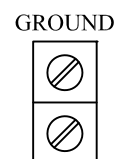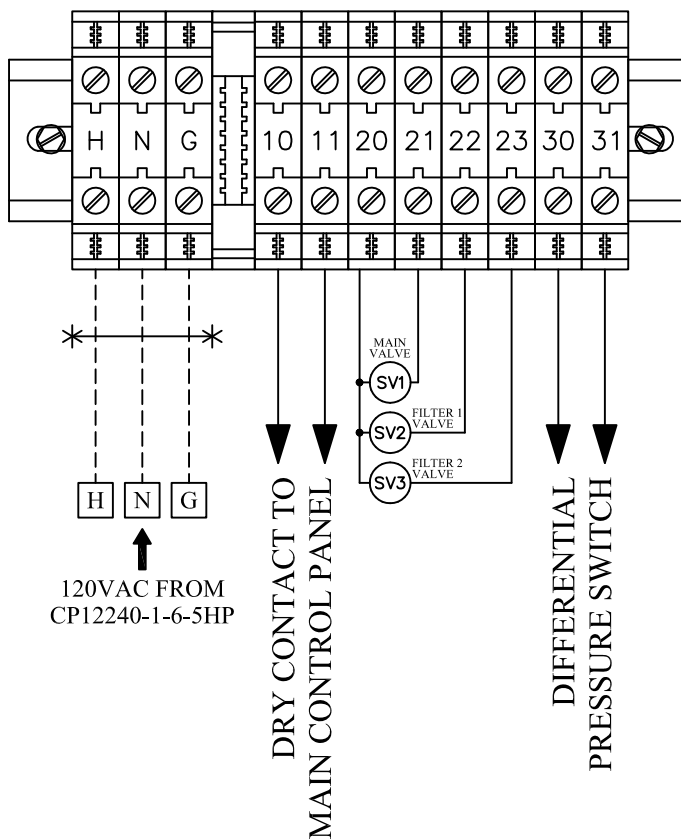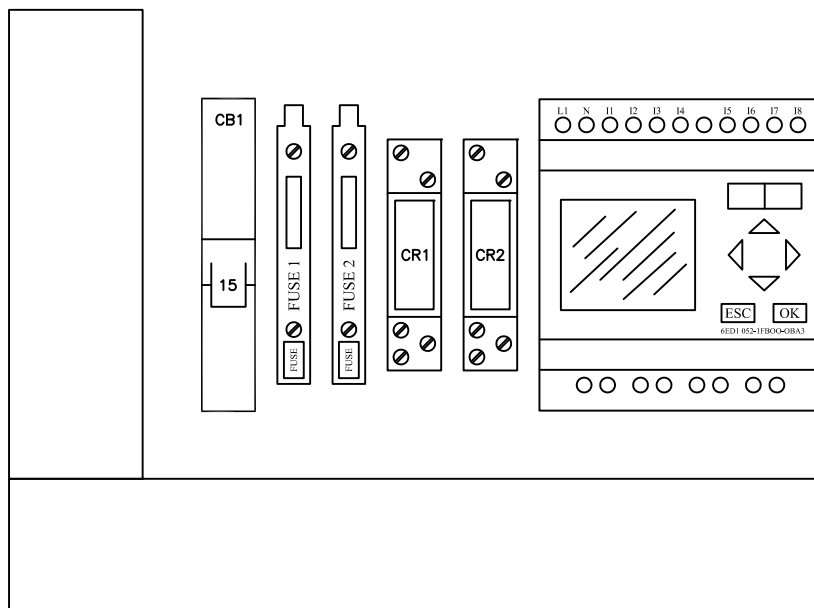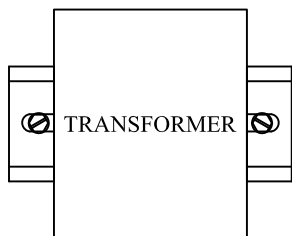SANA LAKE
CP-1818 FOR
CP12240-1-6-5HP

