

MCS-IO-BASE
ADDRESS #1

- 1
- 2
- 3
- 4
- 5

SENSOR 1-1
- 6

SENSOR 1-2
- 7

SENSOR 1-3
- 8

SENSOR 1-4
- 9

SENSOR 1-5
- 10

SENSOR 1-6
- 11

SENSOR 1-7
- 12

SENSOR 1-8
- 13

SENSOR 1-9
- 14

SENSOR 1-10
- 15

SENSOR 1-11
- 16

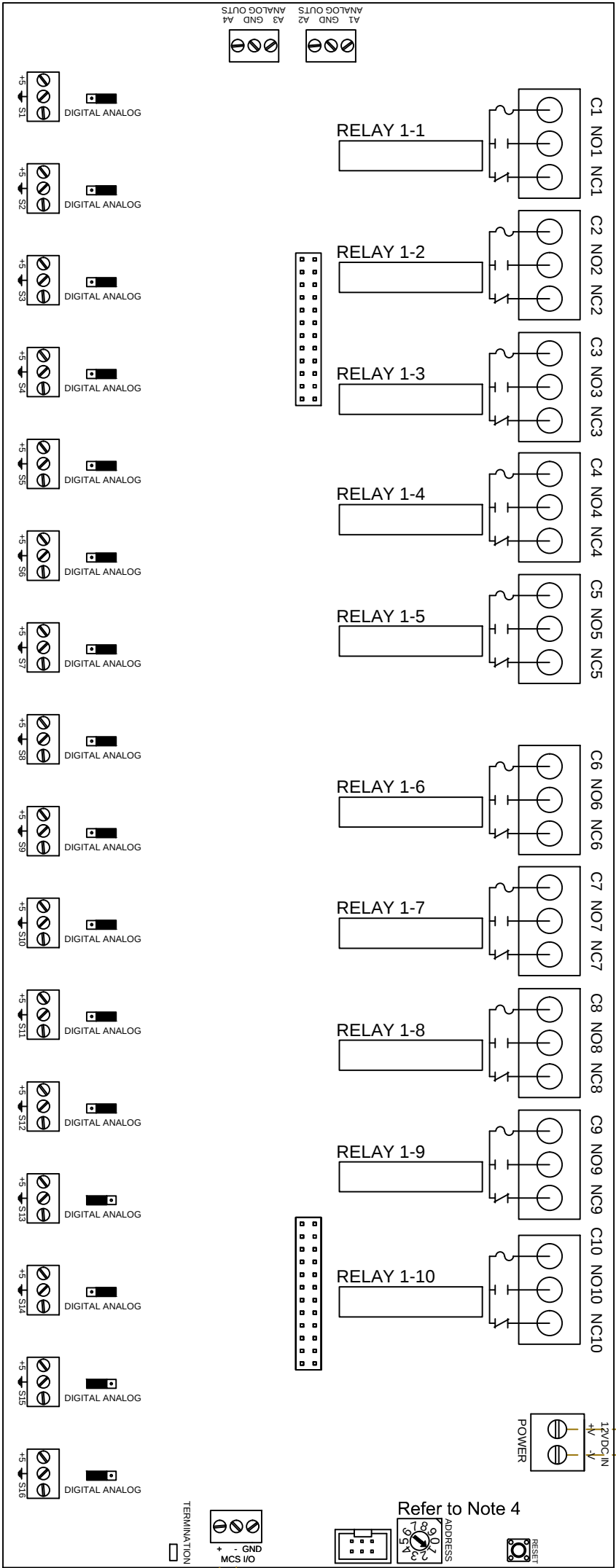
SENSOR 1-12
- 17

SENSOR 1-13
- 18

SENSOR 1-14
- 19

SENSOR 1-15
- 20

SENSOR 1-16



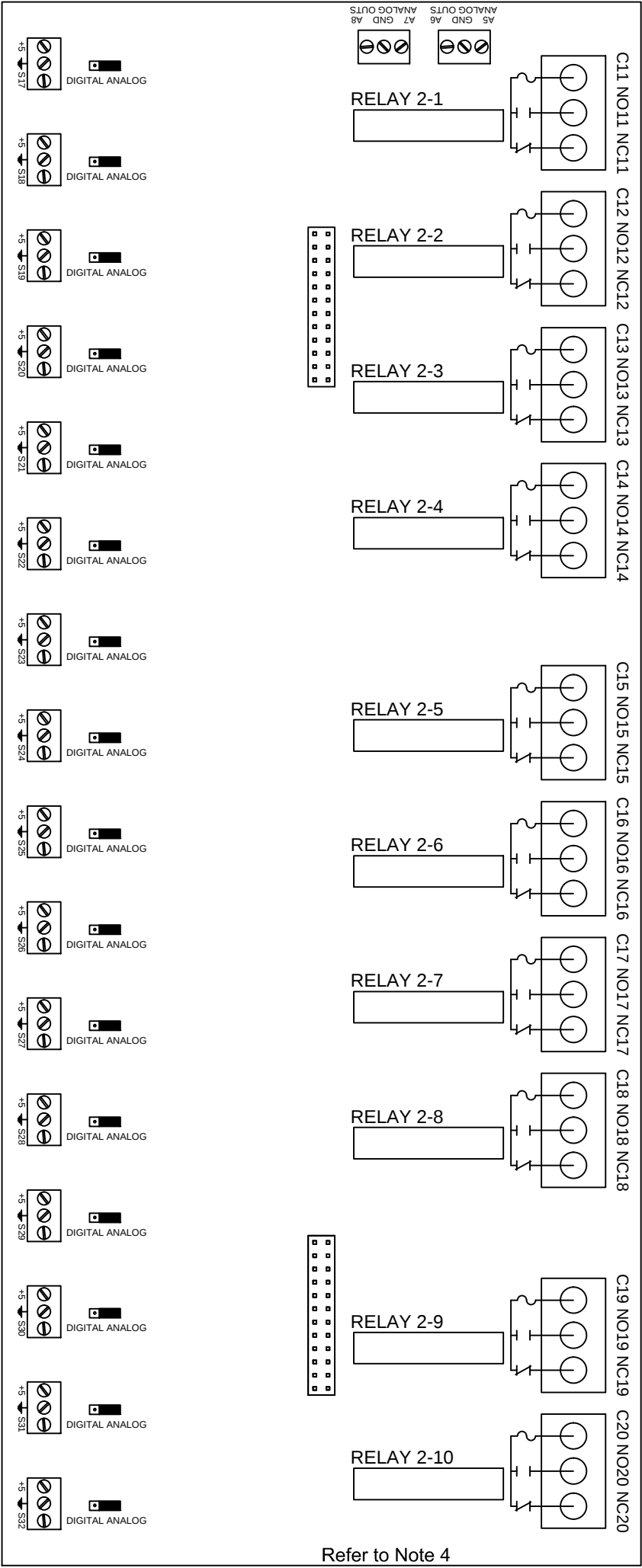
Communications to Preveous MCS Board in Address Sequence
(shield grounded at this end only)
Communications to Next MCS Board in Address Sequence
(shield NOT grounded at this end)

Factory wired: _____
Field wired: - - - - -

Digital Sensor Jumper : ☒ ☐
Analog Sensor Jumper : ☐ ☒

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

