

Ferlin



www.ferlinplastics.com



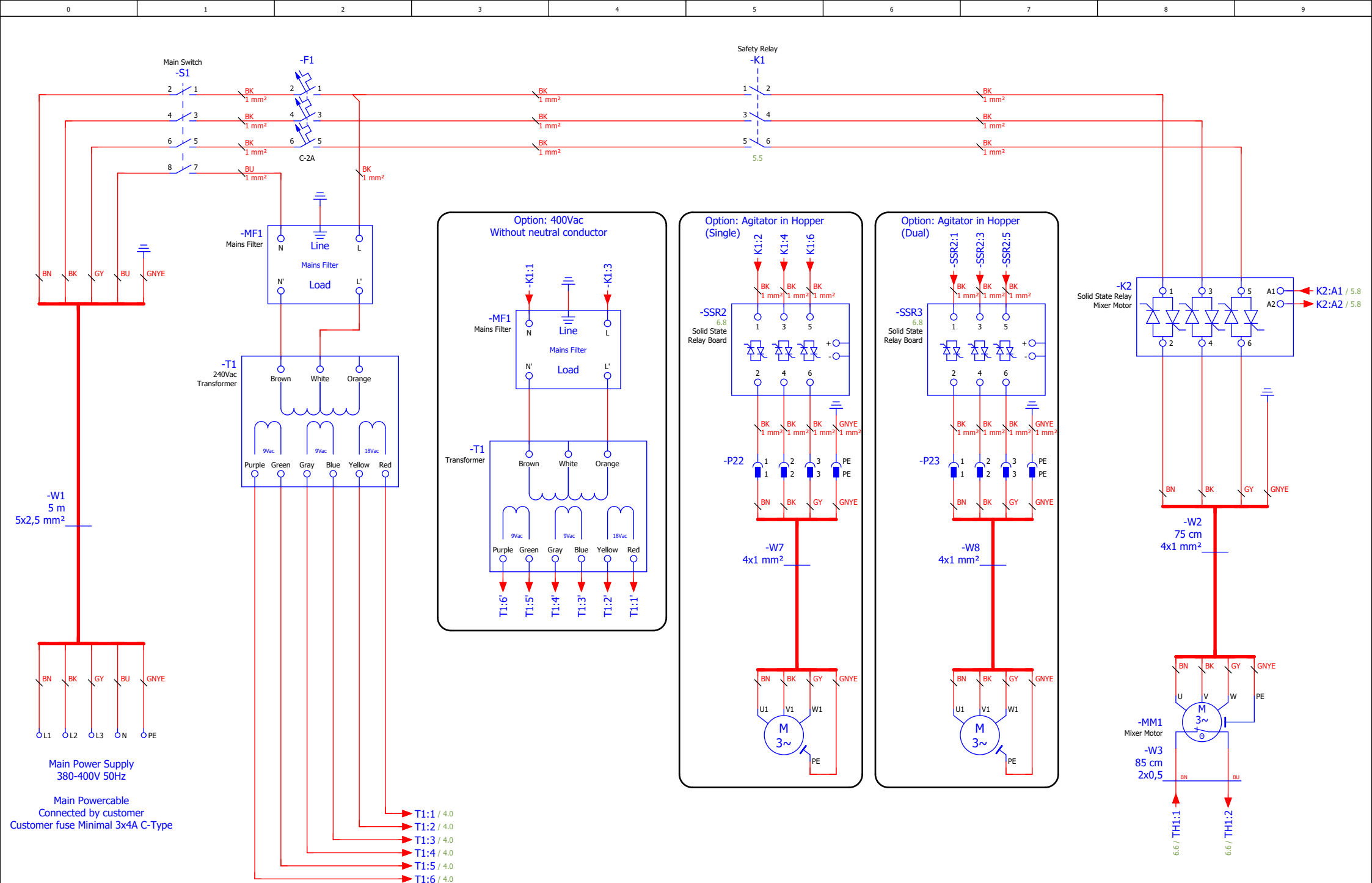
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Ferlin Gravimix		Colour Codes: BK = Black BN = Brown RD = Red OG = Orange YE = Yellow GN = Green BU = Blue VT = Violet GY = Gray WH = White PK = Pink TQ = Turquoise D.BU = Dark Blue GNYE = Green/Yellow	Component Designators*: C = Pneumatic Cilinder DR = Motor Driver F = Fuse H = Lamp K = Relay LS = Buzzer / Loudspeaker M = Motor P = Plug / Connector PCB = Printed Circuit Board PS = Power Supply R = Resistor S = Switch / Sensor