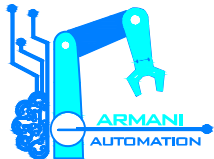
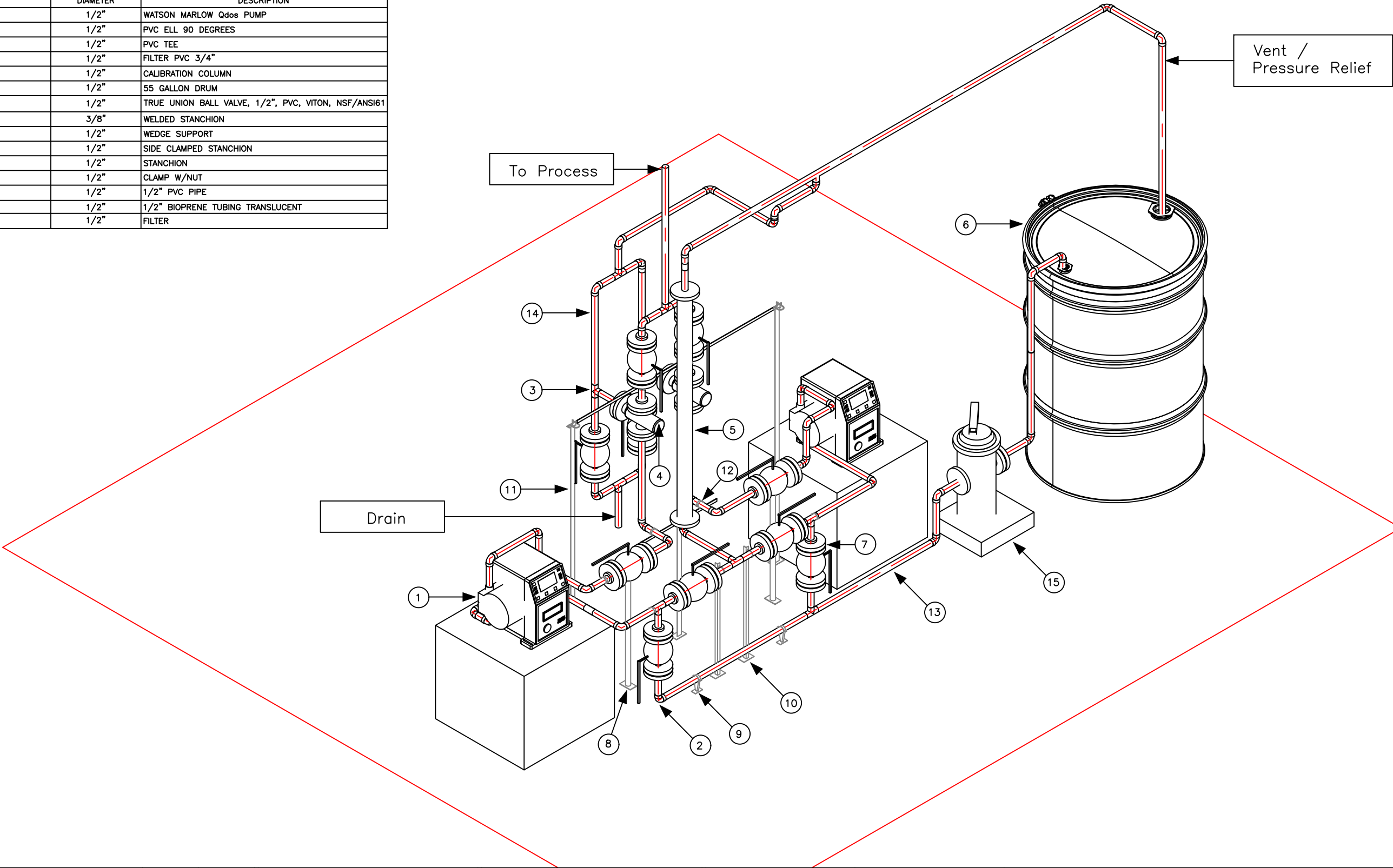


No.	DATE	REVISION DESCRIPTION	REV. BY	APP. BY

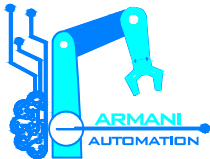


ENGINEER:	Armani B.	DATE:	08/16/2020	PROJECT NAME:	Chemical Plant
DRAWN BY:	Antonio M.	DWG No:	PLANT-1	TITLE:	Pipes and Components Disposition
CHECKED BY:	Armani B.	JOB No:			
SCALE:	NO SCALE	SHEET No:	1 OF 4		
CAD DWG file: C:\Users\anton\Documents\Project 1\Orthos\DWGs\2nd\2NN.dwg					