MCS-IO-EXT
ADDRESS #2



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

NOTES

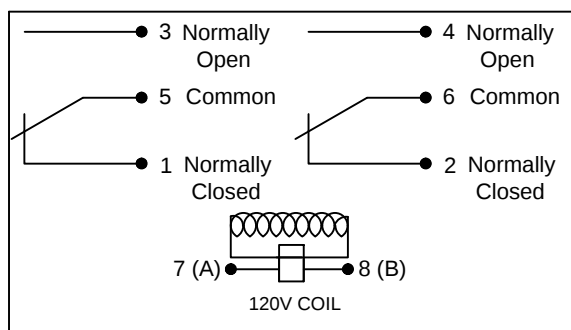
1. Sensors MUST use shielded cable and shield must not be broken.
2. All shields for sensors are to be wired to Earth Ground.
3. All sensor inputs are 0 to 5Vdc.
4. If a MCS-RO-BASE, MCS-SI-BASE, OR MCS-IO-BASE has an MCS-RO-EXT, MCS-SI-EXT, OR MCS-IO-EXT installed, the EXT address is the BASE +1.
Example: 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

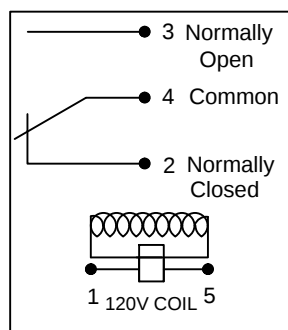
4 POSITION PURGE SWITCH

ID-1

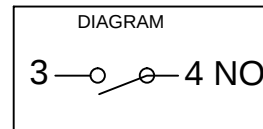
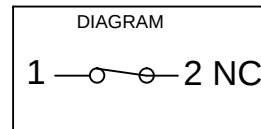
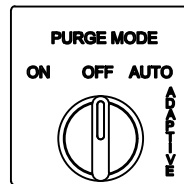


