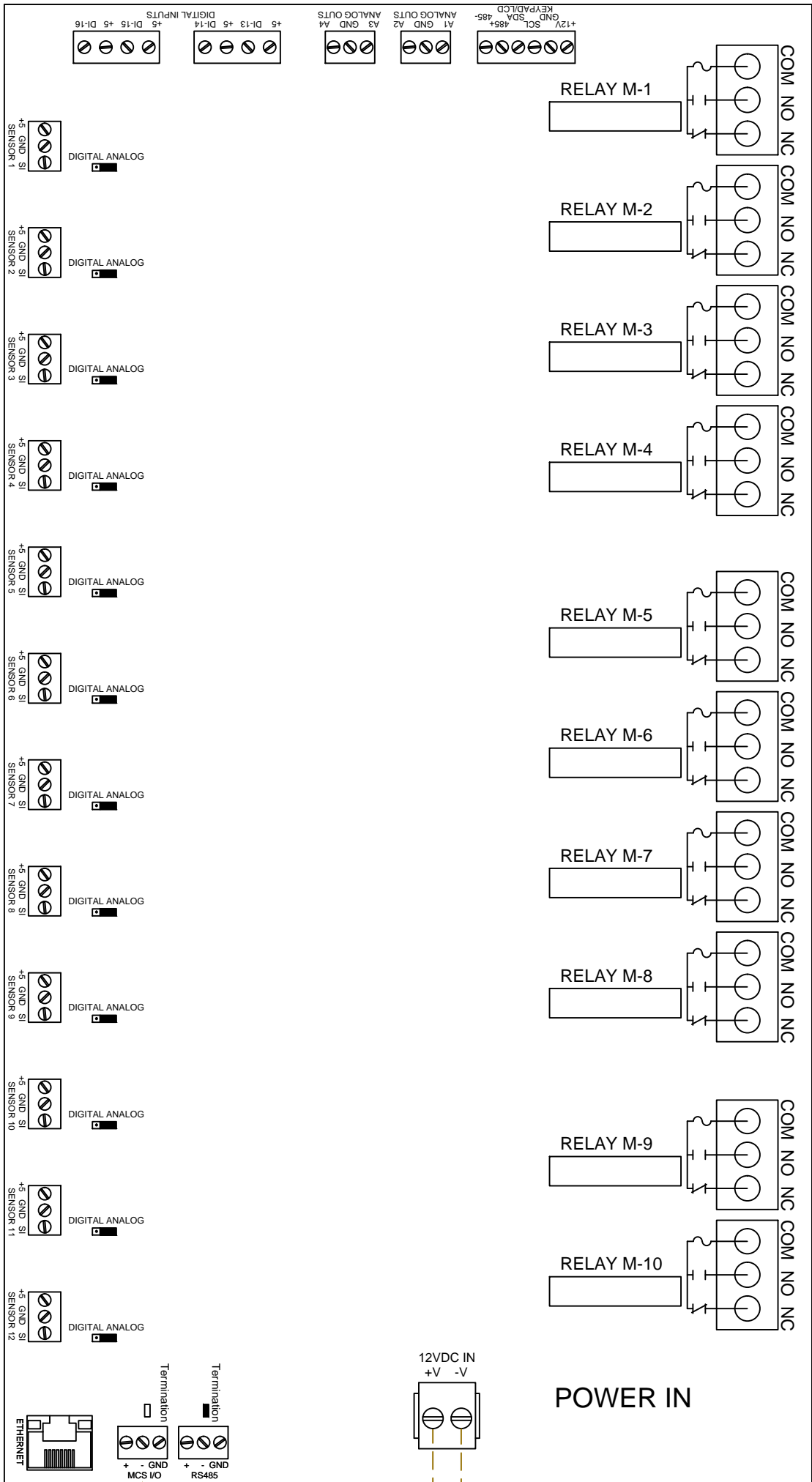


MCS-MAGNUM

SENSOR M-13
 SENSOR M-14
 SENSOR M-15
 SENSOR M-16



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

SENSOR M-1
 SENSOR M-2
 SENSOR M-3
 SENSOR M-4
 SENSOR M-5
 SENSOR M-6
 SENSOR M-7
 SENSOR M-8
 SENSOR M-9
 SENSOR M-10
 SENSOR M-11
 SENSOR M-12