AS BUILTS
SN: 89454
AUGUST 05, 2022

_____

Delta Treatment Systems
9125 Comar Drive
Walker, LA 70785
(225) 665-6162 Fax (800) 219-9183

CP-1818-6-5HP

H   N   G

120VAC
FROM
CP12240-1-6-5HP

H   N   G

12g   14g

CB1
15A
1P

14g

FU1
5A

L1   N

CR1   2
                    I1
PUSH TO
WASH   3
1   I2   PLC

16g

BK   120/24VAC   CLASS 2   WH
                          40VA

BL   YL   20

                                        CR2
                                   10   4   5   11

FU2
2A   TO MAIN CONTROL PANEL
                                   FILTER IS BACKWASHING
            DPS
     30   31   BL1   CR1   35   37

BL2   CR2   CP12240-1-6-5HP

         Q1   BL3
                          R   FILTER BACKWASHING
                                   LIGHT

         Q2   BL4   21   SV1   MAIN VALVE

         Q3   BL5   22   SV2   FILTER 1 VALVE   ON
                                                                FILTER
         Q4   BL6   23   SV3   FILTER 2 VALVE   PANEL

PLC

PROGRAM NAME: NET2r4

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POWER DIAGRAM
DUAL DISC. FILTER
BACKWASH CONTROL PANEL

DWN BY:	DATE:	SCALE:	DWG. NO. :	JOB NO. :
NCR	08/05/22	N.T.S.	1/3	CP-1818-6-5HP

TRANSFORMER

CB1

15

FUSE 1
FUSE

FUSE 2
FUSE

CR1

CR2

L1 N I1 I2 I3 I4 I5 I6 I7 I8

ESC OK

6ED1 052-1FB00-0BA3

PUSH TO WASH

| H | N | G | 10 | 11 | 20 | 21 | 22 | 23 | 30 | 31 |

GROUND

