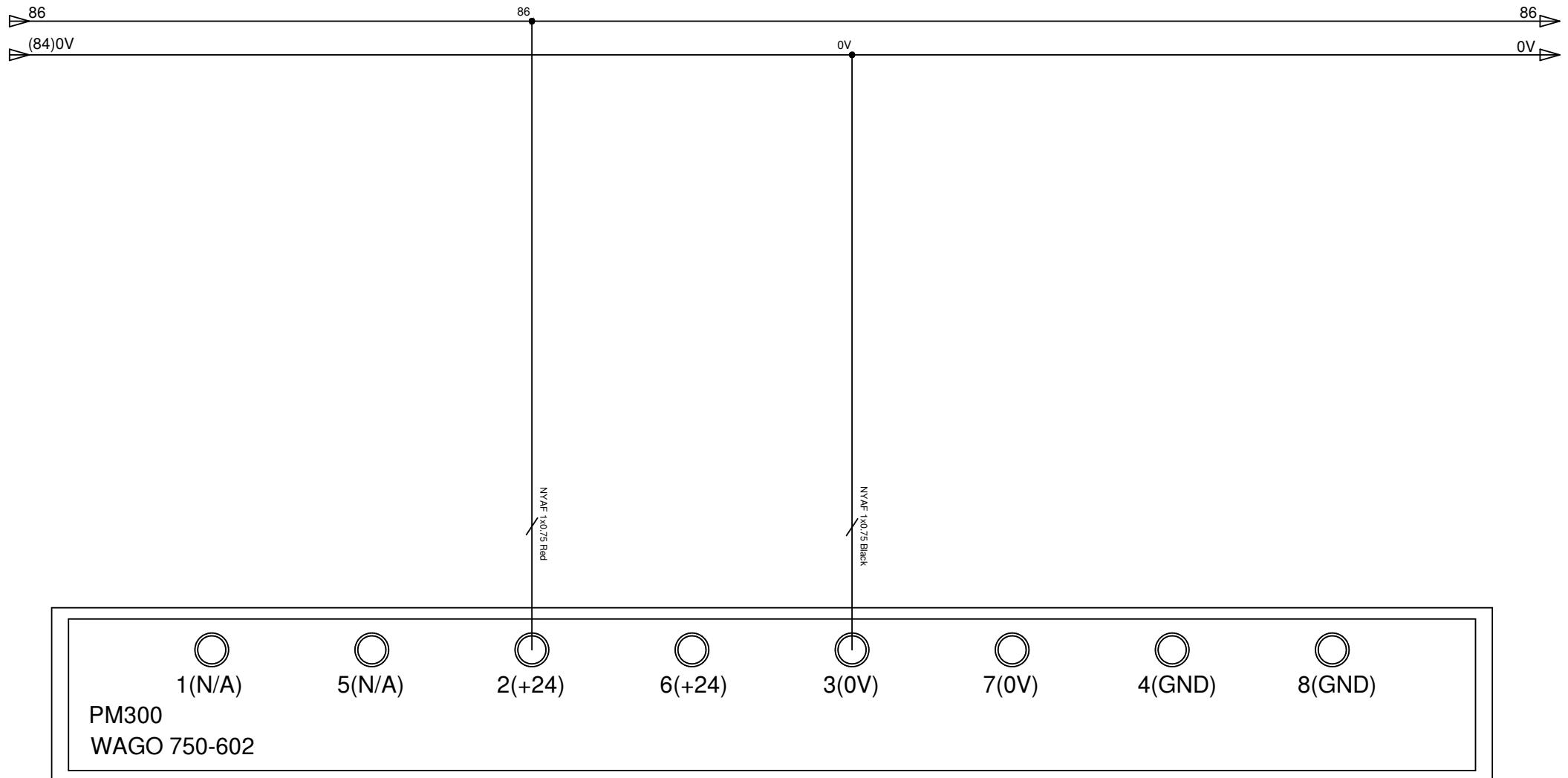


COM	Pg.33	GND	Pg.43
S3	Pg.33	AI2	Pg.43
S5	Pg.33	AI3	Pg.43
V43	RO1A Pg.16	AO1 Pg.29	
	RO1C Pg.16	PW Pg.29	
	RO2A Pg.16	+24V Pg.16	
	RO2C Pg.16		

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018						Title	Analog Input Module	
1									
2									
3									
4									

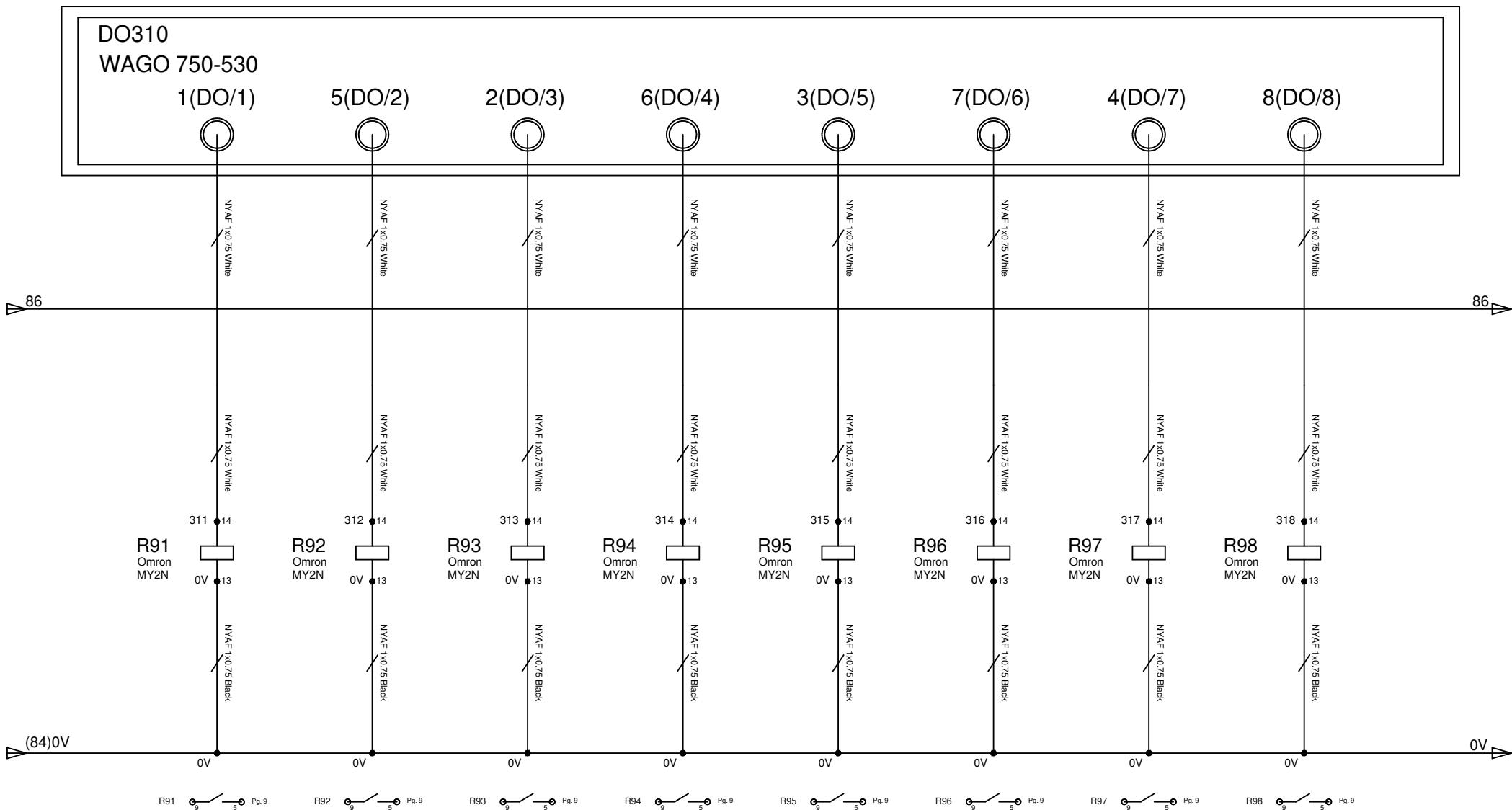
0	1	2	3	4	5	6	7	8	9
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Main Panel Output Power



Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Title	Power Wiring	F	30
1		Checked by					
2							
3		Approved by					
4							