RELAY M-1
 RELAY M-2
 RELAY M-3
 RELAY M-4
 RELAY M-5
 RELAY M-6
 RELAY M-7
 RELAY M-8
 RELAY M-9
 RELAY M-10

Communications to Previous MCS Board in Address Sequence (shield grounded at this end only)
 Communications to Next MCS Board in Address Sequence (shield NOT grounded at this end)

Factory wired:
 Field wired:
 Analog Sensor Jumper:
 Digital Sensor Jumper:

	Job Site Name	
	SO# 000000	Customer Name
Unit Type	Unit Type	
Drawing #	SO# - Drawing #	
Revision	1A	Date
CAD Tech	Name	Page #

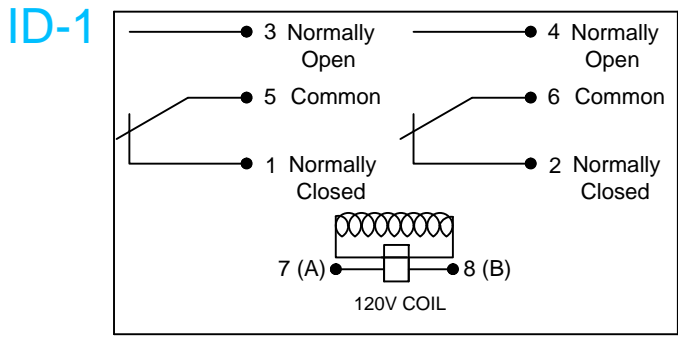
A B C D E F G H I J K

NOTES

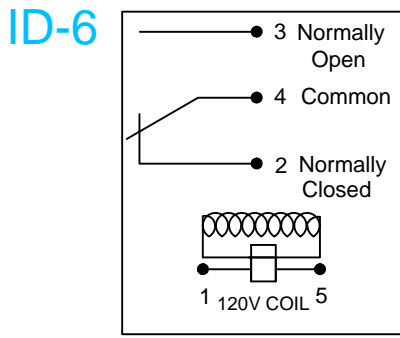
1. Sensors MUST use shielded cable and shield must not be broken.
2. All shields for sensors are to be wired to Earth Ground.
3. All sensor inputs are 0 to 5Vdc.
4. If a MCS-RO-BASE, MCS-SI-BASE, OR MCS-IO-BASE has an MCS-RO-EXT, MCS-SI-EXT, OR MCS-IO-EXT installed, the EXT address is the BASE +1.
 Example: MCS-IO-BASE Address = 1
 MCS-IO-EXT Address = 2
5. Amp input sensors are field wired and must be shielded cable. They generate their own voltage and do not require 5Vdc from the MCS boards.
6. Digital input sensors are field wired and must be shielded cable. The 5Vdc is taken from the sensor terminal and wired through the switch. The jumper must then be set to digital.
7. Use copper wire only.
8. External Main Power Disconnect must be provided by others.

LEGEND

ISOLATION RELAY DIAGRAM

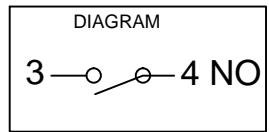
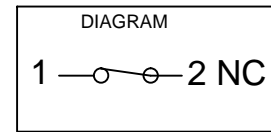
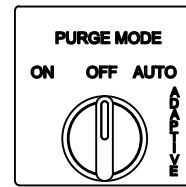


