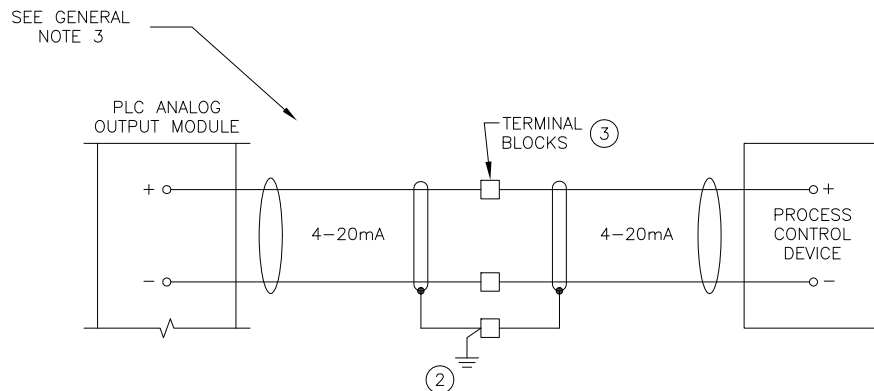


ANALOG INPUTS



ANALOG OUTPUTS

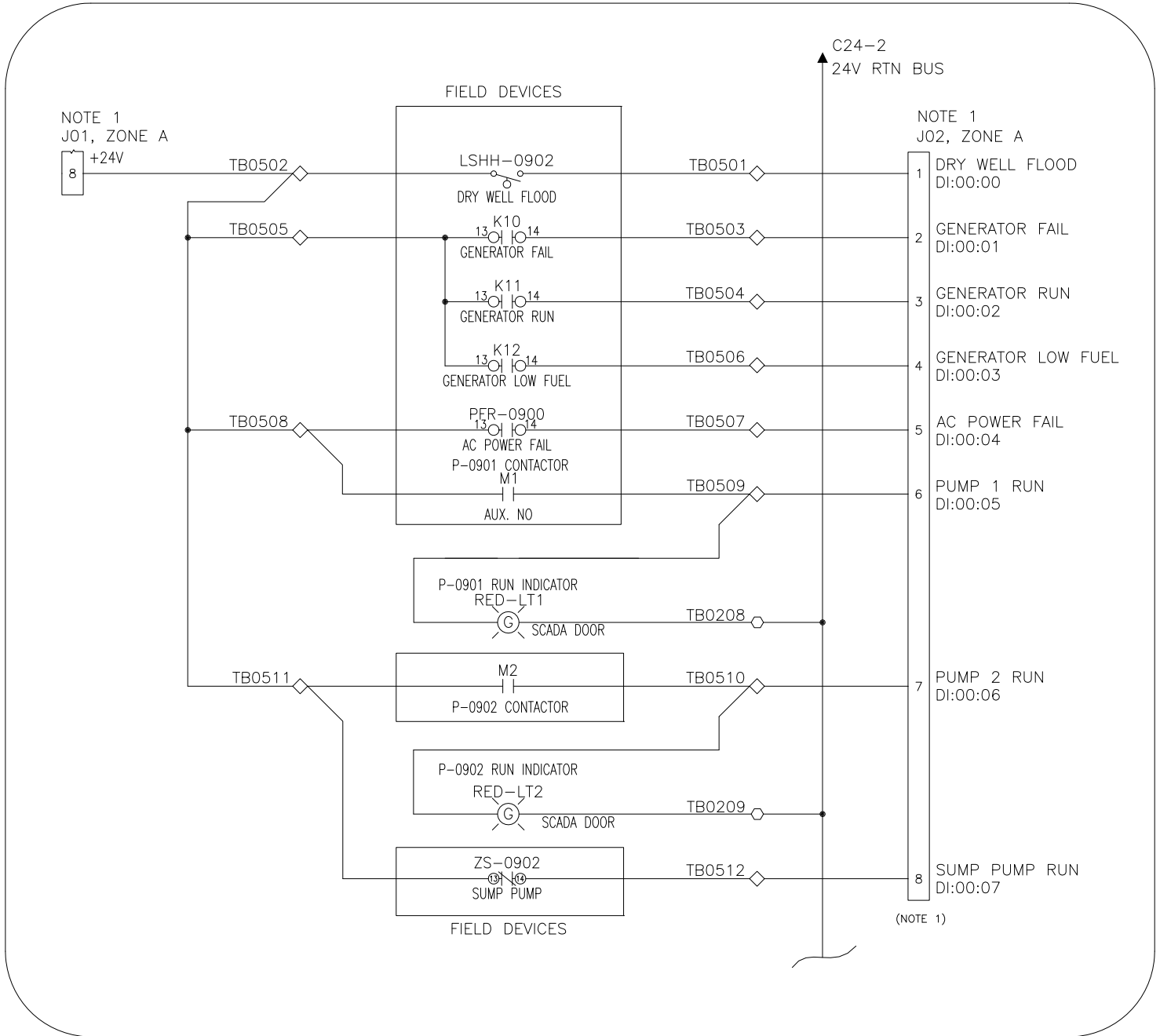
GENERAL NOTES:

1. CONTROL CABINET WIRING PER SECTION 40 98 00.
2. REFER TO CSO SYSTEM P&ID FOR SPECIFIC PLC I/O POINTS.
3. PROVIDE INTRINSIC SAFETY BARRIERS OR ISOLATORS FOR FIELD INSTRUMENTS OR DEVICES LOCATED IN AREAS CLASSIFIED AS AN EXPLOSION HAZARD. INTRINSIC SAFETY DEVICES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS. INTRINSICALLY SAFE CIRCUITS SHALL BE INSTALLED AND PHYSICALLY SEPARATED PER NEC 500, 504 AND UL REQUIREMENTS.

KEYNOTES:

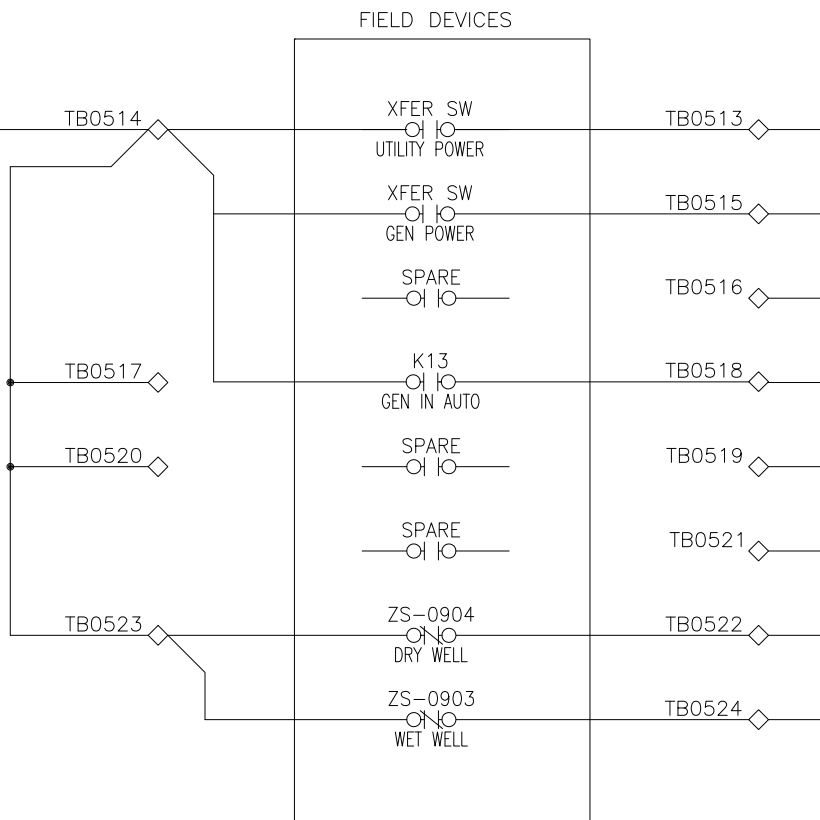
- ① 24VDC CONTROL POWER SUPPLY IN CABINET/PANEL. REFER TO TYPICAL CONTROL CABINET/PANEL POWER DISTRIBUTION SCHEMATIC ON PREVIOUS SHEET AND COMPONENT SPECIFICATIONS.
- ② ALL ANALOG SHIELD'S TO ISOLATED GROUND BUS.
- ③ CONTROL PANEL TERMINAL BLOCKS.

