



Center pivot irrigation system Wiring diagram

2022 •



My dear client:

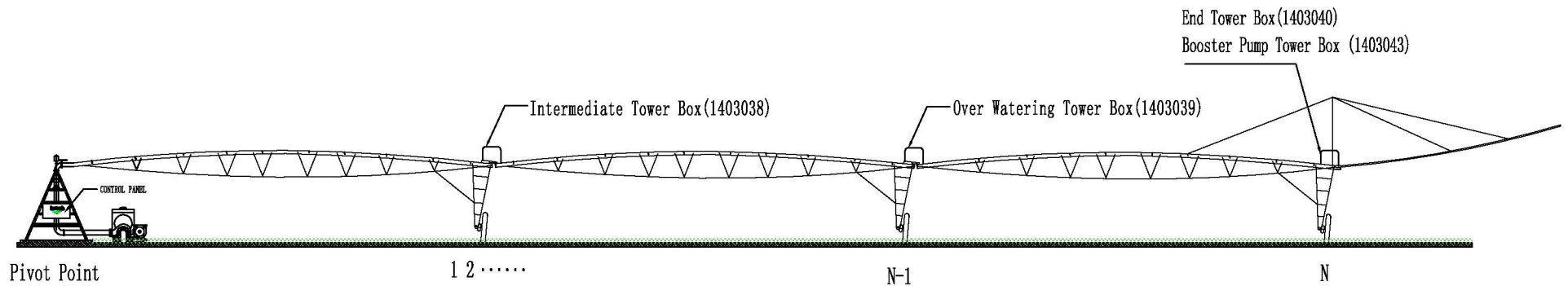
We appreciate your trust and support of Irritech and our irrigation system. The purpose of this manual is to assist you in understanding the electrical components and corresponding wiring diagram required to properly assemble your irrigation system. We have developed a colour coding scheme along with suitable photographs of the assembly to make the process as simple as possible. Customer satisfaction is the foundation of our business, and therefore , if you wish to provide feedback or ask for assistance throughout the assembly, operation or maintenance of your irrigation system, please let us know. Your feedback is of utmost importance to us.

CEO: Majun 



SPAN LAYOUT AND TOWER BOX LOCATION CHART

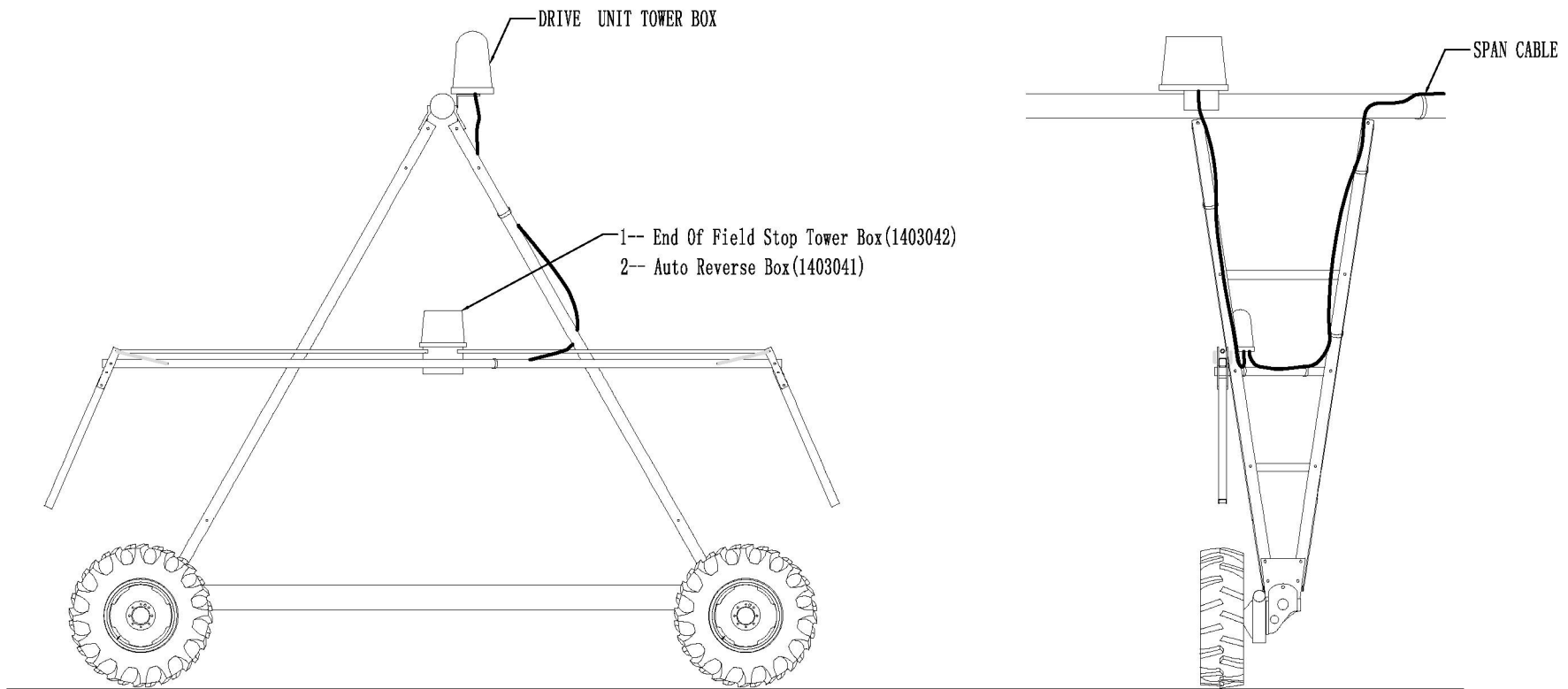
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TOWER BOX LOCATION CHART