CR3,4,11



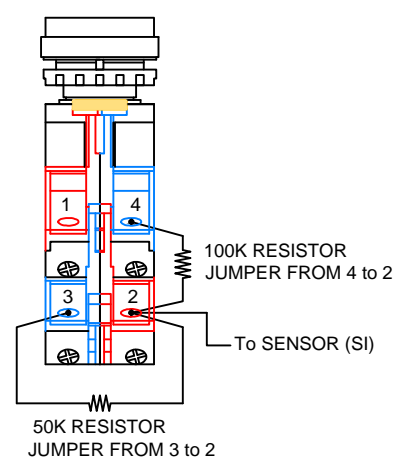
CR1,2,5,6,7,8,9,10,19,20,21

4 POSITION PURGE SWITCH

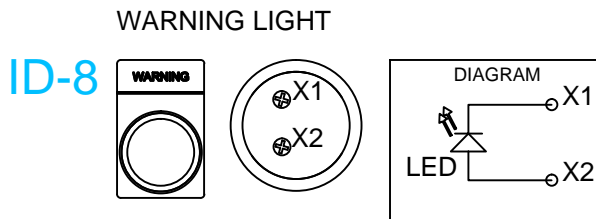
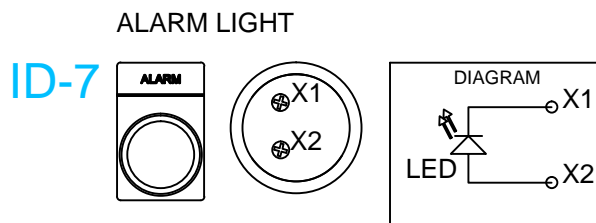
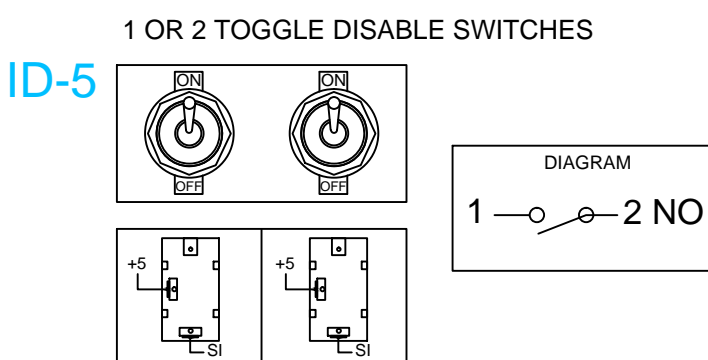
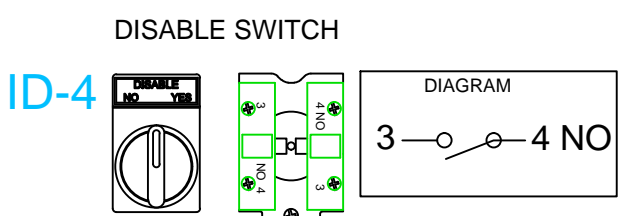
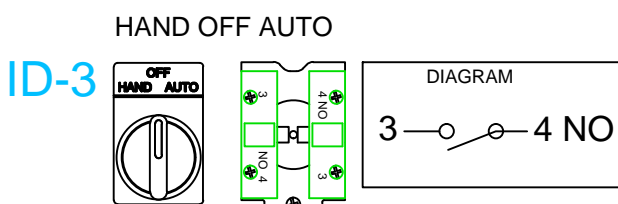
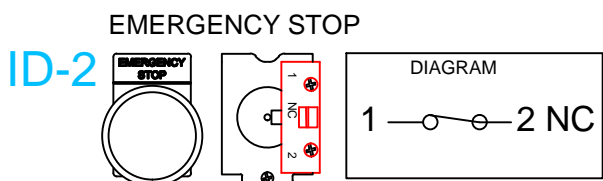
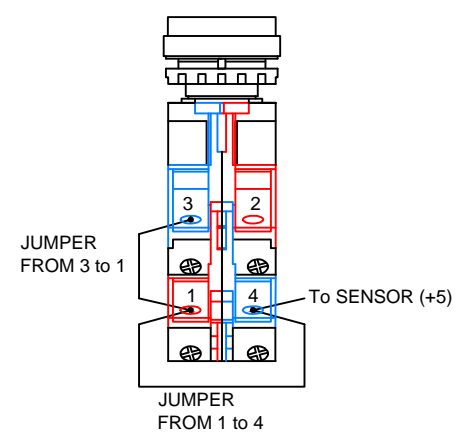


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TOP VIEW

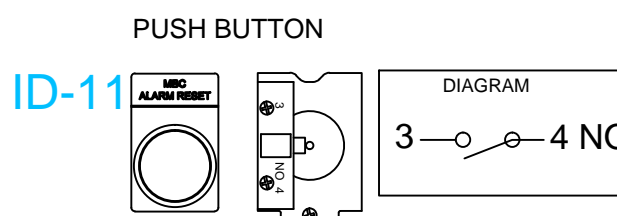
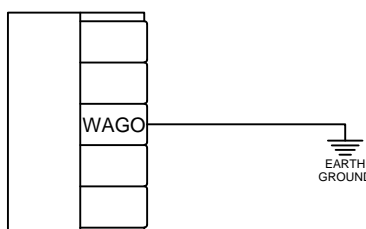