V = Valve W = Cable/Wire U = Device X = Terminal Block *Not all designators may be used.	
FGB 5 - 1-6 Components				
Voltage: 400V Frequency: 50 Hz				Common Colours: Black = Phase 100-240Vac Blue = Neutral Green/Yellow = Ground Dark Blue = 24Vdc White = 0Vdc Orange = Input Green = Output Red = Alarm Yellow = Switched 0Vdc All wires are 0,5mm² unless specified otherwise
Created on	17-7-2024			
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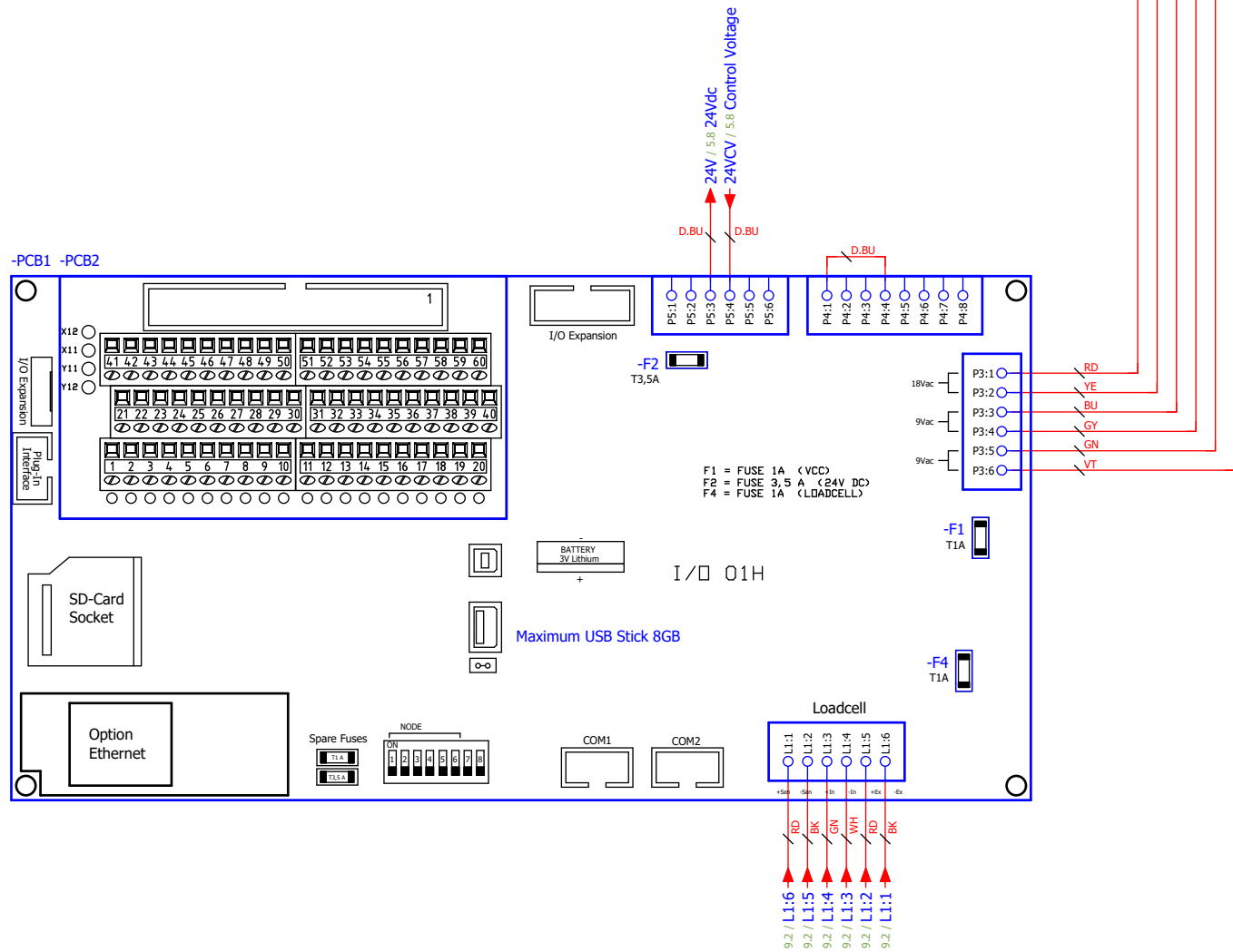
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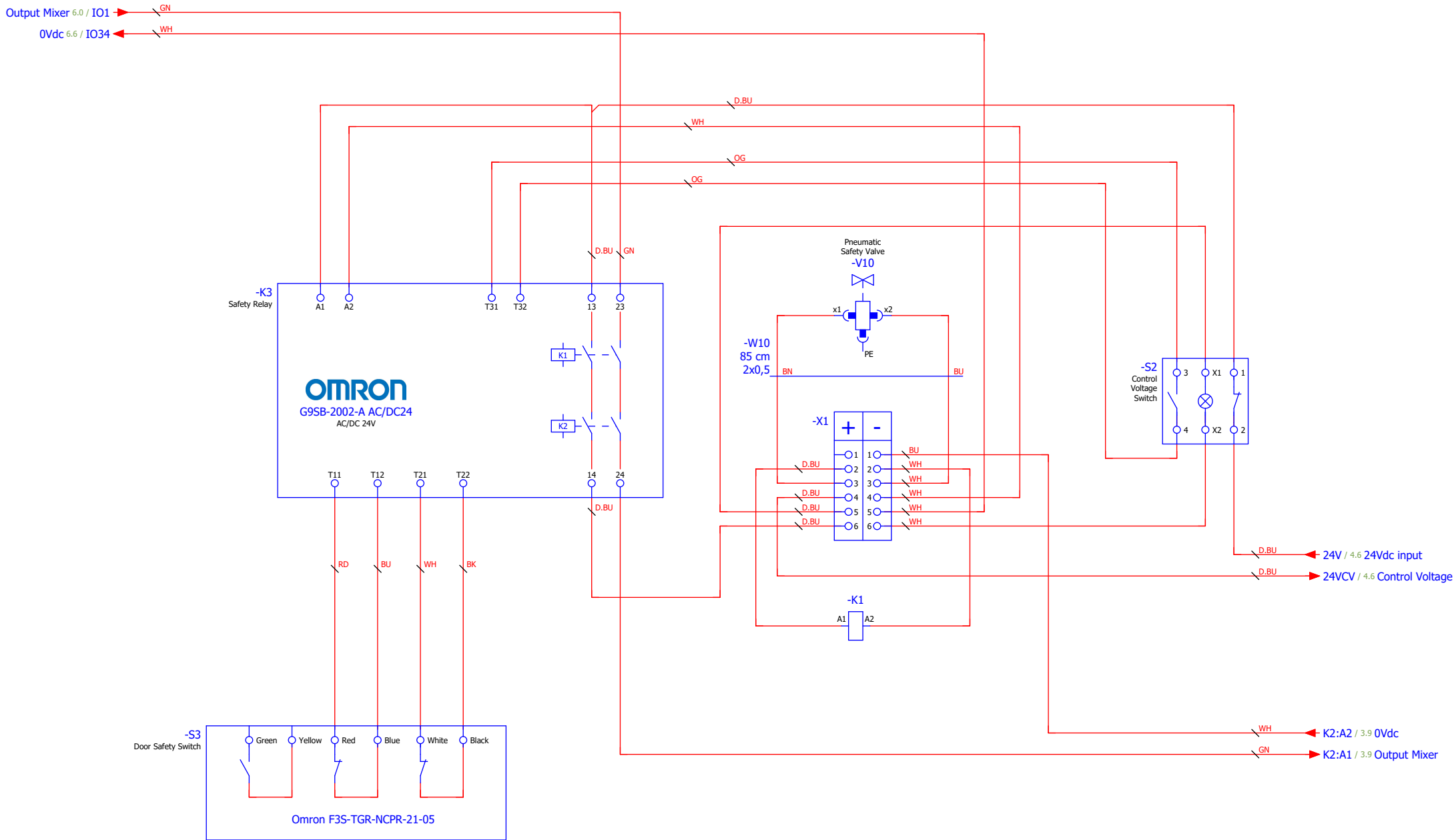