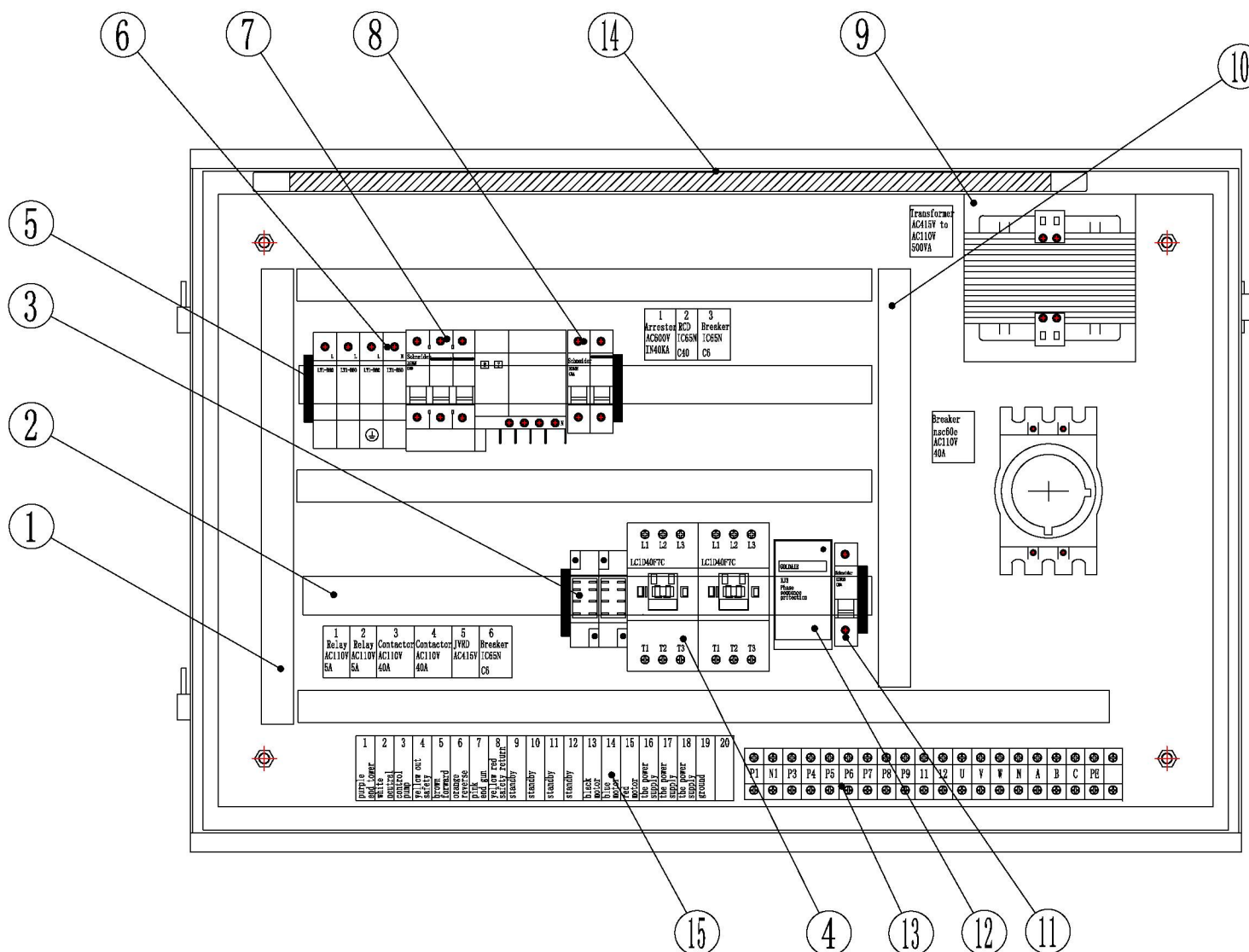
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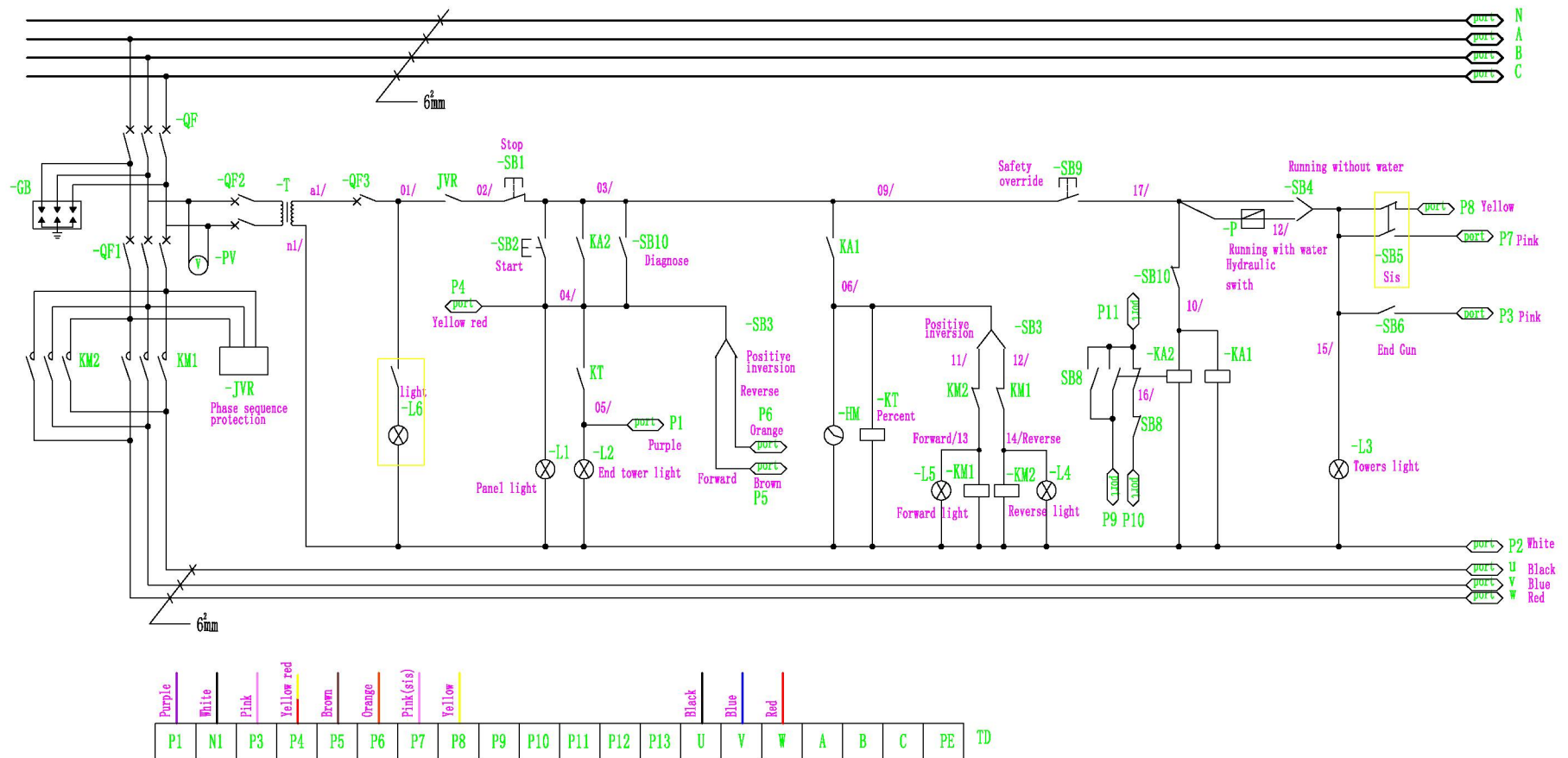


