

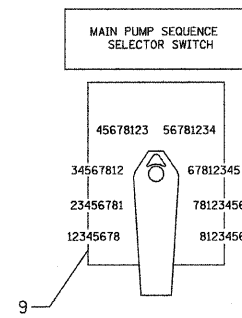
MAIN PUMP 1 FAILURE 1	MAIN PUMP 1 OVERLOAD 2	MAIN PUMP 1 OVERTEMP/MOISTURE 3	LOW FLOW PUMP 9 FAILURE 4	LOW FLOW PUMP 9 OVERLOAD 5	LOW FLOW PUMP 9 OVERTEMP/MOISTURE 6	COMBUSTIBLE GAS ALARM 7
MAIN PUMP 2 FAILURE 8	MAIN PUMP 2 OVERLOAD 9	MAIN PUMP 2 OVERTEMP/MOISTURE 10	LOW FLOW PUMP 10 FAILURE 11	LOW FLOW PUMP 10 OVERLOAD 12	LOW FLOW PUMP 10 OVERTEMP/MOISTURE 13	FIRE ALARM 14
MAIN PUMP 3 FAILURE 15	MAIN PUMP 3 OVERLOAD 16	MAIN PUMP 3 OVERTEMP/MOISTURE 17	HIGH WATER LEVEL 19.5' ABOVE WET PIT FLR 18	5KV SWGR ATO FAILURE 19	PURGE AIR LOW PRESSURE 20	INTRUSION ALARM 21
MAIN PUMP 4 FAILURE 22	MAIN PUMP 4 OVERLOAD 23	MAIN PUMP 4 OVERTEMP/MOISTURE 24	LOW WATER LEVEL 4' BELOW WET PIT FLR 25	INC LINE 1 NORM SOURCE PWR FAILURE 26	NORTH PUMPS JCT BOXES PURGE ALARM 27	FLOAT FAILURE 28
MAIN PUMP 5 FAILURE 29	MAIN PUMP 5 OVERLOAD 30	MAIN PUMP 5 OVERTEMP/MOISTURE 31	BAR SCREEN CLOGGED 32	INC LINE 2 EMER SOURCE PWR FAILURE 33	SOUTH PUMPS JCT BOXES PURGE ALARM 34	VALVE/GATE IN NON-DISCHARGE MODE 35
MAIN PUMP 6 FAILURE 36	MAIN PUMP 6 OVERLOAD 37	MAIN PUMP 6 OVERTEMP/MOISTURE 38	DISCHARGE CHAMBER FLOODED 39	SCADA PANEL POWER FAILURE 40	LF PUMPS JCT BOXES PURGE ALARM 41	CENTRAL PUMP TEST 42
MAIN PUMP 7 FAILURE 43	MAIN PUMP 7 OVERLOAD 44	MAIN PUMP 7 OVERTEMP/MOISTURE 45	PRIMARY BUBBLER FAILURE 46	SCADA PANEL ALARM 47	SPARE 48	SPARE 49
MAIN PUMP 8 FAILURE 50	MAIN PUMP 8 OVERLOAD 51	MAIN PUMP 8 OVERTEMP/MOISTURE 52	SECONDARY BUBBLER FAILURE 53	5KV SWGR ATO UPS FAILURE 54	SPARE 55	CSM MODULE 56

DETAIL A

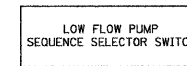
ITEM	NAMEPLATE SCHEDULE
A	CONTROL PANEL
B	ALARM PANEL
C	SCADA PUMP CALL, FEET ABOVE WET PIT FLOOR
D	FLOAT PUMP CALL, FEET ABOVE WET PIT FLOOR
E	STANDBY PUMP CALL
F	LAG6 PUMP CALL
G	LAG 5 PUMP CALL
H	LAG 4 PUMP CALL
I	LAG 3 PUMP CALL
J	LAG 2 PUMP CALL
K	LAG 1 PUMP CALL
L	LEAD PUMP CALL
M	LEAD LOW FLOW PUMP CALL
N	LAG LOW FLOW PUMP CALL
O	ALARM ACKNOWLEDGE
P	LAMP TEST
Q	MAIN PUMP SEQUENCE SELECTOR SWITCH (SEE DETAIL B)
R	LOW FLOW PUMP SEQUENCE SELECTOR SWITCH (SEE DETAIL C)

ITEM	NAMEPLATE SCHEDULE
E1	15.5 FEET
E2	16.0 FEET
F1	14.5 FEET
F2	15.0 FEET
G1	13.5 FEET
G2	14.0 FEET
H1	12.5 FEET
H2	13.0 FEET
I1	11.5 FEET
I2	12.0 FEET
J1	10.5 FEET
J2	11.0 FEET
K1	9.5 FEET
K2	10.0 FEET
L1	8.5 FEET
L2	9.0 FEET
M1	6.5 FEET
M2	7.5 FEET
N1	5.5 FEET
N2	6.5 FEET