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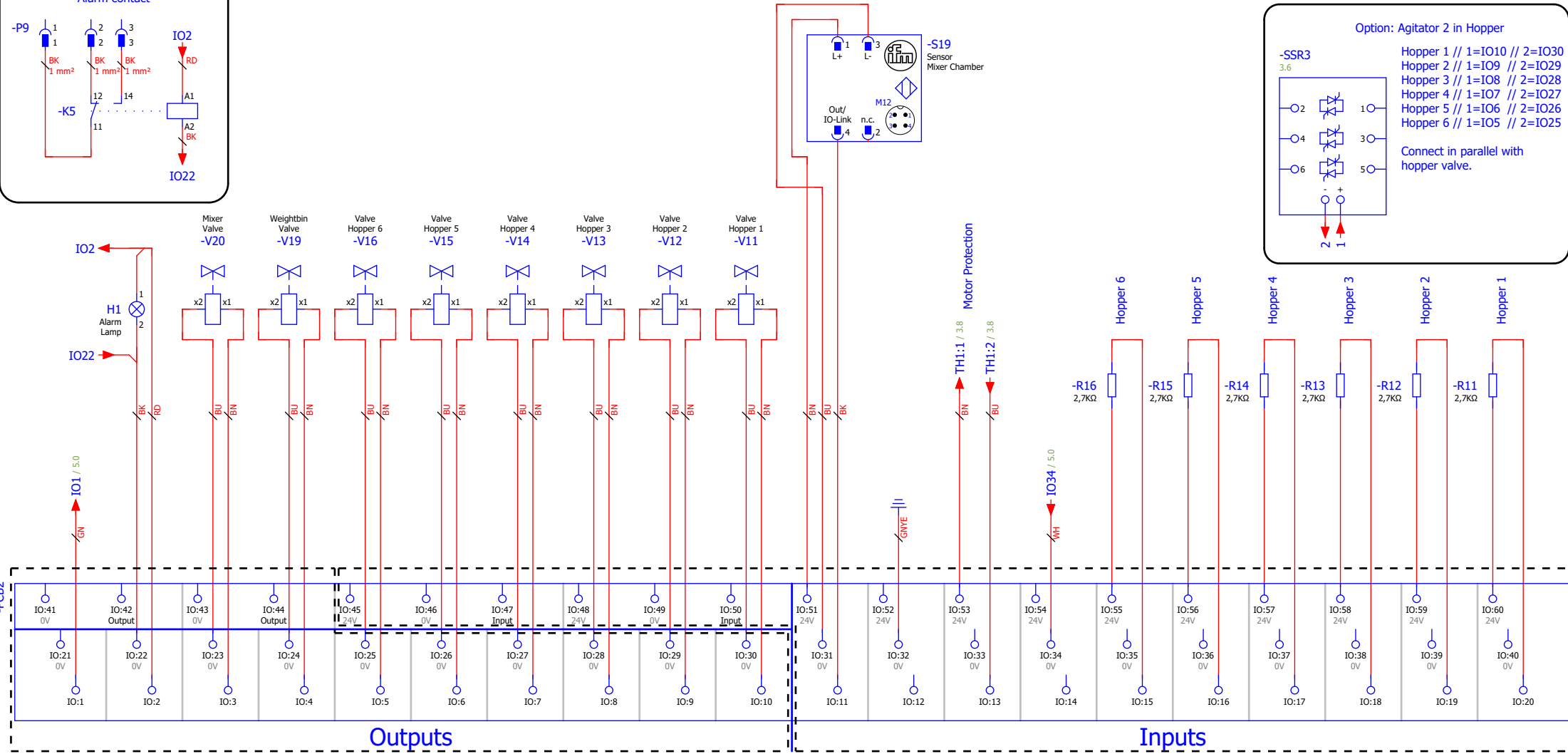
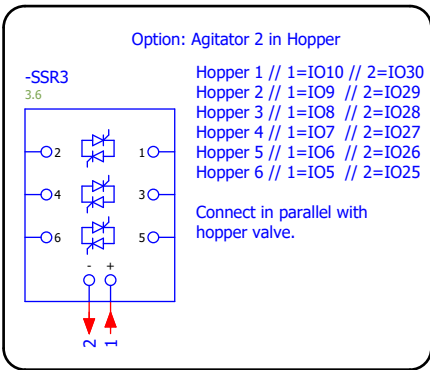
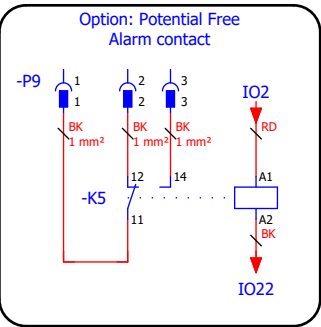
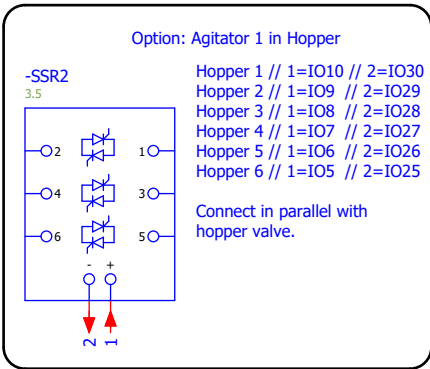
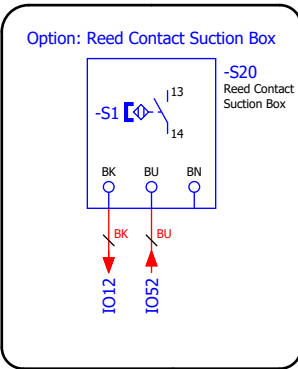
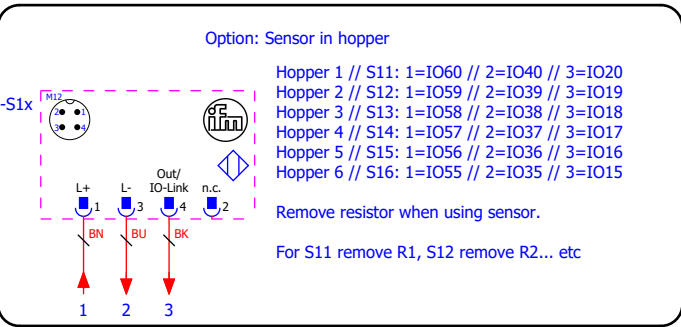
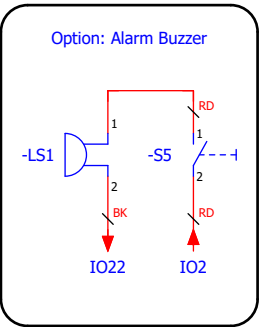
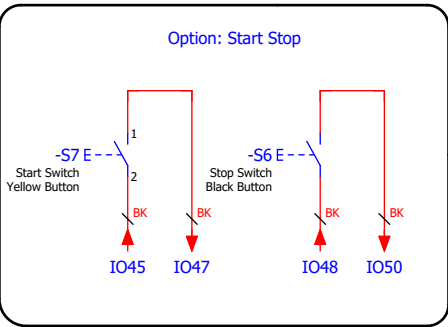
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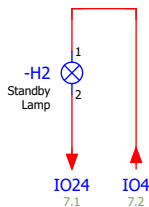
3.2 / T1:1
3.2 / T1:2
3.2 / T1:3
3.2 / T1:4
3.2 / T1:5
3.2 / T1:6



