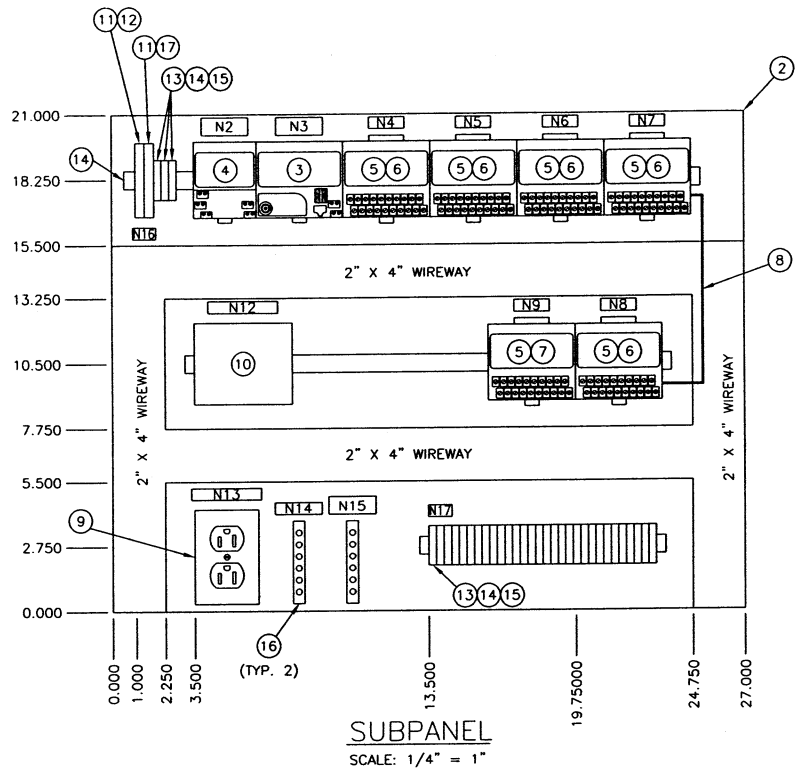
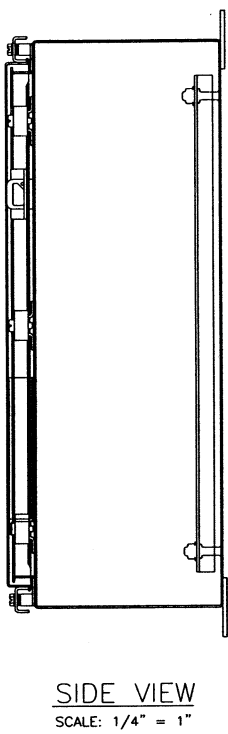


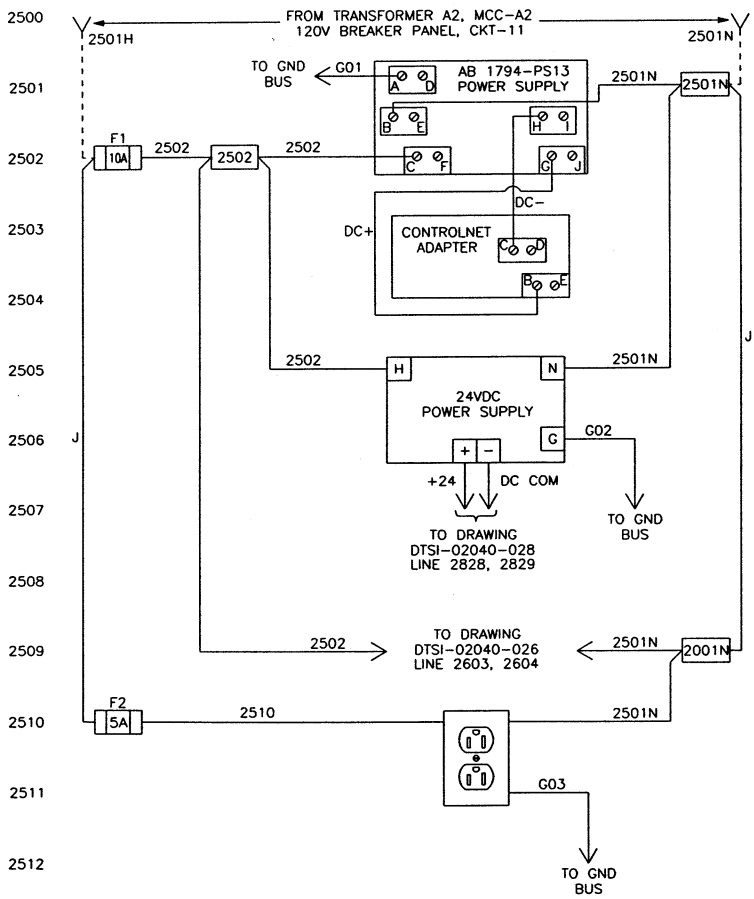
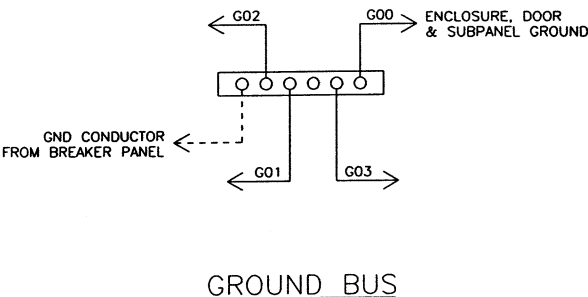
BILL OF MATERIAL			
ITEM	QTY	USED FOR	DESCRIPTION
1	1	ENCLOSURE	HOFFMAN #A-24H30BLP, 24"H X 30"W X 8"D, NEMA 4
2	1	SUBPANEL	HOFFMAN #A-30P24, 21"H X 27"W
3	1	CONTROLNET ADAPTER	ALLEN BRADLEY #1794-ACN15, 8 MODULE CONTROLNET INTERFACE
4	1	POWER SUPPLY	ALLEN BRADLEY #1794-PS13, 120/230VAC INPUT, 1.3A @ 24VDC OUTPUT
5	6	TERMINAL BASE	ALLEN BRADLEY #1794-TBNF, FUSED MODULE
6	5	INPUT MODULE	ALLEN BRADLEY #1794-IAB, 8 POINT NON-ISOLATED DIGITAL INPUT MODULE
7	1	INPUT MODULE	ALLEN BRADLEY #1794-IF4I, 4 POINT ISOLATED ANALOG INPUT MODULE
8	1	EXTENDER CABLE	ALLEN BRADLEY #1794-CE1, 1 FOOT
9	1	RECEPTACLE	HUBBELL #CR5362GY WITH BOX AND COVERPLATE 20 AMPS 125 VOLT GRAY
10	1	POWER SUPPLY	PHOENIX CONTACT #2939247, 120VAC INPUT, 24VDC OUTPUT @ 1.0A
11	2	FUSED TERMINAL	PHOENIX CONTACT #UK 6.3-HESI WITH 2 POS. OR 3 POS BRIDGE, EB2-10 OR EB10-10
12	1	F1	BUSSMAN #AGC-10, 10 AMP FAST-ACTING FUSE, 1/4" X 1 1/4"
13	33	TERMINAL	PHOENIX CONTACT #UK6N
14	LOT	RAIL	PHOENIX CONTACT #NS35 MOUNTING RAIL
15	LOT	END BARRIER	PHOENIX CONTACT #D-UK 4/10
16	1	GND BUS	ILSCO #D167-6, 6 POINT COPPER GND BUS
17	1	F2	BUSSMAN #AGC-5, 5 AMP FAST-ACTING FUSE, 1/4" X 1 1/4"



