

6/30/2021 9:58 AM I:\T-PROJECTS\T-18009-00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009-00 HVAC LEGEND SCHEDULE AND DETAILS\PHASE 1.DWG (BETA STB.BW.STB)

B BOILER SCHEDULE																		
TAG NO.	BUILDING	OUTPUT CAPACITY (NET IBR)	FIRING RATE	EFFICIENCY		OPERATING PRESSURE (PSIG)	WATER					ELECTRICAL DATA				WEIGHT (LBS)	MANUFACTURER MODEL NUMBER	REMARKS
		MBH	OIL (GPH)	COMBUSTION	THERMAL		EW (°F)	LWT (°F)	GPM	% GLYCOL	WPD (FT)	MCA	V	PH	HZ			
7B-1	SLUDGE HANDLING	2506	20.7	88.4	88.4	—	180	160	300	40% P.G.	—	2	208	1	60	—	BURHAM MPC15	POWER FLAME C3-0
9B-1	ADMIN BUILDING	2020	19.2	88.4	88.4	—	180	160	250	40% P.G.	—	2	208	1	60	—	BURHAM MPC15	POWER FLAME C3-0

P PUMP SCHEDULE														
TAG NO.	BUILDING	SYSTEM SERVED	TYPE	GPM	HEAD (FT.)	GLYCOL	FLUID TEMP °F	RPM	ELECTRICAL DATA				MANUFACTURER MODEL NUMBER	REMARKS
									MOTOR HP	V	PH	HZ		
7HWP-1	SLUDGE HANDLING	H.W.	END	300	60	40% P.G.	180	1725	7.5	480	3	60	TACO 2510C	①
7HWP-2	SLUDGE HANDLING	H.W.	END	300	60	40% P.G.	180	1725	7.5	480	3	60	TACO 2510C	①
9HWP-1	ADMIN BUILDING	H.W.	END	300	50	40% P.G.	180	1725	7.5	480	3	60	TACO 2510C	①
9HWP-2	ADMIN BUILDING	H.W.	END	300	50	40% P.G.	180	1725	7.5	480	3	60	TACO 2510C	①
① VFD RATED MOTOR														

			ET		EXPANSION TANK SCHEDULE					
TAG NO.	BUILDING	SERVICE	SYS TEMP (°F)		SYS PRESS (PSIG)		TANK ACCEPTANCE VOLUME (GAL)	TANK AIR CHARGE (PSIG)	MANUFACTURER MODEL NUMBER	REMARKS
			MIN	MAX	MIN	MAX				
7ET-1	SLUDGE HANDLING	H.W.	50	180	15	150	61	12	TACO CBX-425	—
9ET-1	ADMIN BUILDING	—	40	75	15	150	43	40	TACO CBX-300	—

VRF HEAT PUMP (OUTDOOR UNIT) SCHEDULE											
ACCUOUTDOOR UNIT									MIN. EER STRETCH	MIN. COP IECC	REMARKS
TAG	BUILDING	MFG'R. & MODEL NO.	HEAT MBH	COOL MBH	ELEC. V/PH/HZ	No. OF ELEC. FEEDERS	MCA	MOP			
9ACCU-1	ADMIN BUILDING	DAIKIN REYQ240XAYDA	270.0	240.0	480/3/60	2	21.1 + 21.1	25 + 25	—	—	

VRF (INDOOR UNIT) SCHEDULE														
HP FAN COIL UNIT										BYPASS BOX		OUTDOOR UNIT		REMARKS
TAG	AREA SERVED	MFG'R. & MODEL NO.	TYPE UNIT	HEAT MBH	COOL MBH	CFM	ELEC. V/PH/HZ	MCA	MOP					
9HP-1	911 CONTROL RM.	DAIKIN FXFQ48TVJU	CEILING CASSETTE	53.9	48.01	1,218	208/1/60	1.8	15	BS-1-1	ACCU-2	-		
9HP-2	914 CORRIDOR	DAIKIN FXSQ24TAVJU	DUCTED	26.95	23.98	742	208/1/60	1.8	15	BS-1-1	ACCU-2	-		
9HP-3	915 BREAK RM.	DAIKIN FXFQ48TVJU	CEILING CASSETTE	48.01	48.01	1,218	208/1/60	1.8	15	BS-1-1	ACCU-2	-		
9HP-4	916 CHEM LAB	DAIKIN FXFQ24TVJU	CEILING CASSETTE	26.98	23.98	777	208/1/60	0.7	15	BS-1-1	ACCU-2	-		
9HP-5	919 CORRIDOR	DAIKIN FXSQ24TAVJU	DUCTED	26.65	23.98	742	208/1/60	1.8	15	BS-1-2	ACCU-2	-		
9HP-6	921 BACTERIOLOGY	DAIKIN FXZQ15TAVJU	CEILING CASSETTE	17.05	15.01	405	208/1/60	0.4	15	BS-1-2	ACCU-2	-		
9HP-7	922 OFFICE	DAIKIN FXZQ12TAVJU	CEILING CASSETTE	13.64	11.94	353	208/1/60	0.4	15	BS-1-2	ACCU-2	-		
9HP-8	924 FIRST AID	DAIKIN FXZQ09TAVJU	CEILING CASSETTE	10.57	9.55	317	208/1/60	0.3	15	BS-1-2	ACCU-2	-		
9HP-9	925 WAITING	DAIKIN FXSQ30TAVJU	DUCTED	34.12	29.99	812	208/1/60	1.8	15	BS-1-3	ACCU-2	-		
9HP-10	928 OFFICE	DAIKIN FXZQ15TAVJU	CEILING CASSETTE	17.05	15.01	405	208/1/60	0.4	15	BS-1-3	ACCU-2	-		
9HP-11	929 CONFERENCE	DAIKIN FXFQ36TVJU	CEILING CASSETTE	39.98	36.0	1,165	208/1/60	1.5	15	BS-1-3	ACCU-2	-		
9HP-12	935 IND. WASTE OFFICE	DAIKIN FXFQ24TVJU	CEILING CASSETTE	26.89	23.98	777	208/1/60	0.7	15	BS-1-3	ACCU-2	-		
9HP-13	934 PLANT SUPER	DAIKIN FXFQ36TVJU	CEILING CASSETTE	39.98	36.0	1,165	208/1/60	1.5	15	BS-1-3	ACCU-2	-		
9HP-14	LOWER LEVEL LOCKER RMS.	DAIKIN FXSQ24TAVJU	DUCTED	26.95	23.98	600	208/1/60	1.8	15	BS-1-4	ACCU-2	-		

VRF BRANCH SELECTOR SCHEDULE							
BSBRANCH SELECTOR BOX						OUTDOOR UNIT	REMARKS
TAG	MFG'R. & MODEL NO.	PORTS	ELEC. V/PH/HZ	MCA	MOP		
9BS-1-1	DAIKIN BS4Q54TVJ	4	208/1/60	0.4	15	ACCU-1	—
9BS-1-2	DAIKIN BS4Q54TVJ	4	208/1/60	0.4	15	ACCU-1	—
9BS-1-3	DAIKIN BS8Q54TVJ	8	208/1/60	0.4	15	ACCU-1	—
9BS-1-4	DAIKIN BS4Q54TVJ	4	208/1/60	0.4	15	ACCU-1	—

		FTR-1 LENGTH GPM		HOT WATER FIN-TUBE RADIATION SCHEDULE														
TAG NO.	BTU PER FT	AVG. WATER TEMP	GPM PER LENGTH	% GLYCOL	PIPE SIZE (IN)	PIPE MTRL	FIN SIZE W X H		ENCLOSURE		MOUNTING HEIGHT	FINS PER FOOT	FIN MTRL	ROWS	MANUFACTURER MODEL NUMBER	REMARKS		
							H	W	H	W								
FTR-A	663	160	4.0	40 P.G.	3/4"	COPPER	4	1/4" X 4	1/4"	N/A	N/A	REFER TO ARCH.	48	ALUM.	1	RITTLING MODEL 3/4C-4JX4J-48	BARE ELEMENT GRILL BY OTHERS	
FTR-B	663	160	4.0	40 P.G.	3/4"	COPPER	4	1/4" X 4	1/4"	14"	5	3/8"	REFER TO ARCH.	48	ALUM.	1	RITTLING MODEL 3/4C-4JX4J-48	ARCHITECTURAL GRILL 14 GAUGE COVER
FTR-C	663	160	4.0	40 P.G.	3/4"	COPPER	4	1/4" X 4	1/4"	14"	5	3/8"	REFER TO ARCH.	48	ALUM.	1	RITTLING MODEL 3/4C-4JX4J-48	ARCHITECTURAL GRILL 14 GAUGE COVER

1. ARCH ENCLOSURE SLOP TOP.

2. ALUMINUM ENCLOSURE PER SPECIFICATIONS

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 1

Taunton, MA

TITLE

Hvac Schedules

NO.	REVISIONS	DATE
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DRAWN BY:	RLB
DESIGNED BY:	RHB
CHECKED BY:	RHB
ISSUE DATE:	7/2/21
BETA JOB NO.:	6050

SCALE

NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

H-0.3

6/30/2021 9:58 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC LEGEND SCHEDULE AND DETAILS\PHASE 1.DWG (BETA STB BW STB)

HOT WATER UNIT HEATER HEATER SCHEDULE																
TAG NO.	SERVICE	CFM	MBH	WATER SIDE						ELECTRICAL DATA					MANUFACTURER MODEL NUMBER	REMARKS
				GPM	% GLYCOL	WPD (FT)	EWI (°F)	LWT (°F)	HP	FLA	V	PH	HZ			
2UH-1	PIPE GALLERY BUILDING	1,340	43.7	4.4	40 P.G.	0.4	180	160	1/10	1.30	120	1	60	RITTLING MODEL RH-86	—	
2UH-2	PIPE GALLERY BUILDING	730	23.9	2.4	40 P.G.	0.1	180	160	1/15	0.72	120	1	60	RITTLING MODEL RH-47	—	
2UH-3	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-4	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-5	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-6	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-7	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-8	PIPE GALLERY BUILDING	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
2UH-9	PIPE GALLERY BUILDING	1,340	43.7	4.4	40 P.G.	0.4	180	160	1/10	1.30	120	1	60	RITTLING MODEL RH-86	—	
2UH-10	PIPE GALLERY BUILDING	1,340	43.7	4.4	40 P.G.	0.4	180	160	1/10	1.30	120	1	60	RITTLING MODEL RH-86	—	
7UH-1	SOLID HANDLING BLDG. 1ST FLOOR	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
7UH-2	SOLID HANDLING BLDG. 1ST FLOOR	730	23.9	2.4	40 P.G.	0.1	180	160	1/15	0.72	120	1	60	RITTLING MODEL RH-47	—	
7UH-3	SOLID HANDLING BLDG. 1ST FLOOR	630	17.3	1.7	40 P.G.	0.1	180	160	1/15	0.72	120	1	60	RITTLING MODEL RH-33	—	
7UH-4	SOLID HANDLING BLDG. 1ST FLOOR	630	17.3	1.7	40 P.G.	0.1	180	160	1/15	0.72	120	1	60	RITTLING MODEL RH-33	—	
7UH-5	SOLID HANDLING BLDG. 1ST FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-6	SOLID HANDLING BLDG. 1ST FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-7	SOLID HANDLING BLDG. 1ST FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-8	SOLID HANDLING BLDG. 2ND FLOOR	630	17.3	1.7	40 P.G.	0.1	180	160	1/15	0.72	120	1	60	RITTLING MODEL RH-33	—	
7UH-9	SOLID HANDLING BLDG. 2ND FLOOR	1,340	43.7	4.4	40 P.G.	0.4	180	160	1/10	1.30	120	1	60	RITTLING MODEL RH-86	—	
7UH-10	SOLID HANDLING BLDG. 2ND FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-11	SOLID HANDLING BLDG. 2ND FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-12	SOLID HANDLING BLDG. 2ND FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-13	SOLID HANDLING BLDG. 2ND FLOOR	1,550	57.2	5.7	40 P.G.	0.4	180	160	1/8	1.58	120	1	60	RITTLING MODEL RH-108	—	
7UH-14	SOLID HANDLING BLDG. 2ND FLOOR	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
7UH-15	SOLID HANDLING BLDG. 2ND FLOOR	450	12.2	1.2	40 P.G.	0.4	180	160	1/30	0.70	120	1	60	RITTLING MODEL RH-24	—	
7UH-16	SOLID HANDLING BLDG. 2ND FLOOR	1,120	32.8	3.3	40 P.G.	0.2	180	160	1/10	0.70	120	1	60	RITTLING MODEL RH-63	—	
7UH-17	SOLID HANDLING BLDG. 1ST FLOOR	450	12.2	1.2	40 P.G.	0.4	180	160	1/30	0.70	120	1	60	RITTLING MODEL RH-24	—	
7UH-18	SOLID HANDLING BLDG. 1ST FLOOR	450	12.2	1.2	40 P.G.	0.4	180	160	1/30	0.70	120	1	60	RITTLING MODEL RH-24	—	