ANALOG WIRING DIAGRAM

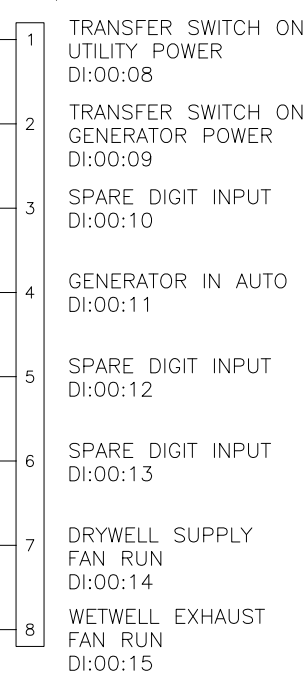


DISCRETE INPUT WIRING SHEET 1 OF 4

NOTE 1
J04, ZONE B



NOTE 1
J05, ZONE B



(NOTE 1)

NOTE:

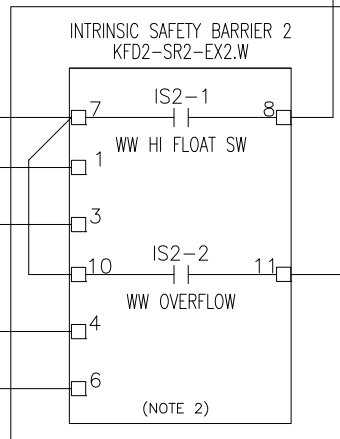
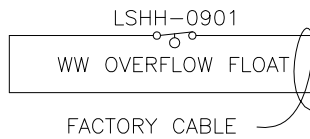
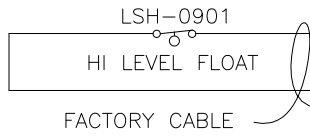
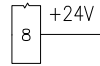
- J01-J12 ARE BREAKOUT BOARD TERMINALS, FOR MORE DETAILS, SEE SNAP-IDC-HDB DATA SHEET.

DISCRETE INPUT WIRING SHEET 2 OF 4

SEE WIRING DETAIL OF
IDEC SMART RELAY
ON
SHEET #8

IDEC SMART RELAY
FLD-H12RCE

NOTE 1
JO7, ZONE C



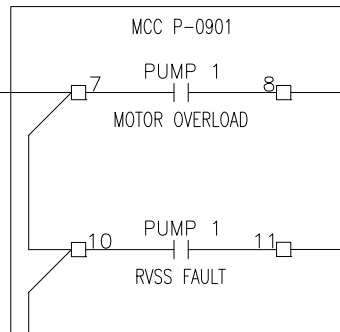
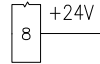
TB0605