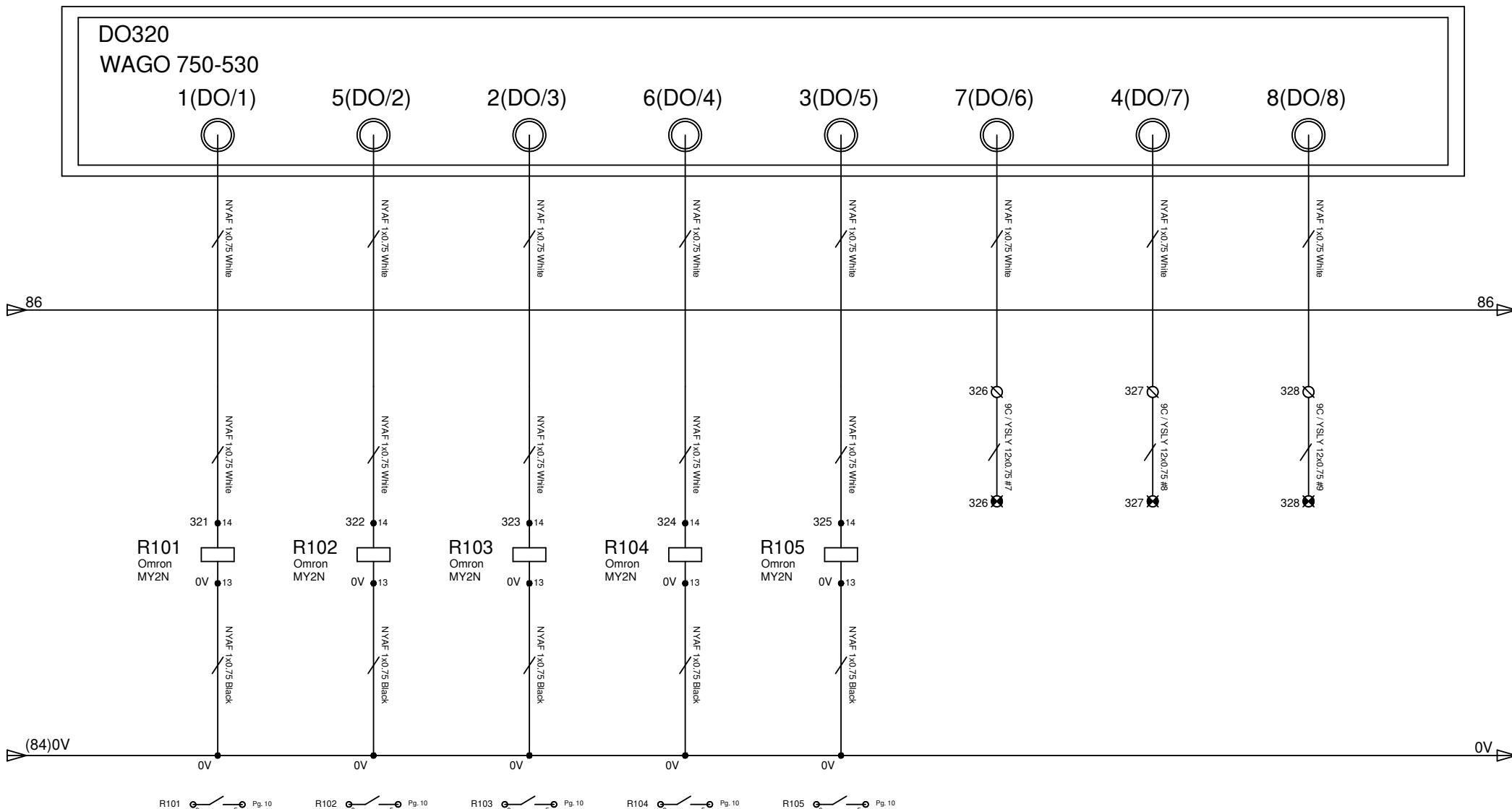
0	1	2	3	4	5	6	7	8	9
	Vib 1 Cement Silo, Run	Vib 2 Cement Silo, Run	Rot Cement Silo, Run	Rot Cement Weigher, Run	Srew Cement Weigher, Run	Vib Cement Weigher, Run	Vibrator Mixer 1, Run	Vibrator Mixer 2, Run	



Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018					F	31	0
1		Checked by						
2								
3		Approved by						
4				Title	Digital Output Module, Run Command			

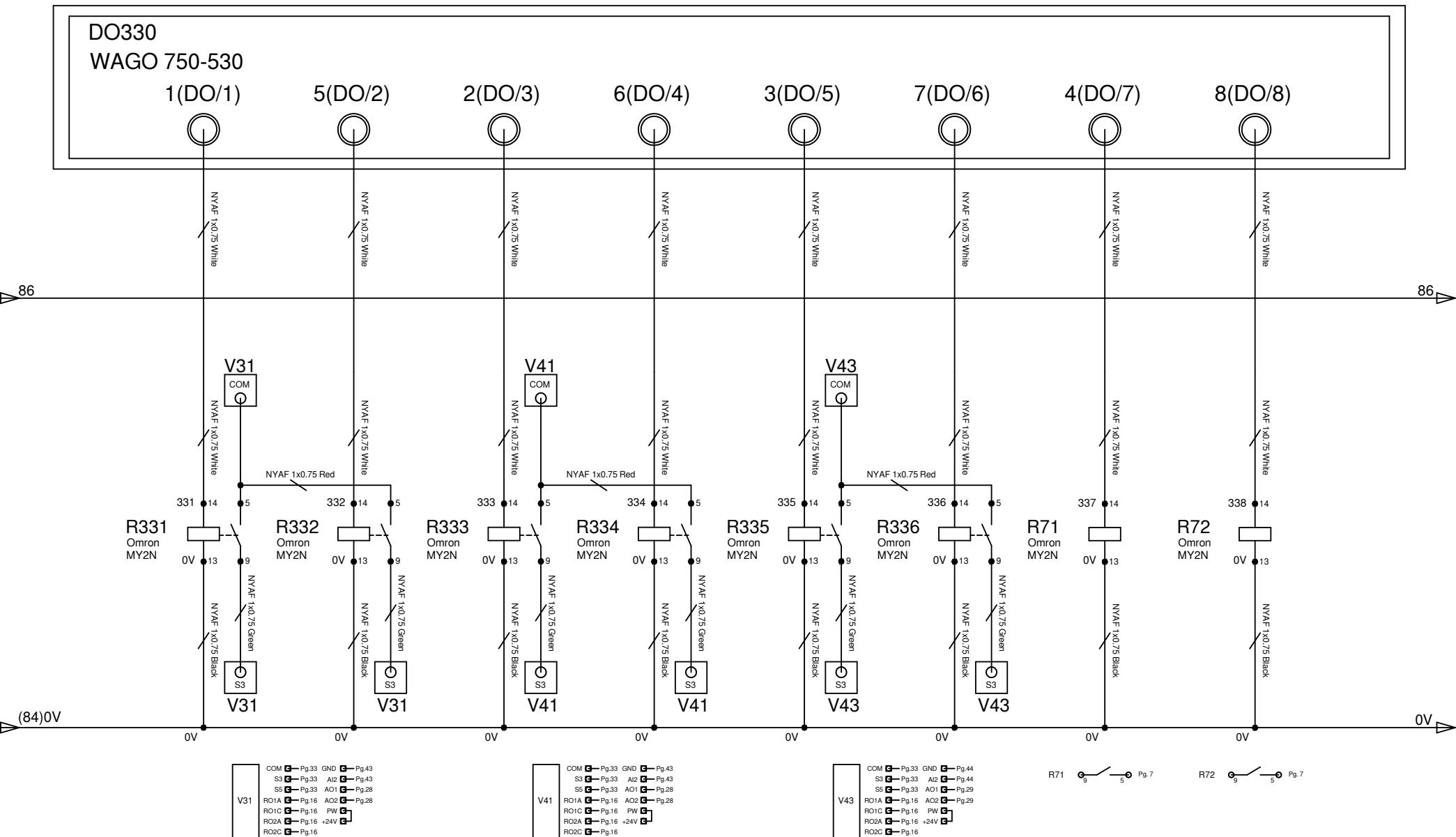
PT SLCI

0	1	2	3	4	5	6	7	8	9
	Lime & Sand Conveyor, Run	Lime Screw, Run	Lime Vibrator, Run	Lime Crane, Enable	Sand Vibrator, Run	DO Spare 1, Mixer	DO Spare 2, Mixer	DO Spare 3, Mixer	