CABINET UNIT HEATER SCHEDULE																
TAG NO.	SERVICE	CFM	MBH	WATER SIDE					ELECTRICAL DATA				MANUFACTURER MODEL NUMBER	REMARKS		
				GPM	% GLYCOL	WPD (FT)	EWT (°F)	LWT (°F)	HP	V	PH	HZ				
7CUH-1	SOLID HANDLING BLDG. 1ST FLOOR	300	12.5	1.5	40 P.G.	0.4	130	113.2	1/60	120	1	60	RITTLING MODEL RFRC-420	2 ROW COIL		
9CUH-1	ADMIN BUILDING	300	12.5	1.5	40 P.G.	0.4	130	113.2	1/60	120	1	60	RITTLING MODEL RF-220	FLOOR MOUNTED 2 ROW COIL		
9CUH-2	ADMIN BUILDING	300	12.5	1.5	40 P.G.	0.4	130	113.2	1/60	120	1	60	RITTLING MODEL RF-220	FLOOR MOUNTED 2 ROW COIL		
9CUH-3	ADMIN BUILDING	300	12.5	1.5	40 P.G.	0.4	130	113.2	1/60	120	1	60	RITTLING MODEL RF-220	FLOOR MOUNTED 2 ROW COIL		

CONVECTOR SCHEDULE												
TAG NO.	LOCATION	TOTAL MBH	EAT °F	WATER				CABINET			MANUFACTURER MODEL NUMBER	REMARKS
				GPM	% GLYCOL	EWI (°F)	LWT (°F)	LENGTH	HEIGHT	DEPTH		
9C-1	SEE PLANS	4.8	65	0.6	40 P.G.	130	100	40	32	6	RITTILING MODEL SL	WALL

ELECTRIC UNIT HEATER SCHEDULE									
TAG NO.	BUILDING	CAPACITY		FAN DATA				MANUFACTURER MODEL NUMBER	REMARKS
		KW	CFM	V	PH	HZ			
1EUH-1	HEADWORKS BUILDING	20	2,330	480	3	60		QMARK GUX20004832	EXPLOSION PROOF
1EUH-2	HEADWORKS BUILDING	20	2,330	480	3	60		QMARK GUX20004832	EXPLOSION PROOF
1EUH-3	HEADWORKS BUILDING	20	2,330	480	3	60		QMARK GUX20004832	EXPLOSION PROOF
1EUH-4	HEADWORKS BUILDING	20	2,330	480	3	60		QMARK GUX20004832	EXPLOSION PROOF
5EUH-1	CHEMICAL HANDLING BUILDING	12.5	480	480	3	60		QMARK QWD12432	—
5EUH-2	CHEMICAL HANDLING BUILDING	3.0	480	480	3	60		QMARK QWD03432	—

DIFFUSER, REGISTER & GRILLE SCHEDULE										
TAG NO.	MODULE SIZE (IN)	ROUND APAPTER SIZE (IN)	FLEX DUCT SIZE (IN)	SQUARE DUCT SIZE (IN)	SERVICE	CFM RANGE		MAX. NC LEVEL	MANUFACTURER & MODEL NO.	REMARKS
						MIN	MAX			
SD-1	12x12	6"	6"	N/A	SUPPLY	60	120	22	NAILOR RNS3	
SD-2	24x24	6"	6"	N/A	SUPPLY	60	120	22	NAILOR RNS3	
SD-3	24x24	8"	8"	N/A	SUPPLY	125	210	22	NAILOR RNS3	
SD-4	24x24	10"	10"	N/A	SUPPLY	215	325	22	NAILOR RNS3	
SD-5	24x24	12"	12"	N/A	SUPPLY	330	500	22	NAILOR RNS3	
SD-6	24x24	15"	15"	N/A	SUPPLY	500	740	22	NAILOR RNS3	
SR-1	20x12	N/A	N/A	N/A	SUPPLY	500	1800	40	NAILOR 45DL	
SR-2	30x12	N/A	N/A	N/A	SUPPLY	1800	2400	40	NAILOR 45DL	
SR-3	50x12	N/A	N/A	N/A	SUPPLY	2500	3810	40	NAILOR 45DL	
SR-4	70x12	N/A	N/A	N/A	SUPPLY	3800	5000	40	NAILOR 45DL	
SR-5	6x6	N/A	N/A	N/A	SUPPLY	50	140	25	NAILOR 61DH	
SR-6	10x6	N/A	N/A	N/A	SUPPLY	140	245	25	NAILOR 61DH	
SR-7	14x6	N/A	N/A	N/A	SUPPLY	245	400	25	NAILOR 61DH	
SR-8	18x10	N/A	N/A	N/A	SUPPLY	400	790	25	NAILOR 61DH	
SR-9	20x12	N/A	N/A	N/A	SUPPLY	500	1800	40	NAILOR 45DL-0	
SR-10	30x12	N/A	N/A	N/A	SUPPLY	1800	2400	40	NAILOR 45DL-0	
SR-11	50x12	N/A	N/A	N/A	SUPPLY	2500	3810	40	NAILOR 45DL-0	
SR-12	70x12	N/A	N/A	N/A	SUPPLY	3800	5000	40	NAILOR 45DL-0	
ER-1	18x12	N/A	N/A	N/A	EXHAUST	500	1000	40	NAILOR 6755H-HD	
ER-2	30x12	N/A	N/A	N/A	EXHAUST	1000	1600	40	NAILOR 6755H-HD	
ER-3	42x12	N/A	N/A	N/A	EXHAUST	1600	2500	40	NAILOR 6755H-HD	
ER-4	50x12	N/A	N/A	N/A	EXHAUST	2500	3200	40	NAILOR 6755H-HD	
ER-5	50x18	N/A	N/A	N/A	EXHAUST	3200	4800	40	NAILOR 6755H-HD	
ER-6	36x18	N/A	N/A	N/A	EXHAUST	1600	2500	40	NAILOR 6755H-HD	
ER-7	30x24	N/A	N/A	N/A	EXHAUST	2500	2800	40	NAILOR 6755H-HD	
ER-8	42x30	N/A	N/A	N/A	EXHAUST	2800	4400	40	NAILOR 6755H-HD	
ER-9	6x6	N/A	N/A	N/A	EXHAUST	50	140	25	NAILOR 6145H	
ER-10	10x6	N/A	N/A	N/A	EXHAUST	140	245	25	NAILOR 6145H	
ER-11	14x6	N/A	N/A	N/A	EXHAUST	245	400	25	NAILOR 6145H	
ER-12	18x10	N/A	N/A	N/A	EXHAUST	400	790	25	NAILOR 6145H	
ER-13	18x12	N/A	N/A	N/A	EXHAUST	500	1000	40	NAILOR 6755H-HD	
ER-14	30x12	N/A	N/A	N/A	EXHAUST	1000	1600	40	NAILOR 6755H-HD	
ER-15	36x18	N/A	N/A	N/A	EXHAUST	1600	2500	40	NAILOR 6755H-HD	
ER-16	30x24	N/A	N/A	N/A	EXHAUST	2500	2800	40	NAILOR 6755H-HD	
ER-17	42x30	N/A	N/A	N/A	EXHAUST	2800	4400	40	NAILOR 6755H-HD	
EG-1	12x12	6"	6"	N/A	EXHAUST	60	120	22	NAILOR 6145H	
EG-2	12x12	8"	8"	N/A	EXHAUST	125	210	22	NAILOR 6145H	
EG-3	24x24	10"	10"	N/A	EXHAUST	215	325	22	NAILOR 6145H	
EG-4	24x24	12"	12"	N/A	EXHAUST	330	500	22	NAILOR 6145H	
RR-1	24x24	N/A	N/A	22x22	RETURN	500	1900	22	NAILOR 6145H	

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Schedules

NO.	REVISIONS	DATE
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DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

