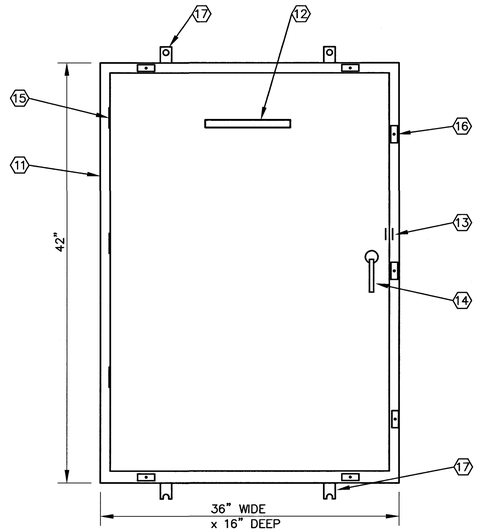
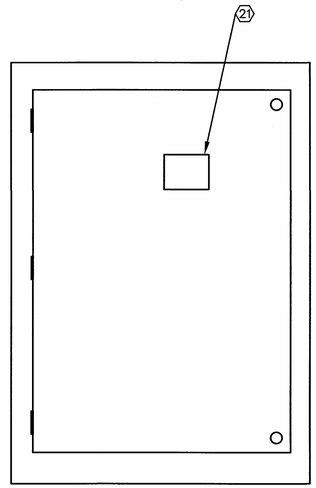
RTU PANEL NOTES

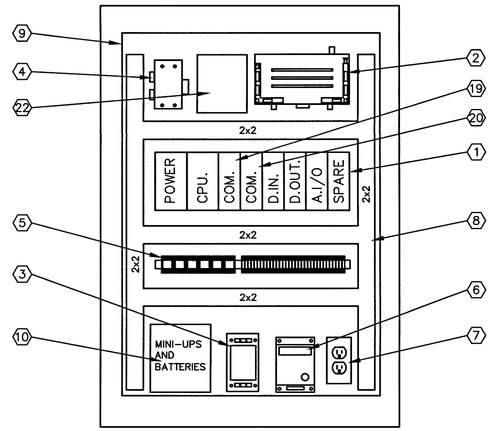
1. PROGRAMMABLE CONTROLLER.
2. RADIO TRANSCEIVER.
3. TRANSIENT VOLTAGE SURGE SURPRESSOR. EDCO # HSP121BT-1RU OR APPROVED EQUAL.
4. 24VDC POWER SUPPLY. SOLA #3LS-24-048T OR APPROVED EQUAL.
5. DIN RAIL MOUNTED ACCESSORIES, TO INCLUDE FUSED TERMINALS, ISOLATING SWITCHES, INTERPOSING RELAYS, ETC.
6. HEATER. HOFFMAN #D-AH2001A OR APPROVED EQUAL.
7. GFI TYPW DUPLEX RECEPTACLE IN HANDY BOX.
8. PLASTIC WIREWAY WITH SNAP-IN COVER.
9. MOUNTING BACK PANEL.
10. 500VA, 20 MINUTES, MINI-UPS.
11. NEMA 4X 316 S.S. INDUSTRIAL ENCLOSURE (OUTDOORS); NEMA 12 PAINTED STEEL INDUSTRIAL ENCLOSURE (INDOORS).
12. ENGRAVED LAMINATE NAMEPLATE.
13. PADLOCK HASP AND STAPLE.
14. FRONT COVER HANDLE (INDOOR MODEL ONLY).
15. HINGE.
16. DOOR CLAMPING HARDWARE (OUTDOOR MODEL ONLY).
17. MOUNTING BRACKETS.
18. TOGGLE SWITCH POWER DISCONNECT.
19. COMMUNICATION CARD FOR RADIO TRANSCEIVER.
20. COMMUNICATION CARD FOR TELEPHONE MODEM (BACK-UP COMMUNICATION WITH WATER PLANT).
21. TOUCHSCREEN PANELVIEW DISPLAY AND OPERATOR INTERFACE.
22. RADIO MODEM.