CR3,4,11

ID-6

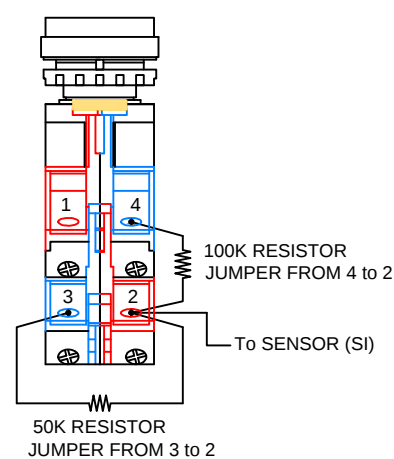


CR1,2,5,6,7,8,9,10,19,20,21

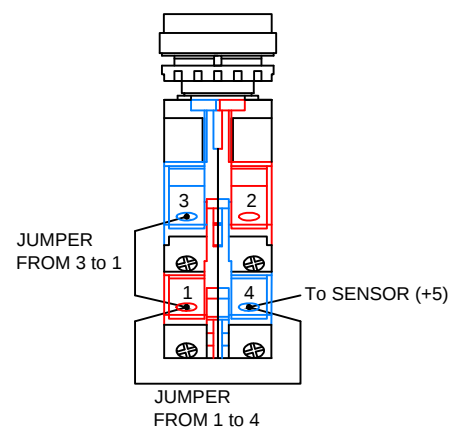


ID-9

TOP VIEW

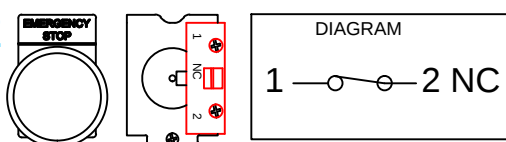


BOTTOM VIEW



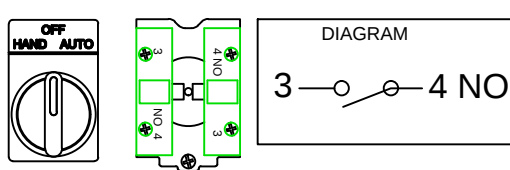
ID-2

EMERGENCY STOP



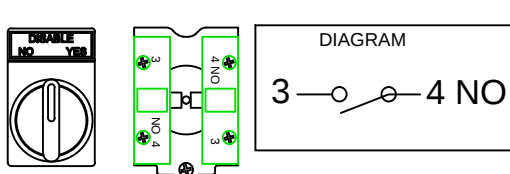
ID-3

HAND OFF AUTO



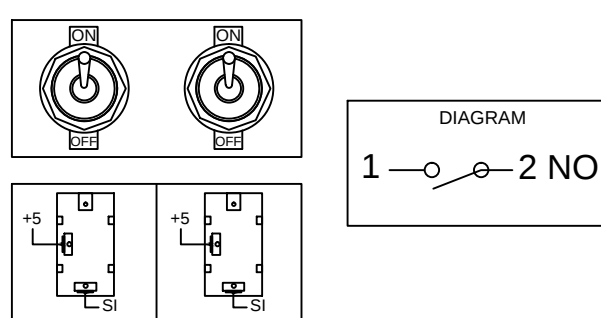
ID-4

DISABLE SWITCH



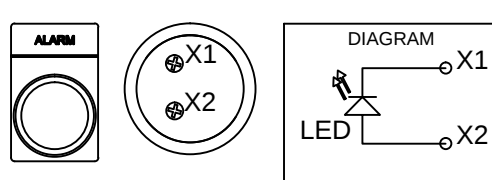
ID-5

1 OR 2 TOGGLE DISABLE SWITCHES



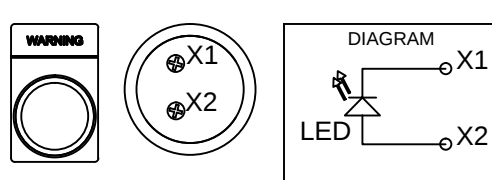
ID-7

ALARM LIGHT



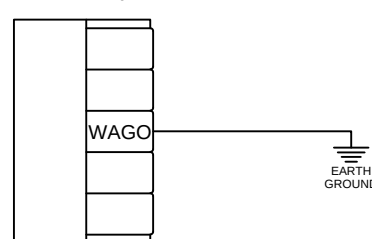
ID-8

WARNING LIGHT



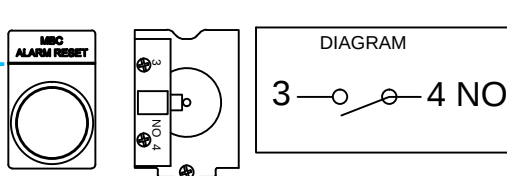
ID-10

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



ID-11

PUSH BUTTON



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

1