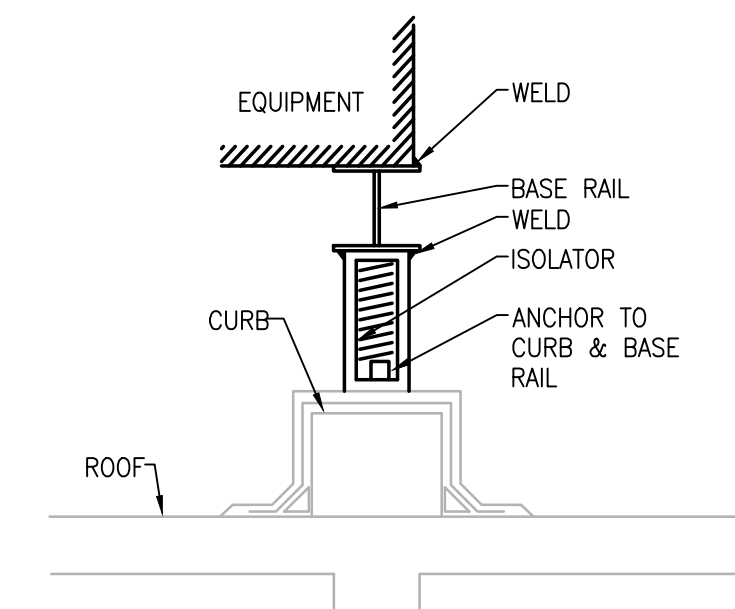
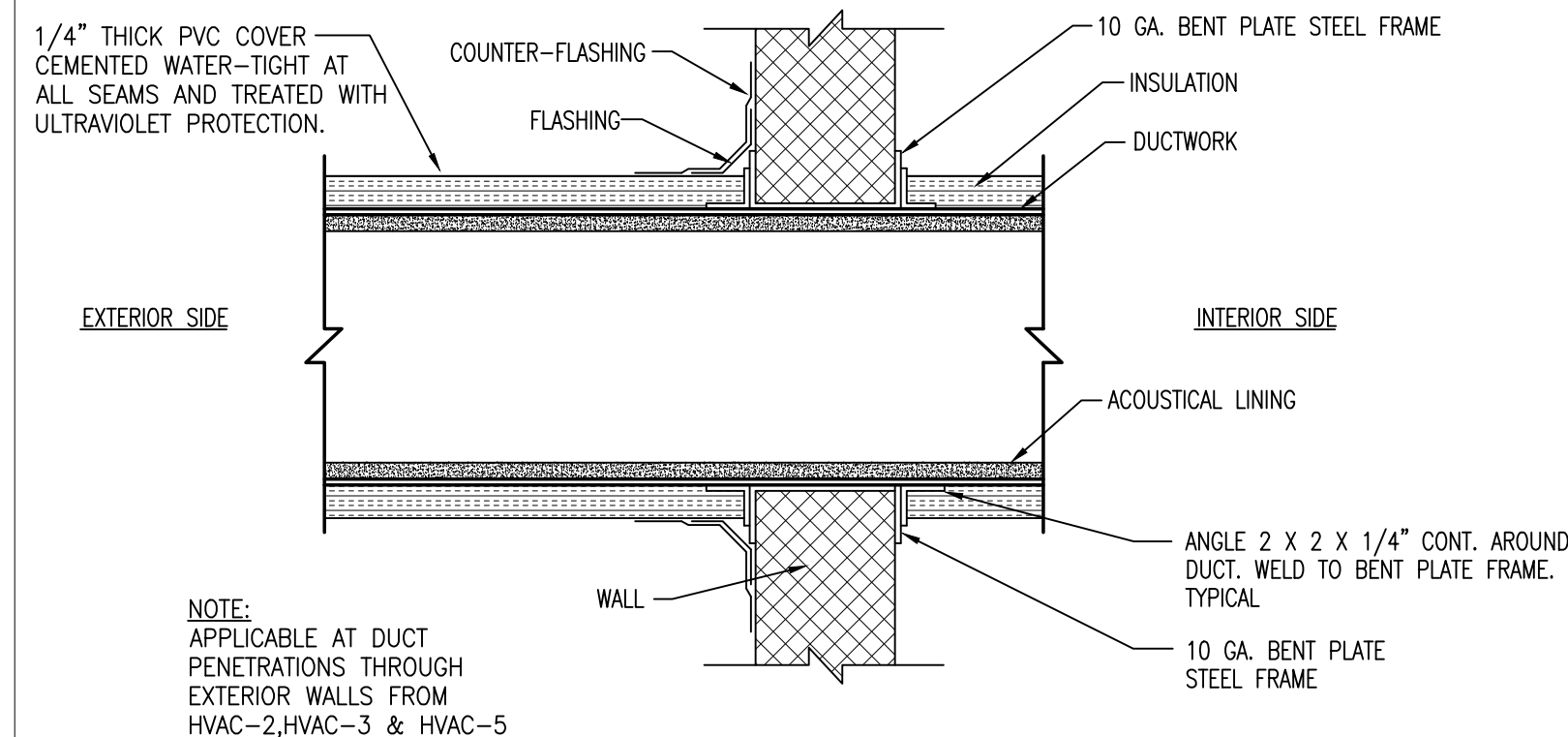
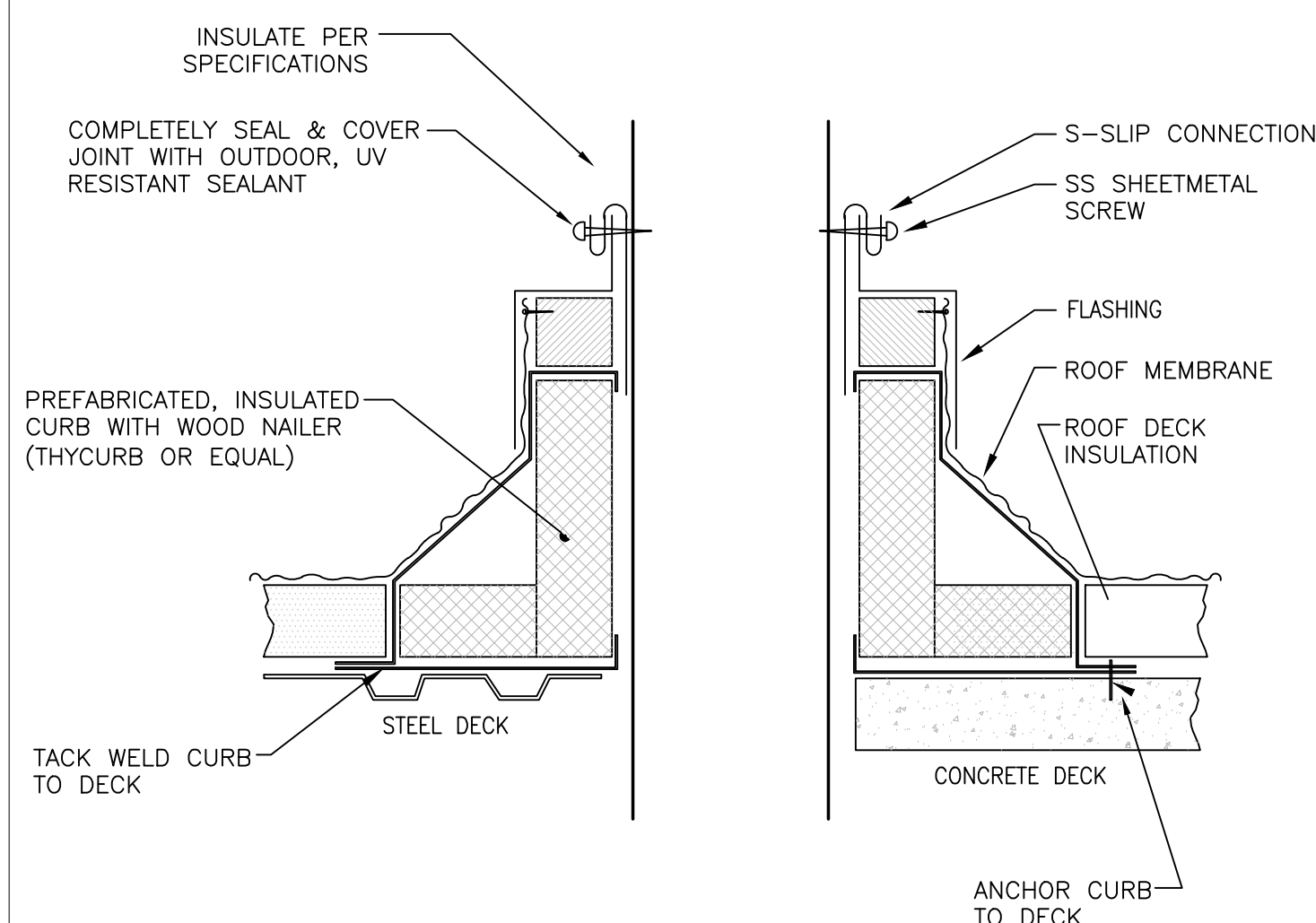
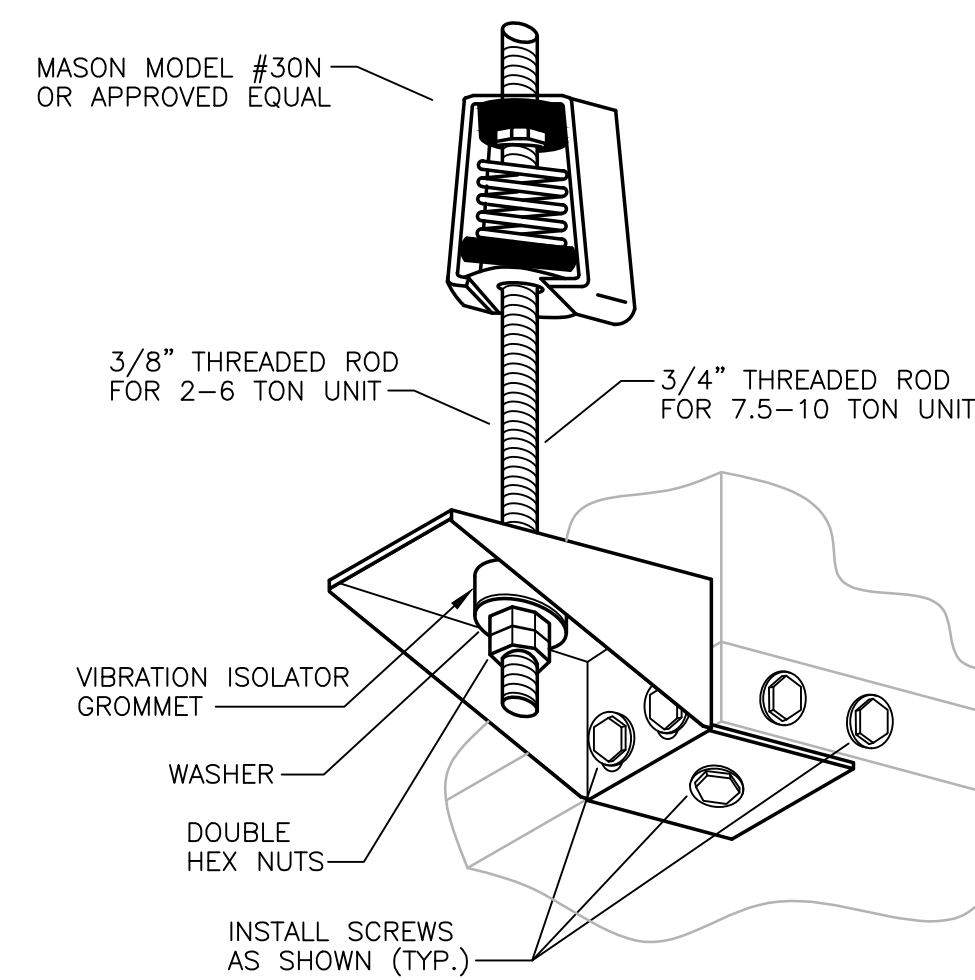