NOTE 1
JO8, ZONE C

1 WET WELL HIGH FLOAT
DI:00:16

2 WET WELL OVERFLOW
DI:00:17

NOTE 1
JO7, ZONE C

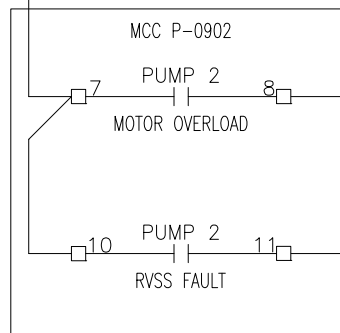


TB0607

3 PUMP 1 MOTOR OL
DI:00:18

TB0608

4 PUMP 1 RVSS FAULT
DI:00:19



TB0609

5 PUMP 2 MOTOR OL
DI:00:20

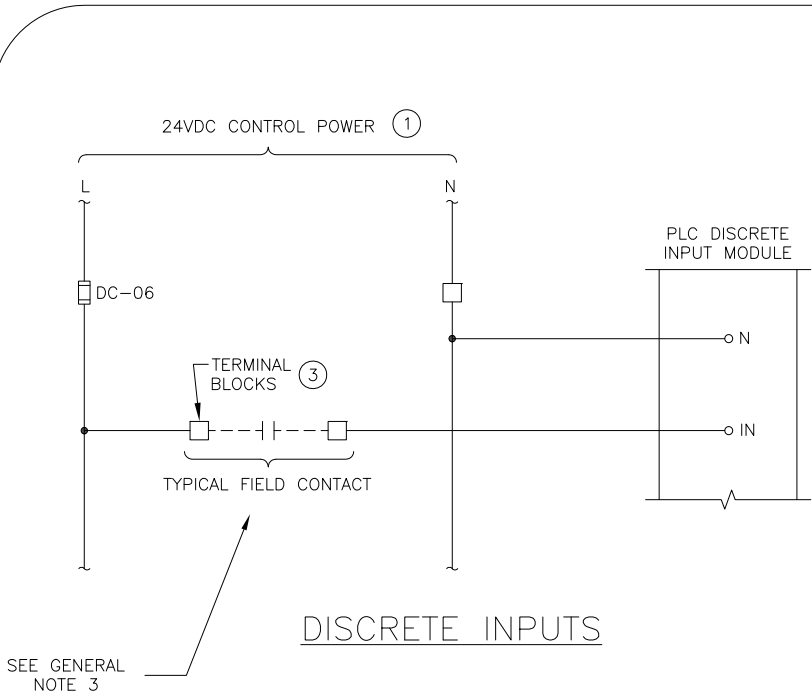
TB0610

6 PUMP 2 RVSS FAULT
DI:00:21

(NOTE 1)

(SEE THE INTRINSIC
SAFETY BARRIER WIRING
DETAIL AS SHOWN ON
THIS SHEET)

DISCRETE INPUT WIRING SHEET 3 OF 4

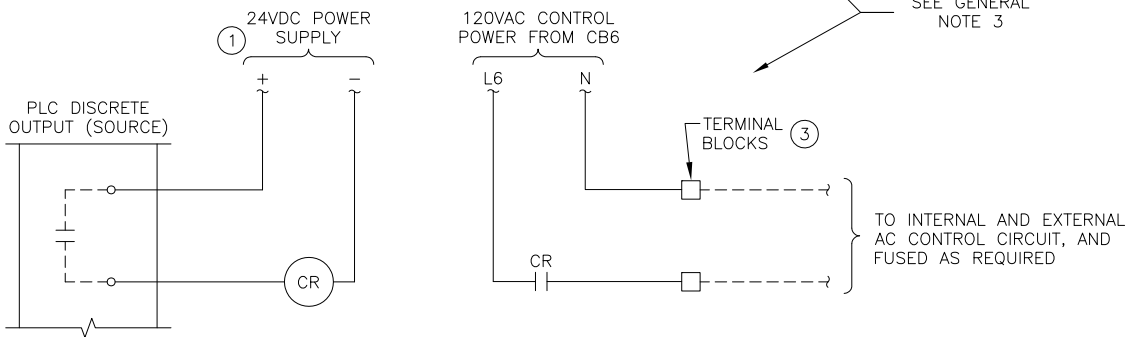
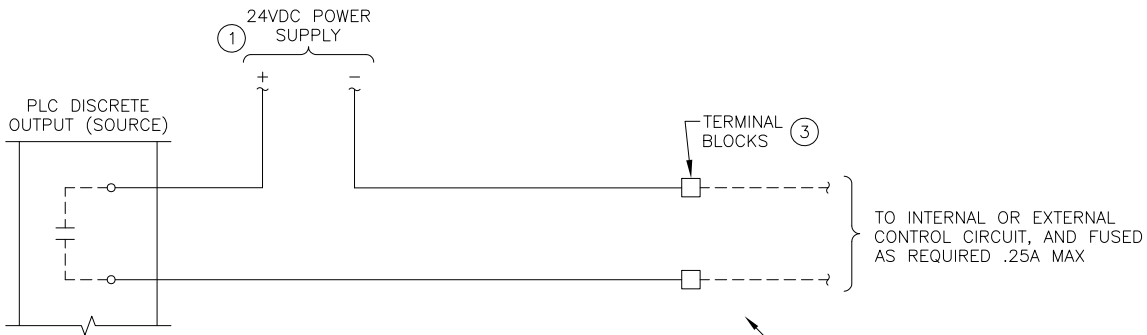


