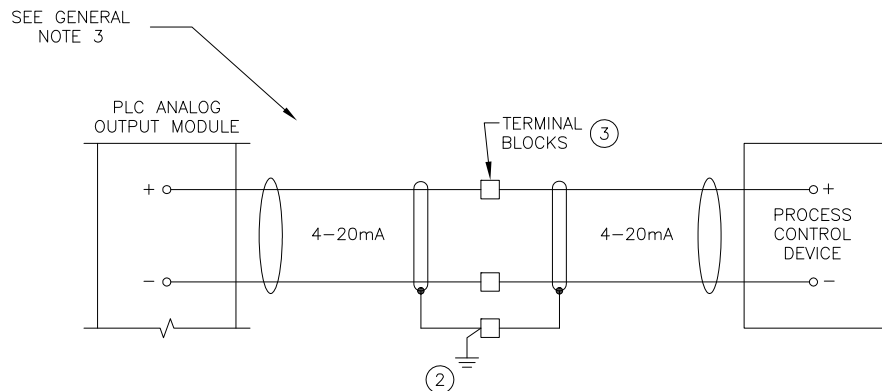


ANALOG INPUTS



ANALOG OUTPUTS

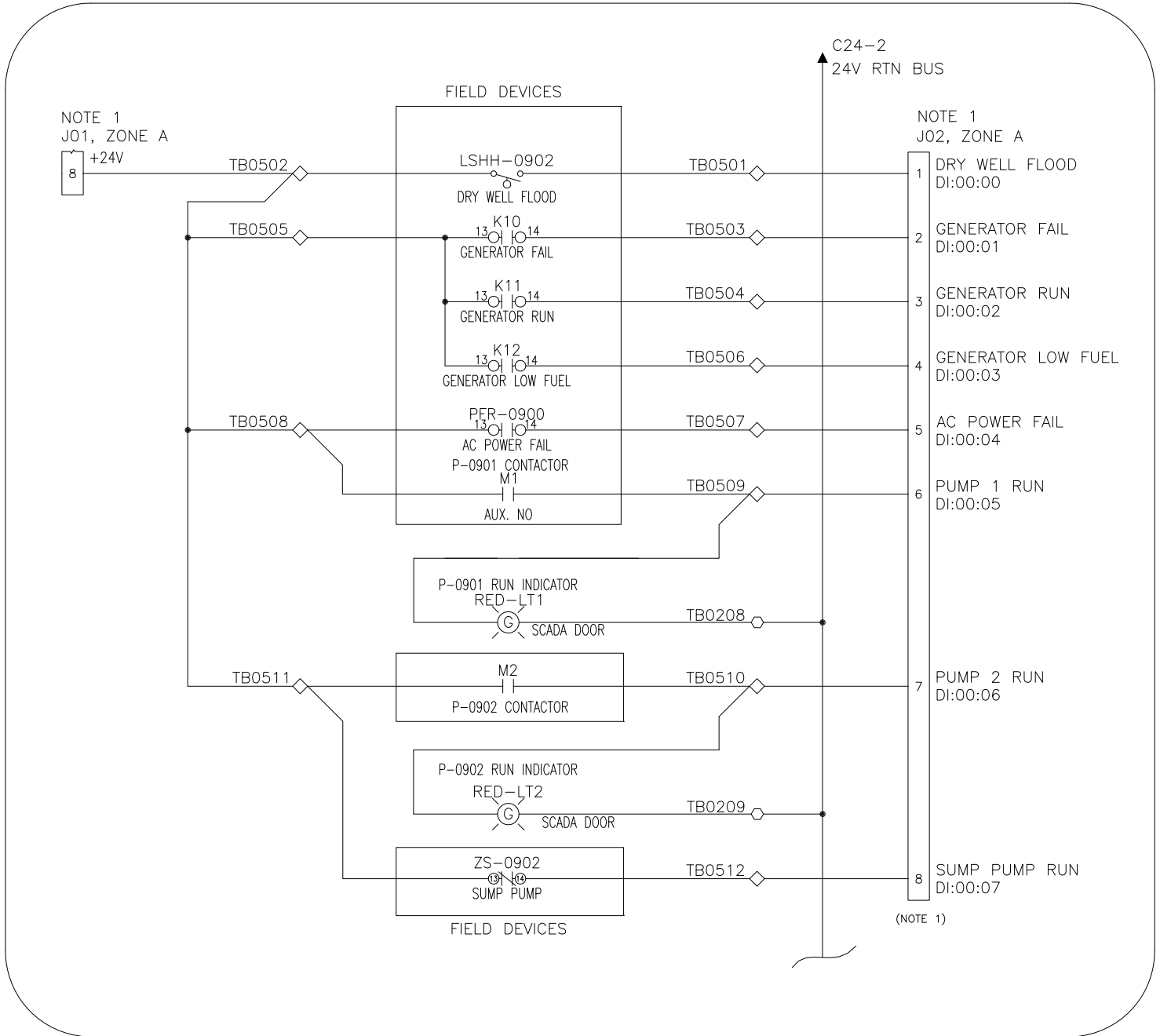
GENERAL NOTES:

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:

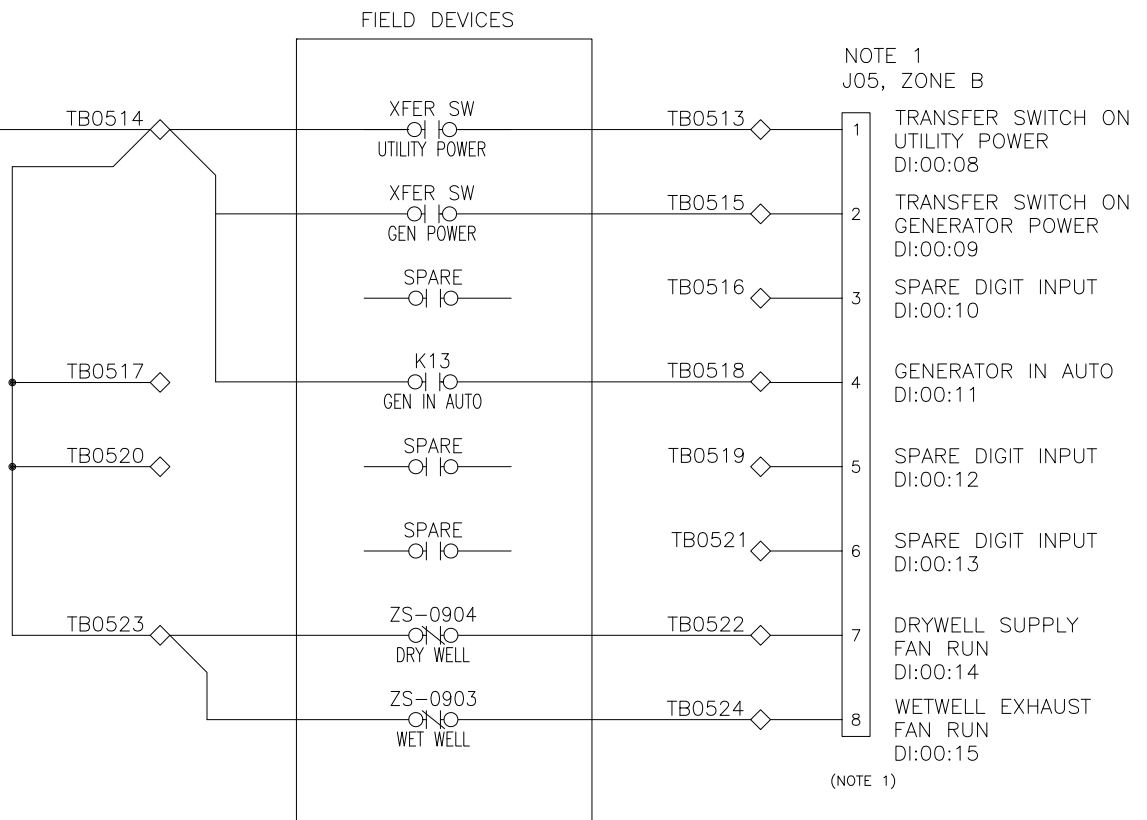
- ① 24VDC CONTROL POWER SUPPLY IN CABINET/PANEL. REFER TO TYPICAL CONTROL CABINET/PANEL POWER DISTRIBUTION SCHEMATIC ON PREVIOUS SHEET AND COMPONENT SPECIFICATIONS.
- ② ALL ANALOG SHIELD'S TO ISOLATED GROUND BUS.
- ③ CONTROL PANEL TERMINAL BLOCKS.