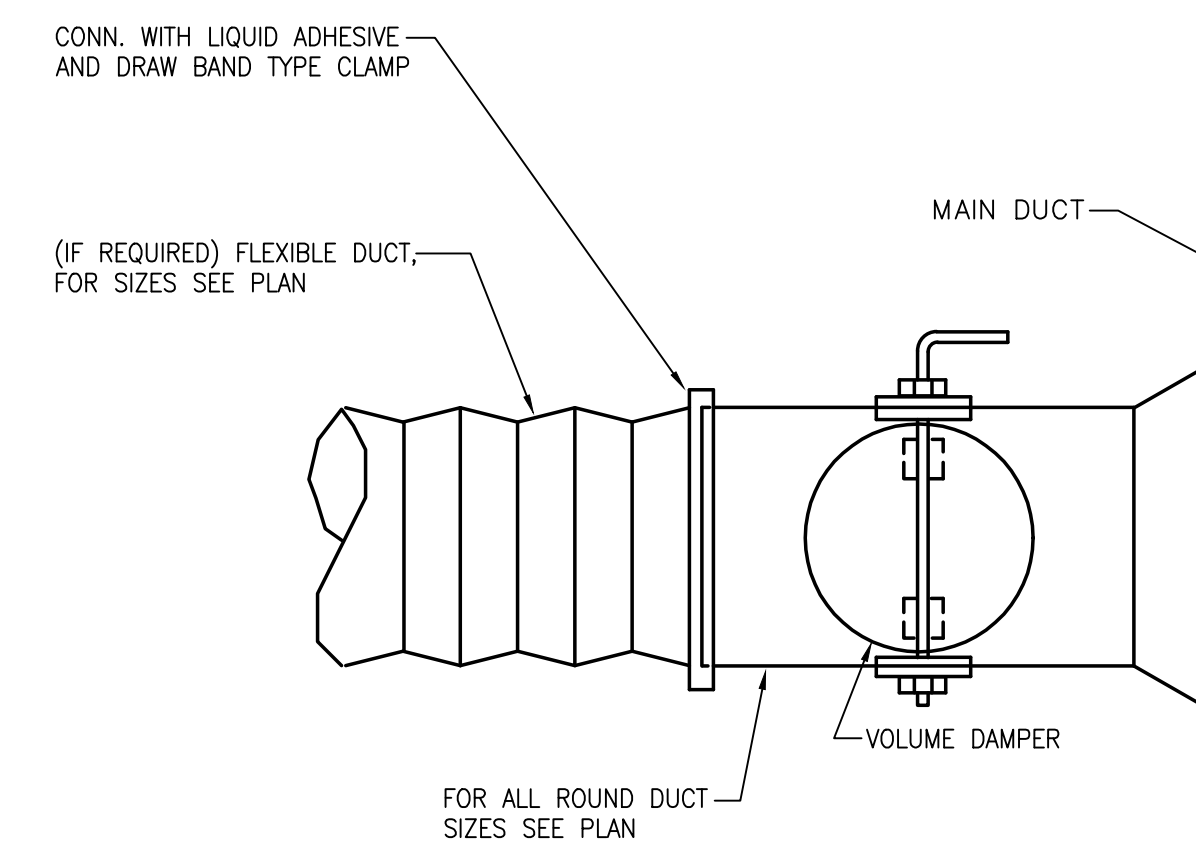
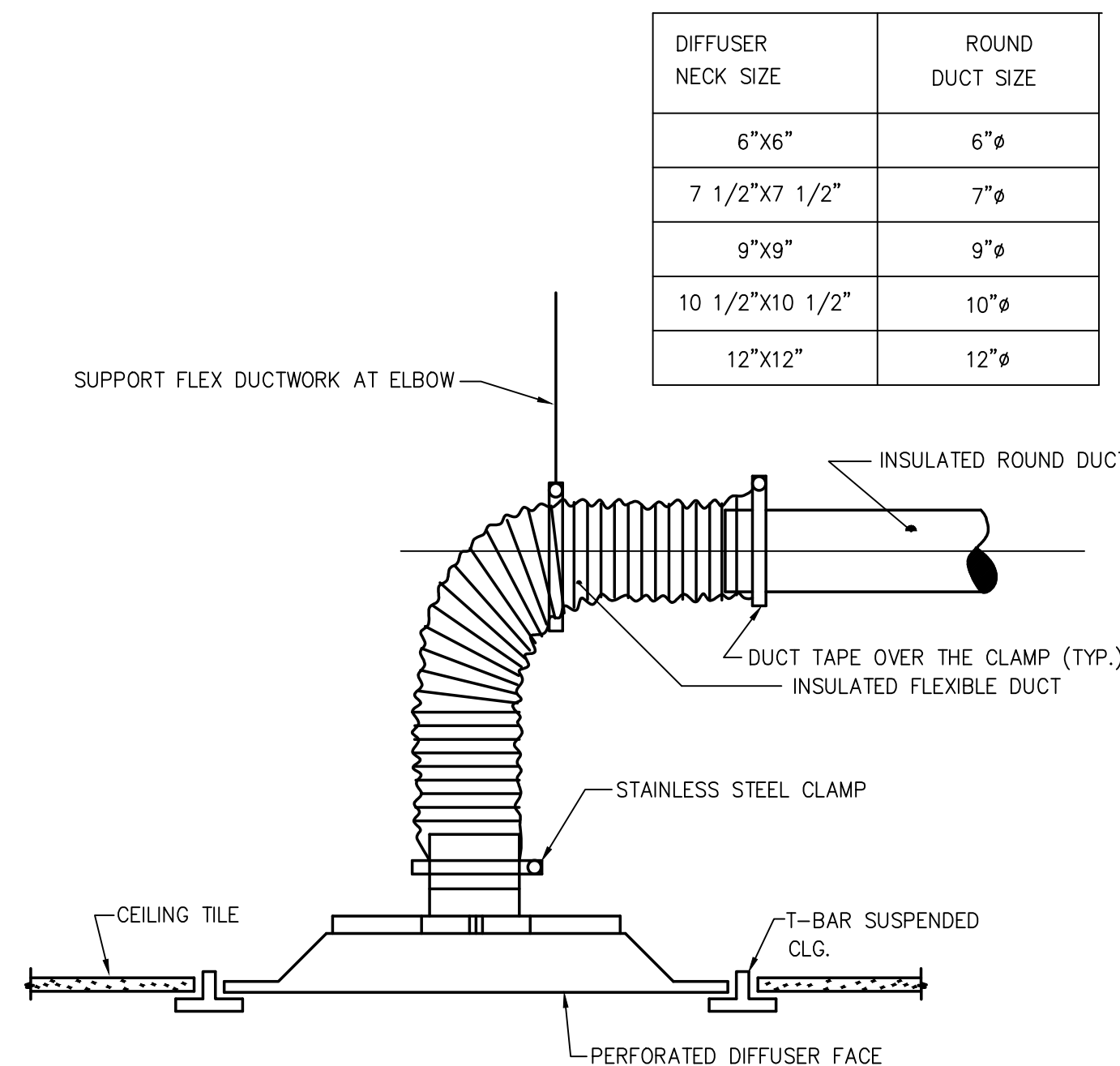
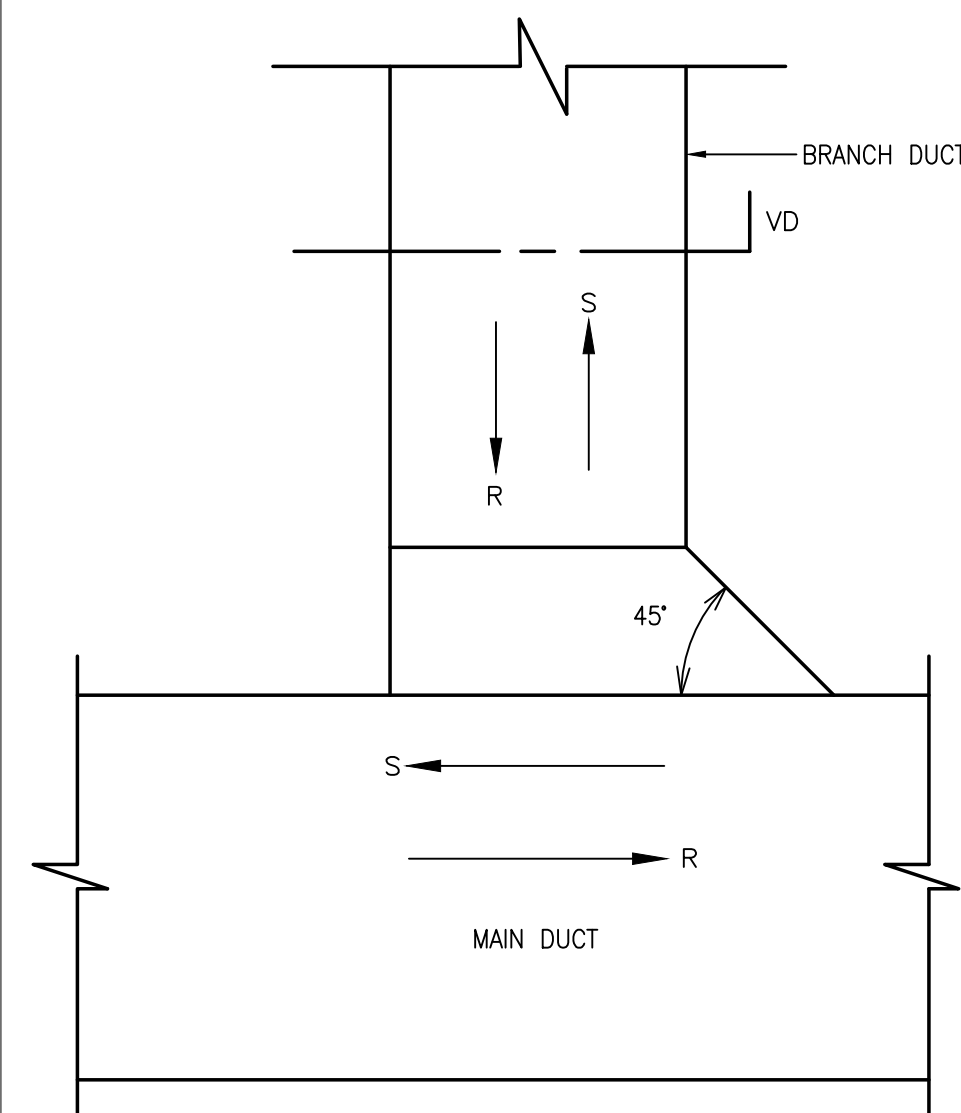
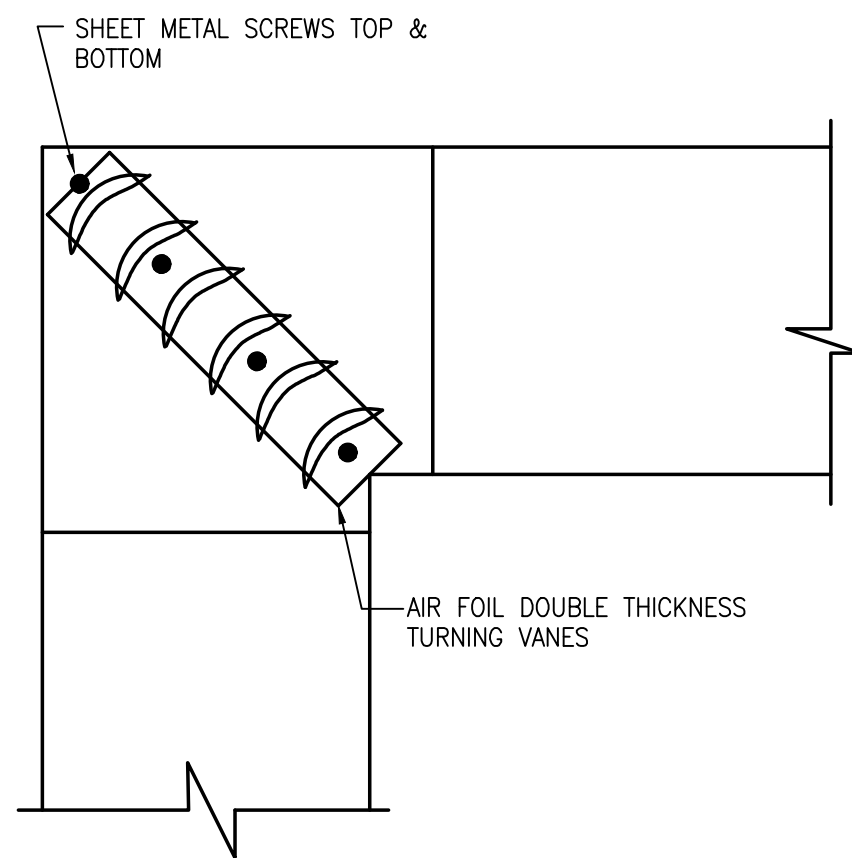
SCALE

NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

H-0.4



PREPARED BY 1



REGISTERED PROFESSIONAL 4



SUBCONSULTANT 4



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617 328-9215
web: www.sar.com

PROJECT 1

Taunton Wastewater Treatment Facility Improvements Phase 1

Taunton, MA

TITLE 1

Hvac Details

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

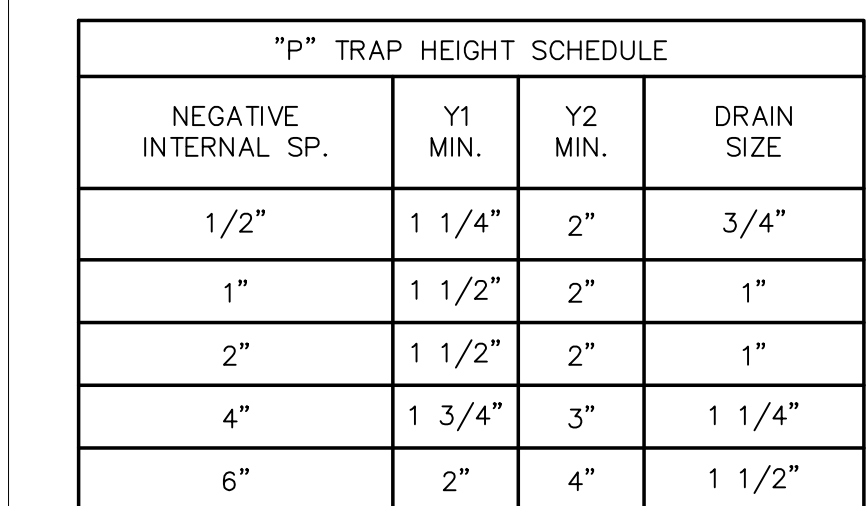
SCALE

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UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

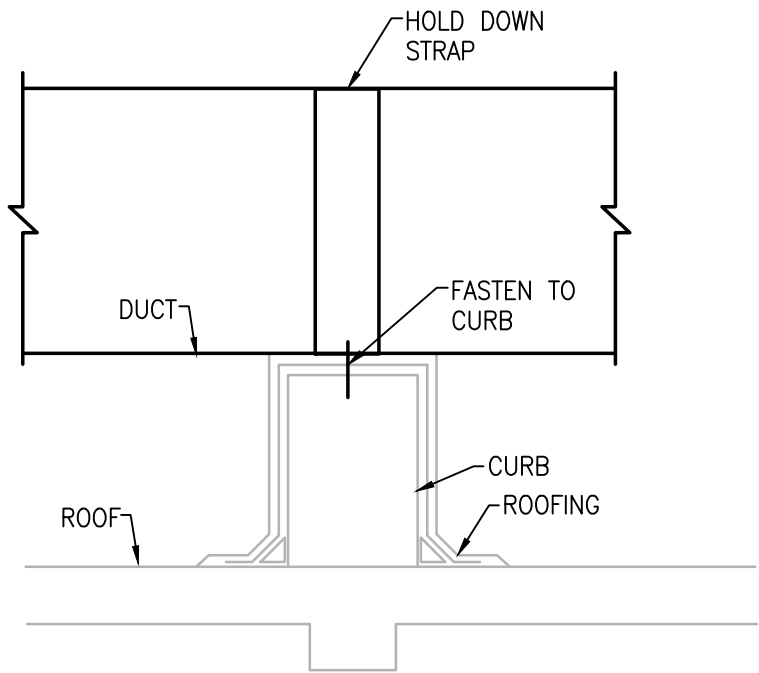
H-0.5



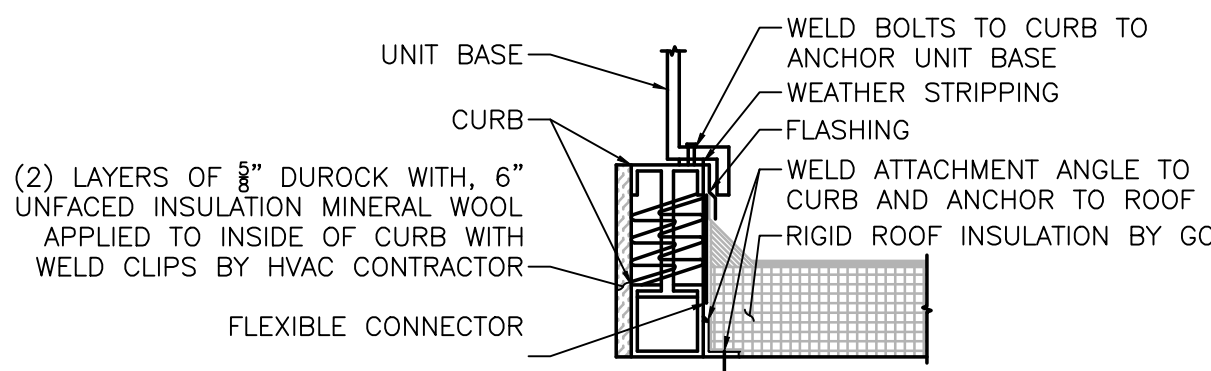
9 "P" TRAP DETAIL
NO SCALE

H-0.6

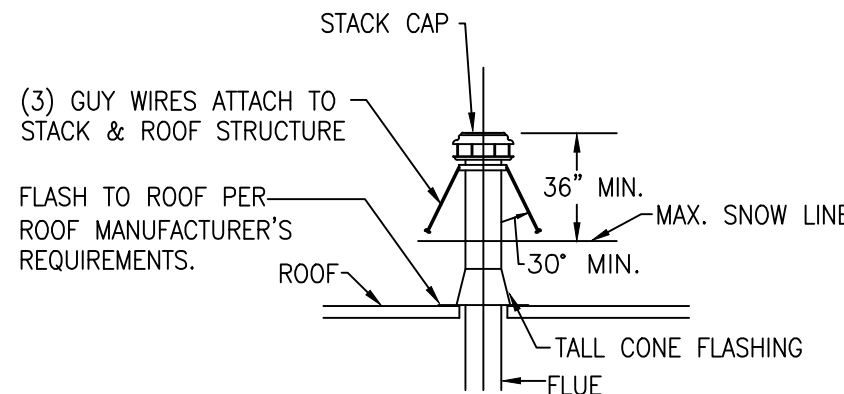
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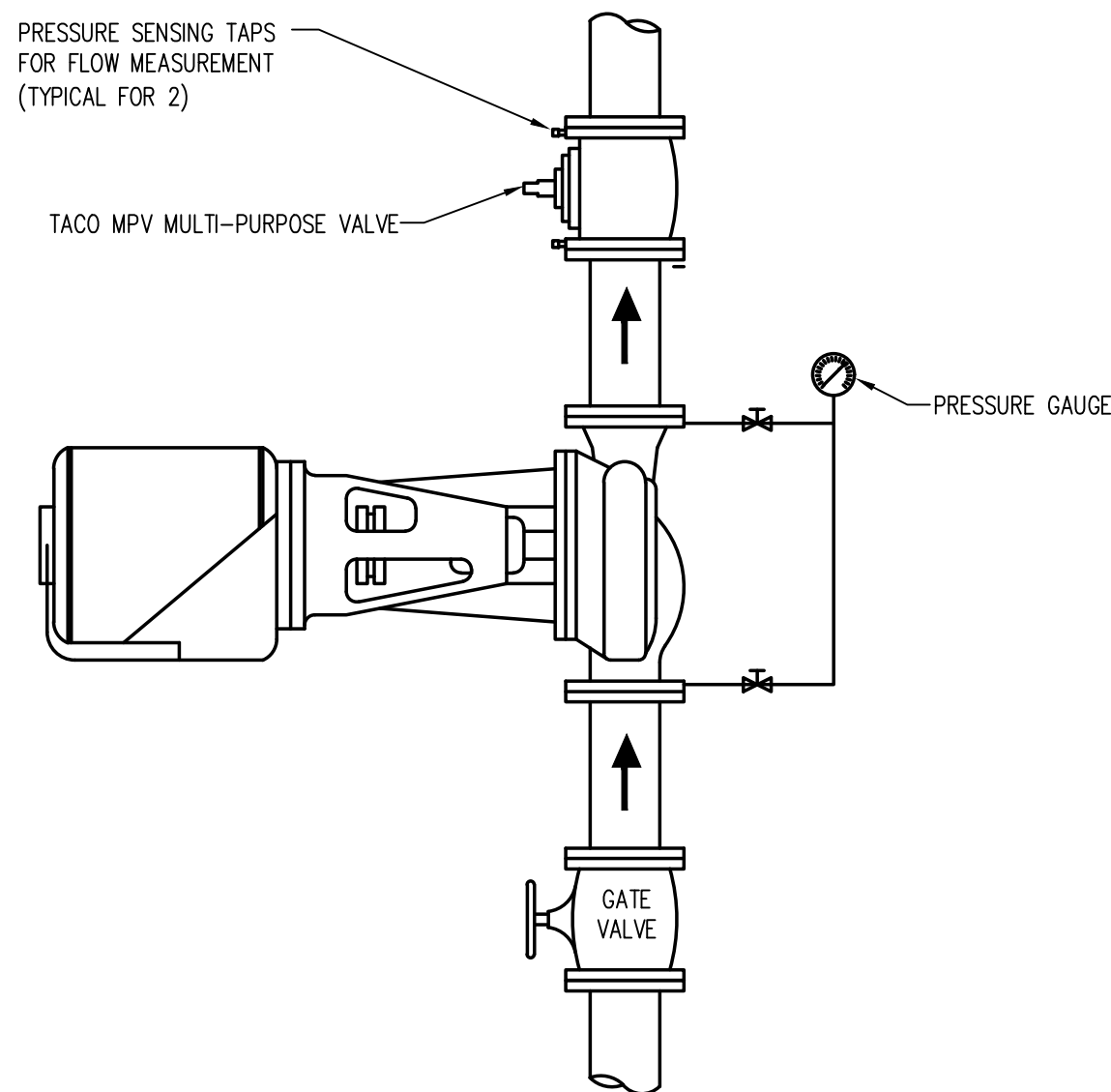
16 ROOFTOP DUCT MOUNTING DETAIL
NO SCALE