GENERAL NOTES:

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KEYNOTES:

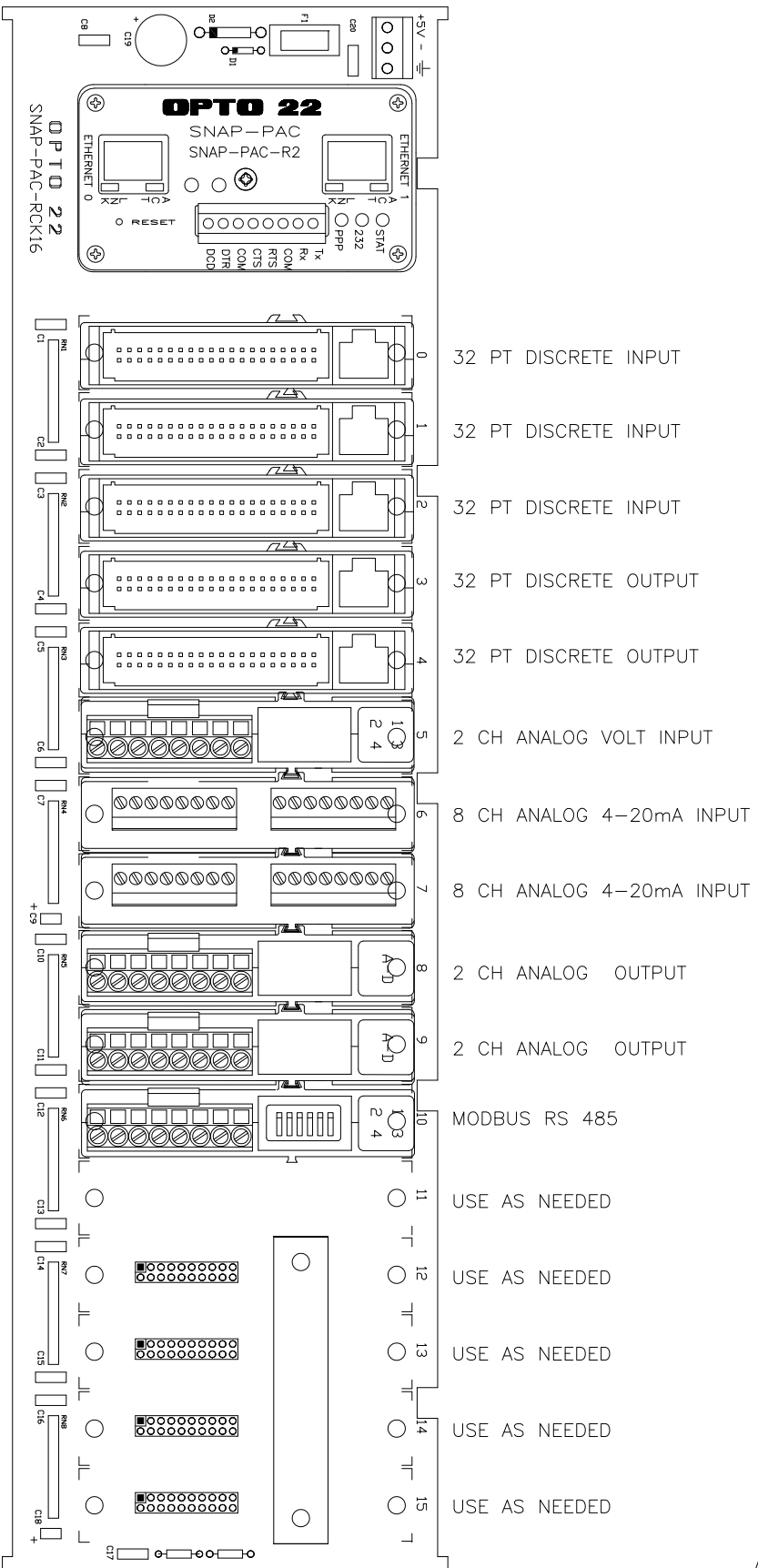
- ① 24VDC CONTROL POWER SUPPLY IN CABINET/PANEL. REFER TO TYPICAL CONTROL CABINET/PANEL POWER DISTRIBUTION SCHEMATIC ON PREVIOUS SHEET AND COMPONENT SPECIFICATIONS.
- ② ALL ANALOG SHIELD'S TO ISOLATED GROUND BUS.
- ③ CONTROL PANEL TERMINAL BLOCKS.