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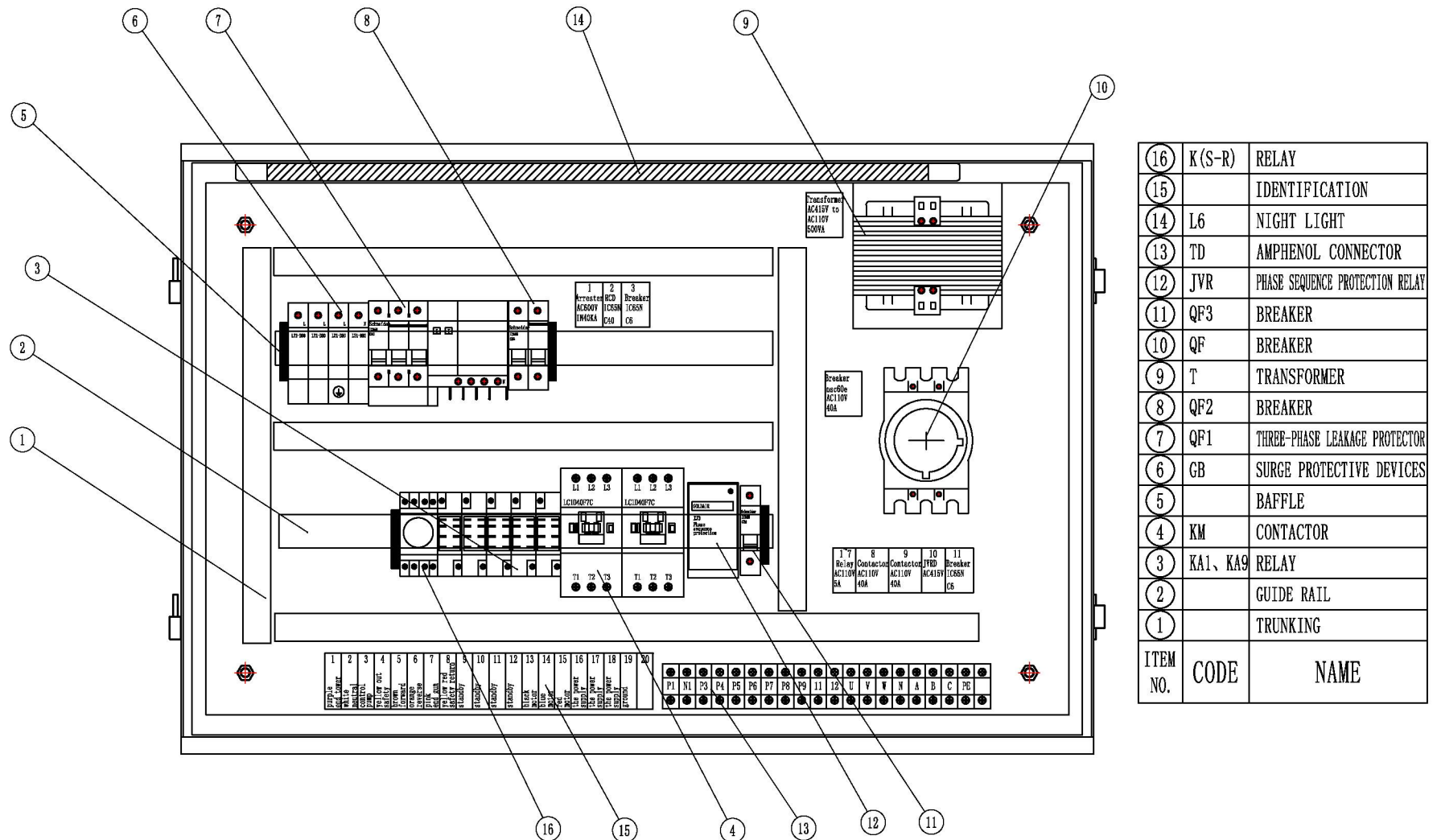


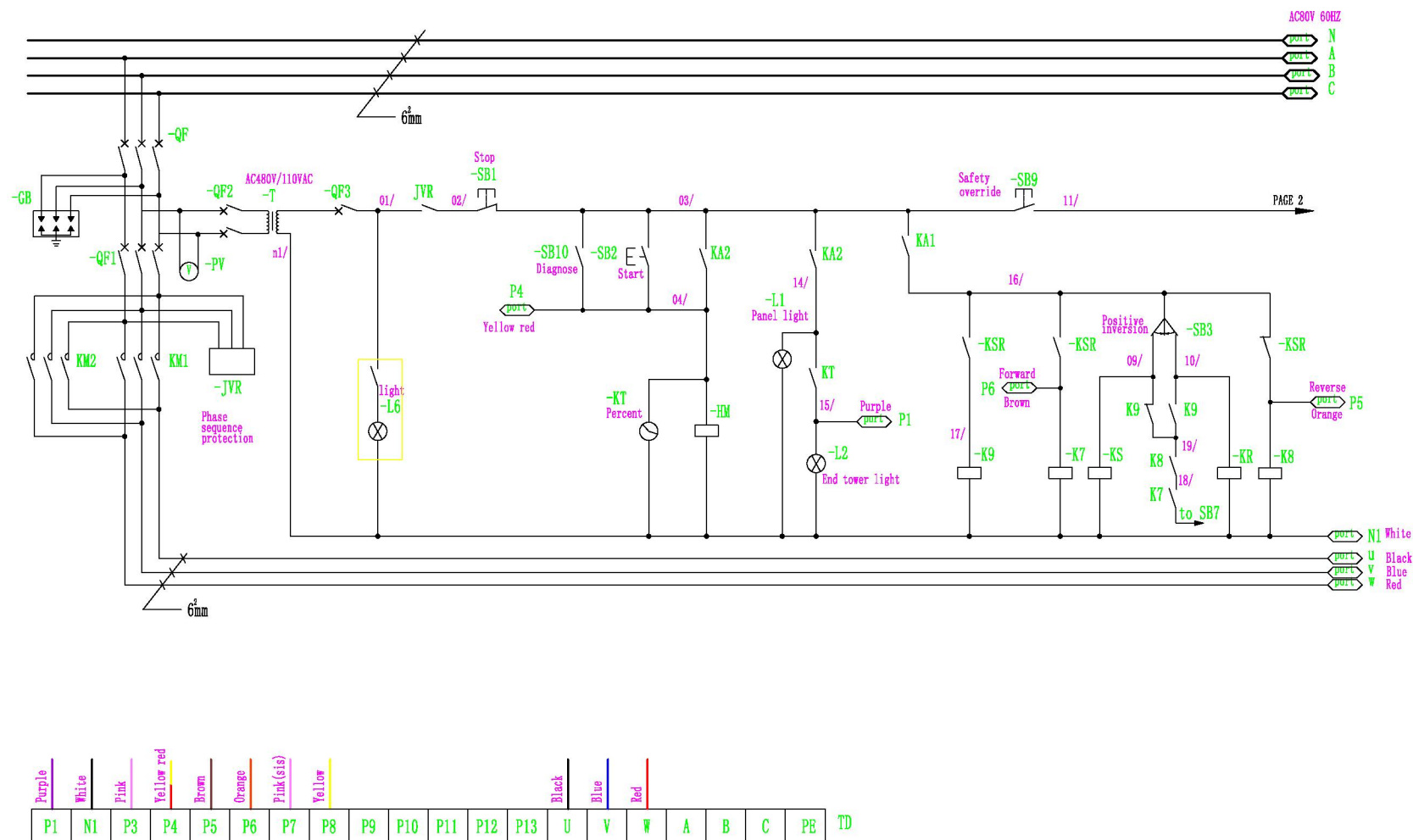


ITEM NO.	CODE	NAME
15		IDENTIFICATION
14	L6	NIGHT LIGHT
13	TD	AMPHENOL CONNECTOR
12	JVR	PHASE SEQUENCE PROTECTION RELAY
11	QF3	BREAKER
10	QF	BREAKER
9	T	TRANSFORMER
8	QF2	BREAKER
7	QF1	THREE-PHASE LEAKAGE PROTECTOR
6	GB	SURGE PROTECTIVE DEVICES
5		BAFFLE
4	KM	CONTACTOR
3	KA1, KA2	RELAY
2		GUIDE RAIL
1		TRUNKING
ITEM NO.	CODE	NAME