ANALOG WIRING DIAGRAM



DISCRETE INPUT WIRING SHEET 1 OF 4

NOTE 1
J04, ZONE B



NOTE:

- 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

TB0605

NOTE 1
JO7, ZONE C

+24V

8

LSH-0901

HI LEVEL FLOAT

FACTORY CABLE

LSHH-0901

WW OVERFLOW FLOAT

FACTORY CABLE

INTRINSIC SAFETY BARRIER 2
KFD2-SR2-EX2.W

IS2-1

WW HI FLOAT SW

IS2-2

WW OVERFLOW

(NOTE 2)

NOTE 1
JO8, ZONE C

1 WET WELL HIGH FLOAT
DI:00:16

2 WET WELL OVERFLOW
DI:00:17

3 PUMP 1 MOTOR OL
DI:00:18

4 PUMP 1 RVSS FAULT
DI:00:19

5 PUMP 2 MOTOR OL
DI:00:20

6 PUMP 2 RVSS FAULT
DI:00:21

NOTE 1
JO7, ZONE C

+24V

8

MCC P-0901

PUMP 1

MOTOR OVERLOAD

PUMP 1

RVSS FAULT

MCC P-0902

PUMP 2

MOTOR OVERLOAD

PUMP 2

RVSS FAULT

TB0607

TB0608

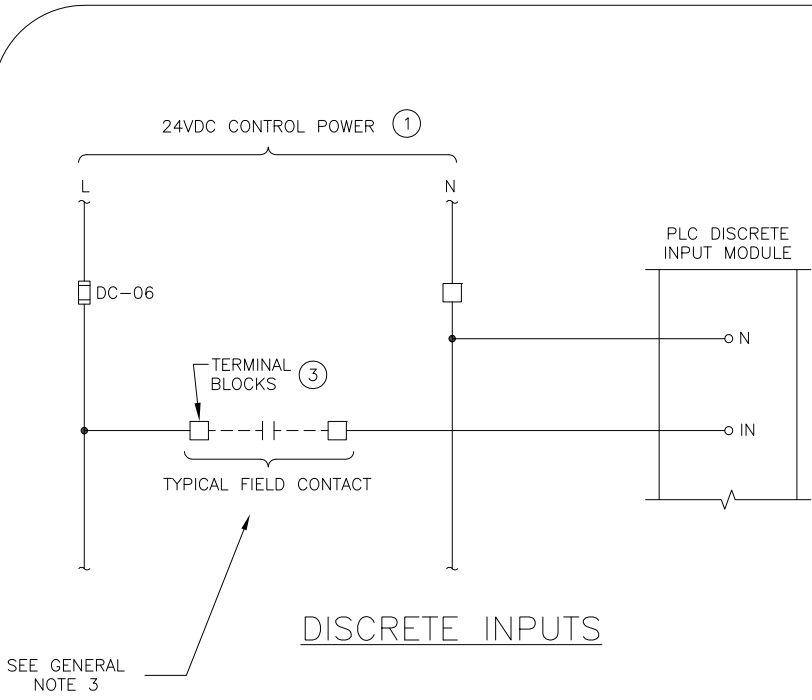
TB0609

TB0610

(NOTE 1)