BILL OF MATERIALS			
ITEM	QUANTITY	DIAMETER	DESCRIPTION
1	2	1/2"	WATSON MARLOW Qdos PUMP
2	21	1/2"	PVC ELL 90 DEGREES
3	8	1/2"	PVC TEE
4	2	1/2"	FILTER PVC 3/4"
5	1	1/2"	CALIBRATION COLUMN
6	1	1/2"	55 GALLON DRUM
7	10	1/2"	TRUE UNION BALL VALVE, 1/2", PVC, VITON, NSF/ANSI61
8	2	3/8"	WELDED STANCHION
9	3	1/2"	WEDGE SUPPORT
10	2	1/2"	SIDE CLAMPED STANCHION
11	1	1/2"	STANCHION
12	8	1/2"	CLAMP W/NUT
13	19'	1/2"	1/2" PVC PIPE
14	11'	1/2"	1/2" BIOPRENE TUBING TRANSLUCENT
15	1	1/2"	FILTER

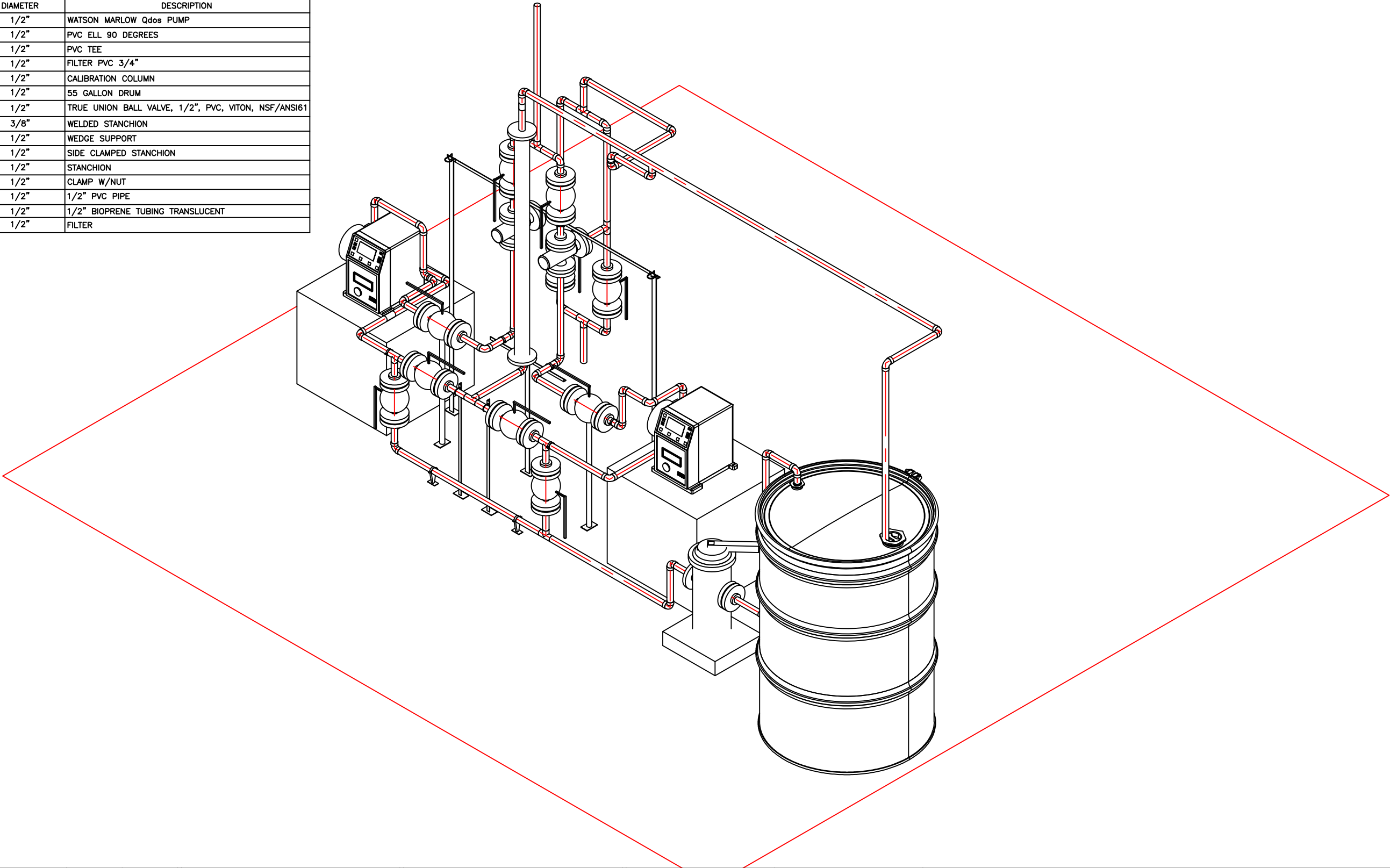


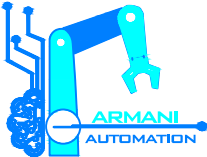
No.	DATE	REVISION DESCRIPTION	REV. BY	APP. BY