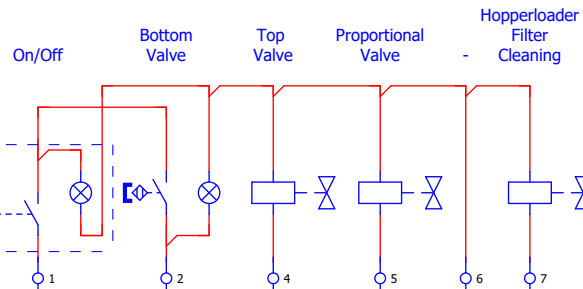




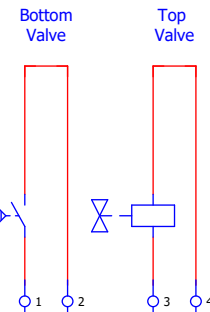
Option: Standby Lamp



Ferlin Hopperloader VC2xx & VC3xx & VC5xx

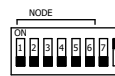


Ferlin Hopperloader VC1xx



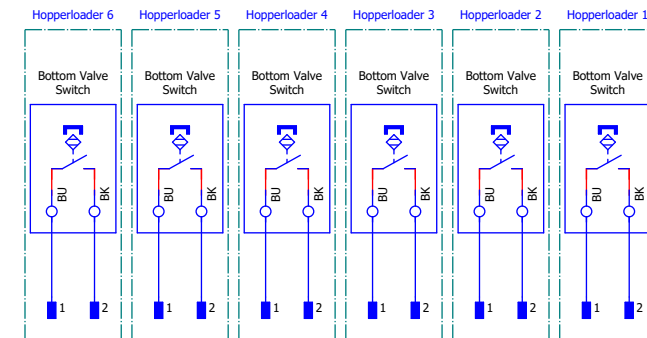
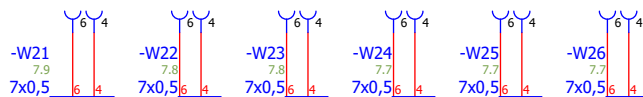
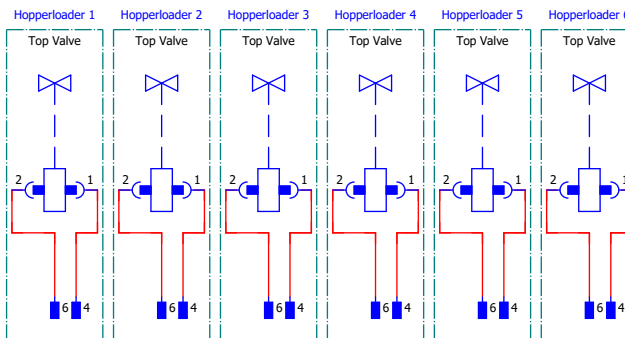
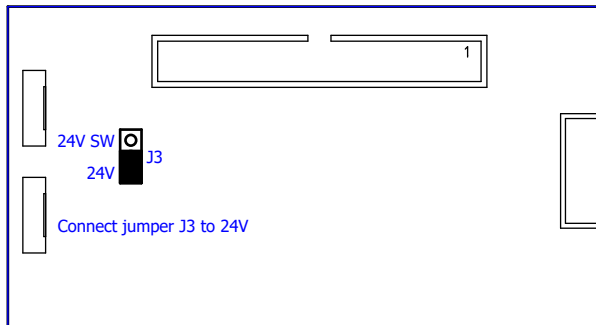
Current electrical diagram
Is made for connecting VC2xx & VC3xx & VC5xx

When you want to connect VC1xx, do the following:
Connector 1 -> 1
Connector 2 -> 2
Connector 4 -> 3
Connector 6 -> 4

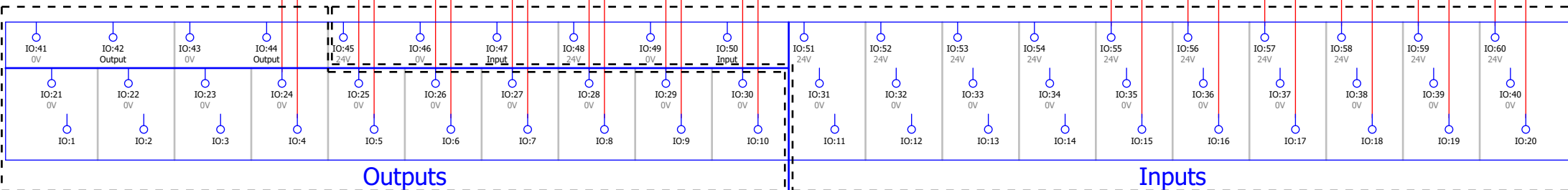


For hopperloader function,
Turn switch 8 ON (-PCB1).
Sensors for stock silo are disabled

