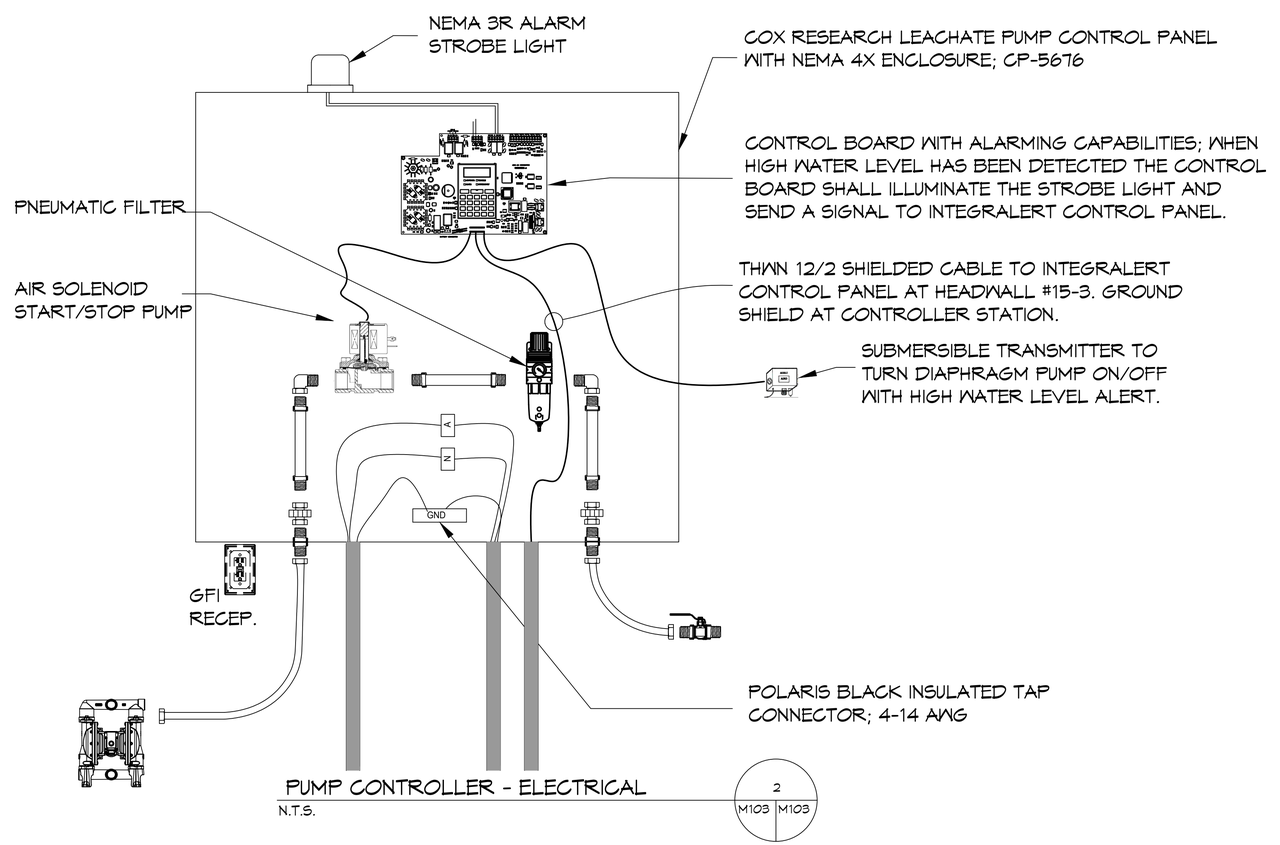
FILE NAME: J:\--Dammon\2480 - Tangipahoa Cell 16\Drawings\Current Drawings\M-103 - Pump Controller Details.dwg PLOT DATE & TIME: Wednesday, September 14, 2022 12:07:53 PM