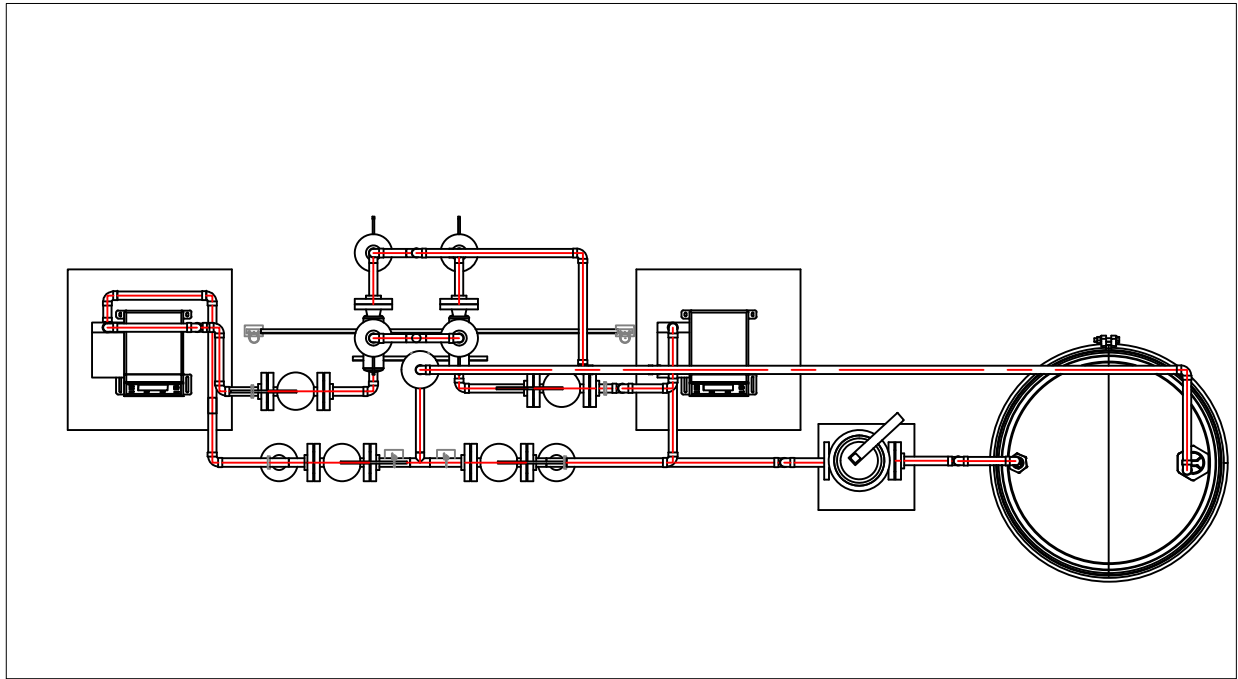


ENGINEER:	Armani B.	DATE:	08/16/2020	PROJECT NAME:	Chemical Plant
DRAWN BY:	Antonio M.	DWG No:	PLANT-2	TITLE:	Pipes and Components Disposition
CHECKED BY:	Armani B.	JOB No:			
SCALE:	NO SCALE	SHEET No:	2 OF 4		
CAD DWG file: C:\Users\anton\Documents\Project 1\Orthos\DWGs\2nd\2NN.dwg					