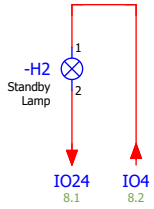
-PCB5



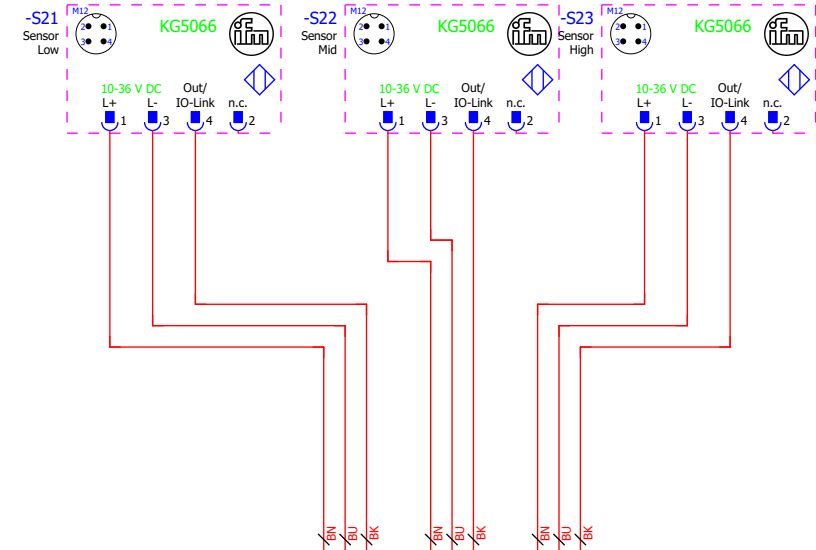
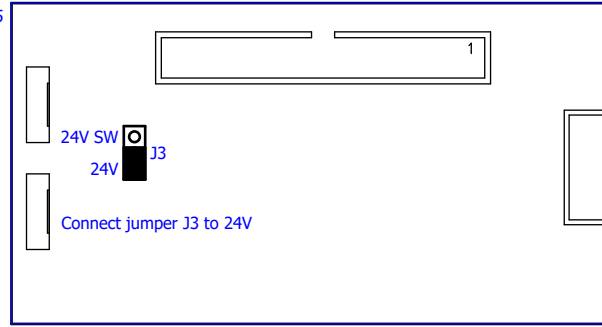
IO24 / 7.0
IO4 / 7.0



Option: Standby Lamp



-PCB5



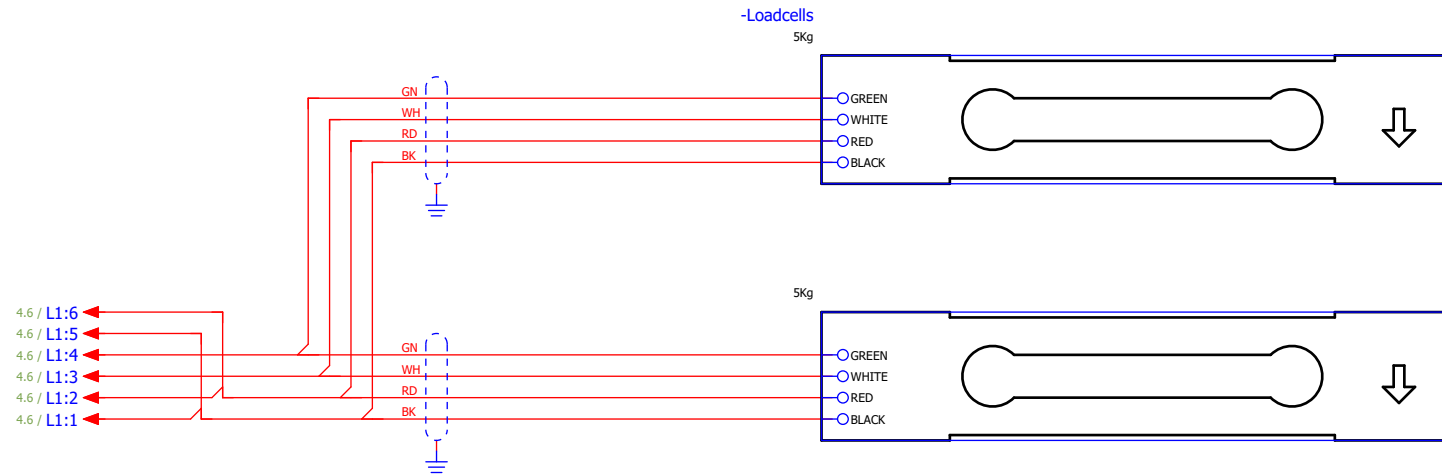
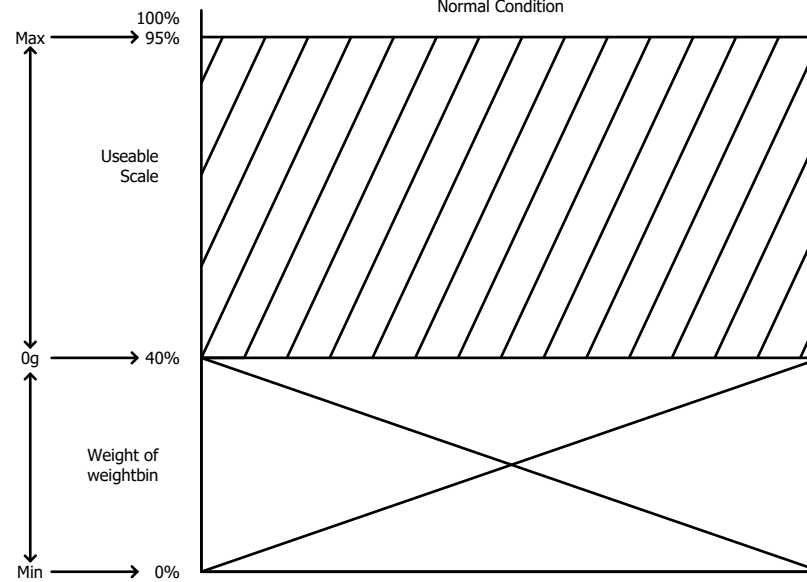
IO24 / 8.0
IO4 / 8.0