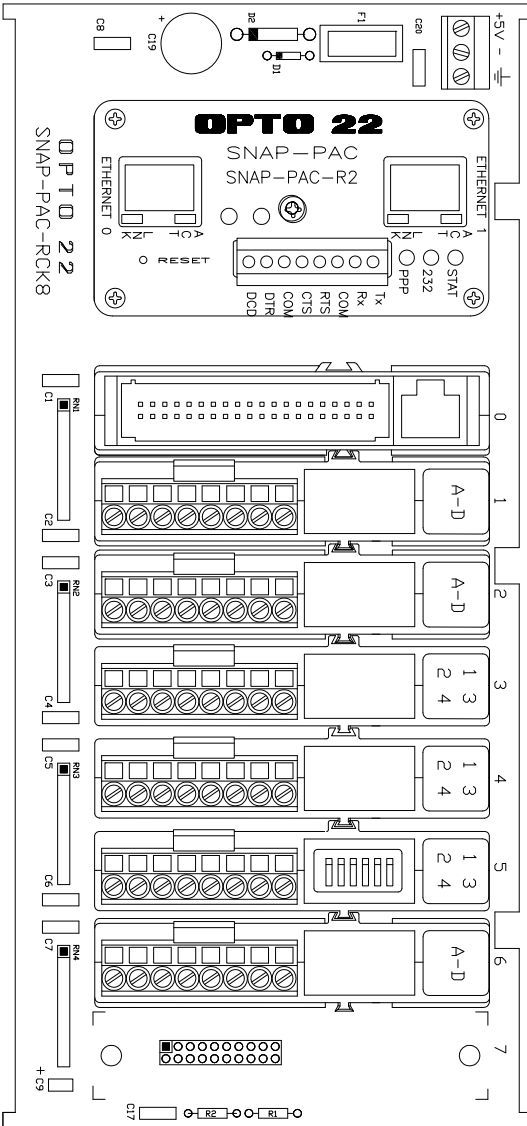
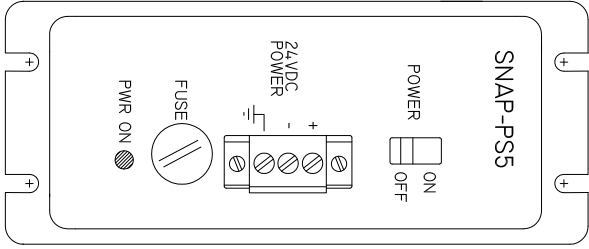
SEE GENERAL NOTE 3

