I/O CARD 1	DESCRIPTION	I/O CARD 4	DESCRIPTION
0	G-9001 READY	0	WF-101 IN AUTO
1	G-9001 CLOSED	1	WF-101 RUNNING
2	G-9001 OPENED	2	WF-101 FAULTED
3	G-9002 READY	3	WF-102 IN AUTO
4	G-9002 CLOSED	4	WF-102 RUNNING
5	G-9002 OPENED	5	WF-102 FAULTED
6	SC-9001 IN AUTO	6	WF-103 IN AUTO
7	SC-9001 RUNNING	7	WF-103 RUNNING
8	SC-9001 FAULTED	8	WF-103 FAULTED
9	SC-9001 E-STOPPED	9	WF-104 IN AUTO
10	SC-9101 IN AUTO	10	WF-104 RUNNING
11	SC-9101 RUNNING	11	WF-104 FAULTED
12	SC-9101 FAULTED	12	HOPPER 1 COMBUSTIBLE GAS ALARM
13	SC-9101 E-STOPPED	13	HOPPER 2 COMBUSTIBLE GAS ALARM
14	UPS ON BATTERY	14	–
15	UPS BATTERY LOW	15	–
I/O CARD 2	DESCRIPTION	I/O CARD 5	DESCRIPTION
0	SC-9201 IN AUTO	0	DF-201 IN AUTO
1	SC-9201 RUNNING	1	EF-201 RUNNING
2	SC-9201 FAULTED	2	DF-201 FAULTED
3	SC-9201 E-STOPPED	3	DF-202 IN AUTO
4	TDC-9001 IN AUTO	4	DF-202 RUNNING
5	TDC-9001 RUNNING	5	DF-202 FAULTED
6	TDC-9001 FAULTED	6	VBF-9001 READY
7	TDC-9001 E-STOPPED	7	VBF-9001 OPENED
8	TDC-9101 IN AUTO	8	VBF-9001 CLOSED
9	TDC-9101 RUNNING	9	VBF-9002 READY
10	TDC-9101 FAULTED	10	VBF-9002 OPENED
11	TDC-9101 E-STOPPED	11	VBF-9002 CLOSED
12	TDC-9201 IN AUTO	12	VBF-9003 READY
13	TDC-9201 RUNNING	13	VBF-9003 OPENED
14	TDC-9201 FAULTED	14	VBF-9003 CLOSED
15	TDC-9201 E-STOPPED	15	–
I/O CARD 3	DESCRIPTION	I/O CARD 6	DESCRIPTION
0	MAU-101 IN AUTO	0	VBF-9004 READY
1	MAU-101 RUNNING	1	VBF-9004 OPENED
2	MAU-101 FAULTED	2	VBF-9004 CLOSED
3	MAU-101 MISC 1	3	VBF-9005 READY
4	MAU-101 MISC 2	4	VBF-9005 OPENED
5	MAU-101 MISC 3	5	VBF-9005 CLOSED
6	MAU-201 RUNNING	6	VBF-9006 READY
7	MAU-201 FAULTED	7	VBF-9006 OPENED
8	WF-201 IN AUTO	8	VBF-9006 CLOSED
9	WF-201 RUNNING	9	VBF-9007 READY
10	WF-201 FAULTED	10	VBF-9007 OPENED
11	WF-202 IN AUTO	11	VBF-9007 CLOSED
12	WF-202 RUNNING	12	VBF-9008 READY
13	WF-202 FAULTED	13	VBF-9008 OPENED
14	DRYER HIGH BAY LIGHTING ON	14	VBF-9008 CLOSED
15	DRYER EXTERIOR LIGHTING ON	15	–

DISCRETE INPUTS

DETAIL D
N.T.S. –

I/O CARD 10	DESCRIPTION
0	G-9001 CLOSE
1	G-9001 OPEN
2	G-9002 CLOSE
3	G-9002 OPEN
4	SC-9001 CALL
5	SC-9101 CALL
6	SC-9201 CALL
7	TDC-9001 CALL
8	TDC-9101 CALL
9	TDC-9201 CALL
10	WF-201 CALL
11	WF-202 CALL
12	MAU-101 CALL
13	AIR CHANGES GREEN
14	AIR CHANGES YELLOW
15	AIR CHANGES RED
I/O CARD 11	DESCRIPTION
0	WF-101 CALL
1	WF-102 CALL
2	WF-103 CALL
3	WF-104 CALL
4	DF-201 CALL
5	DF-202 CALL
6	HIGH BAY LIGHTING CALL
7	EXTERIOR LIGHTING CALL
8	VBF-9001 OPEN COMMAND
9	VBF-9001 CLOSE COMMAND
10	VBF-9002 OPEN COMMAND
11	VBF-9002 CLOSE COMMAND
12	VBF-9003 OPEN COMMAND
13	VBF-9003 CLOSE COMMAND
14	VBF-9004 OPEN COMMAND
15	VBF-9004 CLOSE COMMAND
I/O CARD 12	DESCRIPTION
0	VBF-9005 OPEN COMMAND
1	VBF-9005 CLOSE COMMAND
2	VBF-9006 OPEN COMMAND
3	VBF-9006 CLOSE COMMAND
4	VBF-9007 OPEN COMMAND
5	VBF-9007 CLOSE COMMAND
6	VBF-9008 OPEN COMMAND
7	VBF-9008 CLOSE COMMAND
8	STACK LIGHT HORN
9	STACK LIGHT GREEN LIGHT
10	STACK LIGHT YELLOW LIGHT
11	STACK LIGHT RED LIGHT
12	–
13	–
14	–
15	–

DISCRETE OUTPUTS

DETAIL E
N.T.S. –

I/O CARD 13	DESCRIPTION
0	BOILER 1 GAS FLOW
1	BOILER 2 GAS FLOW
2	AIT-10000147 COMBUSTIBLE GAS DETECT
3	AIT-20000147 COMBUSTIBLE GAS DETECT
4	–
5	–
6	–
7	–
I/O CARD 14	DESCRIPTION
0	–
1	–
2	–
3	–
4	–
5	–
6	–
7	–

ANALOG INPUTS

DETAIL F
N.T.S. –

I/O CARD 16	DESCRIPTION
0	SC-9001 SPEED REF
1	SC-9101 SPEED REF
2	SC-9201 SPEED REF
3	TDC-9001 SPEED REF
4	TDC-9101 SPEED REF
5	TDC-9201 SPEED REF
6	MAU-101 SPEED REF
7	–
I/O CARD 17	DESCRIPTION
0	–
1	–
2	–
3	–
4	–
5	–
6	–
7	–

ANALOG OUTPUTS

DETAIL G
N.T.S. –

1"
ONE INCH
AT FULL SIZE
IF NOT ONE INCH
SCALE ACCORDINGLY

REVISION	DATE

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STATE OF ARKANSAS PROFESSIONAL ENGINEER No. 9686 Scott Bowen 8/26/24

HAWKINS WEIR ENGINEERS, INC.
BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II

CONTROL PANEL PLC-20
I/O LAYOUT

FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: NTS
DESIGNED BY: LSM
DRAWN BY: LSM
HWEI NO.: 2020043
FILENAME: IA-16

SHEET NO.
IA-16

Z:\20\2020043 ROGERS SOLIDS HANDLING IMPROVEMENTS, PH 2\DRAWINGS\CONSTRUCTION DRAWINGS\WWTP\IA-16.DWG, 8/26/2024 11:24 AM, MATT WEIR, LAYOUT1