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

DISCRETE INPUT WIRING SHEET 3 OF 4



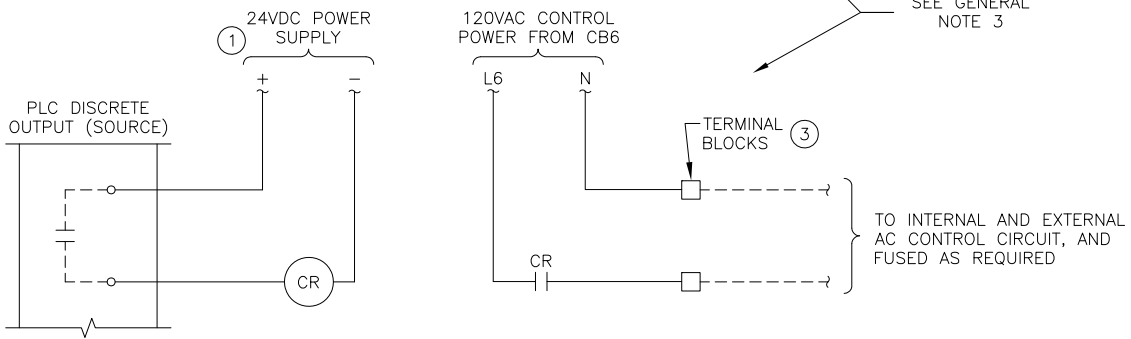
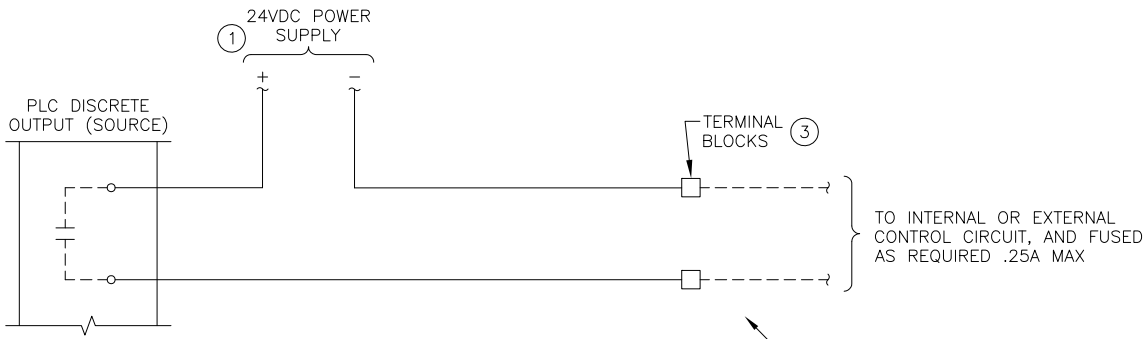
DISCRETE INPUTS

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.

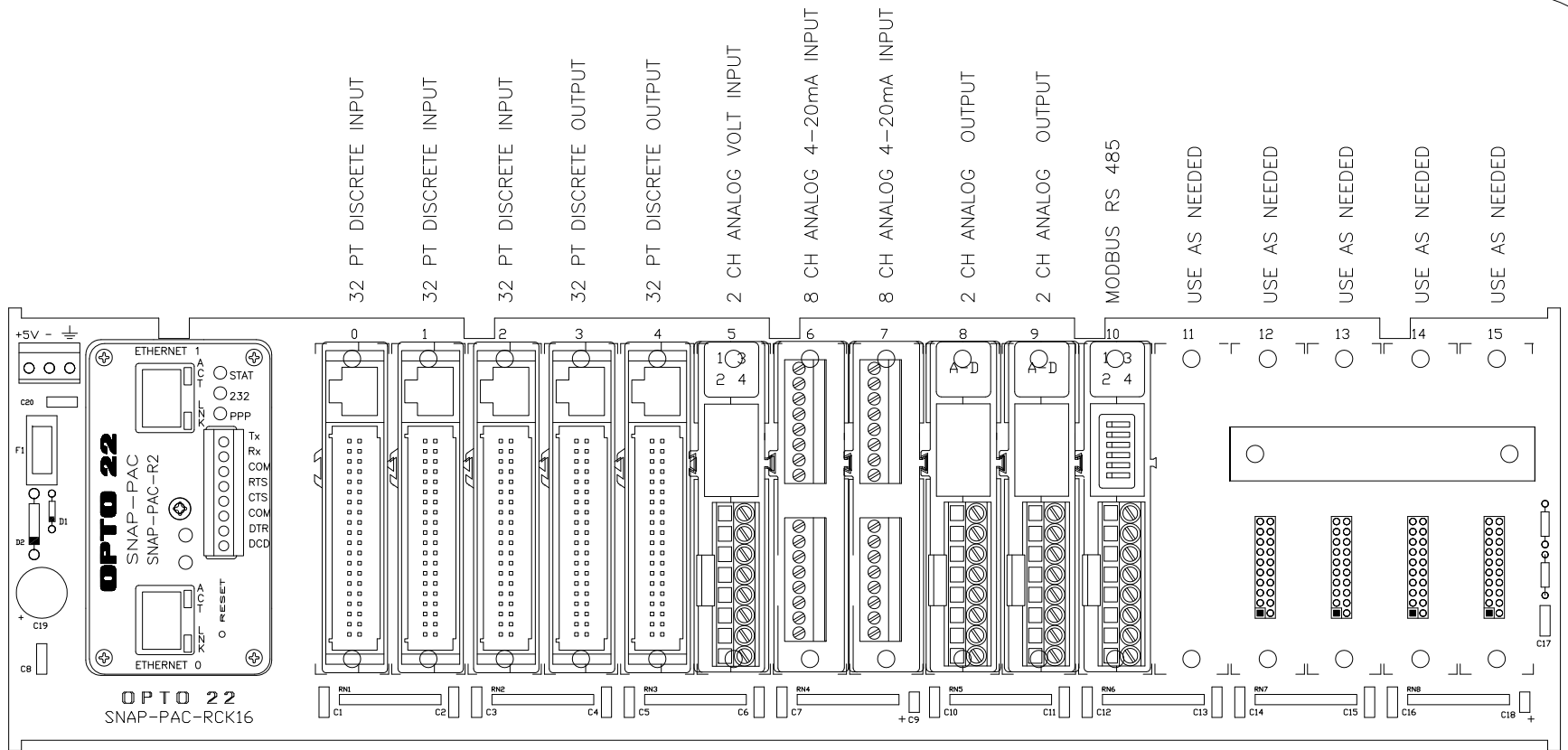
KEYNOTES:

- 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.



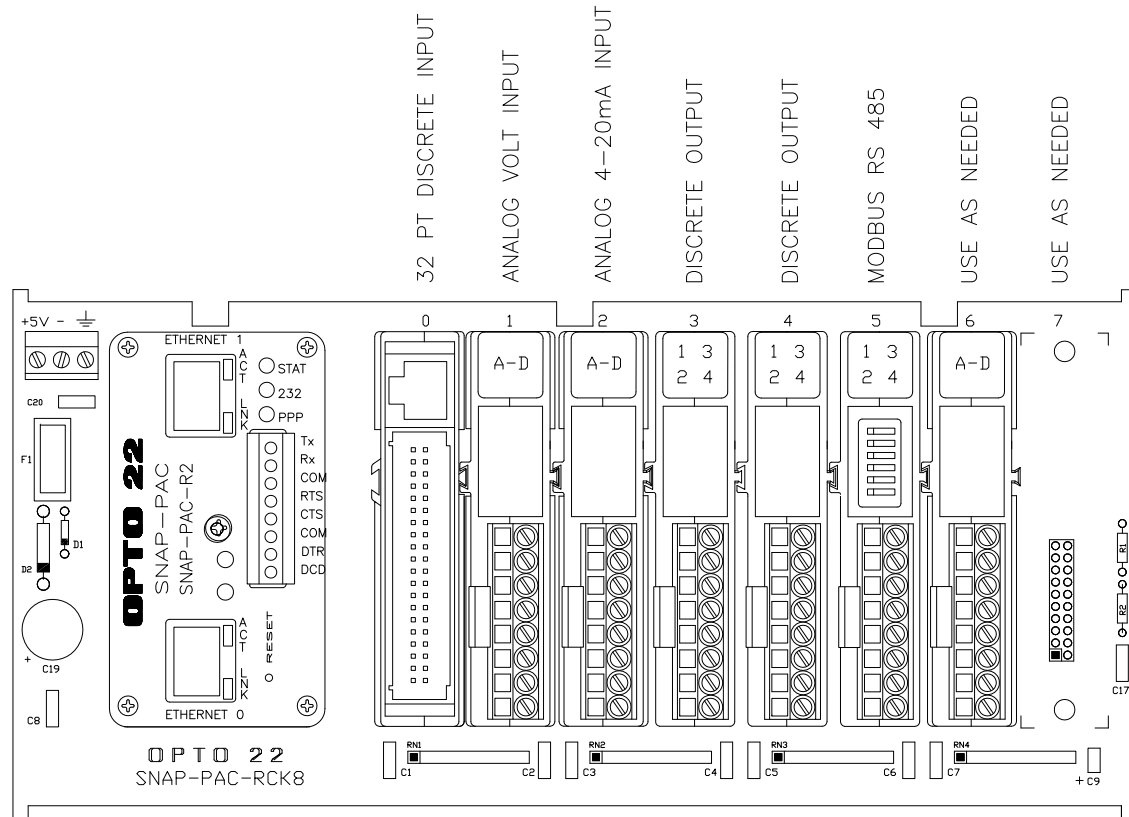
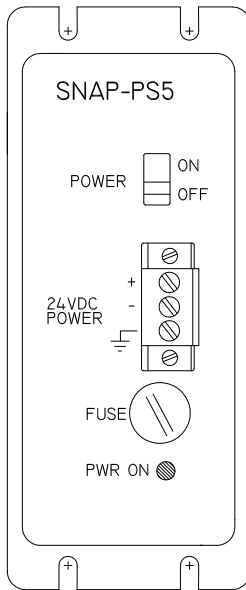
DISCRETE OUTPUTS