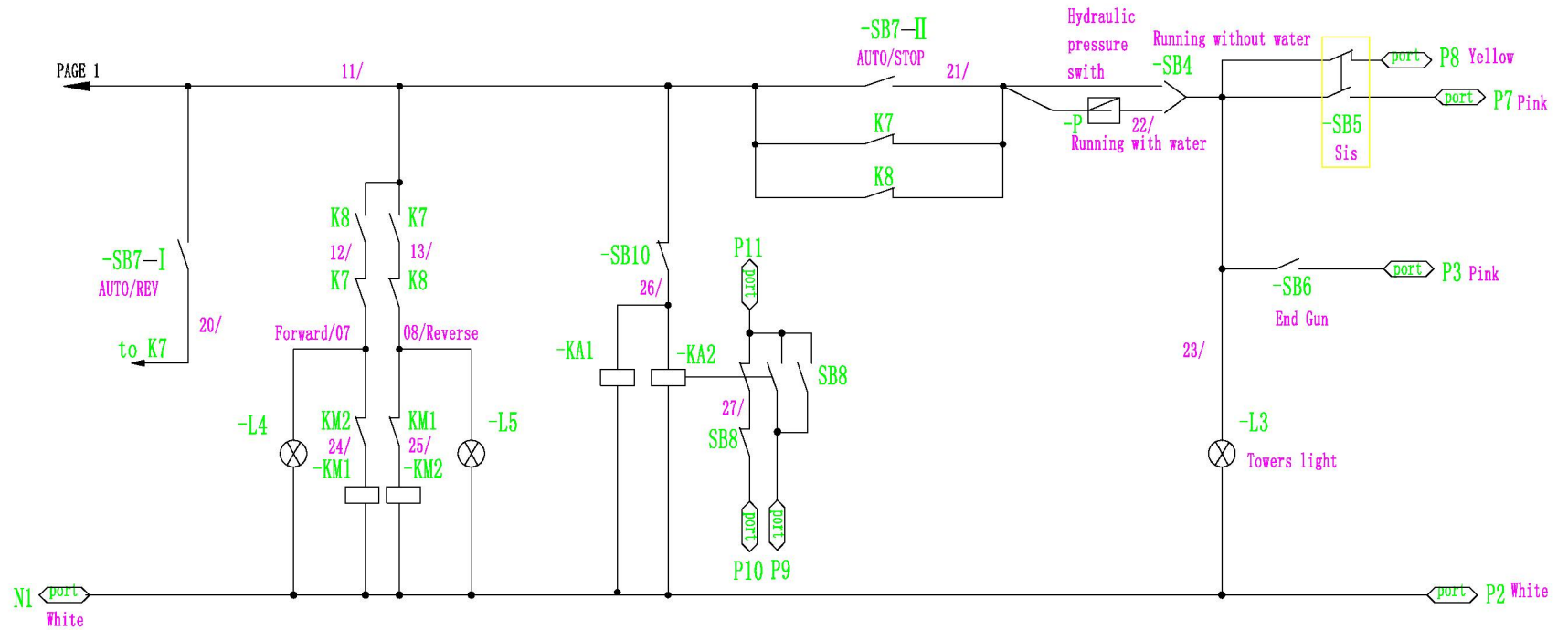


P9 and P11 control normally open generators
P10 and P11 control normally closed generators





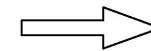
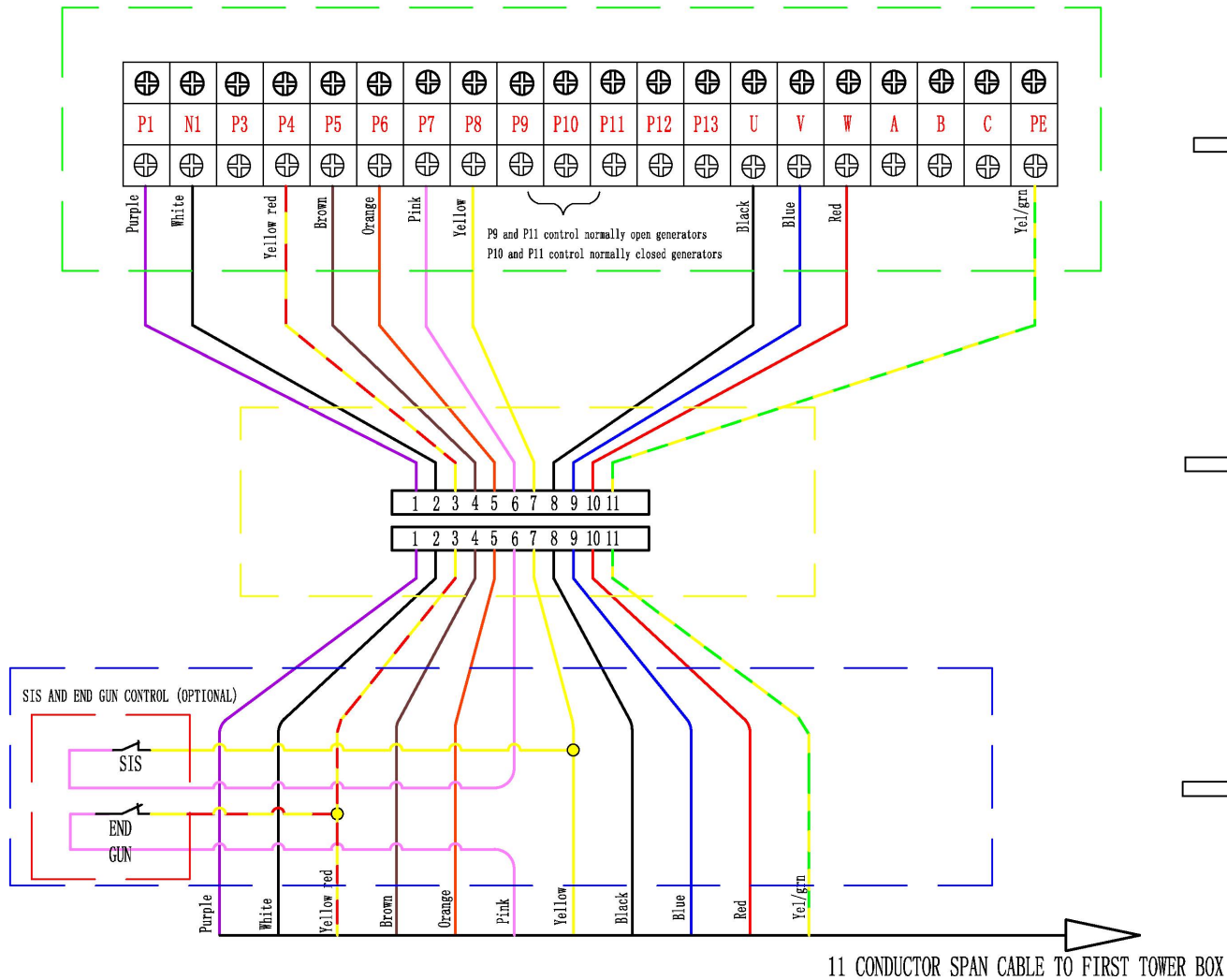
P9 and P11 control normally open generators
P10 and P11 control normally closed generators



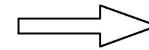


Collector Ring Field Wiring With Sis And End Gun Control

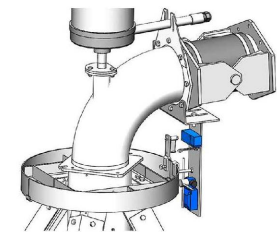
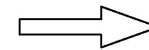
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Control panel