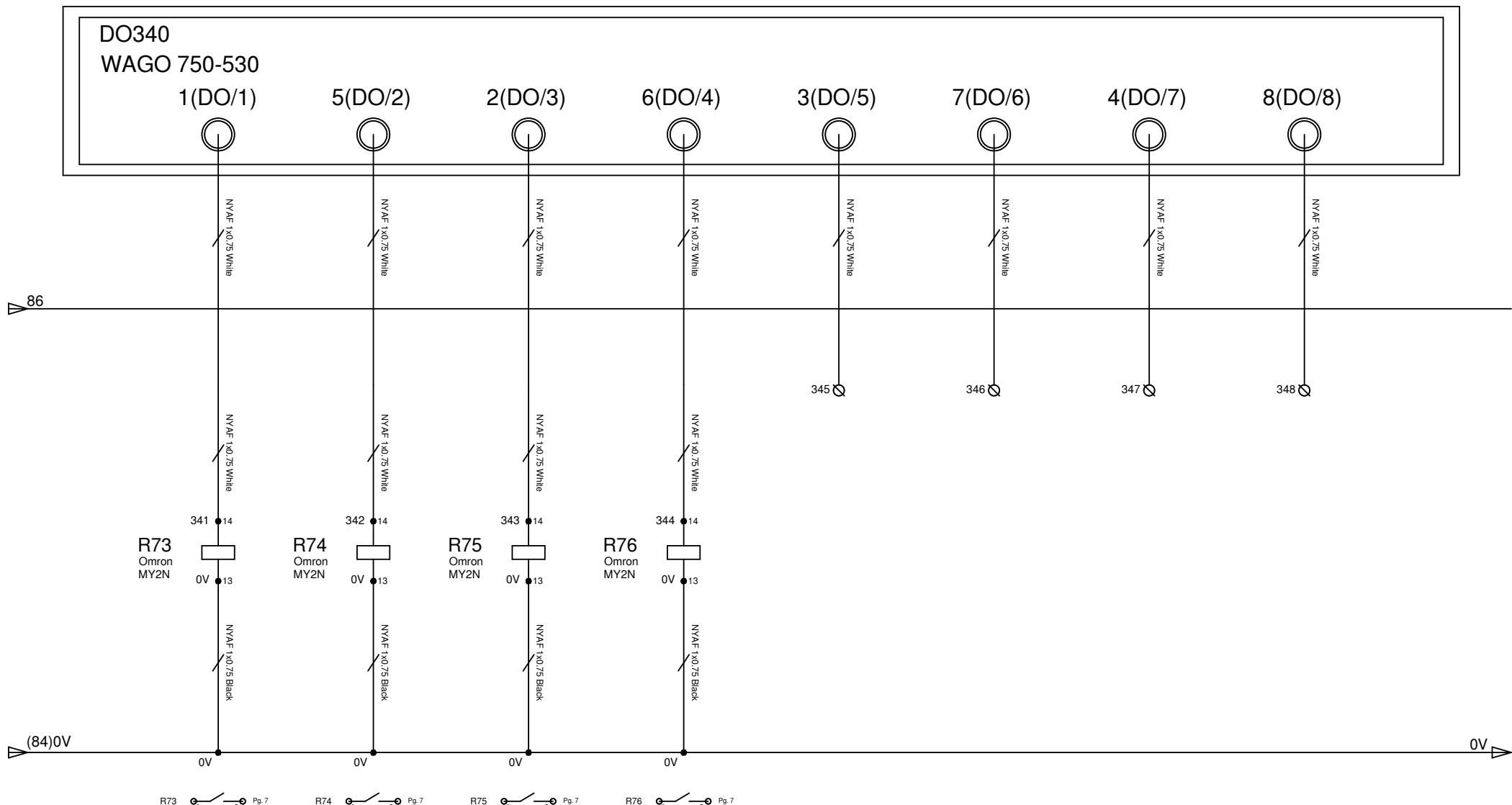
Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	32	0
1		Checked by					
2		Approved by					
3			Title	Digital Output Module, Running Command			
4							

0	1	2	3	4	5	6	7	8	9
	Run, Screw Cement	Reset, Screw Cement	Run, Lime&Sand Conv	Reset, Lime&Sand Conv	Run, Screw Lime	Reset, Screw Lime	Lighting 1A	Lighting 1B	



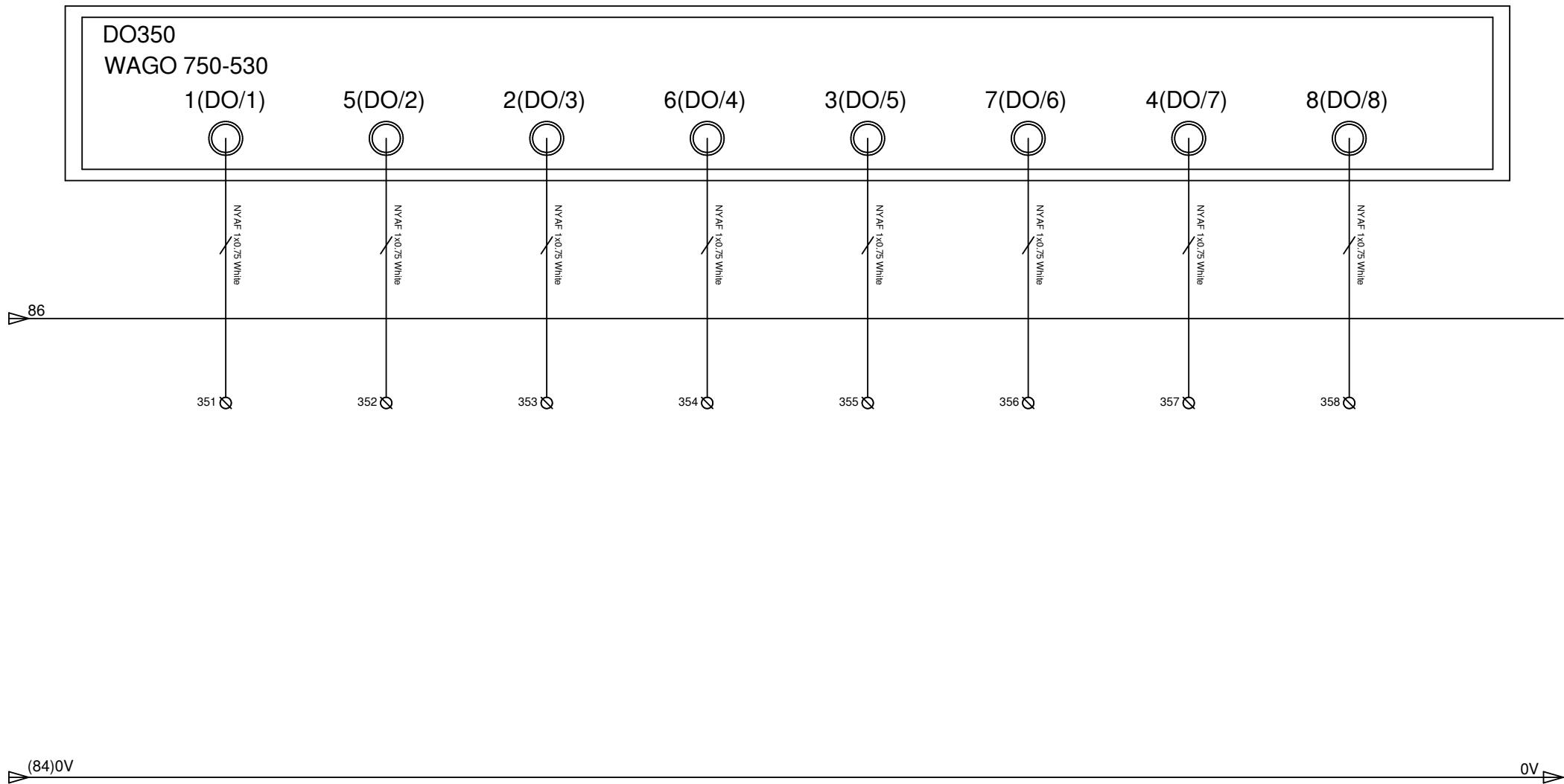
Rev	Date	Drawn by	Akbar Kurnia P	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018							
1			Checked by					
2								
3			Approved by					
4				Title	Digital Output Module	F	33	0

0	1	2	3	4	5	6	7	8	9
	Lighting 2A	Lighting 2B	Lighting 3	Lighting 4	DO Spare 1, Main Panel	DO Spare 2, Main Panel	DO Spare 3, Main Panel	DO Spare 4, Main Panel	



Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	34	0
1		Checked by					
2							
3		Approved by					
4		Title	Digital Output Module				

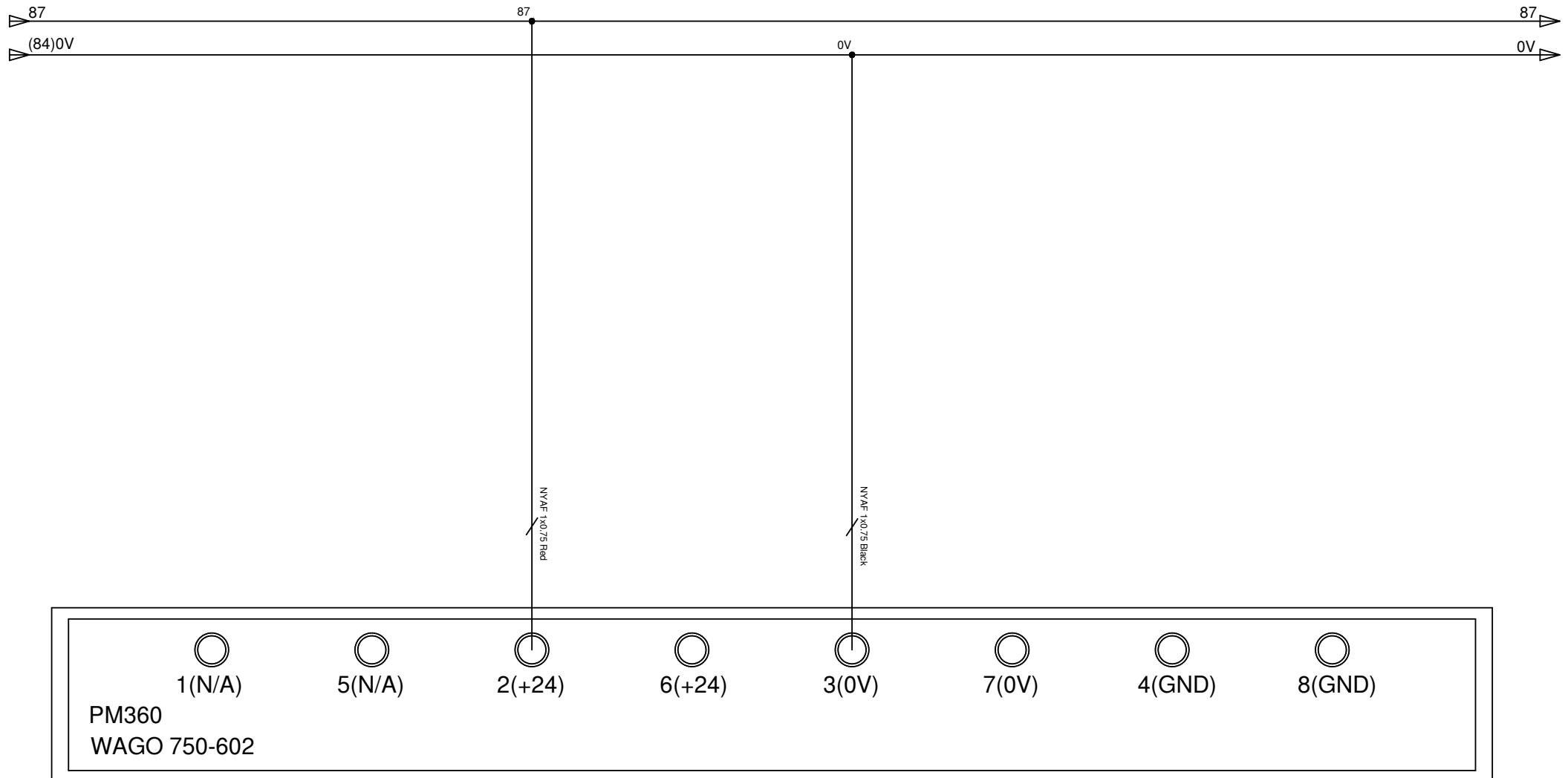
0	1	2	3	4	5	6	7	8	9
	DO Spare 5, Main Panel	DO Spare 6, Main Panel	DO Spare 7, Main Panel	DO Spare 8, Main Panel	DO Spare 9, Main Panel	DO Spare 10, Main Panel	DO Spare 11, Main Panel	DO Spare 12, Main Panel	



Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	35	0
1		Checked by					
2							
3		Approved by					
4			Title	Digital Output Module			

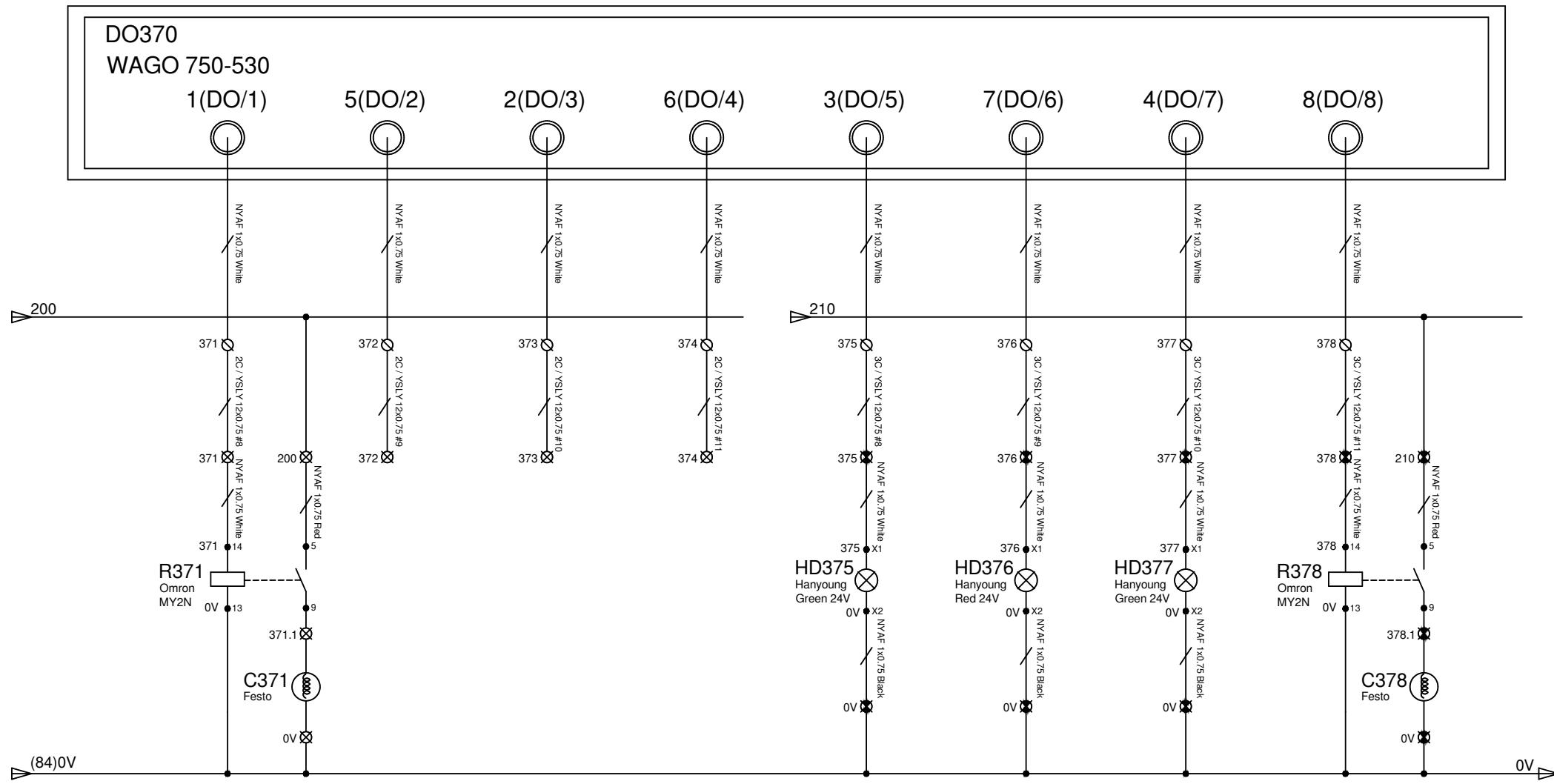
0	1	2	3	4	5	6	7	8	9
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External Output Power

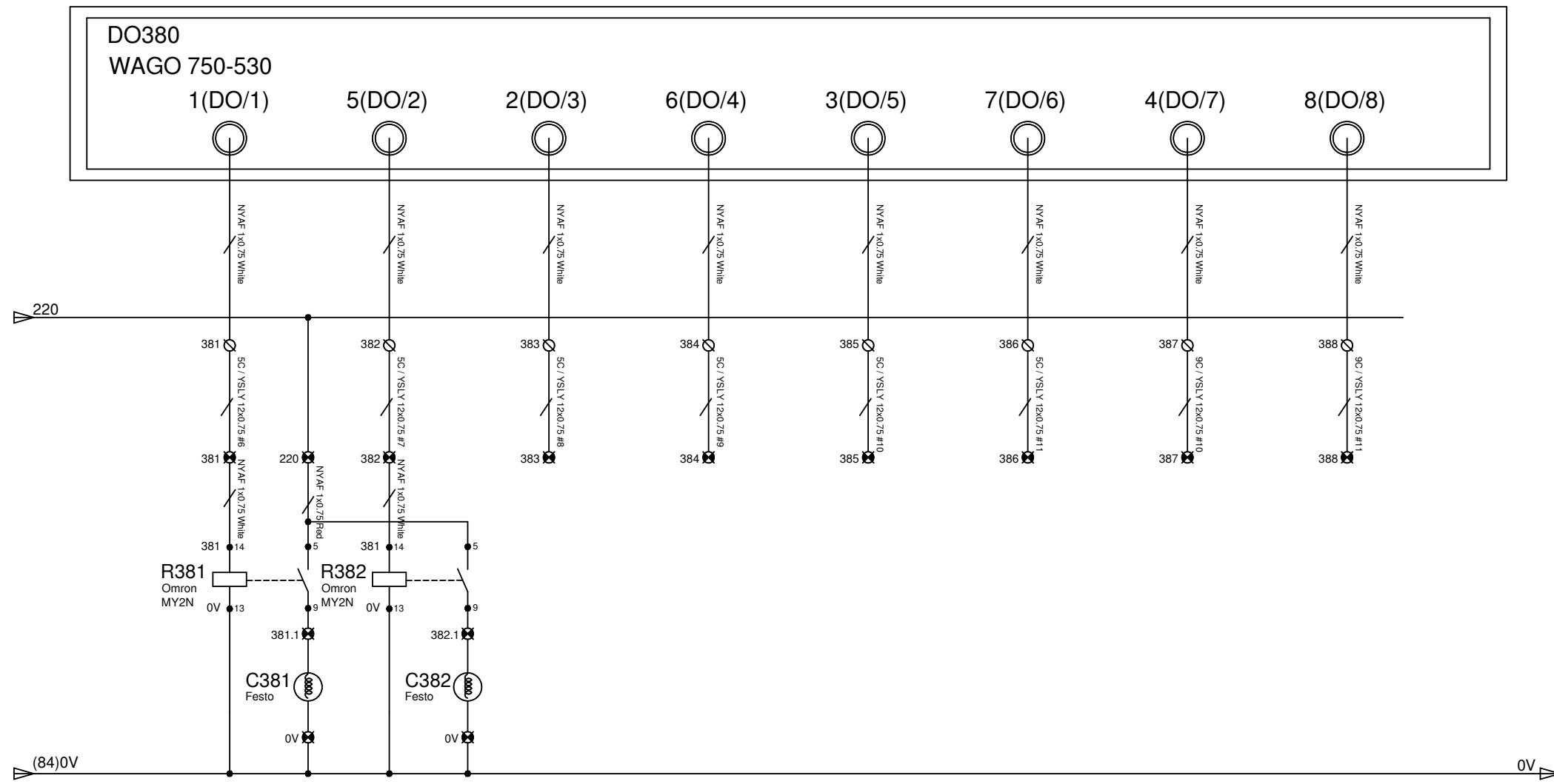


Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Title	Power Wiring	F	36
1		Checked by					
2							
3		Approved by					
4							