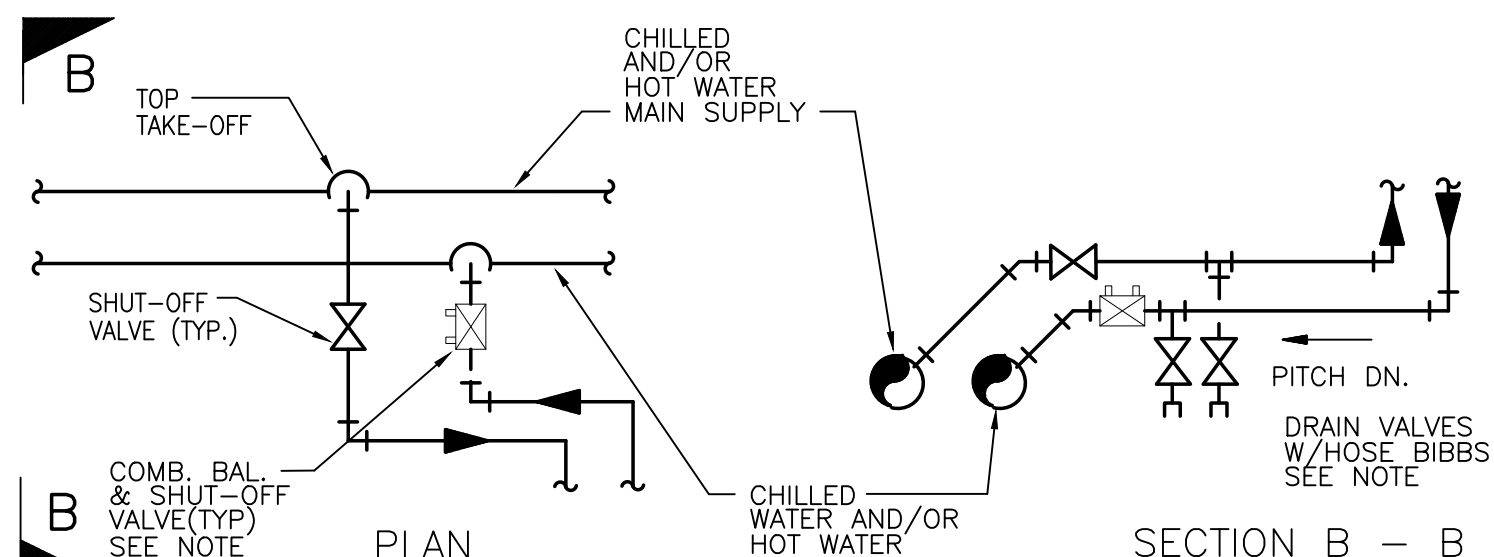
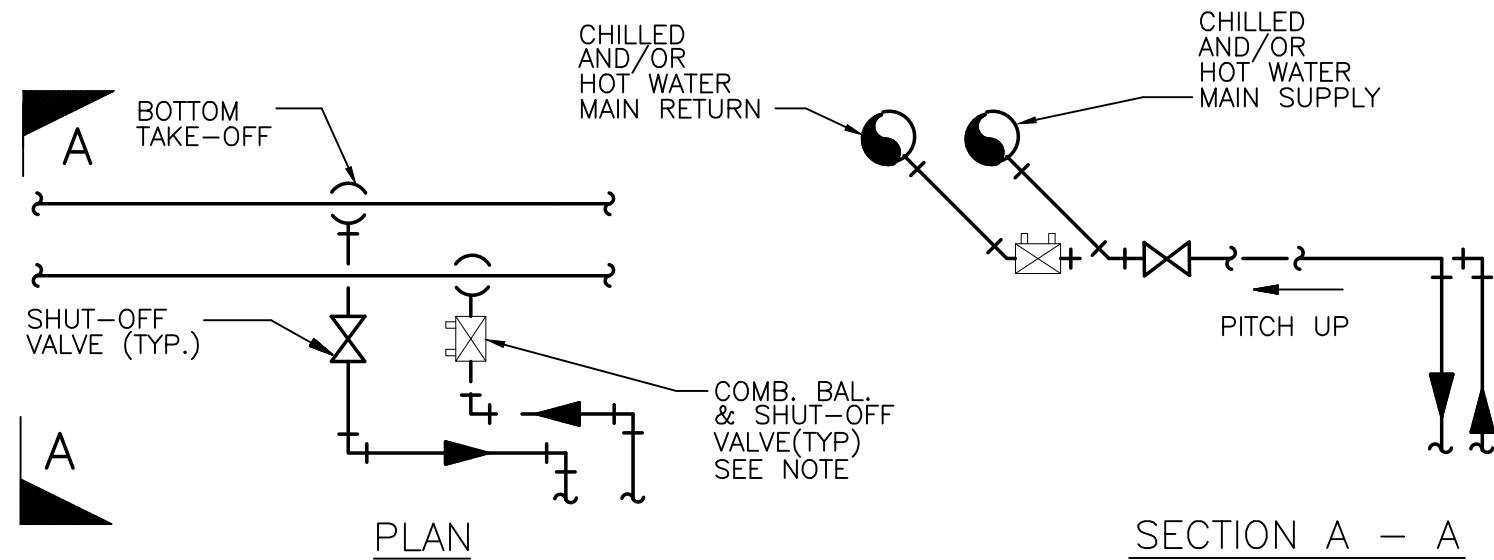
17 ERV / RTU CURB MOUNTING DETAIL
NO SCALE



18 FLUE & INTAKE THRU ROOF DETAIL
NO SCALE

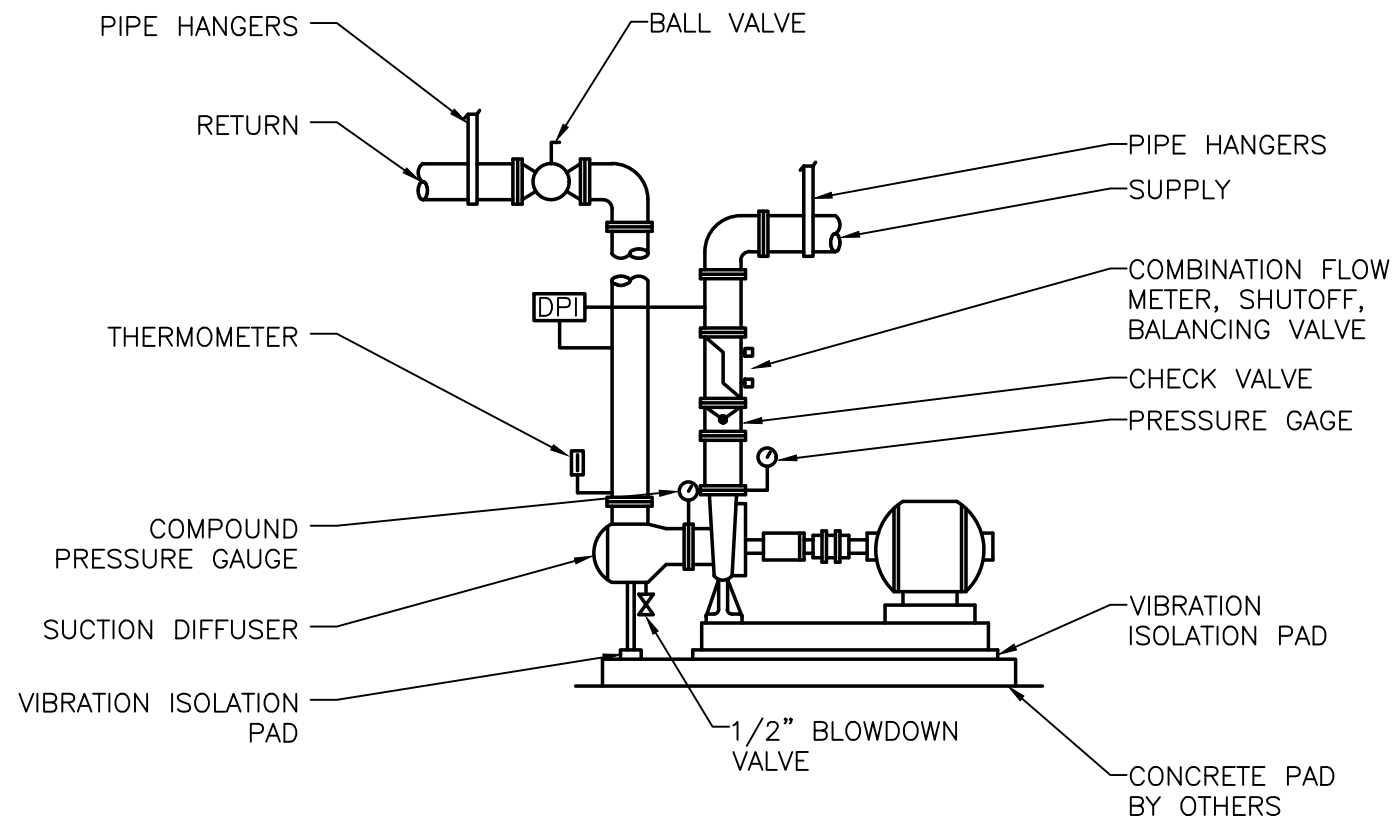


19 HORIZONTAL INLINE PUMP INSTALLATION DETAIL
NO SCALE

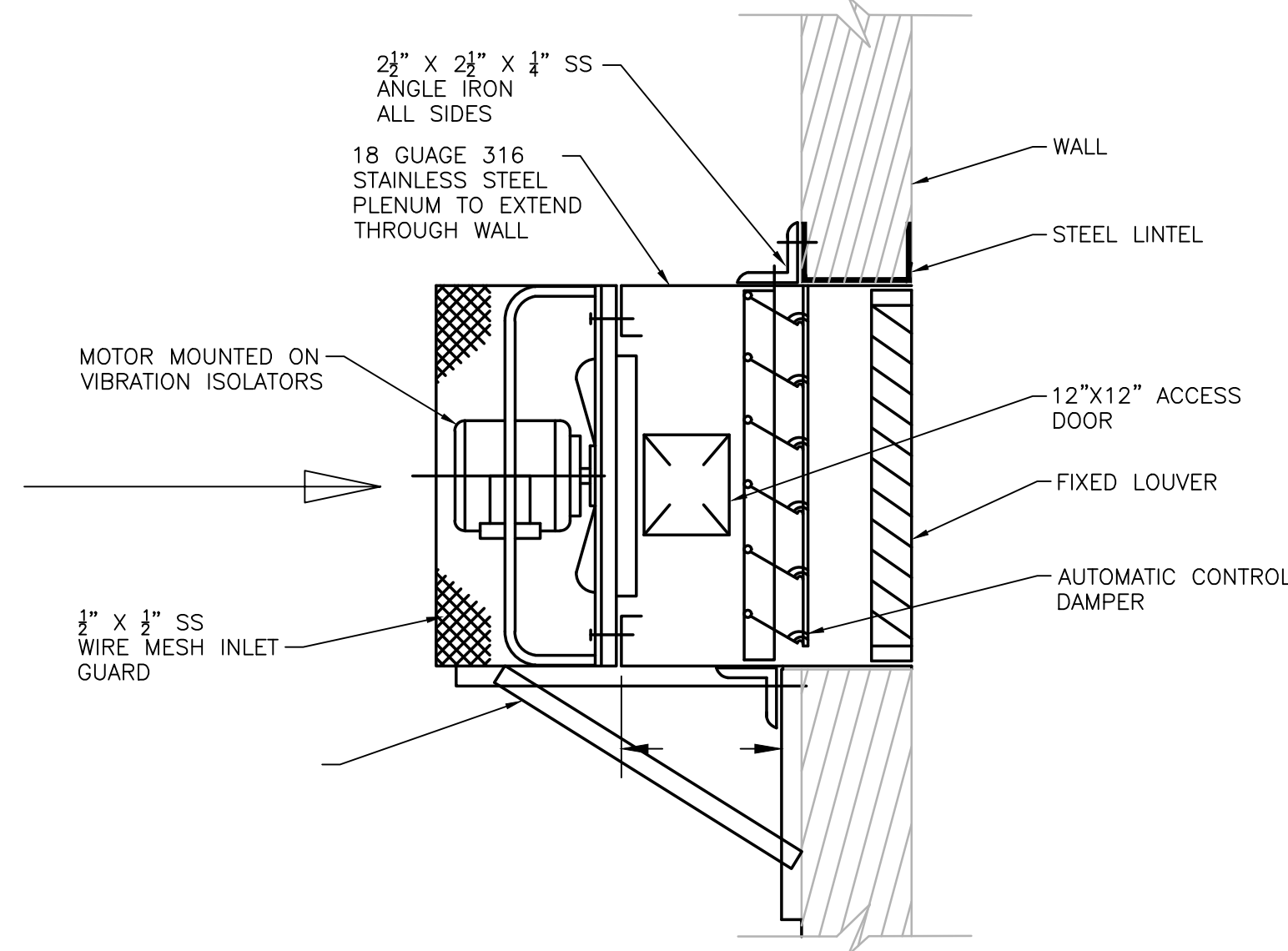


NOTE: COMBINATION FLOW MEASURING, BALANCING AND SHUT-OFF VALVES REQUIRED ON ALL BRANCHES 1 1/2" AND LARGER. PROVIDE BALL VALVES ONLY FOR ALL BRANCHES 1 1/4" AND SMALLER. PROVIDE 3/4" DRAIN VALVES WITH HOSE BIBBS CONNECTION AS SHOWN ON ALL BRANCHES 1 1/2" AND LARGER. COMBINATION FLOW MEASURING, BALANCING AND SHUT-OFF VALVES, AND DRAIN VALVES WITH HOSE BIBBS ARE ALSO REQUIRED ON ALL BRANCHES, 2 1/2" AND LARGER FROM ALL VERTICAL RISERS. SEE SPECIFICATION SECTION 15600 FOR VALVE REQUIREMENTS.