DISCRETE WIRING DIAGRAM



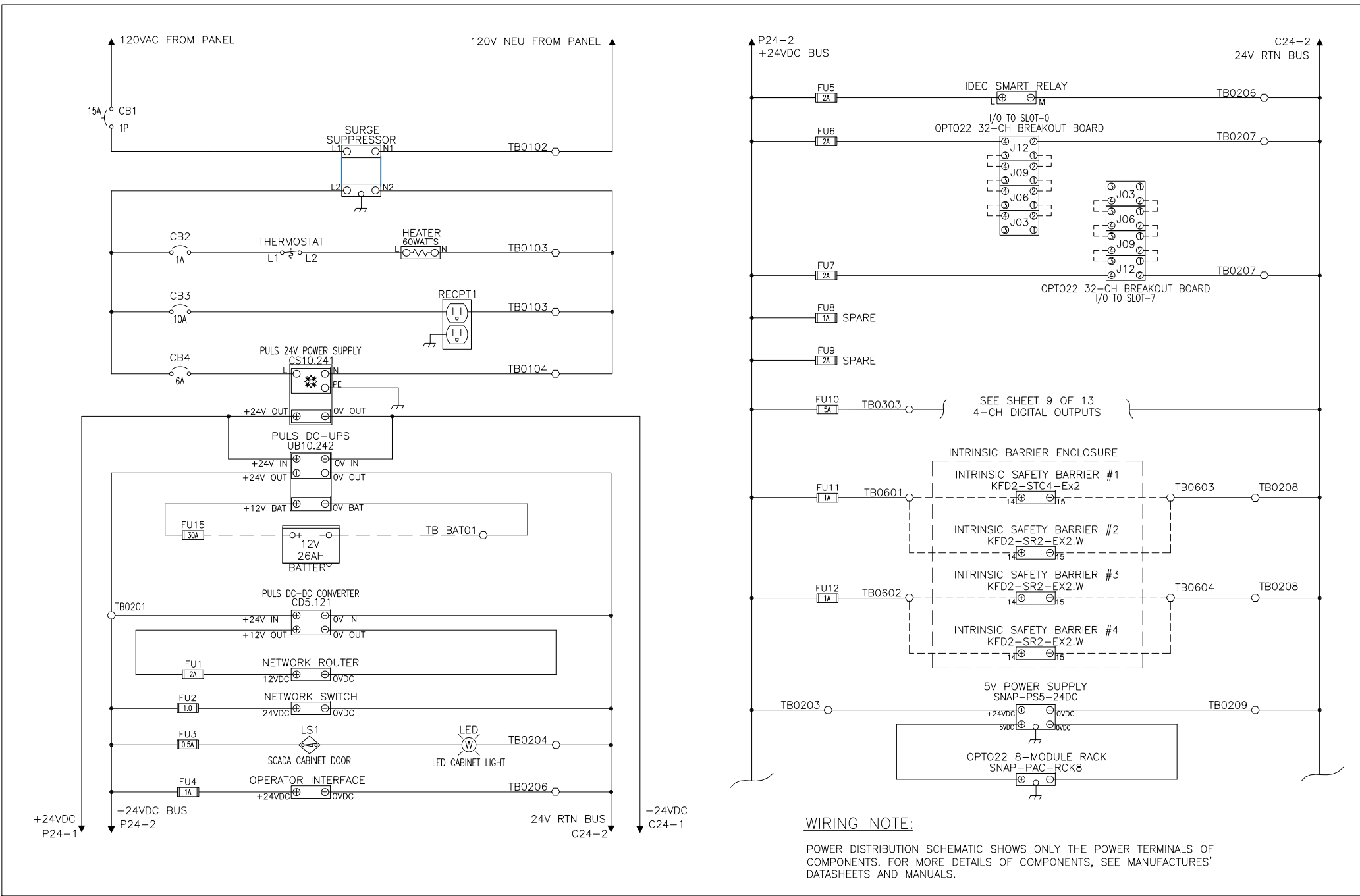
OPTO22 16 SLOT RACK

TYPICAL PAC MODULE
ARRANGEMENT
(LARGE PROJECT)



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