Collector Ring

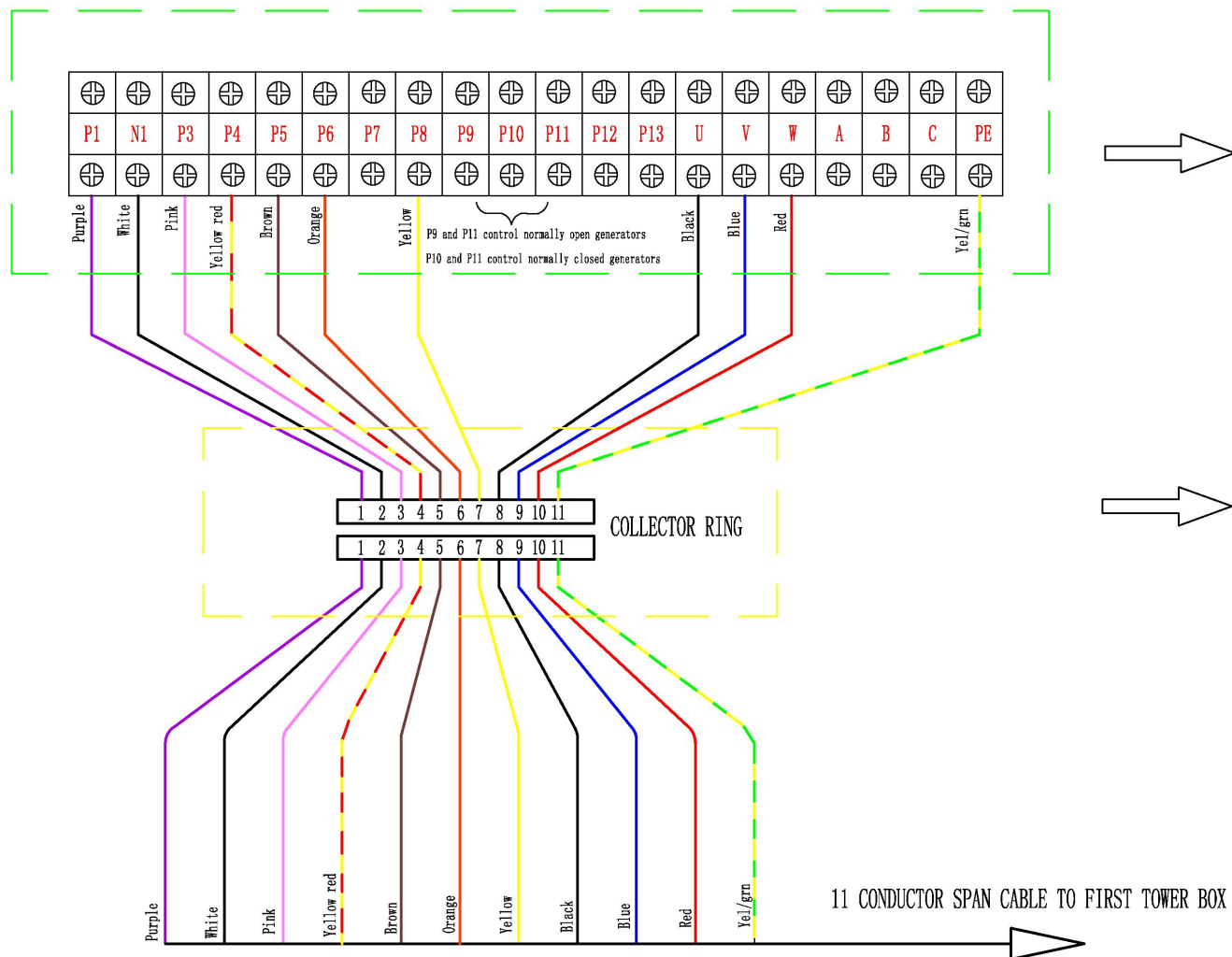


SIS (OPTIONOL)



Collector Ring Field Wiring Without Sis And End Gun Control

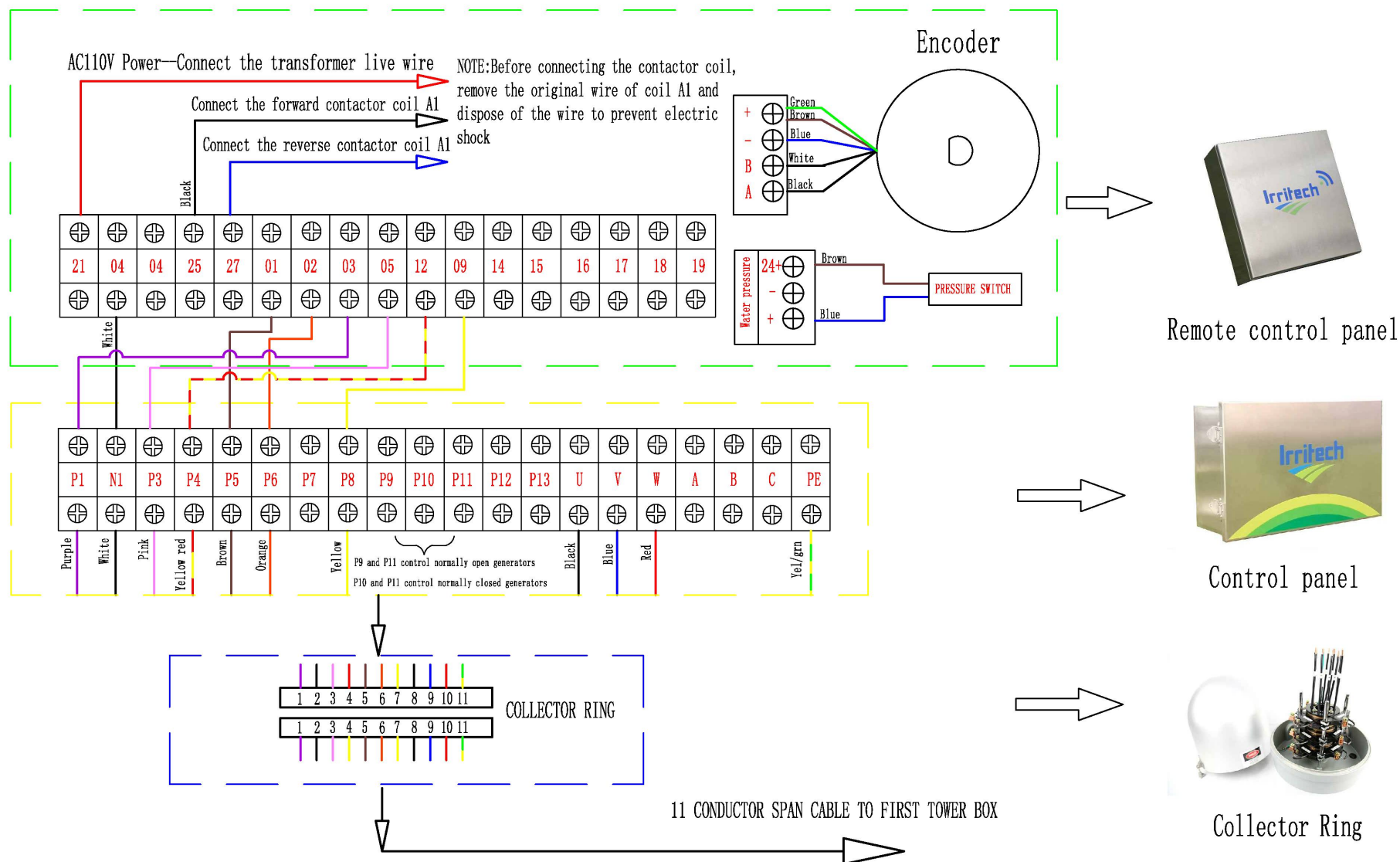
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Control panel