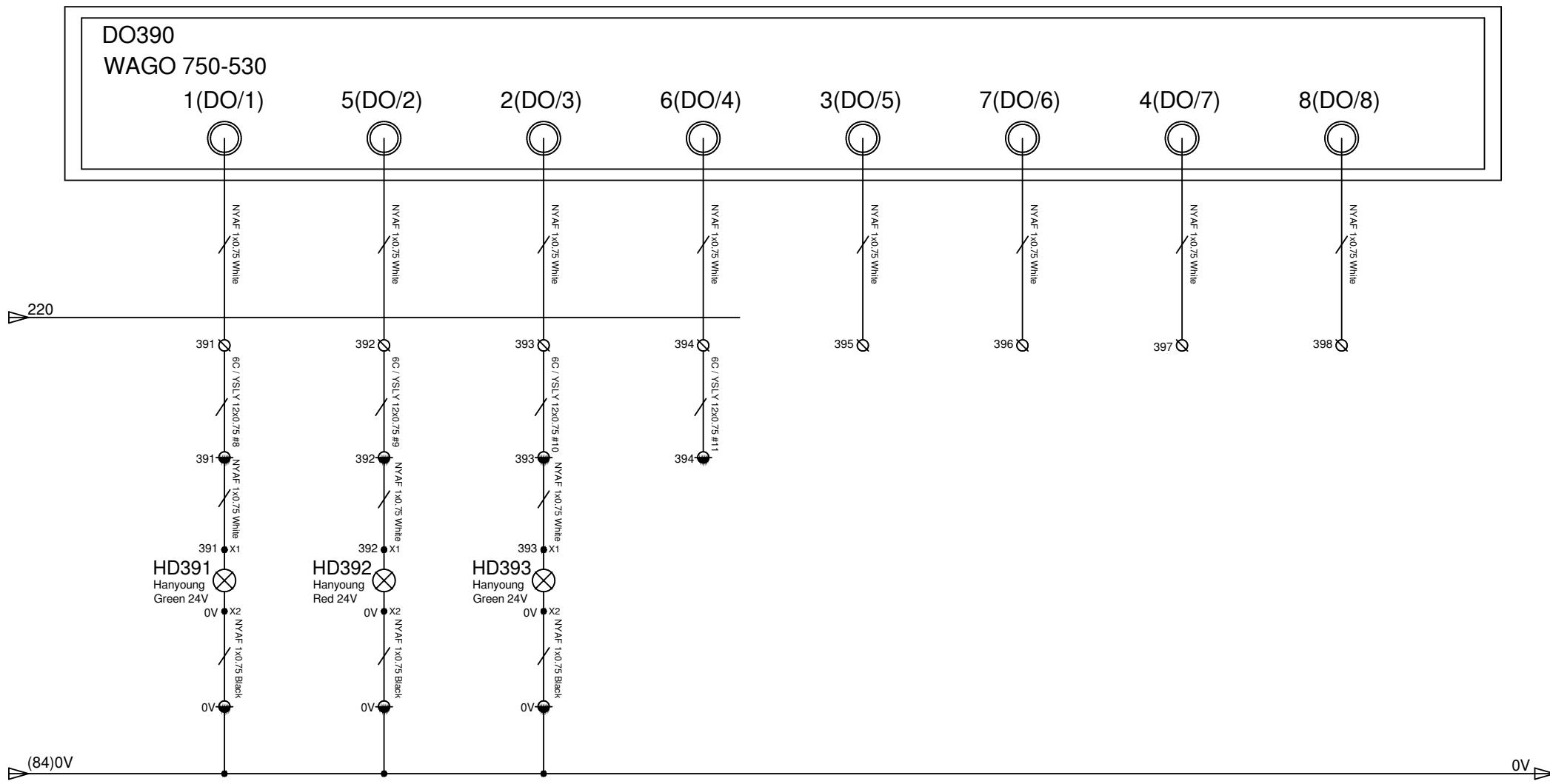
0	1	2	3	4	5	6	7	8	9
	Inlet Valve	Cement DO Spare	Cement DO Spare	Cement DO Spare	System Running	Lime, Request	Lime, Safe to Fill	Lime Valve	



0	1	2	3	4	5	6	7	8	9
Mixer Door 1	Mixer Door 2	DO Spare 4, Mixer	DO Spare 5, Mixer	DO Spare 6, Mixer	DO Spare 7, Mixer	DO Spare 8, Mixer	DO Spare 9, Mixer		

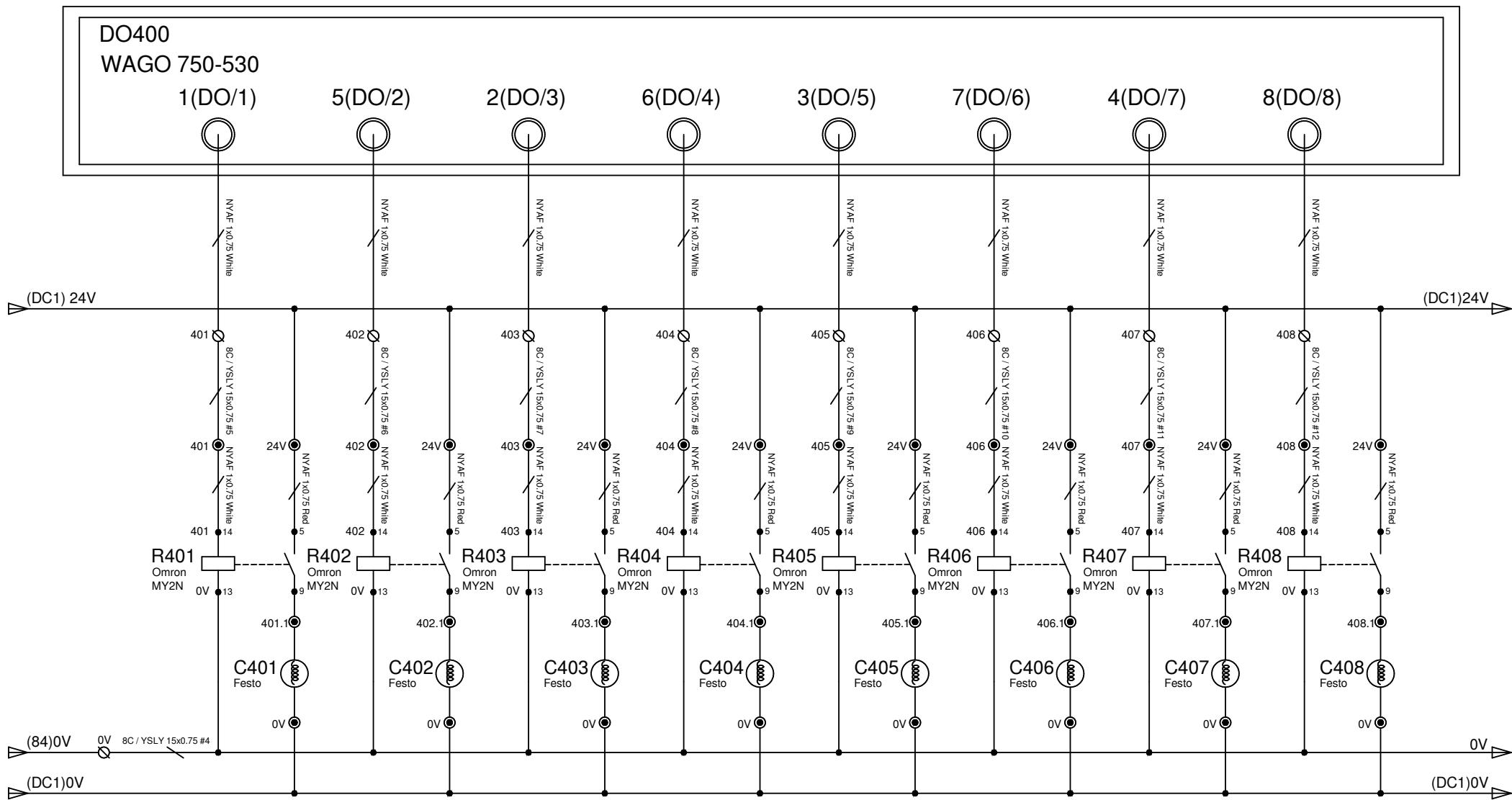


0	1	2	3	4	5	6	7	8	9
	System Running	Cleaning Process	Filling Process	DO Spare 1, Sand	DO Spare 13, Main Panel	DO Spare 14, Main Panel	DO Spare 15, Main Panel	DO Spare 16, Main Panel	