MAIN VALVE
SV1

FILTER 1 VALVE
SV2

FILTER 2 VALVE
SV3

H N G

120VAC FROM
CP12240-1-6-5HP

DRY CONTACT TO
MAIN CONTROL PANEL

DIFFERENTIAL
PRESSURE SWITCH

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EXTERNAL CONNECTIONS
DUAL DISC. FILTER
BACKWASH CONTROL PANEL

DWN BY:	DATE:	SCALE:	DWG. NO. :	JOB NO. :
NCR	08/05/22	N.T.S.	2/3	CP-1818-6-5HP

NEMA 4X FIBERGLASS ENCLOSURE

BACKWASHING

DIFFERENTIAL
PRESSURE SWITCH
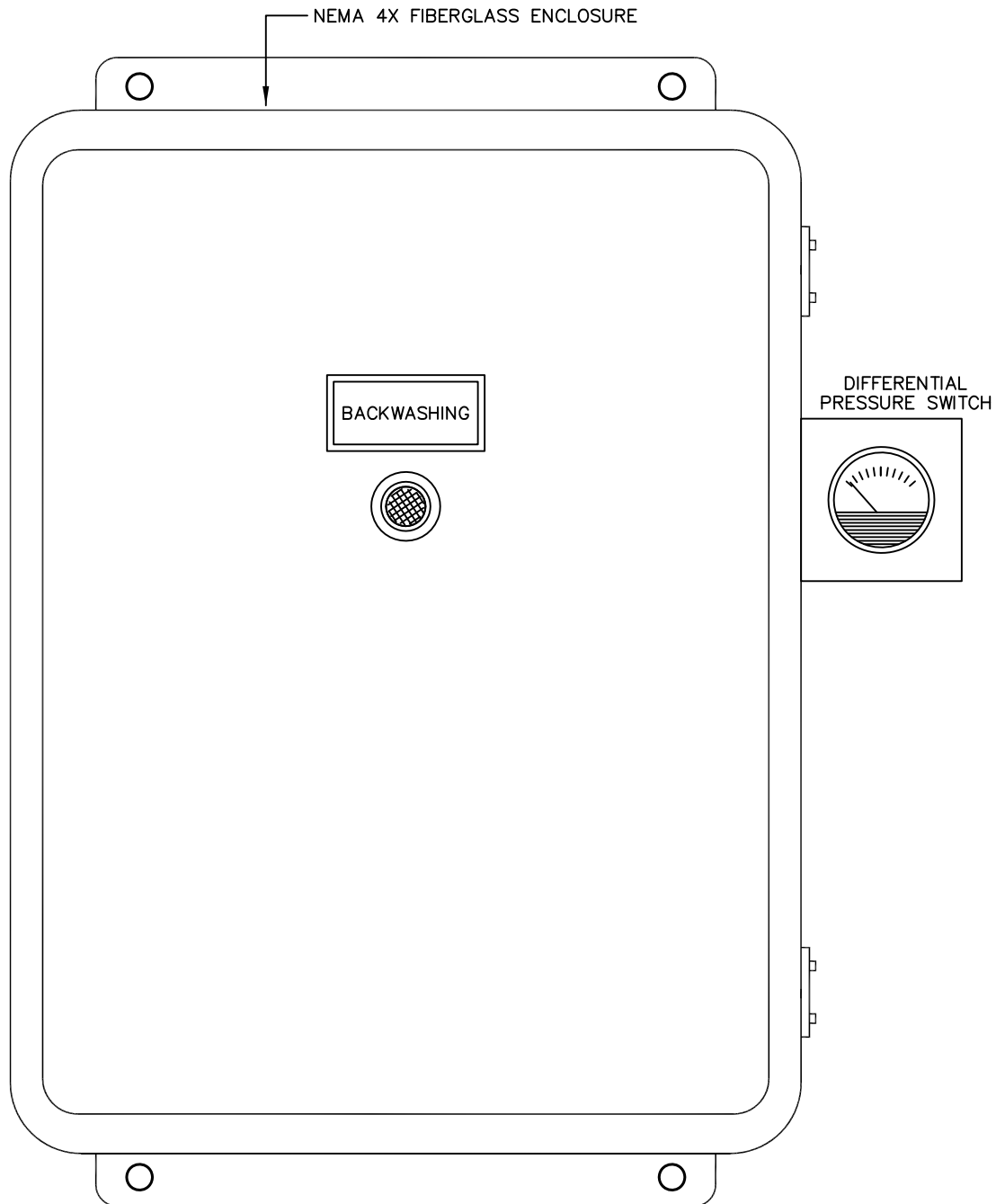
VIEW OF FRONT OF PANEL

NOTE:
SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

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ENCLOSURE
DUAL DISC. FILTER
BACKWASH CONTROL PANEL

| DWN BY: NCR | DATE: 08/05/22 | SCALE: N.T.S. | DWG. NO. : 3/3 | JOB NO. : CP-1818-6-5HP |

BILL OF MATERIALS

ITEM	QTY.	MANUFACTURER	PART NUMBER	DESCRIPTION
1	1	STAHLIN	RJ1614HPL	ENCLOSURE
2	1	SQUARE D	QOU115	CB1
3	2	PHOENIX	UT4 HESI	FU1,2
4	2	IDEC	RY2SULAC24	CR1,2
5	1	SIEMENS	OBA1	PLC
6	1	WHITE RODGERS	90T40F3	120V/24V TRANSFORMER
7	1	STOCK	E-Z SWITCH	E-Z SWITCH
8	1	MURPHY	A20DP-K-15	DIFF. PRESSURE SWITCH
9	1	ABB	CL-502R	24VAC LED LIGHT
10				
11				
12				
13				
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28				
29				
30				

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BILL OF MATERIALS
DUAL DISC. FILTER
BACKWASH CONTROL PANEL

| DWN BY: NCR | DATE: 08/05/22 | SCALE: N.T.S. | DWG. NO. : | JOB NO. : CP-1818-6-5HP |