20 TYPICAL PIPING BRANCH TAKE-OFF DETAIL
NO SCALE



21 BASE MOUNTED PUMP PIPING DETAIL
NO SCALE



21 PROPELLER FAN DETAIL
NO SCALE

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

Hvac Details

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY:	RLB
-----------	-----

DESIGNED BY:	RHB
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CHECKED BY:	RHB
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ISSUE DATE:	7/2/21
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BETA JOB NO.:	6050
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SCALE

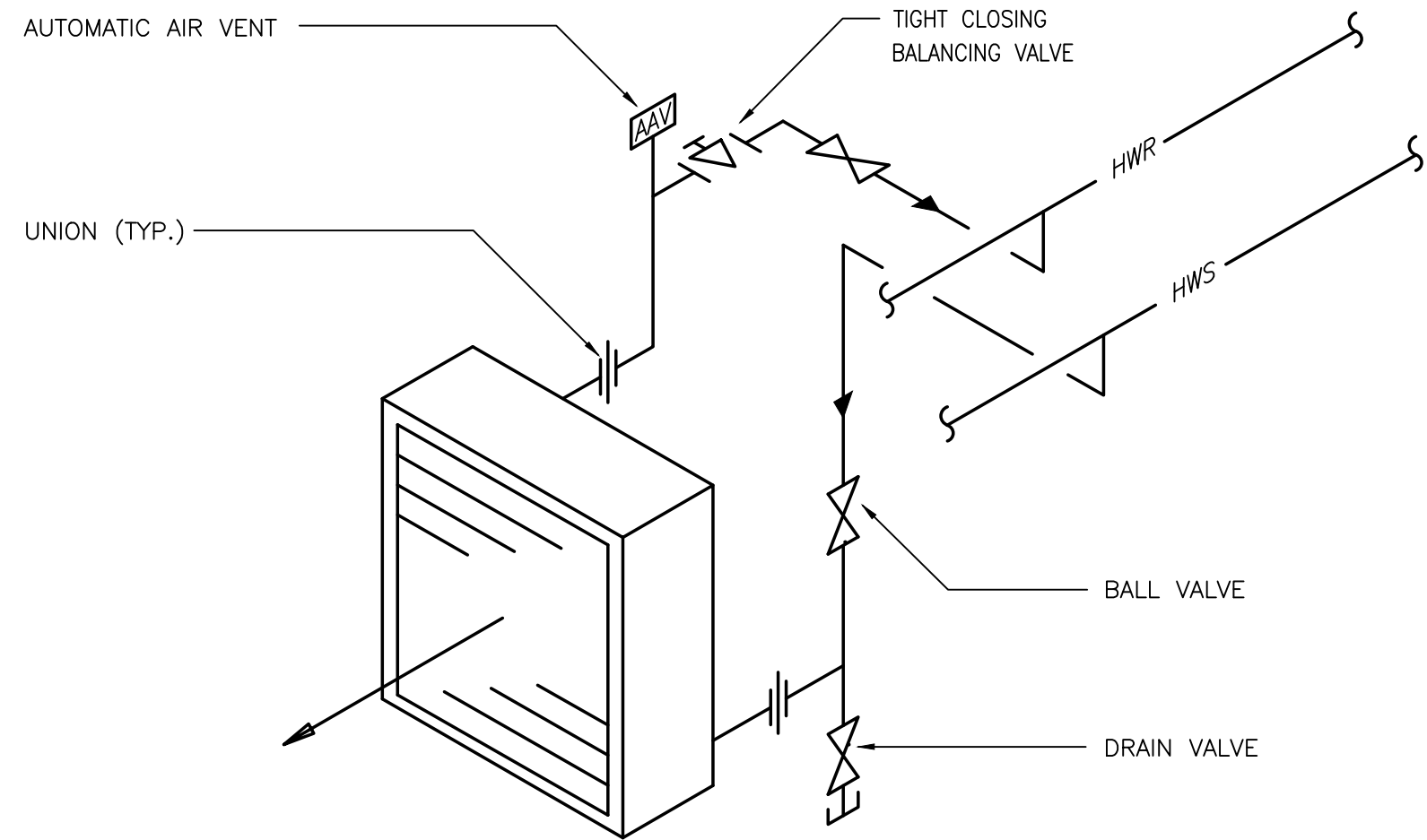
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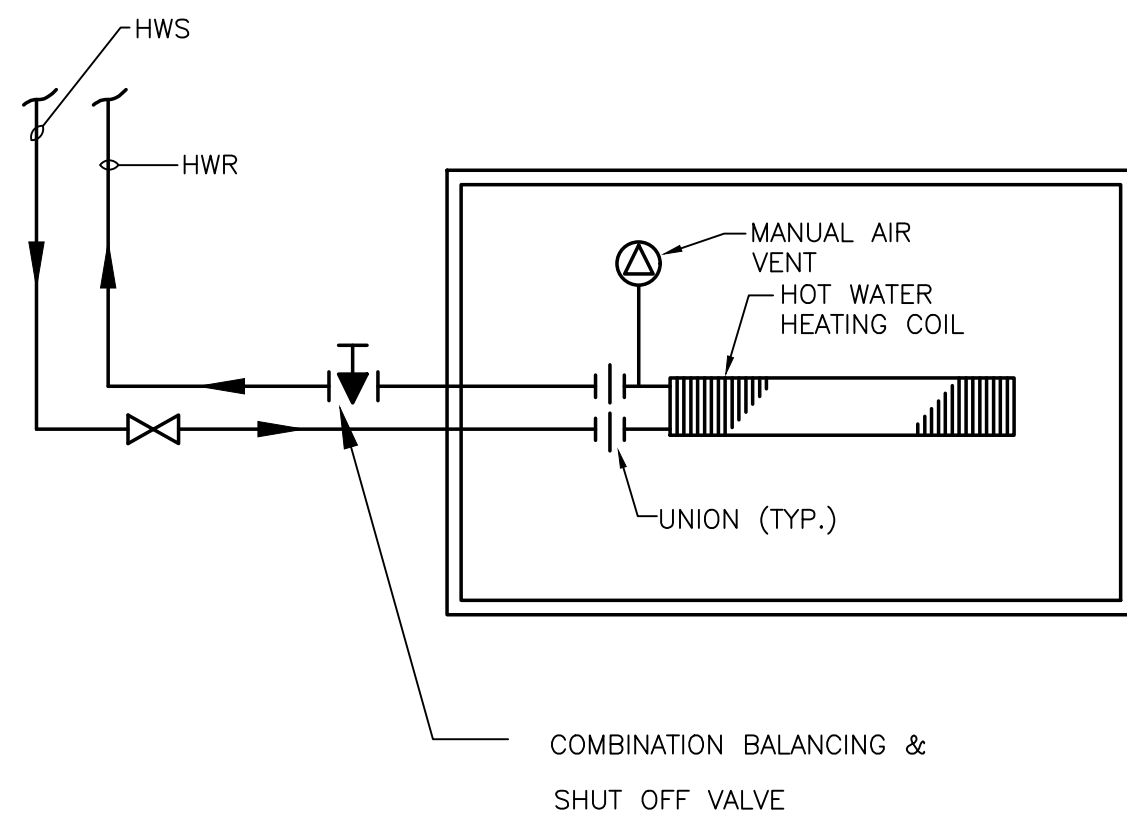
SHEET NO.

H-0.7

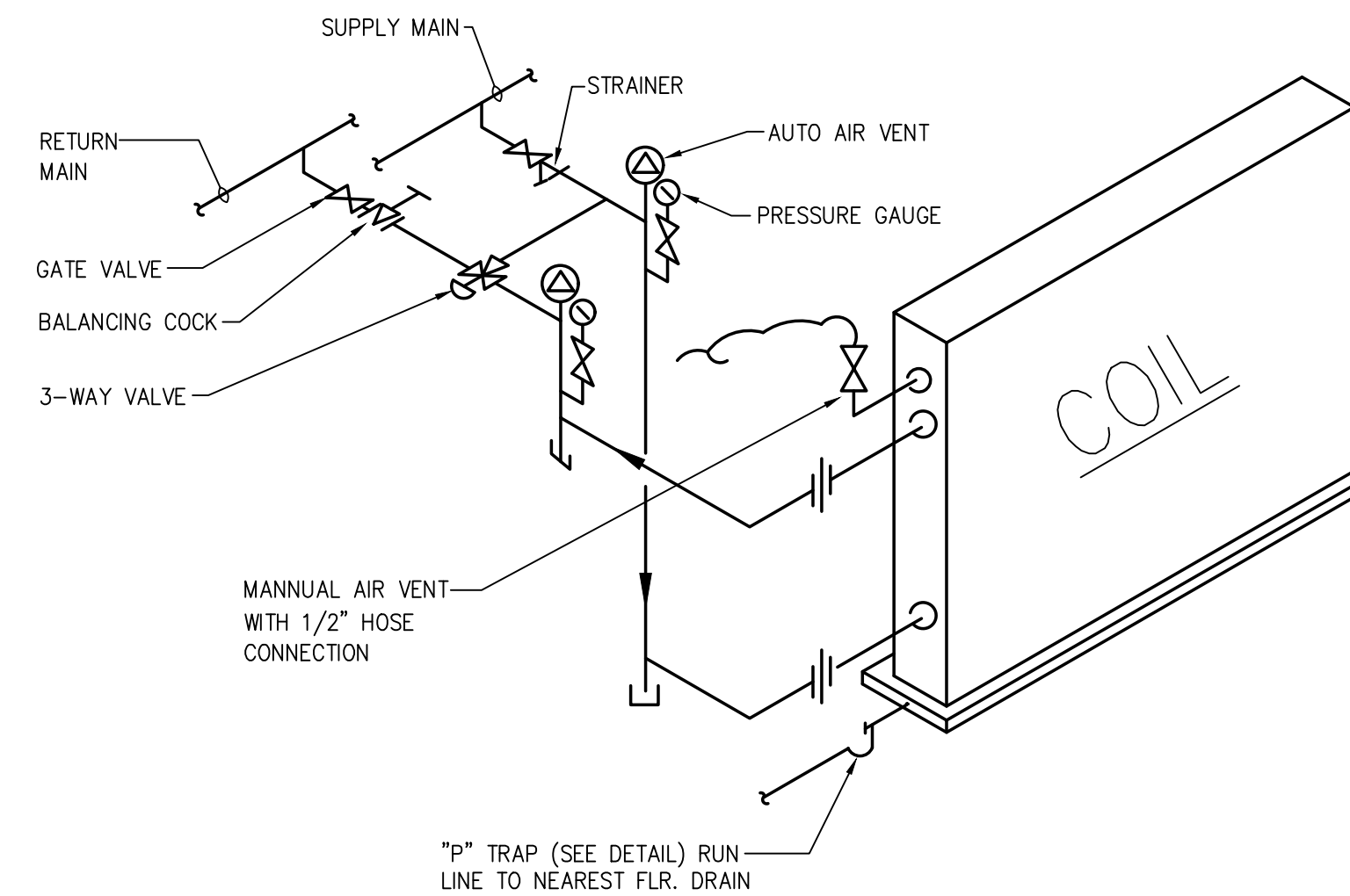
6/30/2021 9:59 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC LEGEND SCHEDULE AND DETAILS\PHASE 1.DWG (BETA STB.BW.STB)