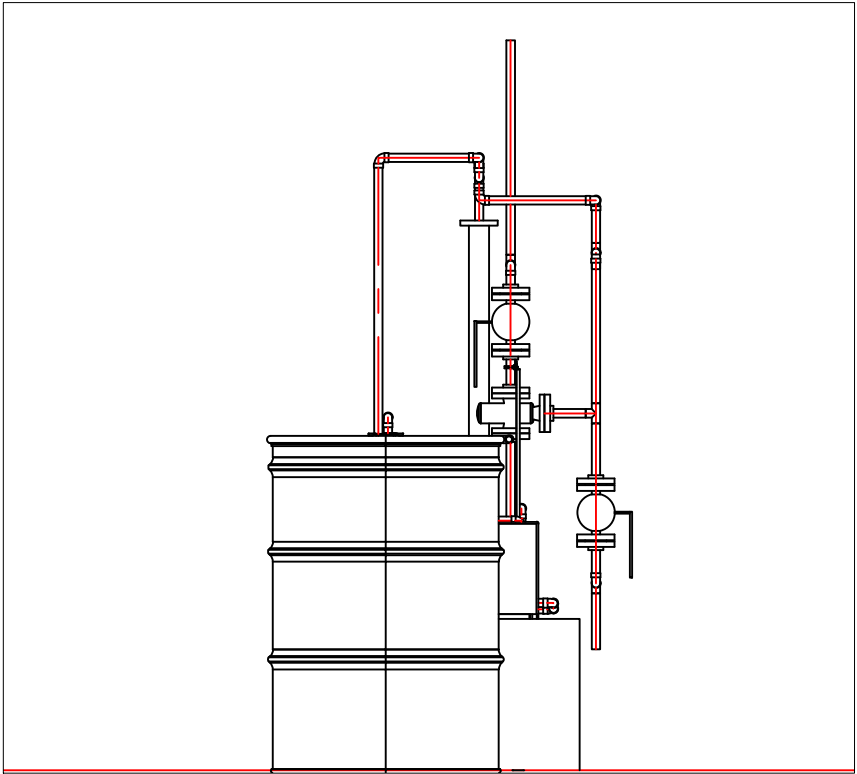
BILL OF MATERIALS			
ITEM	QUANTITY	DIAMETER	DESCRIPTION
1	2	1/2"	WATSON MARLOW Qdos PUMP
2	21	1/2"	PVC ELL 90 DEGREES
3	8	1/2"	PVC TEE
4	2	1/2"	FILTER PVC 3/4"
5	1	1/2"	CALIBRATION COLUMN
6	1	1/2"	55 GALLON DRUM
7	10	1/2"	TRUE UNION BALL VALVE, 1/2", PVC, VITON, NSF/ANSI61
8	2	3/8"	WELDED STANCHION
9	3	1/2"	WEDGE SUPPORT
10	2	1/2"	SIDE CLAMPED STANCHION
11	1	1/2"	STANCHION
12	8	1/2"	CLAMP W/NUT
13	19'	1/2"	1/2" PVC PIPE
14	11'	1/2"	1/2" BIOPRENE TUBING TRANSLUCENT
15	1	1/2"	FILTER



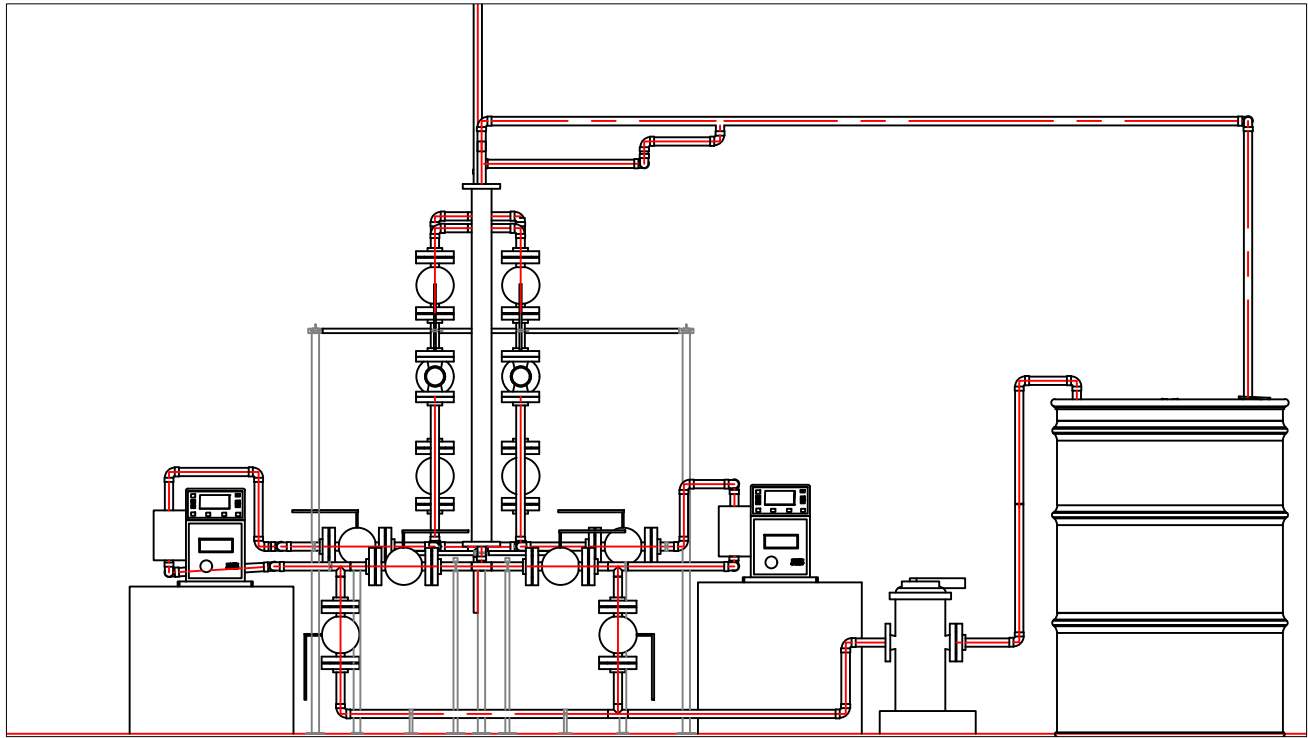
						ENGINEER: Armani B.	DATE: 08/16/2020	PROJECT NAME: Chemical Plant
						DRAWN BY: Antonio M.	DWG No: PLANT-3	TITLE:
						CHECKED BY: Armani B.	JOB No:	Pipes and Components Disposition
						SCALE: NO SCALE	SHEET No: 3 OF 4	
								CAD DWG file: C:\Users\anton\Documents\Project 1\Orthos\DWGs\2nd\2NN.dwg
No.	DATE	REVISION DESCRIPTION	REV. BY	APP. BY				