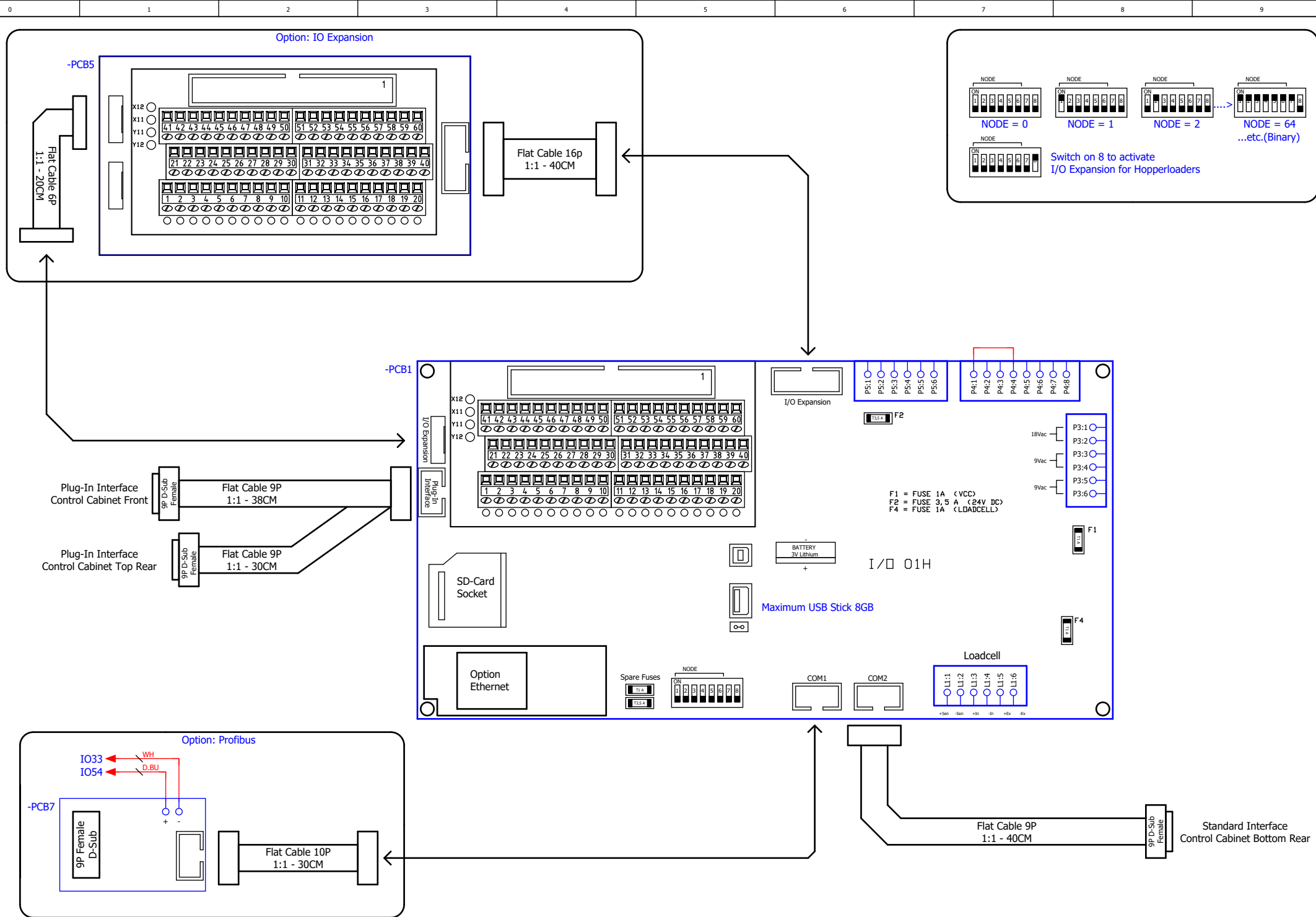
IO24 / 8.0
IO4 / 8.0

Outputs

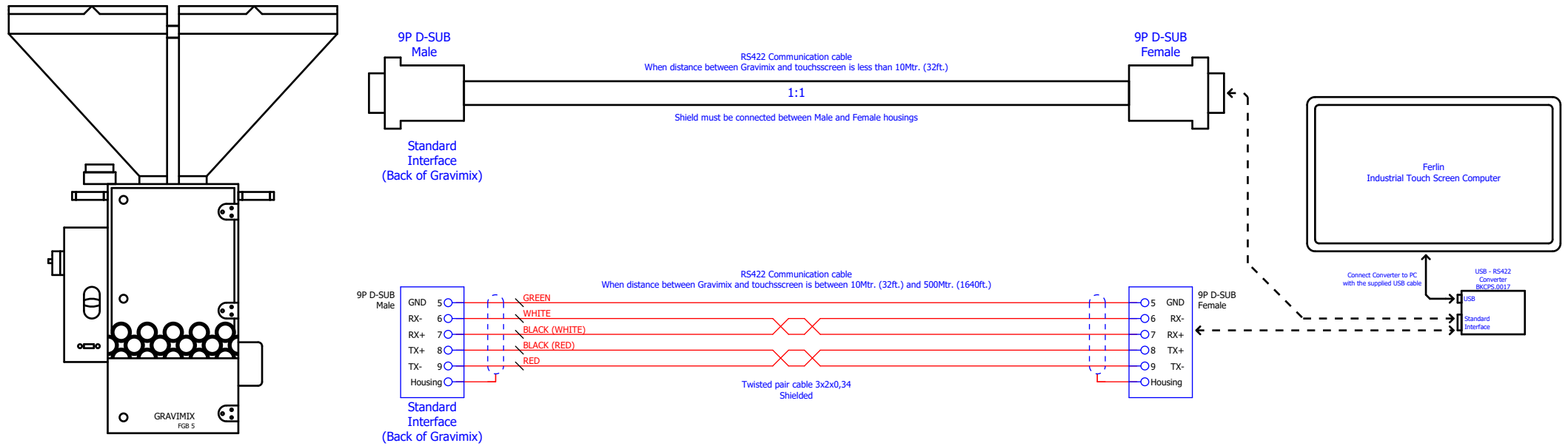
Inputs

Loadcell Scale

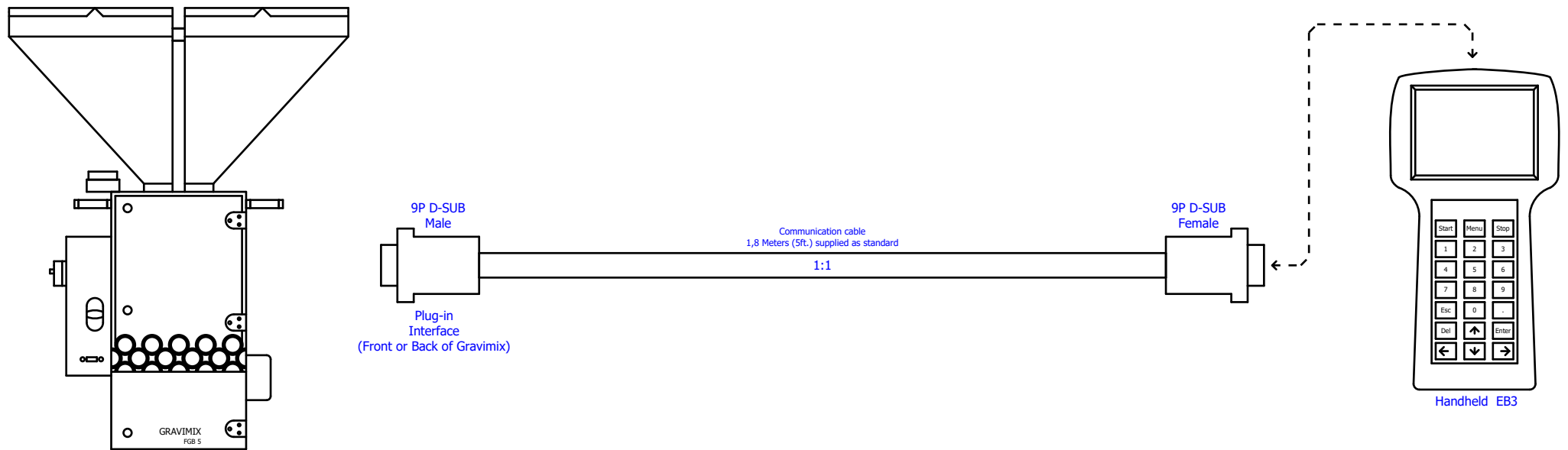




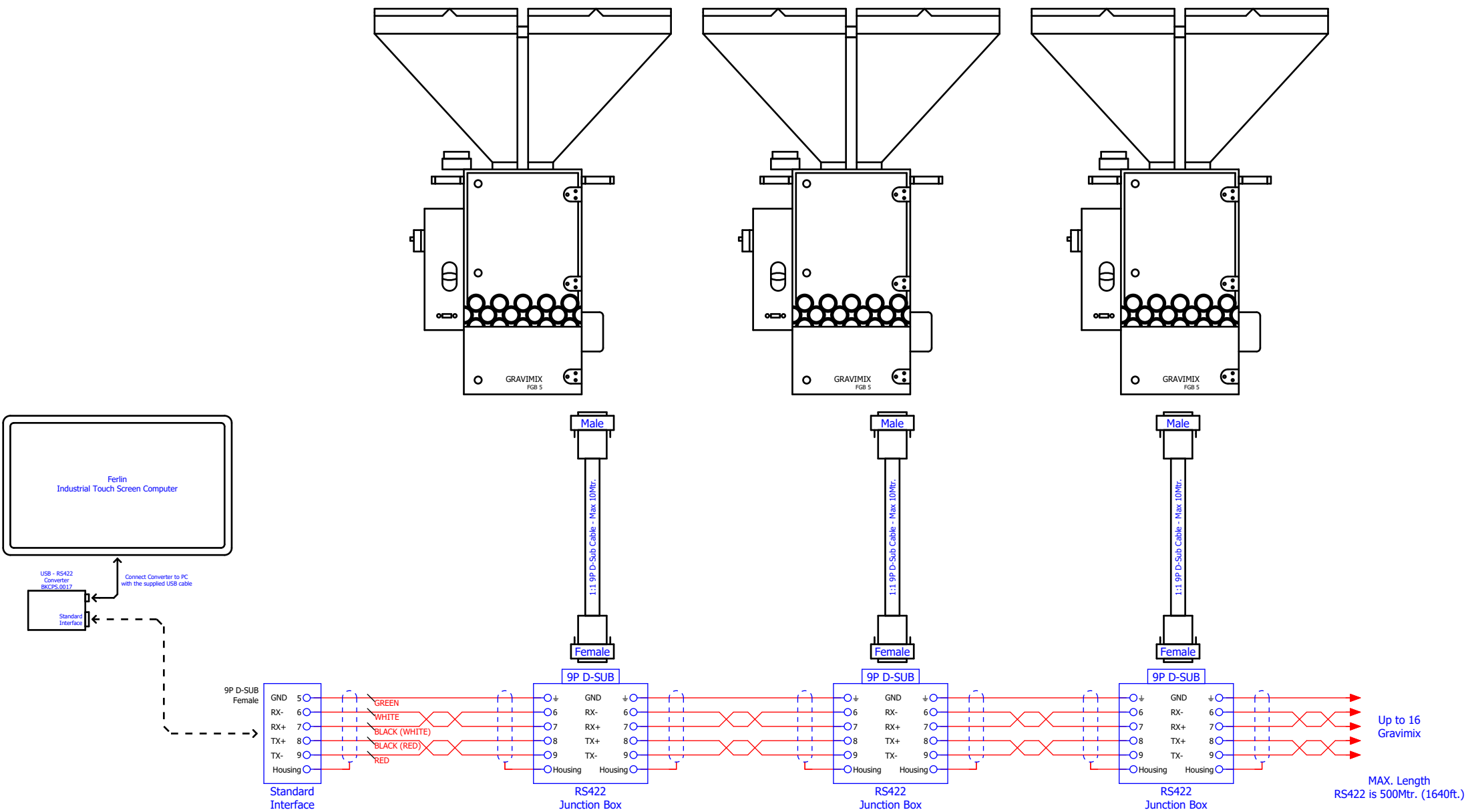
Standard Interface - Single Gravimix



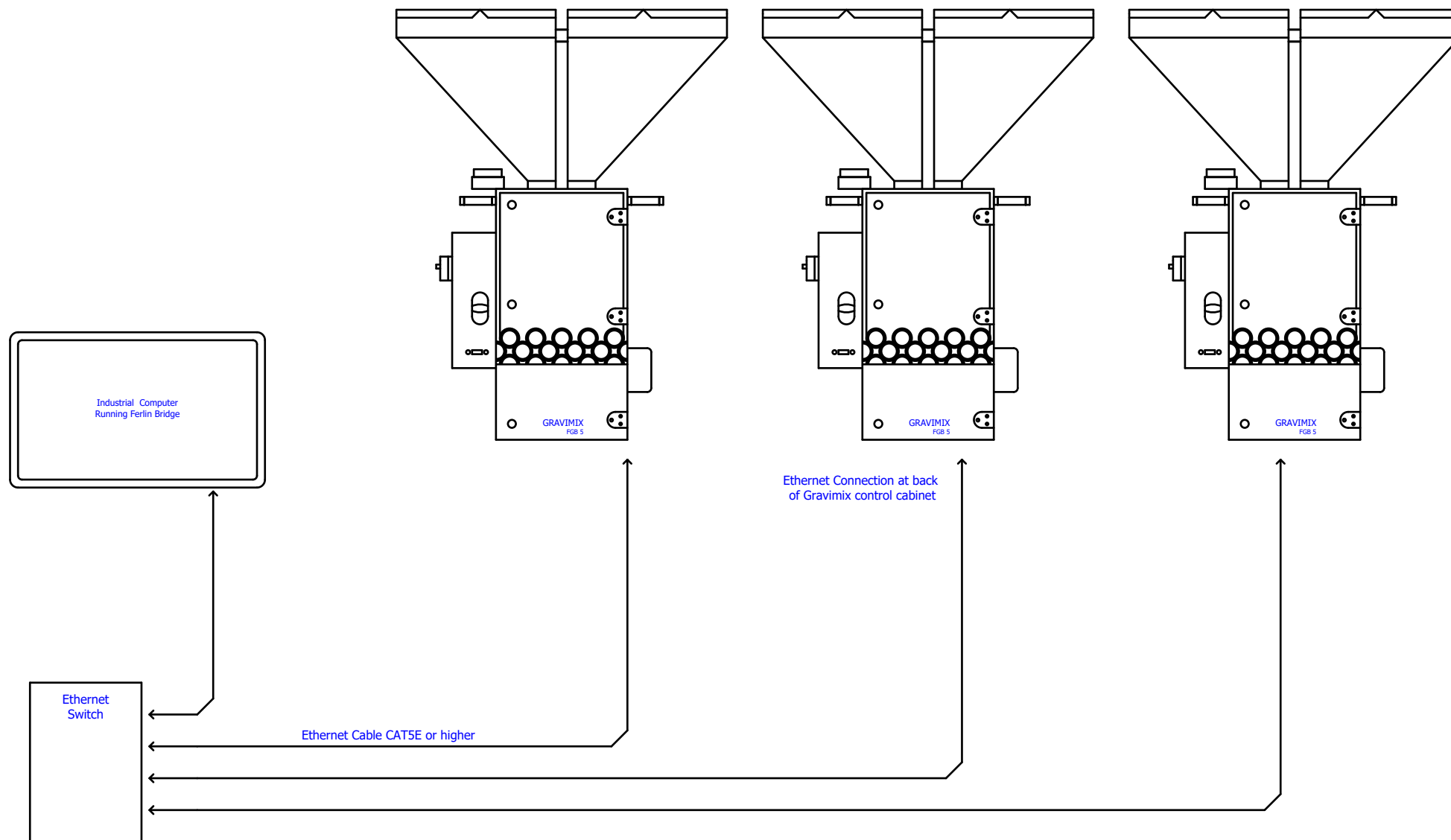
Plug-In Interface - Handheld Controller



Standard Interface - Multiple Gravimix



Ethernet Connection - Ferlin Bridge



Summarized parts list

Device Tag	Quantity	Description	Order Code