COX RESEARCH & TECHNOLOGY LEACHATE PUMP CONTROL PANEL AND TRANSDUCER EQUIPMENT LIST, MODEL CP-5676	
QUANTITY	ITEM
1	HOFFMAN NEMA 4X ENCLOSURE, PART # CSD242010SS
1	COX RESEARCH BACKPLATE/SWING PANEL, PART # CAM0242010CSD
1	SQUARE D CIRCUIT 40 AMP BREAKER, PART # QOU140
1	SQUARE D CIRCUIT 15 AMP BREAKER, PART # QOU115
1	SQUARE D CIRCUIT 10 AMP BREAKER, PART # QOU110
1	HUBBELL GFI RECEPTACLE
1	TPS SURGE SUPPRESSOR, PART # TK-LT120-15A-DIN2
1	PRECISION DIGITAL SETPOINT CONTROLLER, PART # PD6000-6R1
1	MJK SUBMERSIBLE TRANSDUCER, PART # 3400
1	ABB H.O.A. SWITCH, PART # C355110B-20
1	ABB BLUE PILOT LIGHT, PART # CL51BL
1	CONERY ALARM LIGHT, PART # R40-XLS
1	ASCO AIR SOLENOID VALVE, PART # 82105002
2	IDEC ELECTROMECHANICAL RELAY, PART # RY4SULCAC120
1	HOFFMAN PAD LOCK HANDLE, PART # SPDLOCKHDL
1	MASTER PNEUMATIC FILTER, PART # CFBAR350
2	1/2" X 1/2" BULKHEAD COPPER ADAPTER
2	1/2" COPPER UNION
2	1/2" X 6" COPPER PIPE
2	1/2" 90° COPPER ELBOW
1	1/2" MALE TO MALE FITTING



PUMP CONTROLLER - ELECTRICAL
N.T.S.