Collector Ring



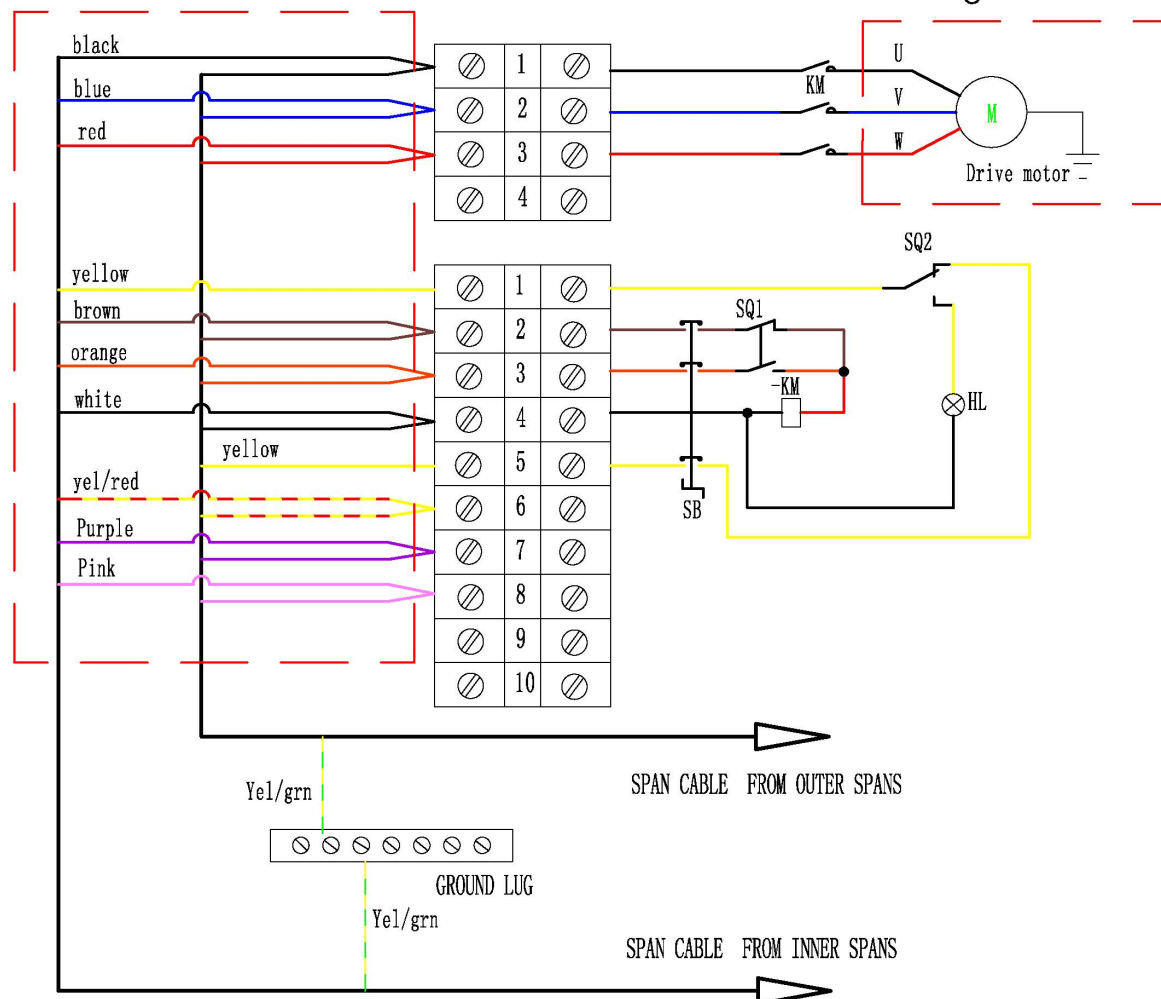


Intermediate Tower Box Wiring Diagram

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Wiring on site

Wiring on site



Intermediate Tower Box
(PN:1403038)

TOWER BOX SYMBOL IDENT.	
KM	Drive Contactor
SQ2	Safety Switch
SQ1	Motor Microswitch
SB	Manual Power Disconnect
HL	Indicator Light