EXTERIOR PANEL LAYOUT

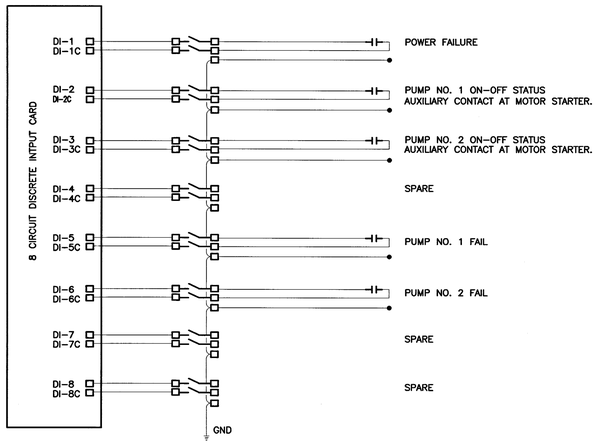


INTERIOR SWING-OUT PANEL LAYOUT



INTERIOR PANEL LAYOUT

REMOTE TELEMETRY UNIT PANEL
NO SCALE



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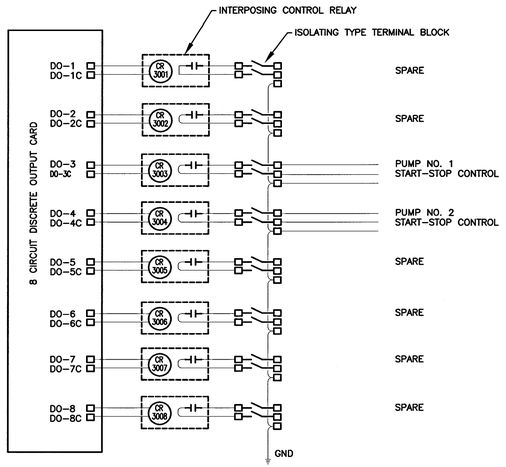

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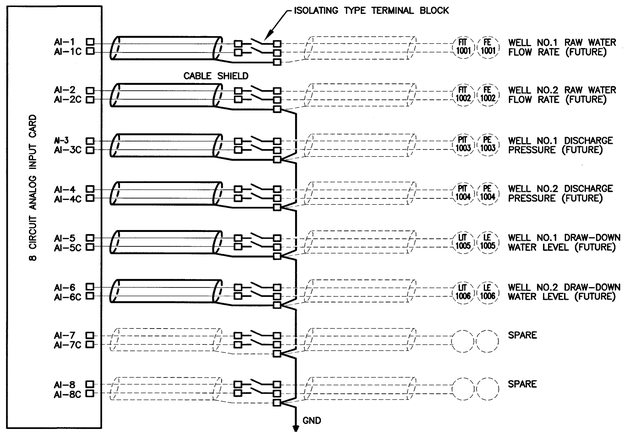

INSTRUMENT I/O SCHEMATIC NO. 1
NO SCALE

NOTES:

**SEE EFI O&M MANUALS FOR REVISIONS.

J. W. SIMS & ASSOCIATES ENGINEERING COMPANY
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NO.	DESCRIPTION	DATE	BY
1	AS-BUILT REVISION	5/2004	GCR

REVISIONS

HOOSIER HILLS REGIONAL WATER DISTRICT
DIVISION "F" WATERWORKS SYSTEM IMPROVEMENTS
CONTRACT F-2

WELLFIELD RTU PANEL DETAILS

GRW PROJECT NO. 2745 JWSA PROJECT NO. 2001-05

JOSEPH W. SIMS REGISTERED NO 860165 STATE OF INDIANA PROFESSIONAL ENGINEER

GRW Engineers, Inc.
Engineers, Architects, Planners
INDIANAPOLIS, INDIANA
LOUISVILLE & LEXINGTON, KENTUCKY
CINCINNATI, OHIO
NASHVILLE, TENNESSEE
ARLINGTON, TEXAS

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APPROVED: JWS	

I:\2745\dwg\SIMS - IDEM Elec Submittal\FINAL SET NO-3 July 3, 2002 Set of Dwgs and Specs\FINAL F2 ELEC DWGS\F2\As-Built_Drawings\F2-E13_REVISED.dwg, 11/15/2004 12:37:52 PM