BOTTOM VIEW



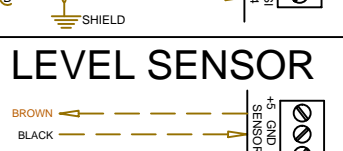
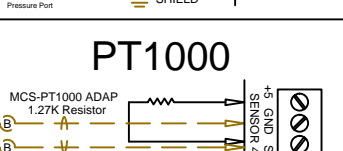
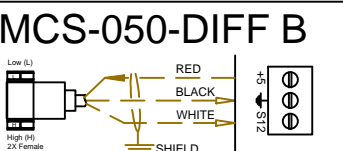
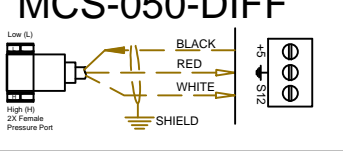
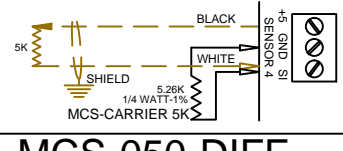
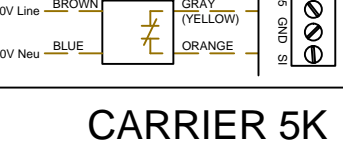
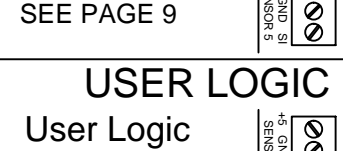
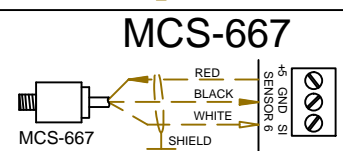
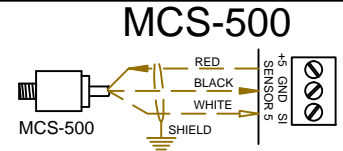
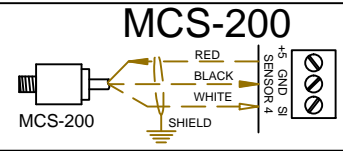
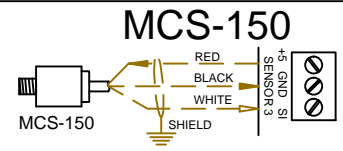
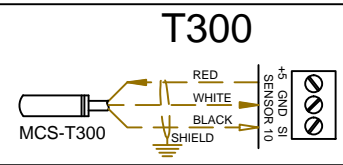
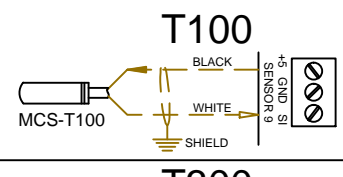
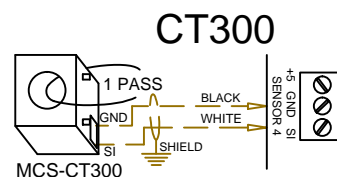
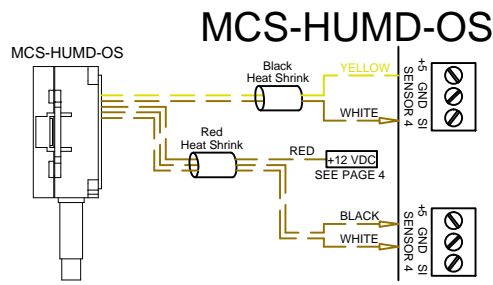
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MCS-SHEILD WIRE-GROUNDING
 Maximum capacity of 3 shields
 or 1 insulated wire per clip.
 Center clip reserved for MCS.