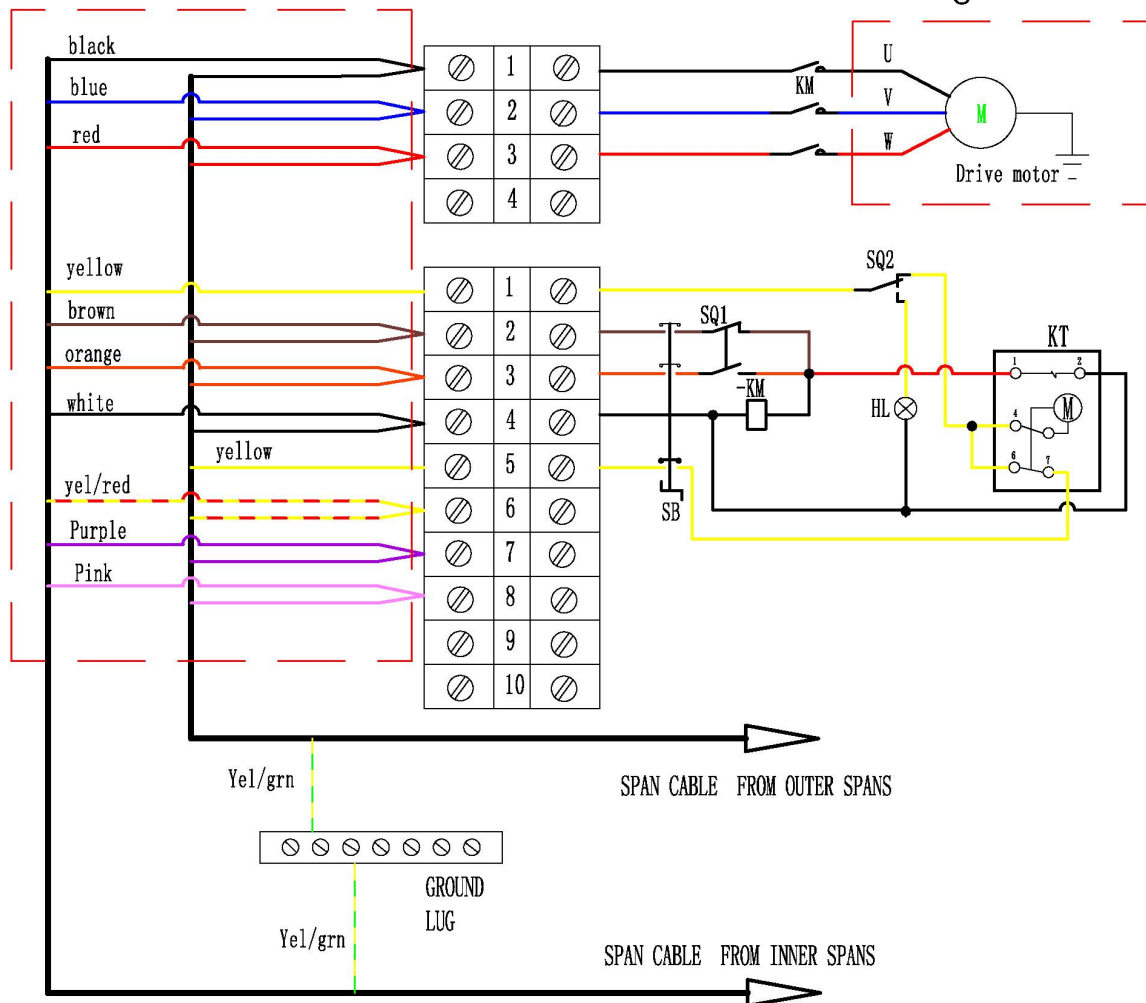


Over Watering Tower Box Wiring Diagram

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Wiring on site

Wiring on site

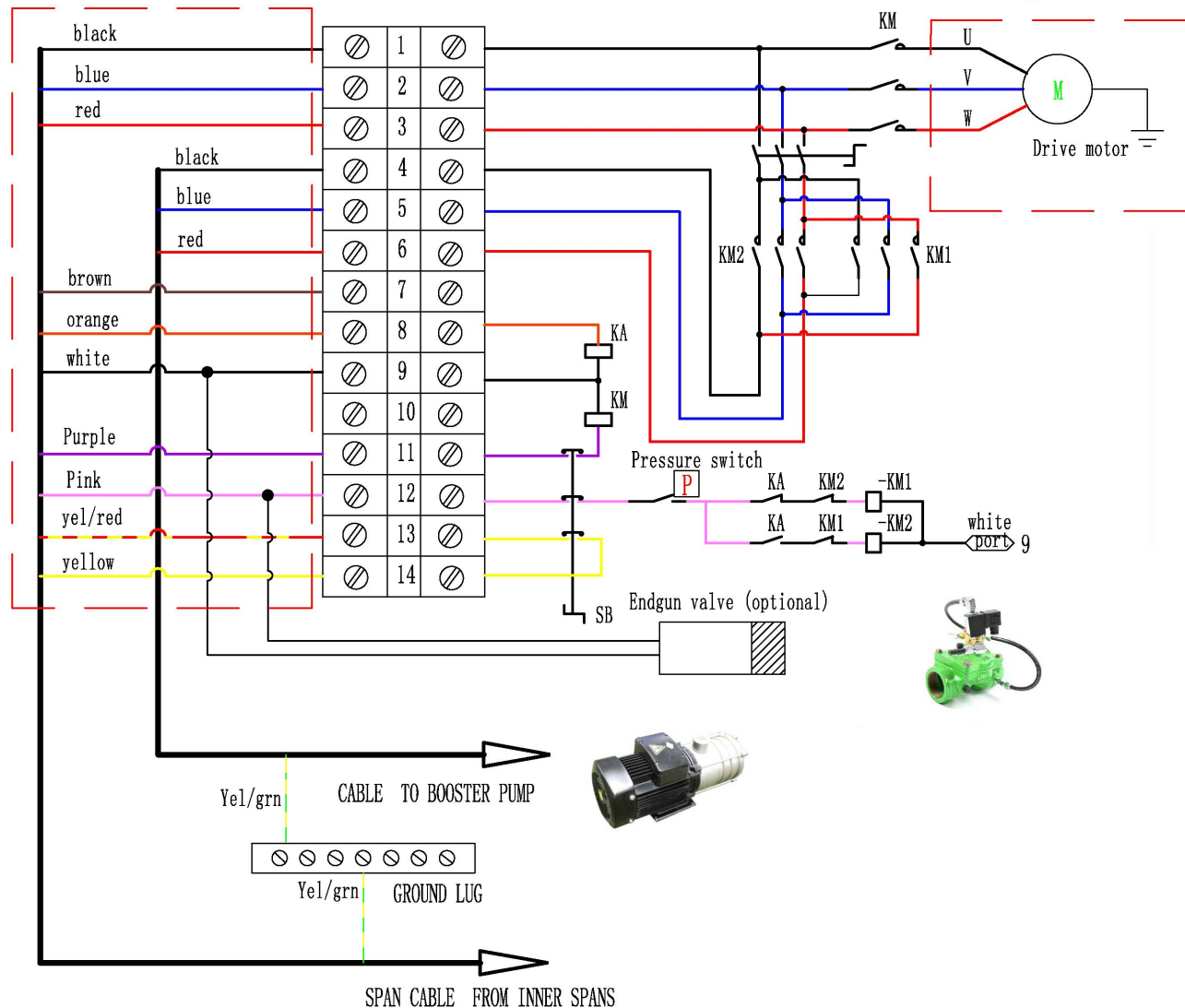


Over Watering Tower Box
(PN:1403039)

TOWER BOX SYMBOL IDENT.	
KM	Drive Contactor
KT	Overwatering Timer
SQ2	Safety Switch
SQ1	Motor Microswitch
SB	Manual Power Disconnect
HL	Indicator Light

Wiring on site

Wiring on site



Booster Pump Tower Box
(PN:1403043)

TOWER BOX SYMBOL IDENT.

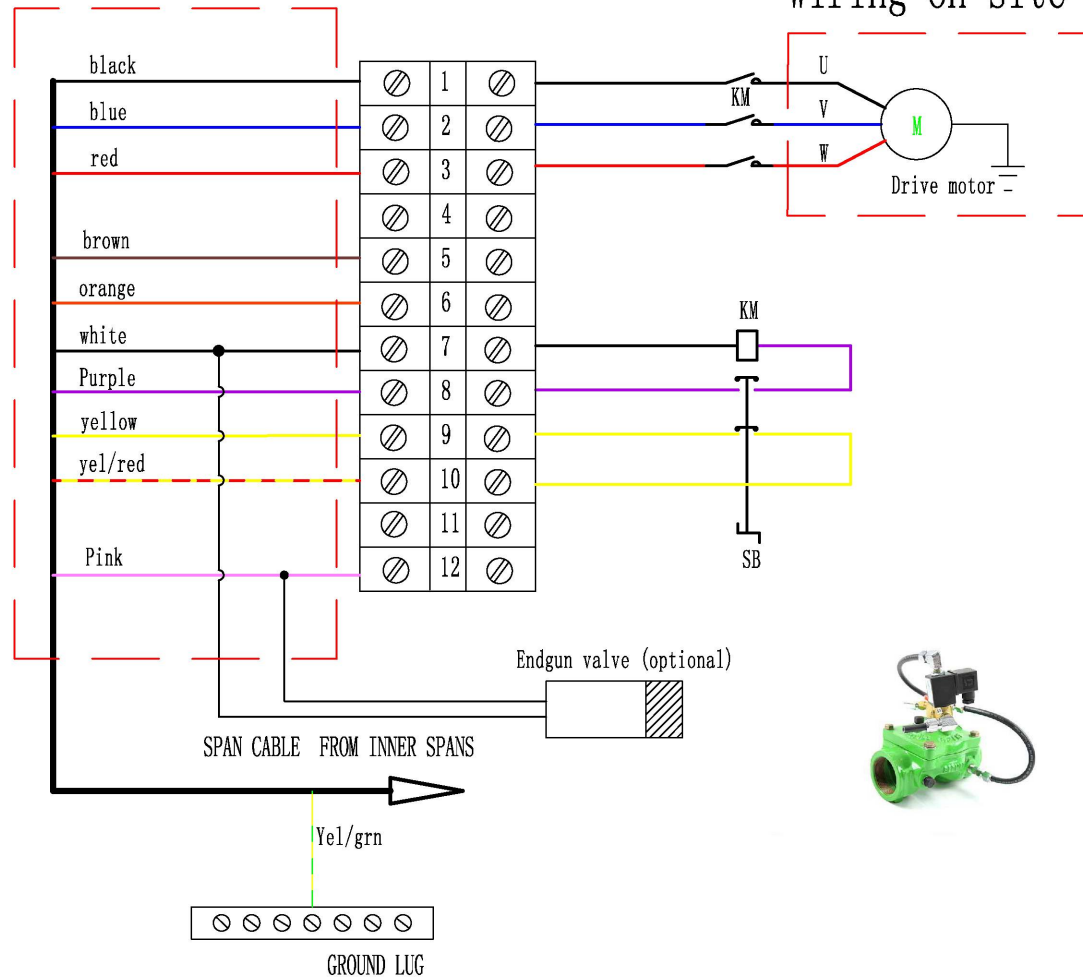
KM	Drive Contactor
SB	Manual Power Disconnect
KA	Relay
KM1-2	Pump Contactor



End Tower Box Wiring Diagram

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Wiring on site



End Tower Box
(PN:1403040)

TOWER BOX SYMBOL IDENT.