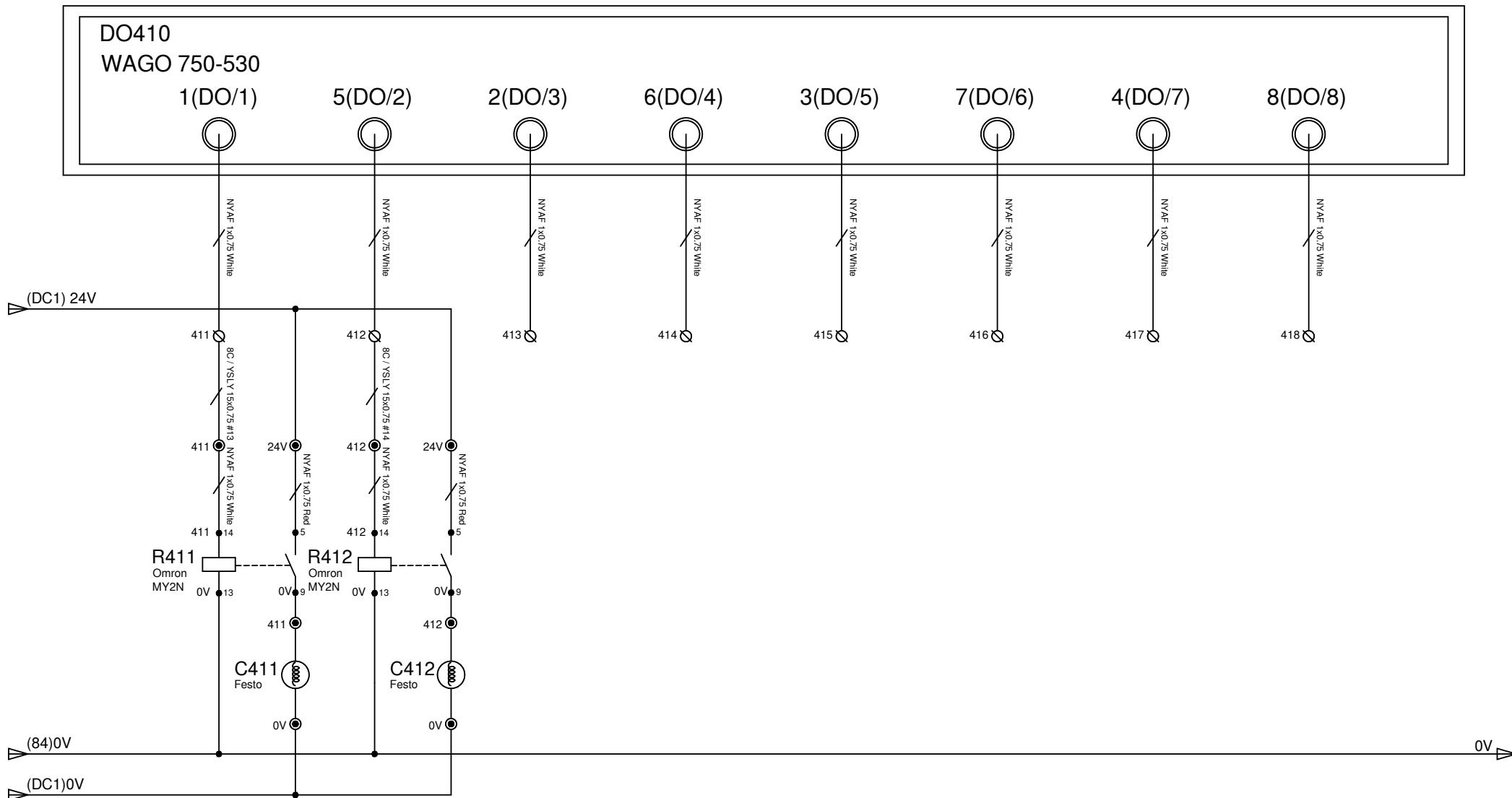
Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Mortar Machine	F	39	0
1		Checked by					
2		Approved by					
3			Title	Digital Output Module			
4							

0	1	2	3	4	5	6	7	8	9
	DC1 Pulse 1	DC1 Pulse 2	DC1 Pulse 3	DC1 Pulse 4	DC1 Pulse 5	DC1 Pulse 6	DC1 Pulse 7	DC1 Pulse 8	



Rev 0	Date 8 March 2018	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
1		Checked by							
2									
3		Approved by			Title	Digital Output Module	F	40	0

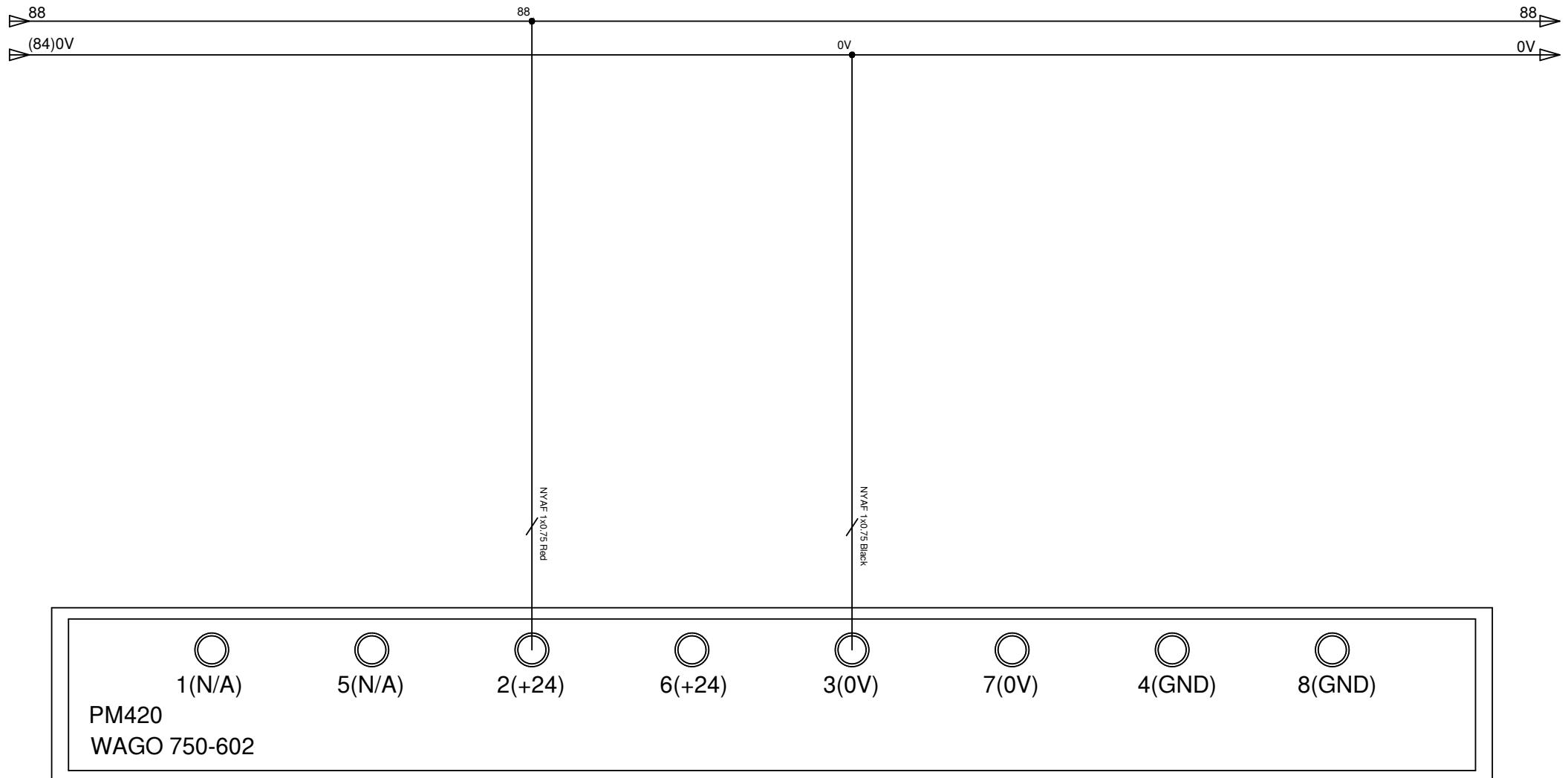
0	1	2	3	4	5	6	7	8	9
	DC1 Upper Valve	DC1 Lower Valve	DO Spare 17, Main Panel	DO Spare 18, Main Panel	DO Spare 19, Main Panel	DO Spare 20, Main Panel	DO Spare 21, Main Panel	DO Spare 22, Main Panel	



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018								
1					Checked by				
2					Approved by				
3					Title		Digital Output Module		
4								F	41
									0

