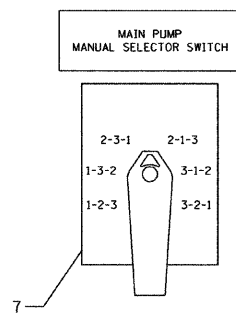


MAIN PUMP 1 FAILURE	MAIN PUMP 2 FAILURE	MAIN PUMP 3 FAILURE	LOW FLOW PUMP 4 FAILURE	EMERGENCY GENERATOR FAILURE
1	2	3	4	31
MAIN PUMP 1 OVERLOAD	MAIN PUMP 2 OVERLOAD	MAIN PUMP 3 OVERLOAD	LOW FLOW PUMP 4 OVERLOAD	SPARE
7	8	9	10	6
MAIN PUMP 1 OVERTEMP/MOISTURE	MAIN PUMP 2 OVERTEMP/MOISTURE	MAIN PUMP 3 OVERTEMP/MOISTURE	LOW FLOW PUMP 4 OVERTEMP/MOISTURE	SECONDARY BUBBLER FAILURE
11	12	13	14	15
HIGH WATER LEVEL 13.9' ABOVE WET PIT FLR	LOW WATER LEVEL 3' ABOVE WET PIT FLR	HIGH SUMP LEVEL	DISCHARGE CHAMBER FLOODED	PRIMARY BUBBLER FAILURE
35	34	33	19	20
TRANSFER SWITCH FAILURE	UTILITY PWR FAILURE	ALARM BUZZER	SCADA PANEL POWER FAILURE	SCADA PANEL ALARM
21	22	23	24	25
FIRE ALARM	INTRUSION ALARM	FLOAT FAILURE	VALVE/GATE IN NON-DISCHARGE MODE	CENTRAL PUMP TEST
26	27	28	29	30
PAVEMENT FLOODED	SPARE	GAS MONITOR FAILURE	DISCHARGE CHAMBER BUBBLER FAILURE	COMBUSTIBLE GAS PRESENT
5	16	17	18	32

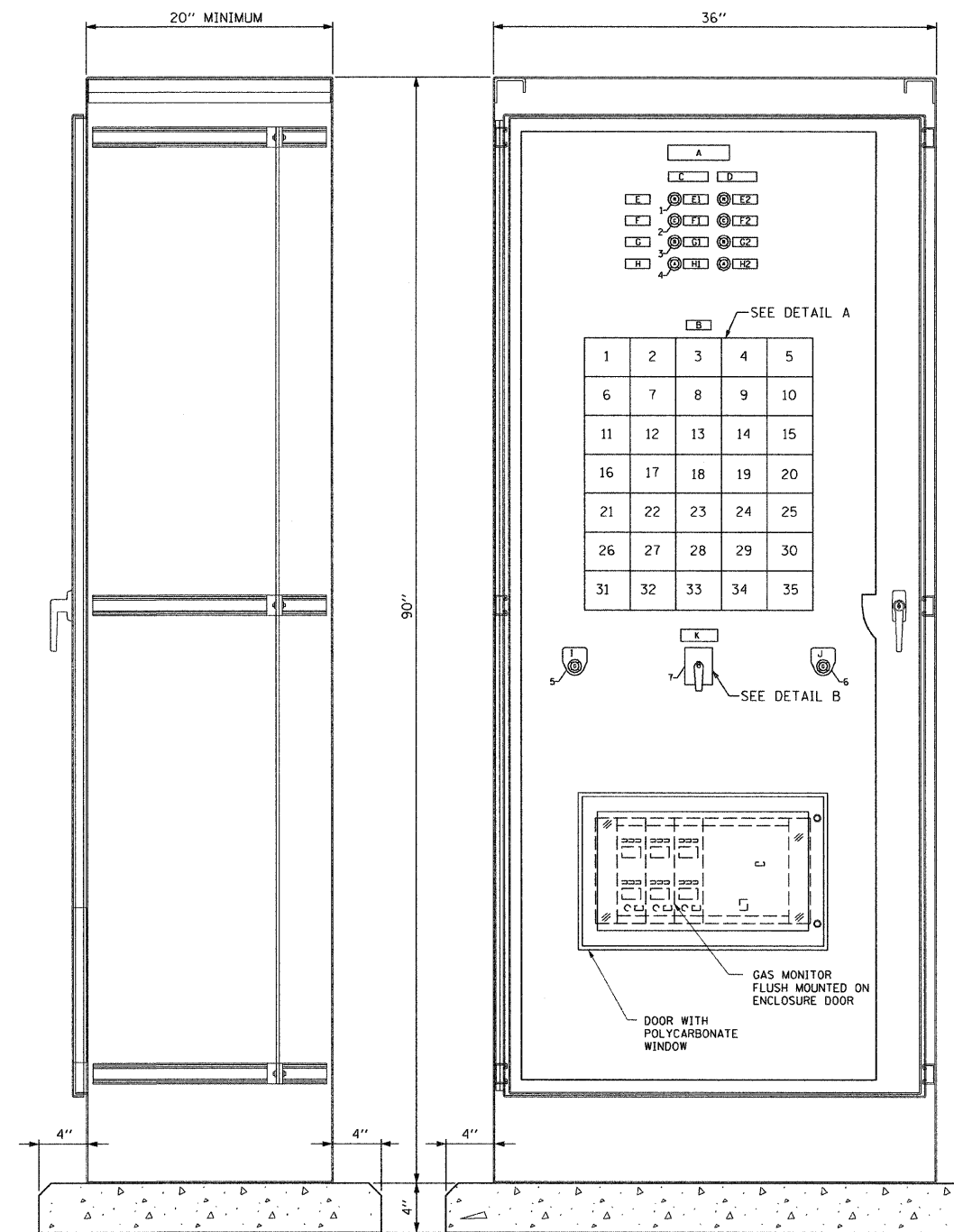
**DETAIL A**



**DETAIL B**

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

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	LAG PUMP CALL
G	LEAD PUMP CALL
H	LOW FLOW PUMP CALL
I	ALARM ACKNOWLEDGE
J	LAMP TEST
K	MAIN PUMP MANUAL SELECTOR SWITCH (SEE DETAIL B)
E1	8.5 FEET
E2	9.0 FEET
F1	8.0 FEET
F2	8.5 FEET
G1	7.5 FEET
G2	8.0 FEET
H1	3.0 FEET
H2	4.0 FEET



**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.

E13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 48  
REHABILITATION

CONTROL PANEL  
EQUIPMENT LAYOUT SHEET -1

SCALE: N/A  
DATE: 03-10-11

DRAWN BY: HFF  
CHECKED BY: MS