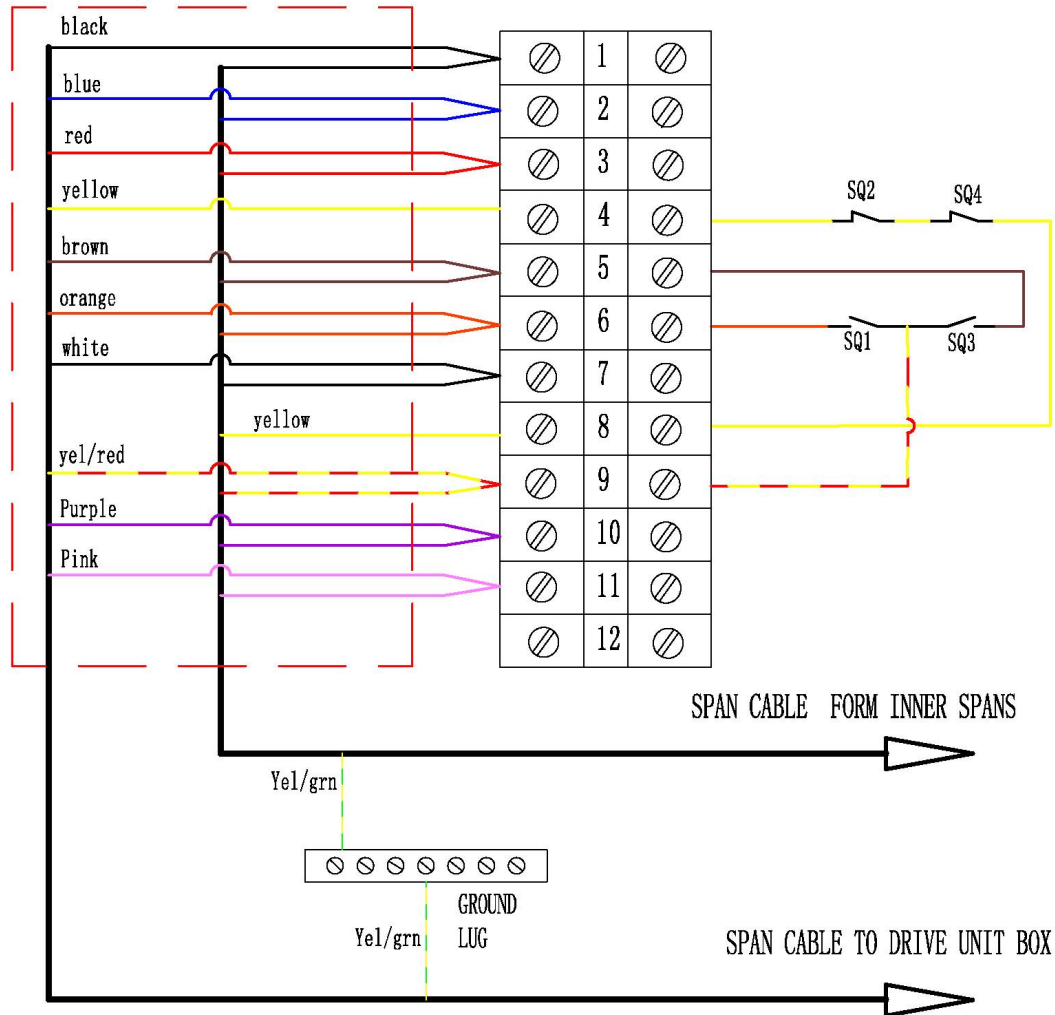
KM	Drive Contactor
SB	Manual Power Disconnect



Auto Reverse Box Wiring Diagram

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Wiring on site



Auto Reverse Box
(PN:1403041)

TOWER BOX SYMBOL IDENT.

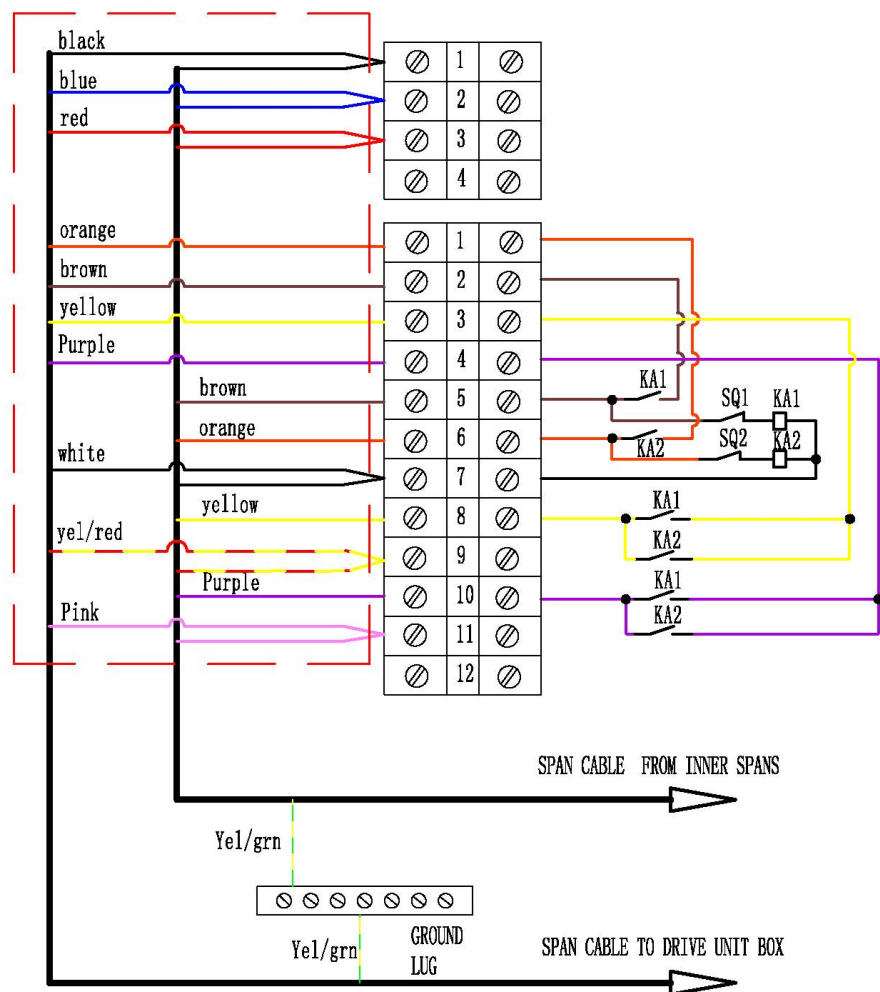
SQ1	Reverse Switch
SQ2	Safety Switch
SQ3	Forward Switch
SQ4	Safety Switch



End Of Field Stop Tower Box Wiring Diagram

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Wiring on site



End Of Field Stop Tower Box
(PN:1403042)

TOWER BOX SYMBOL IDENT.	
KA1	FWD STOP RELAY
KA2	REV STOP RELAY
SQ1	STOP FWD SWITCH
SQ2	STOP REV SWITCH