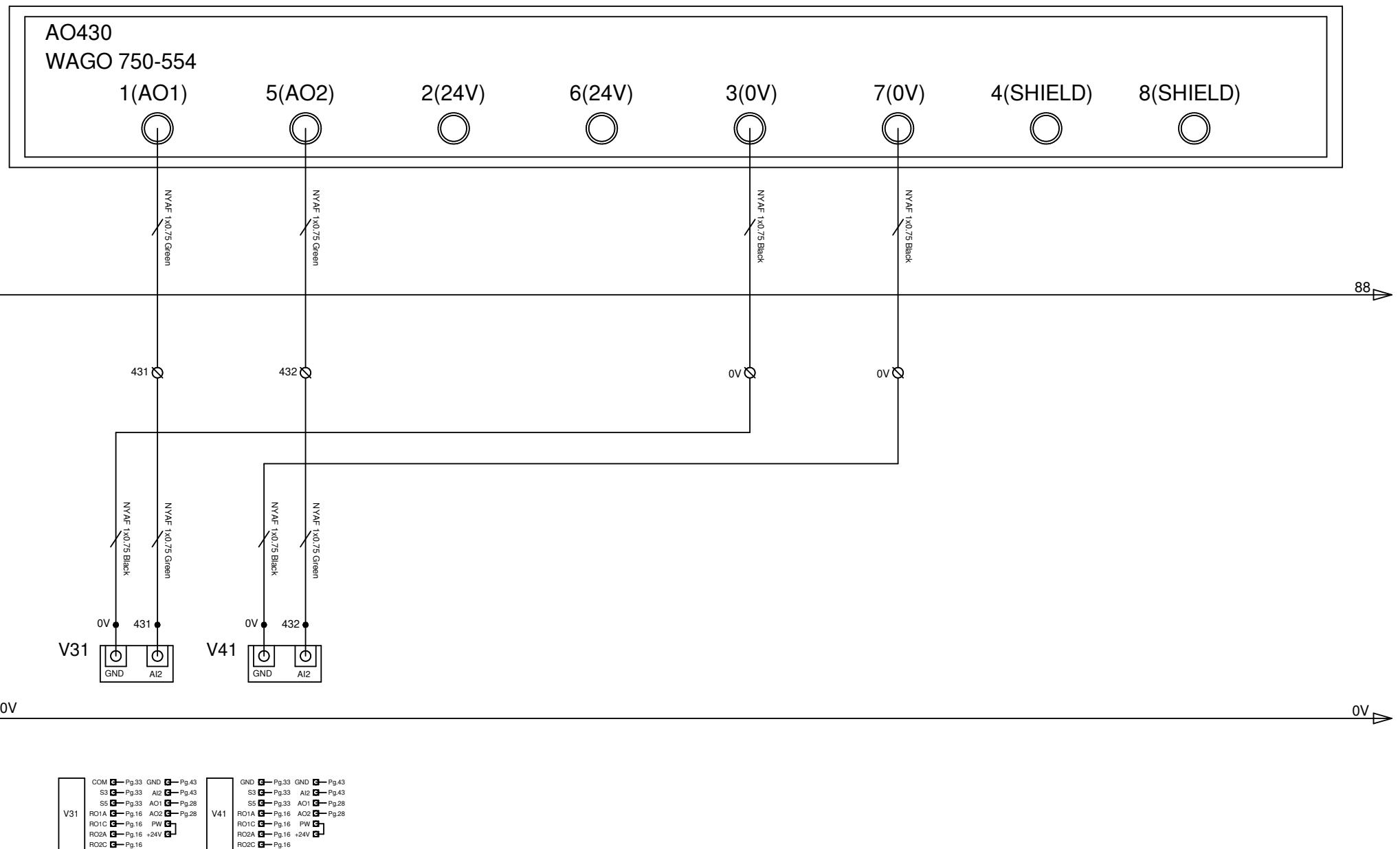
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Analog Output Power



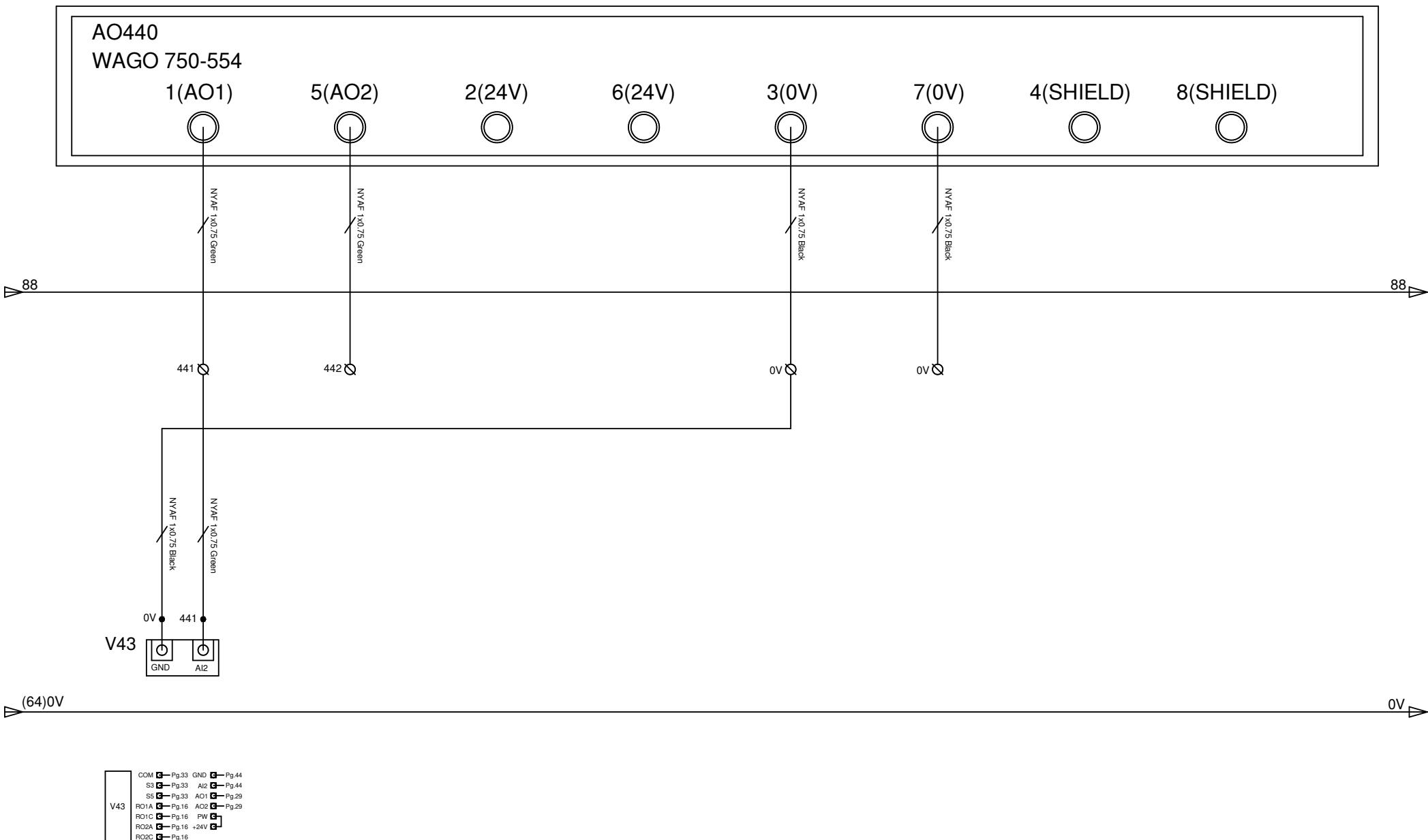
Rev	Date	Drawn by	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018	Akbar Kurnia P	PT SLCI	Title	F	42	0
1		Checked by					
2							
3		Approved by			Power Wiring		
4							

0	1	2	3	4	5	6	7	8	9
Speed, Screw Cement	Speed, Lime&Sand ConvY								



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018								
1		Checked by							
2									
3					Title	Analog Output Module			
4		Approved by					F	43	0

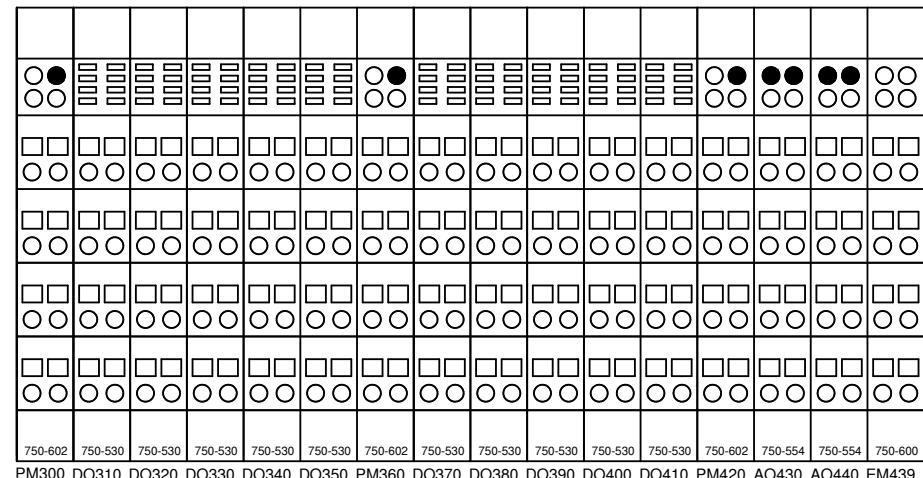
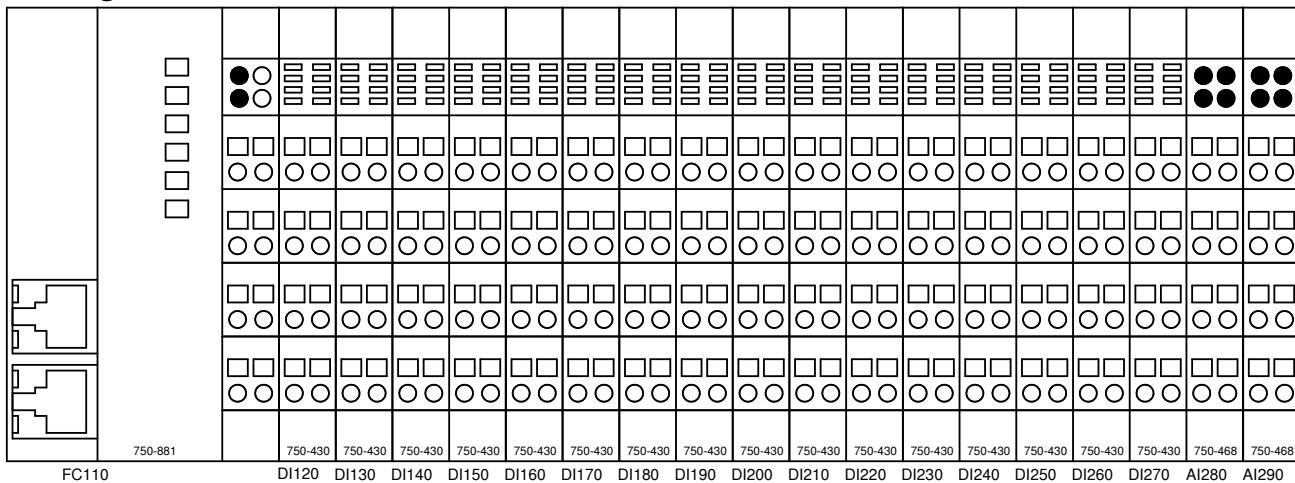
0	1	2	3	4	5	6	7	8	9
	Speed, Screw Lime	AO Spare 1, Main Panel							