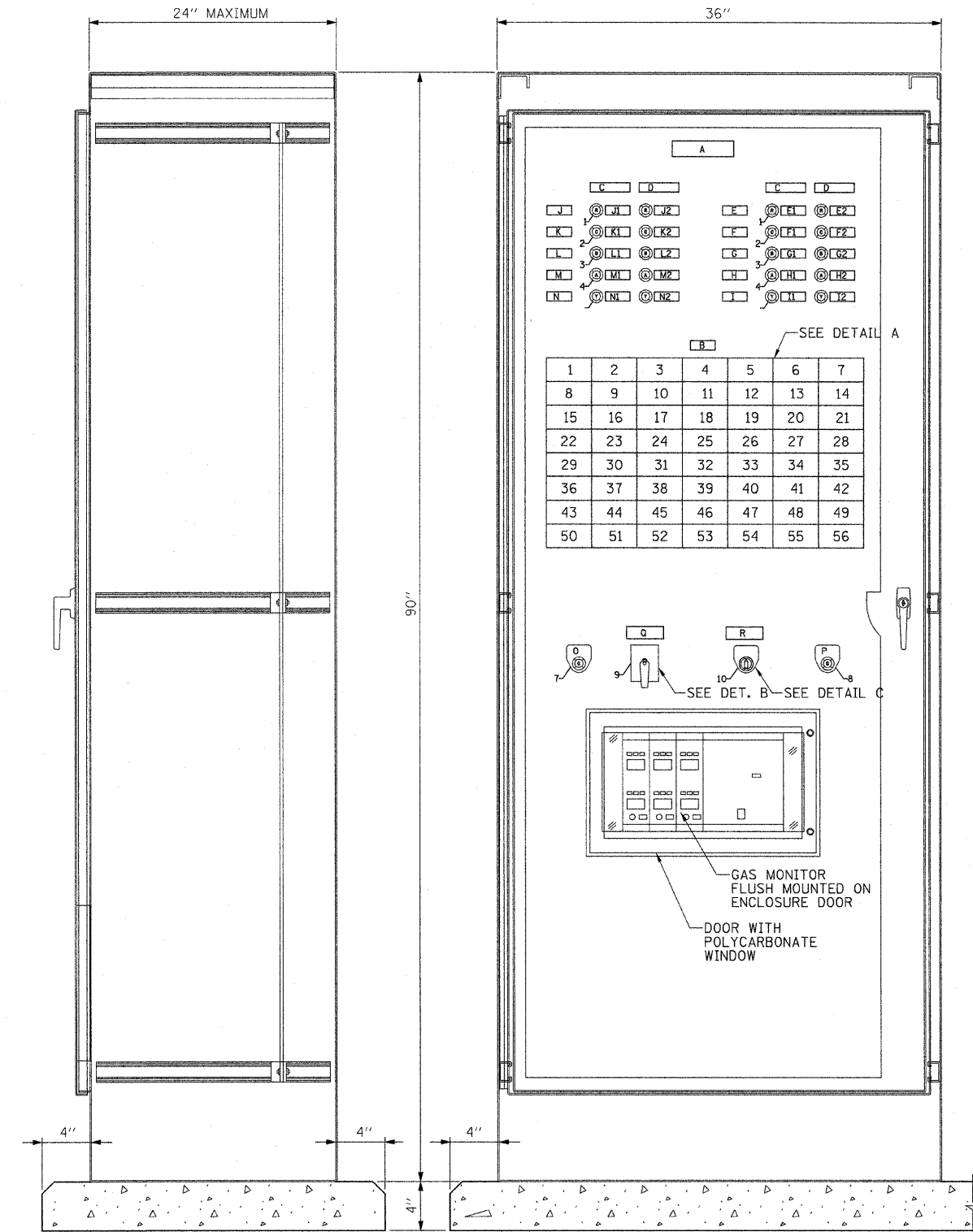
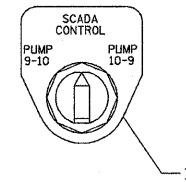
DEVICE LEGEND		
ITEM	DEVICE DESCRIPTION	DEVICE COLOR
1	INDICATING LIGHT	RED
2	INDICATING LIGHT	CLEAR
3	INDICATING LIGHT	BLUE
4	INDICATING LIGHT	AMBER
5	INDICATING LIGHT	YELLOW
6	INDICATING LIGHT	WHITE
7	PUSH BUTTON	YELLOW
8	PUSH BUTTON	GREEN
9	8 POSITION SELECTOR SWITCH	BLACK
10	3 POSITION SELECTOR SWITCH	BLACK



DETAIL B



DETAIL C



SIDE VIEW - PANEL REMOVED

CONTROL PANEL - FRONT VIEW

NOTE:
THE CONTROL PANEL SHALL BE OF SUFFICIENT DEPTH TO ACCOMMODATE THE GAS MONITOR, ANNUNCIATOR AND OTHER DEVICES. PROPER CLEARANCE SHALL BE PROVIDED BETWEEN DOOR MOUNTED DEVICES AND PANEL MOUNTED DEVICES.
DOOR PANEL SHALL BE STIFFENED AROUND CUTOUTS AS REQUIRED

E22

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 27
REHABILITATION

CONTROL PANEL
EQUIPMENT LAYOUT SH. 1

SCALE: N/A

DATE: 04-23-10

DRAWN BY: MS

CHECKED BY: MS