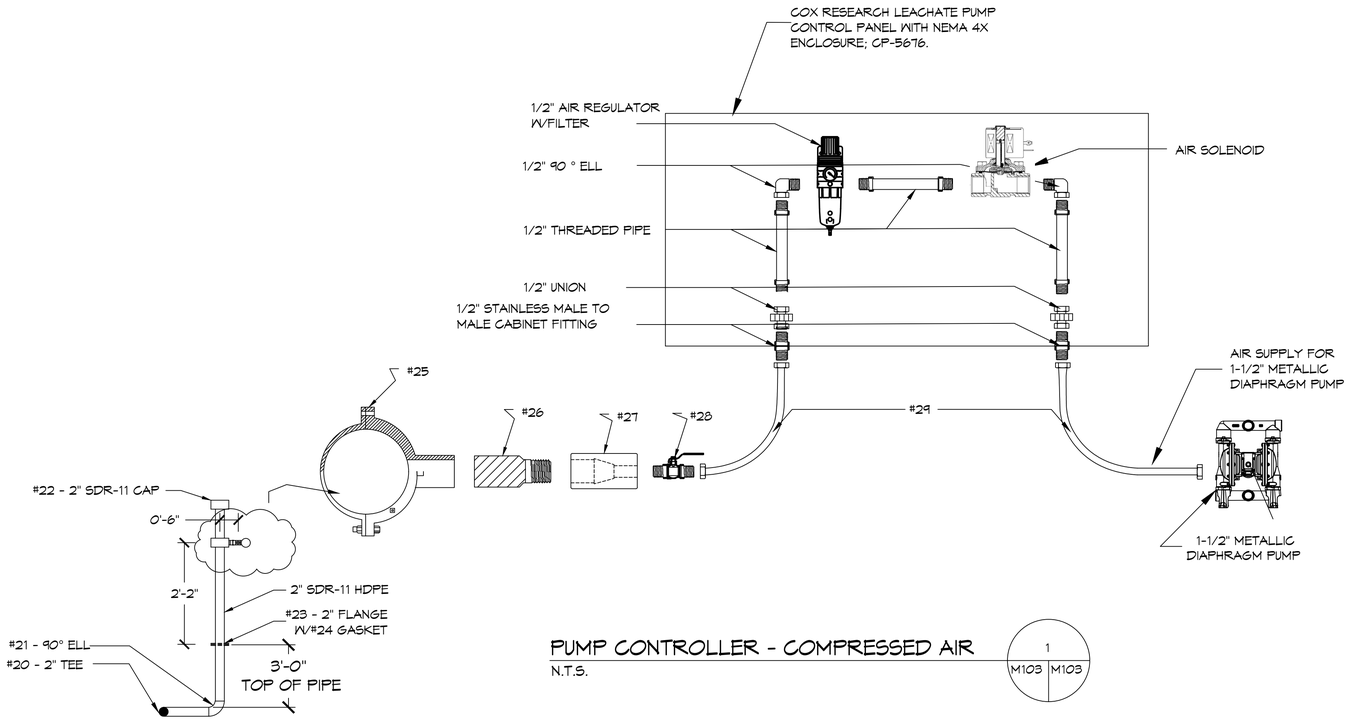
2 | M103 | M103

DIAPHRAGM PUMP DESIGNED TO OPERATE, 40 GPM, 22scfm @50psi

MECHANICAL EQUIPMENT LIST	
QUANTITY	ITEM
3	1-1/2" METALLIC DIAPHRAGM PUMP, 40 GPM, MANUFACTURE: ARO; MODEL: PD-15A-AAS-CC

MATERIAL LIST	
#	ITEM
1	1.5" SUMP STRAINER, 50 GPM; PART # CASS - 50 - 1-1/2 - NIPPLE - 100
2	1.5" SCH 80 PVC FEMALE ADAPTER NPT x SOCKET
3	1.5" SCH 80 PVC PIPE
4	1.5" PVC ZOELLER UNICHECK VALVE; PART # 30-0041 CLEAR BODY
5	1.5" FLEXIBLE SUCTION TUBING, 90 psi; STAINLESS STEEL NPTF (F) BOTH ENDS
6	1.5" POLYCAM TRANSITION HDPE TO STAINLESS STEEL
7	1.5" FLEXIBLE TUBING, 150 psi; STAINLESS STEEL CAMLOCK DISCONNECT (FEMALE) x NPTF (F)
8	1.5" STAINLESS CAMLOCK DISCONNECT (MALE) W/FEMALE PIPE THREADS
9	1.5" STAINLESS BALL VALVE W/ MALE PIPE THREADS
10	1.5" STAINLESS COLLAR
11	6" X 1.5" HDPE SADDLE
12	6" SDR-11 CAP
13	6" SDR-11 FLANGE W/O-RING
14	6" POLYETHYLENE GASKET
15	6" SDR-11 90 ° ELL
16	6" STAINLESS BALL OR GATE VALVE WITH FLANGE
17	6" CAMLOCK STAINLESS (MALE) W/FEMALE PIPE THREADS
18	6" BLIND FLANGE
19	6" SDR-11 BUTT TEE
20	2" SDR-11 BUTT TEE
21	2" SDR-11 90 ° ELL
22	2" SDR-11 CAP
23	2" SDR-11 FLANGE W/O-RING
24	2" POLYETHYLENE GASKET
25	2" X 1" HDPE SADDLE
26	1" POLYCAM TRANSITION HDPE TO STAINLESS STEEL
27	1" TO 1/2" STAINLESS STEEL REDUCER
28	1/2" STAINLESS STEEL BALL VALVE
29	1/2" FLEXIBLE HOSE, 150 PSI RATED WITH FEMALE THREADED STAINLESS COUPLINGS EACH END.

NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.



PUMP CONTROLLER - COMPRESSED AIR
N.T.S.

1 | M103 | M103

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#	DESCRIPTION	DATE
	REVISIONS	

SEAL:

TANGIPAHOA CELL 16
LEACHATE & STORMWATER FORCEMAIN AND SUPPORTING EQUIPMENT
TANGIPAHOA REGIONAL SOLID WASTE FACILITY
57510 HANO ROAD
INDEPENDENCE, LOUISIANA

JOB No:	2480	DATE:	9/30/2022
DRAWN BY:	DPD	CHECKED BY:	BM

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SHEET TITLE:
PUMP CONTROLLER DETAILS

DRAWING NUMBER:
M103

SHEET No: 3 of 4