V43

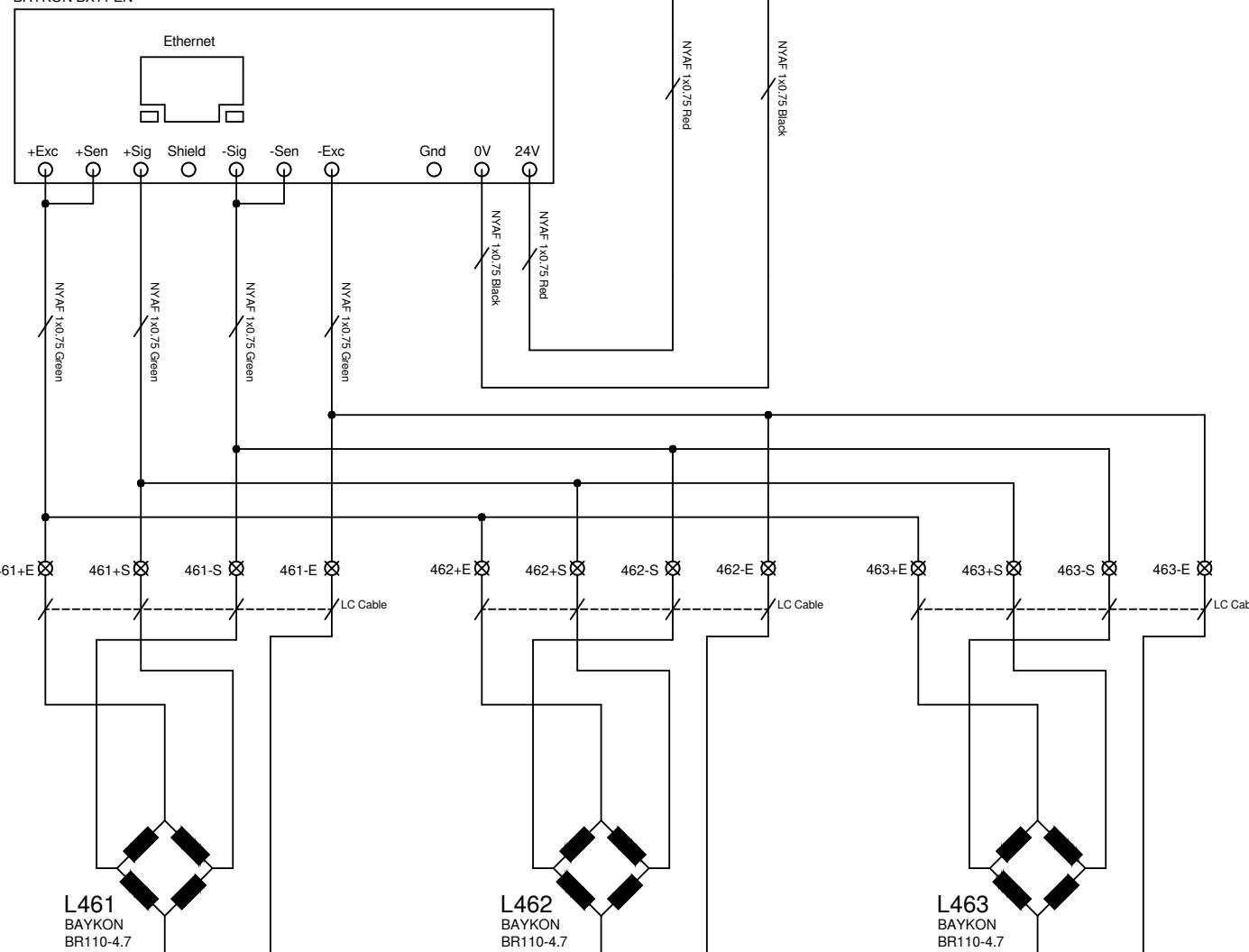
Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision					
0	8 March 2018													
1					Title	Analog Output Module	F	44	0					
2														
3														
4														

PLC450 @192.168.100.170



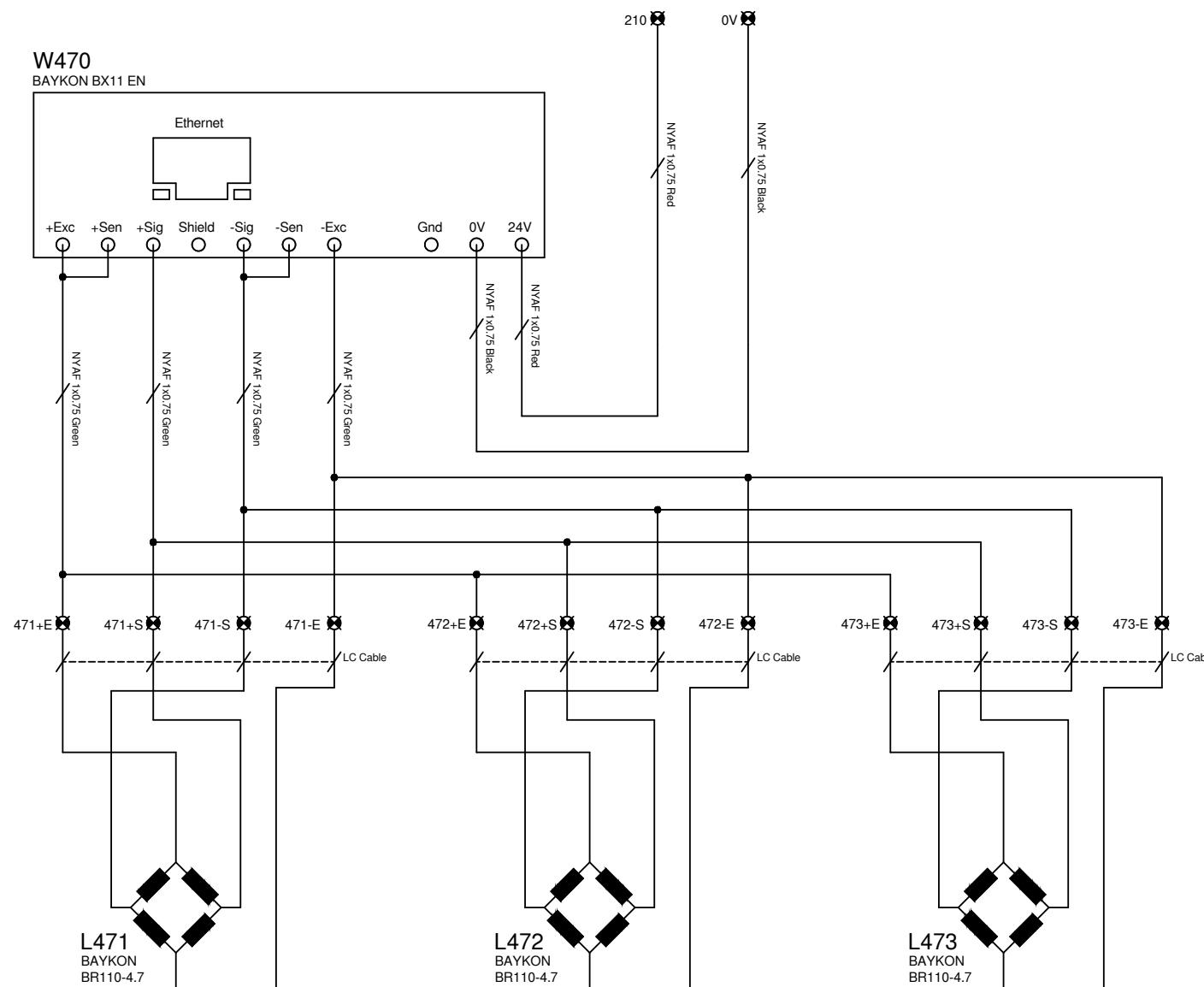
0 1 2 3 4 5 6 7 8 9

Weighing System of Cement

W460
BAYKON BX11 EN

Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number		
0	8 March 2018						Title	Cement Weighing System	Revision
1									
2									
3									
4									
F	46	0							

W470
BAYKON BX11 EN



Rev	Date	Drawn by	Akbar Kurnia P	PT SLCI	Area	Mortar Machine	Group Number	Page	Revision
0	8 March 2018						F	47	0
1									
2									
3									
4									