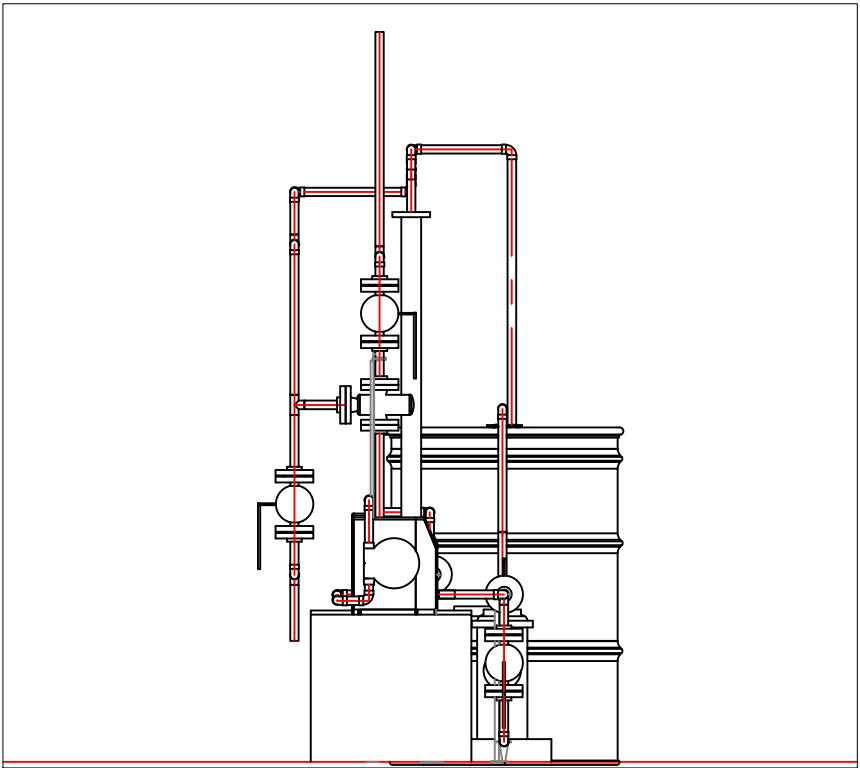
TOP VIEW



RIGHT VIEW



FRONT VIEW



LEFT VIEW

No.	DATE	REVISION DESCRIPTION	REV. BY	APP. BY



ENGINEER:	Armani B.	DATE:	08/16/2020	PROJECT NAME:	Chemical Plant
DRAWN BY:	Antonio M.	DWG No:	PLANT-4	TITLE:	Pipes and Components Disposition
CHECKED BY:	Armani B.	JOB No:			
SCALE:	NO SCALE	SHEET No:	4 OF 4		
CAD DWG file: C:\Users\anton\Documents\Project 1\Orthos\DWGs\2nd\2NN.dwg					