F1	1	Miniature circuit breaker (MCB), 2 A, 3p, characteristic: C	01E31.88861
H1	1	Low Profile Xenon Beacon, Amber	01E40.80200
K1	1	Low voltage switchgear, Mini motor contactors, J7KNA	01E31.61213
K2	1	3 Phase solid state relay	01E43.20KKE
K3	1	Safety Relay Unit	01E34.G9SB2
Loadcells	1	FGB 5 Loadcell set complete (2012 and later)	AGMWES.0009
MF1	1	Mains Filter, dual stage	01E94.57105
MM1	1	FGB 5 Mixer motor complete (2012 and later)	AGMMES.0007
PCB1	1	Ferlin Gravimix main controller 01H	01E30.07037
PCB1-F1;PCB1-F4	2	SMD Fuse, 1AT	HA.00422
PCB1-F2	1	SMD Fuse, 3,5AT	HA.00423
PCB2	1	Gravimix I/O Board	01E30.10001
R11...R16	6	Carbon resistor, 2,7K, 0,25W, 5%	HA.00005
S1	1	Main disconnect switch	01E31.72252
S2	1	Double actuator pushbutton, +indicator light, green I/white/red 0	01E31.60024
S2	1	Adapter for command devices Mounting adapter	01E31.60114
S2	1	Contact element, 1 N/C, front mount, 6. contact, screw connection	01E31.60116
S2	1	Contact element, 1N/O, front mount, 6. contact, screw connection	01E31.60115
S3	1	Safety switch, reed contact	01E34.R2105

Options parts list

[illegible]