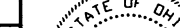
NOTE: LOCATE IN NON-HAZARDOUS
AREA OF SLUDGE PUMP BLDG. NO. 1.

NAMEPLATES WHITE WITH BLACK LETTERING

	QTY	SIZE	LETTER SIZE	MTG. HOLES	LINE 1	LINE 2
N1	1	2" x 16"	1/2"	YES	PRIMARY TREATMENT	REMOTE I/O ENCLOSURE - NODE 2
N2	1	0.75" x 2"	3/16"	NO	CONTROLNET	P.S.
N3	1	0.75" x 2"	3/16"	NO	CONTROLNET	ADAPTER
N4	1	0.5" x 1.5"	3/16"	NO	SLOT 0	
N5	1	0.5" x 1.5"	3/16"	NO	SLOT 1	
N6	1	0.5" x 1.5"	3/16"	NO	SLOT 2	
N7	1	0.5" x 1.5"	3/16"	NO	SLOT 3	
N8	1	0.5" x 1.5"	3/16"	NO	SLOT 4	
N9	1	0.5" x 1.5"	3/16"	NO	SLOT 5	
N10	0	0.5" x 1.5"	3/16"	NO	SLOT 6	
N11	0	0.5" x 1.5"	3/16"	NO	SLOT 7	
N12	1	0.5" x 3"	3/16"	NO	DC POWER SUPPLY	
N13	1	0.5" x 2"	3/16"	NO	RECEPTACLE	
N14	1	0.5" x 2"	3/16"	NO	GND BUS	
N15	1	0.75" x 2"	3/16"	NO	ISOLATED	GND BUS
N16	1	0.5" x 1"	3/16"	NO	TB1	
N17	1	0.5" x 1"	3/16"	NO	TB2	



WIRING SCHEMATIC

WIRE LUGS - NO ☒ YES ☐ INSULATION: NYLON ☐ PVC ☒		RING ☐ LOCKING SPADE ☐							
WIRE SPECIFICATIONS: USAGE:		SIZE:		COLOR:		INSULATION:		TOLERANCES:	
AC PANEL POWER		AWG #12		BLK.		THW/THHN		CITY OF MASSILLON, OHIO	
AC PANEL NEUTRAL		AWG #12		WHI.		THW/THHN		REGIONAL WASTEWATER TREATMENT PLANT - UPGRADE 2000	
AC PANEL GROUND		AWG #12		GRN.		THW/THHN		SCALE:	
AC CONTROL POWER		AWG #14		RED		THW/THHN		NONE	
AC CONTROL NEUTRAL		AWG #14		WHI.		THW/THHN		DRAWN BY <i>HR</i>	
AC FOREIGN		AWG #14		YELLOW		THW/THHN		APPROVED BY <i>BS</i>	
DC POWER		AWG #16		BLUE		THW/THHN		TITLE: TRANS A2 NODE 2 PRIMARY TREATMENT	
DC CONTROL		AWG #16		BLUE		THW/THHN		PANEL LAYOUT, BILL OF MATERIAL & WIRING SCHEMATIC	
SIGNAL INSTRUMENTS		AWG #16		2 CONDUCTOR SHLD		THW/THHN		DATE: 4/09/02	
05/20/03 12:29								DRAWING NUMBER: DTSI - 02040 - 025	
DUBLIN TECHNICAL SYSTEMS INC. PROJECT # 02040						FRACTIONAL: 1/32" ANGULAR: 1"			