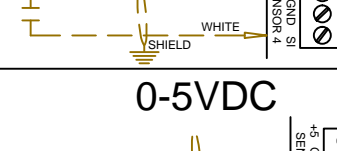
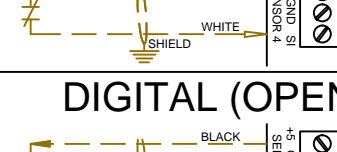
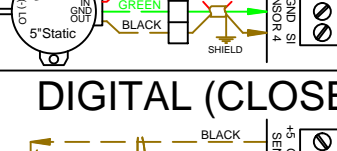
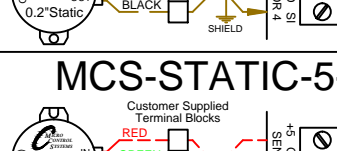
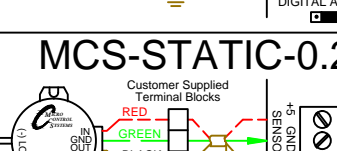
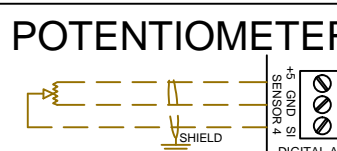
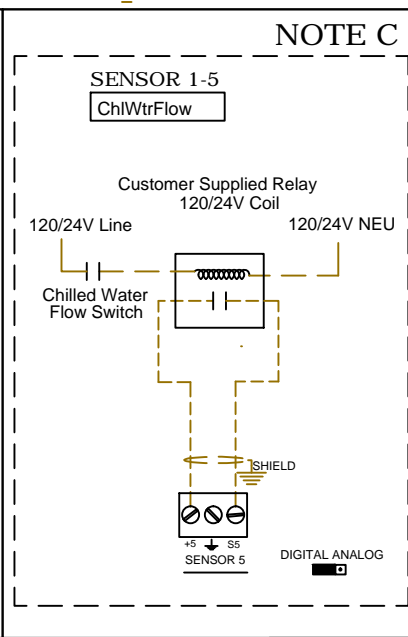
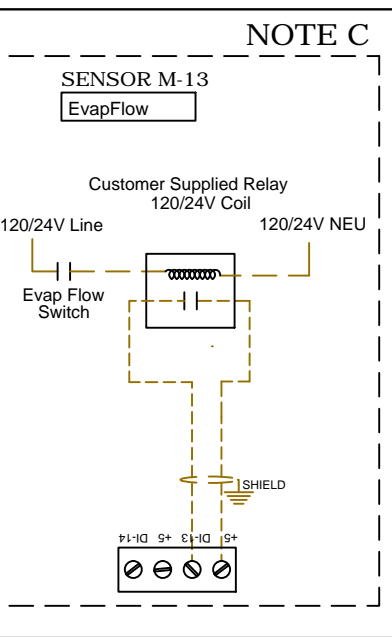
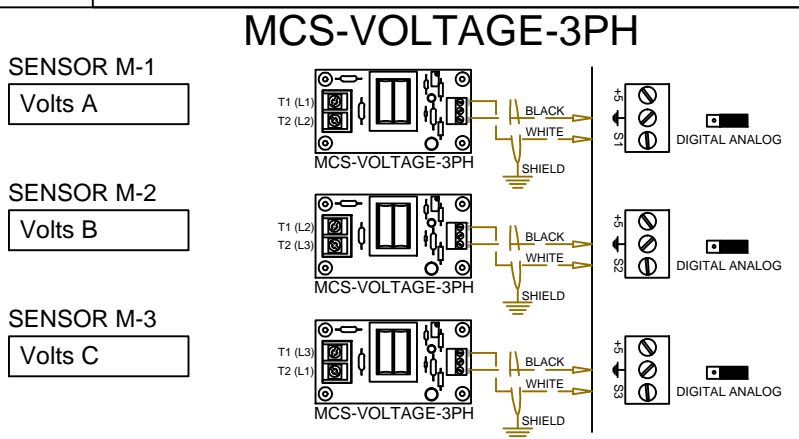
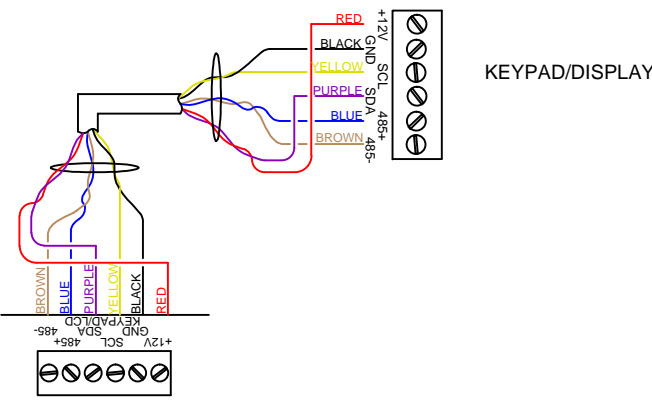


	Job Site Name	
	Customer Name	
SO# 000000	Unit Type	
Unit Type	SO# - Drawing #	
Drawing #	1A	Date
Revision	Name	Page #
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MCS-MAGNUM & MCS-IO-BASE/EXT SENSORS

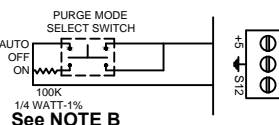


NOTE:
1. Drain shield must be cut at BOTH ends.