DISCRETE OUTPUTS

DISCRETE WIRING DIAGRAM



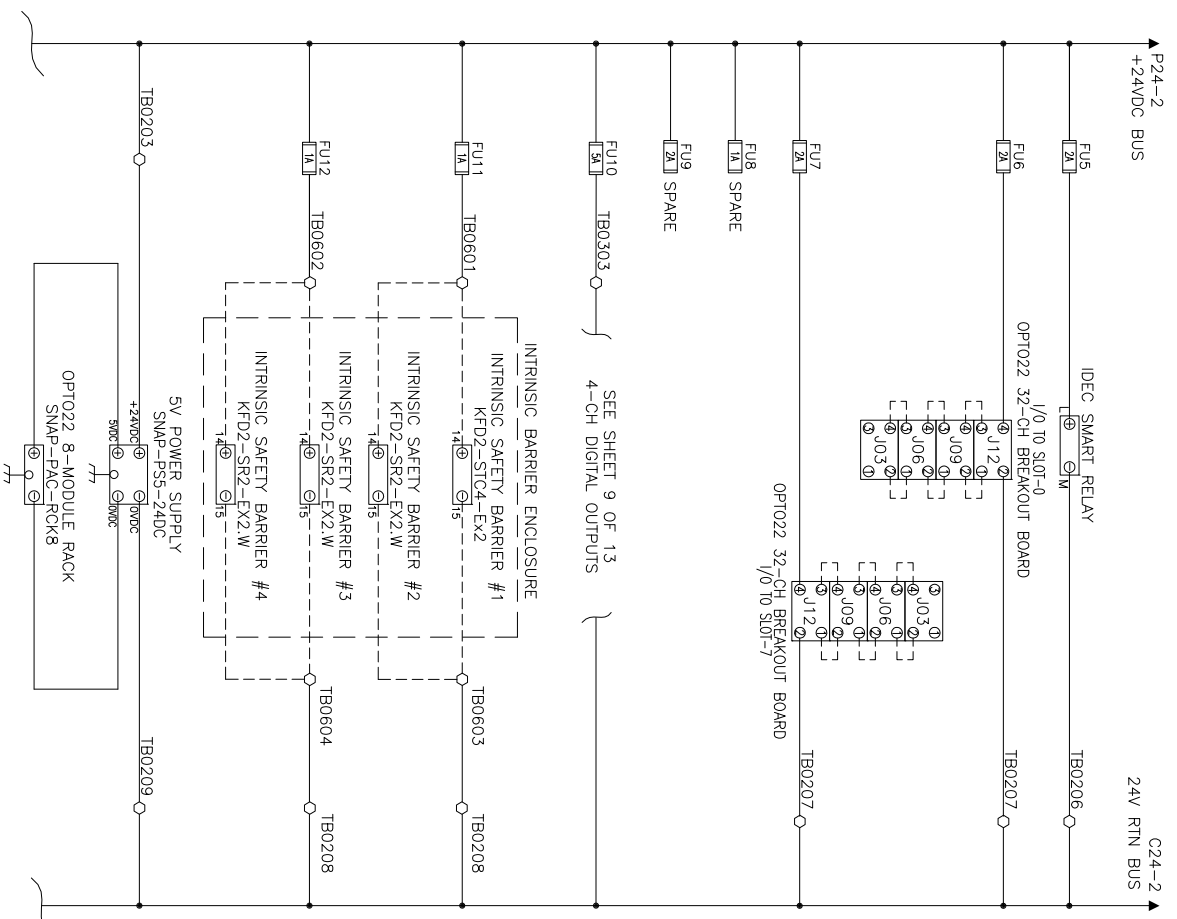
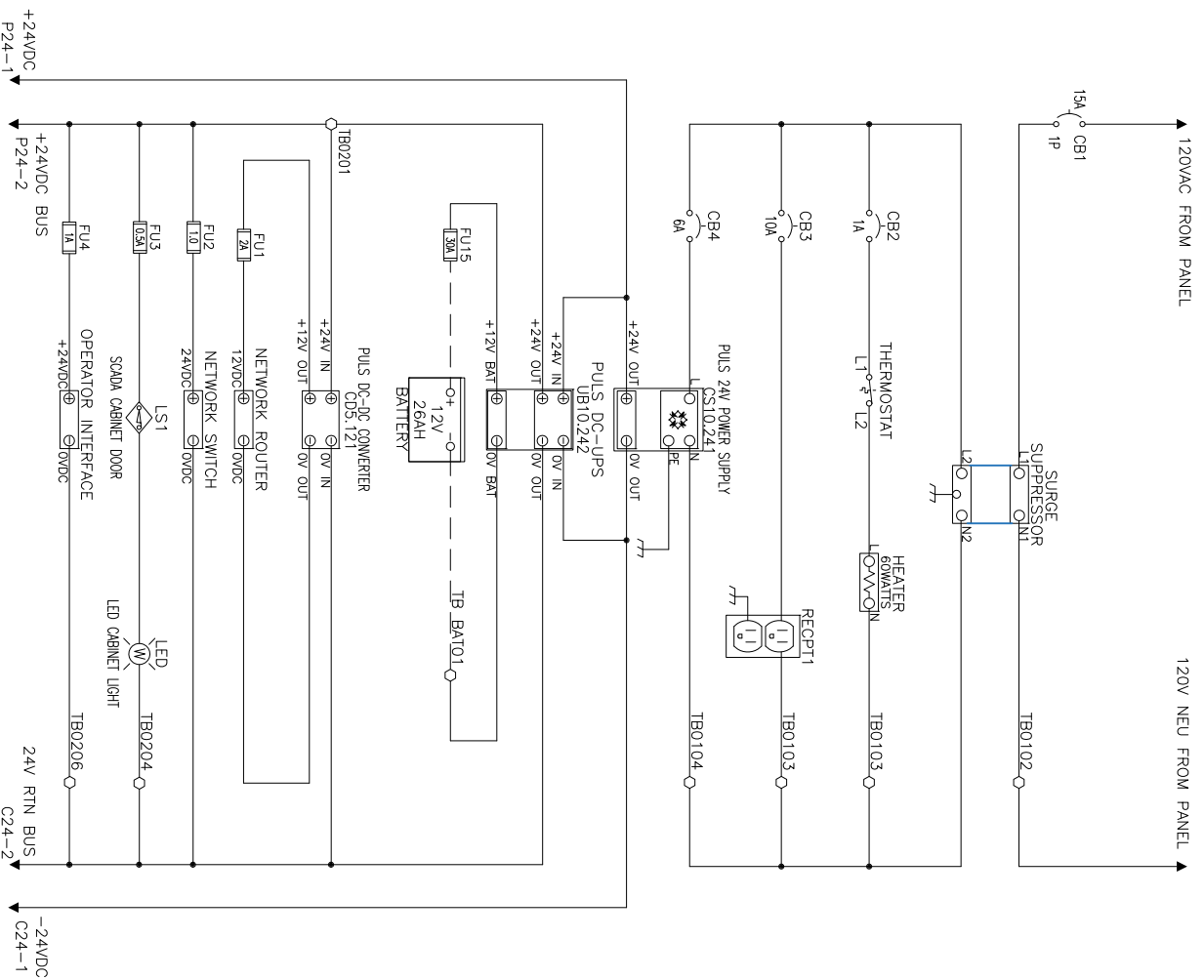
TYPICAL PAC MODULE
ARRANGEMENT
(LARGE PROJECT)



- 0 32 PT DISCRETE INPUT
- 1 ANALOG VOLT INPUT
- 2 ANALOG 4-20mA INPUT
- 3 DISCRETE OUTPUT
- 4 DISCRETE OUTPUT
- 5 MODBUS RS 485
- 6 USE AS NEEDED
- 7 USE AS NEEDED

OPTO22 8 SLOT RACK

TYPICAL PAC MODULE
ARRANGEMENT
(SMALL PROJECT)



WIRING NOTE:

POWER DISTRIBUTION SCHEMATIC SHOWS ONLY THE POWER TERMINALS OF COMPONENTS. FOR MORE DETAILS OF COMPONENTS, SEE MANUFACTURERS' DATASHEETS AND MANUALS.

TYPICAL POWER WIRING DIAGRAM