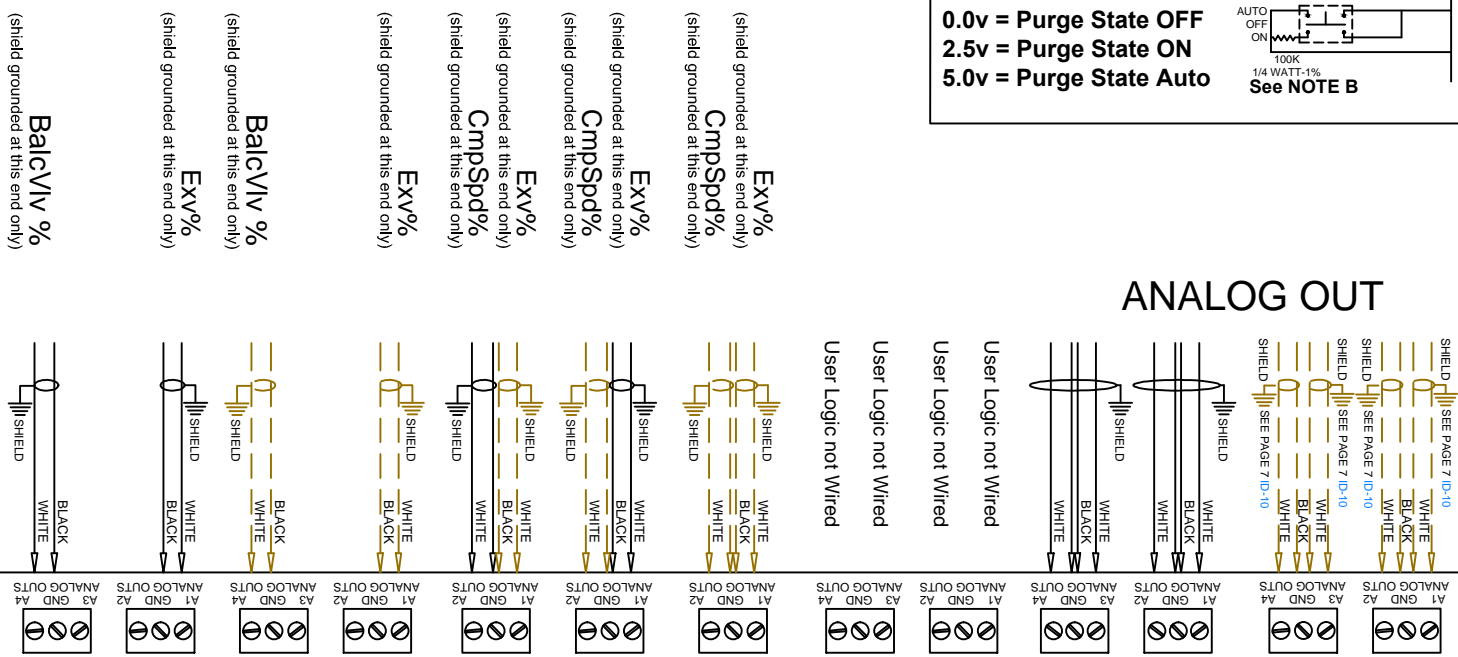


3-way Purge Mode Switch

NOTE B
0.0v = Purge State OFF
2.5v = Purge State ON
5.0v = Purge State Auto



ANALOG OUT



DIGITAL (CLOSED)

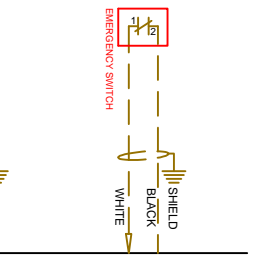
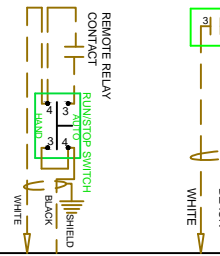
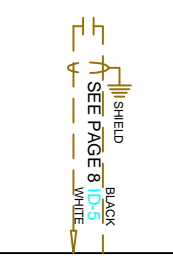
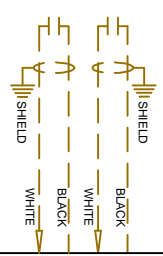
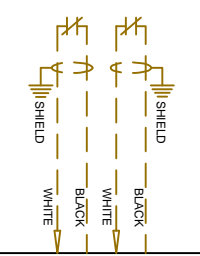
DIGITAL (OPEN)

SEE PAGE

Disable
SEE PAGE 7 ID-4

RUN/STOP SWITCHES

EMERGENCY SWITCH



		Job Site Name	
SO# 000000		Customer Name	
Unit Type		Unit Type	
Drawing #		SO# - Drawing #	
Revision		1A	Date
CAD Tech		Name	Page #