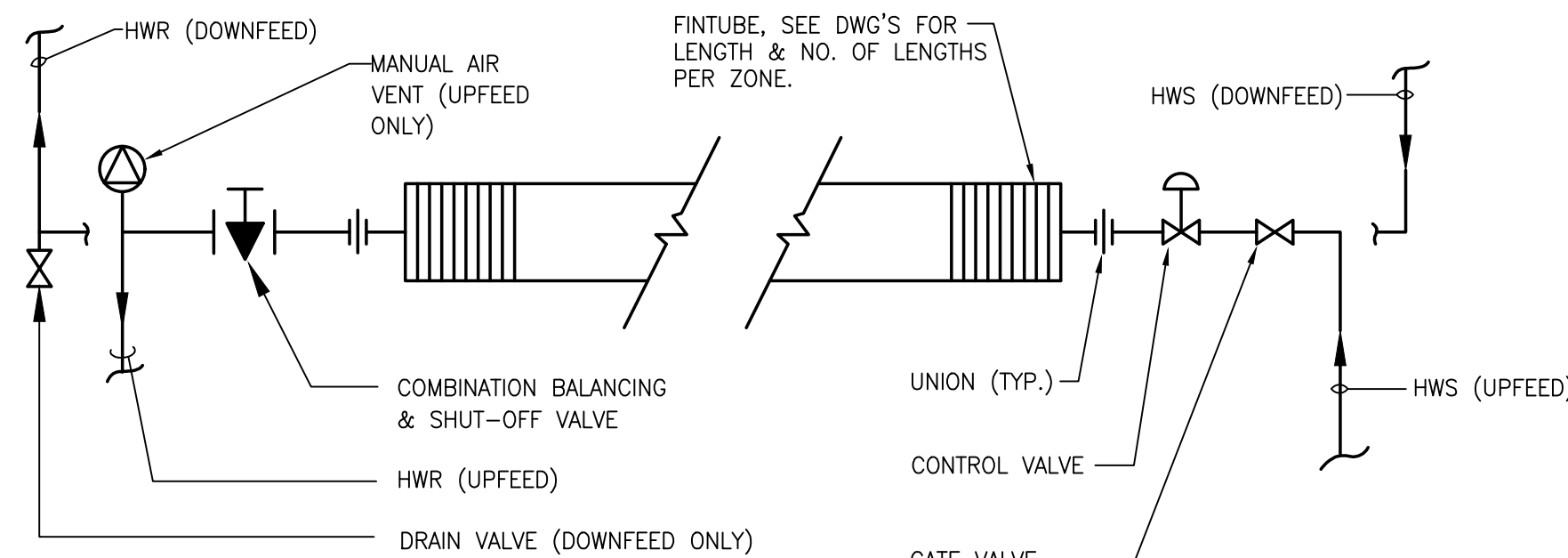
23 UNIT HEATER PIPING DETAIL
NO SCALE



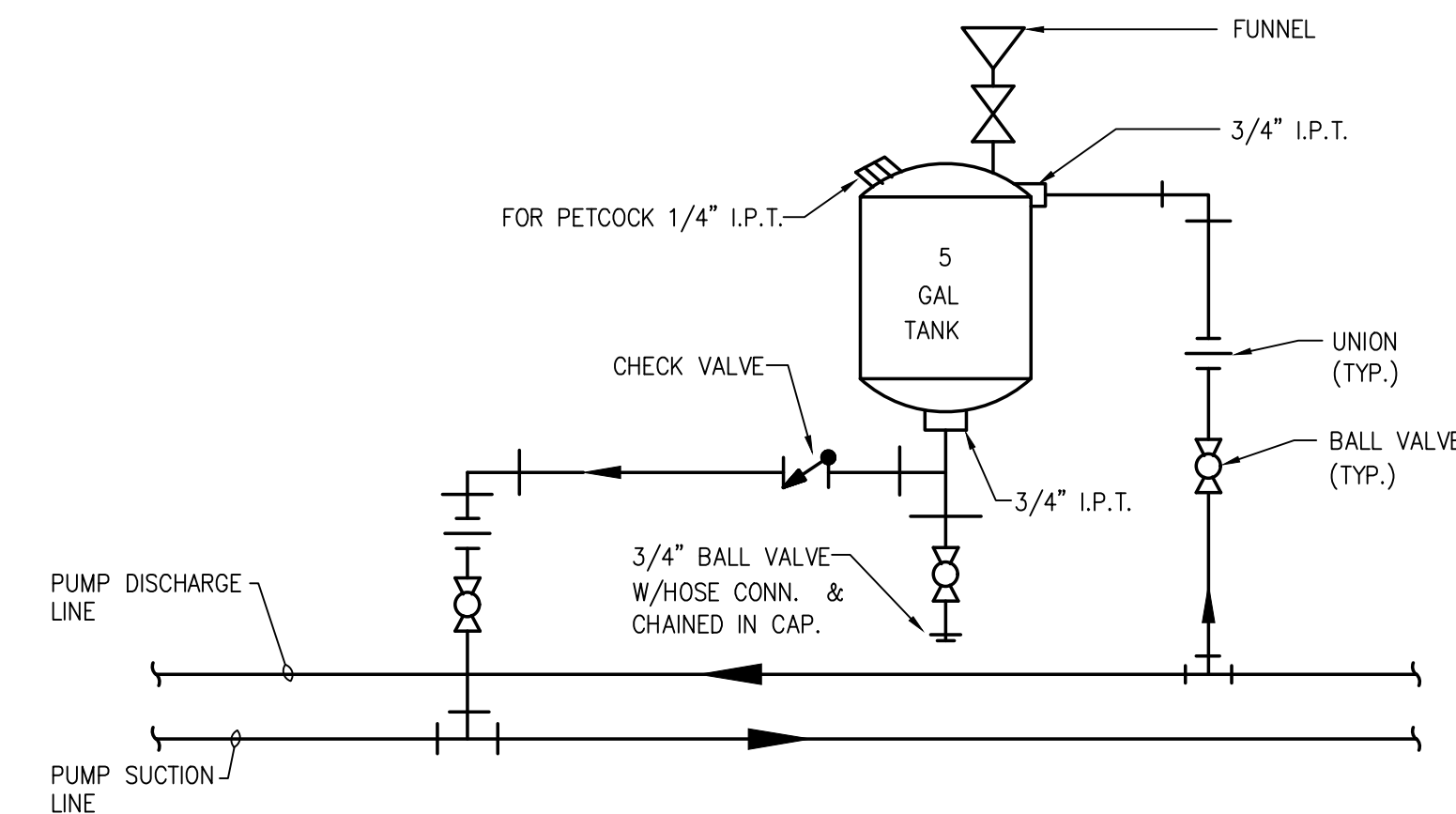
24 HORIZONTAL CABINET HEATER PIPING DETAIL
NO SCALE



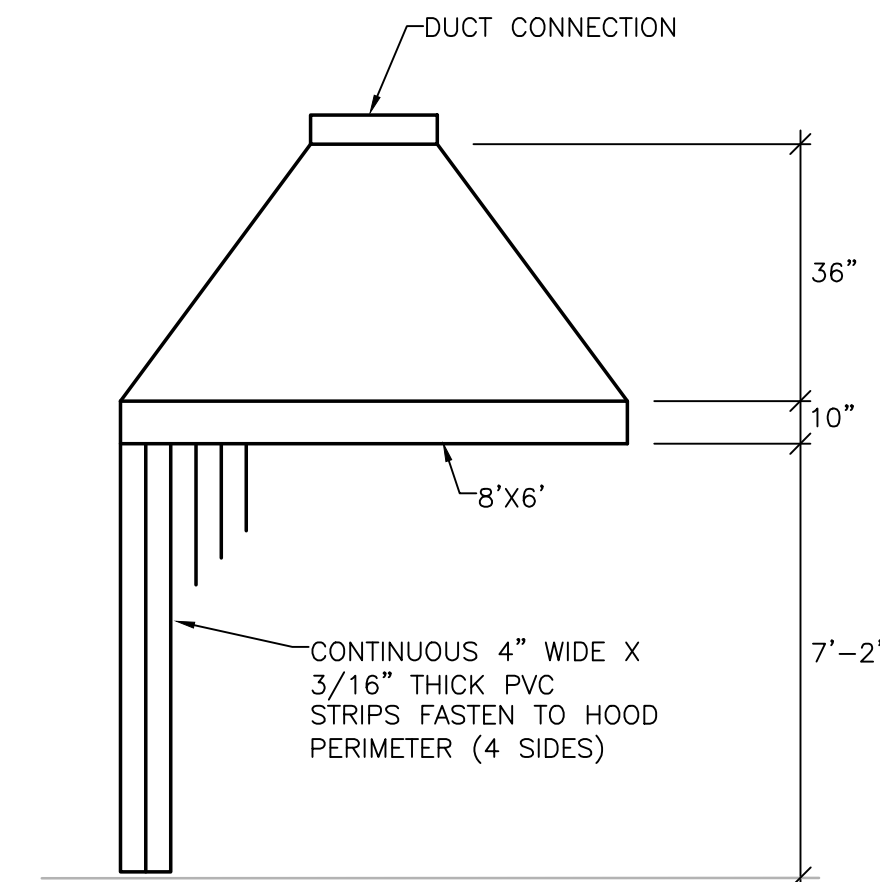
25 SINGLE COIL PIPING DETAIL
NO SCALE



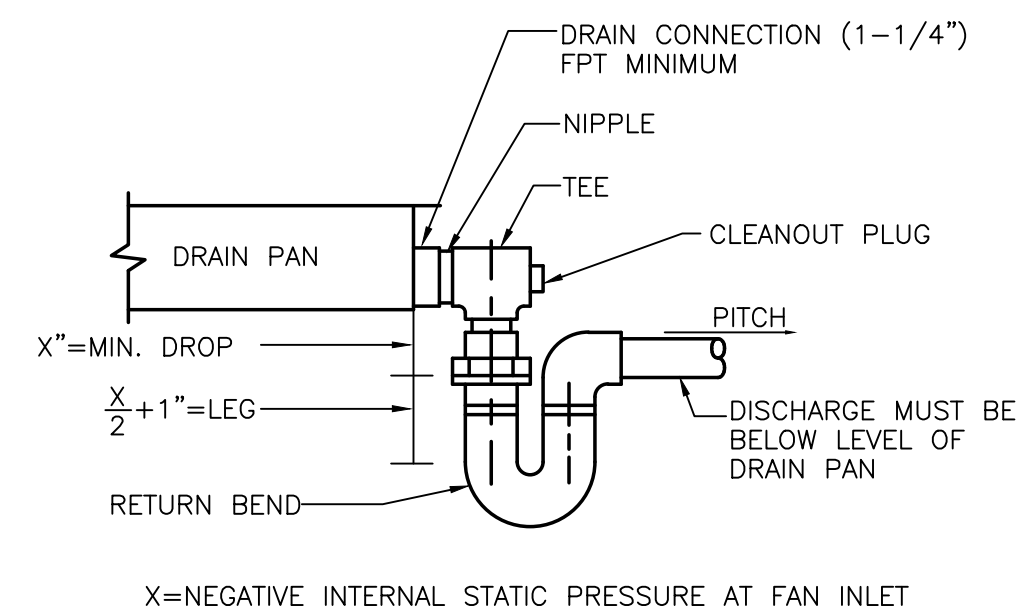
26 HOT WATER FINOTUBE RADIATION ZONE PIPING DETAIL
NO SCALE



27 CHEMICAL SHOT FEEDER PIPING DETAIL
NO SCALE

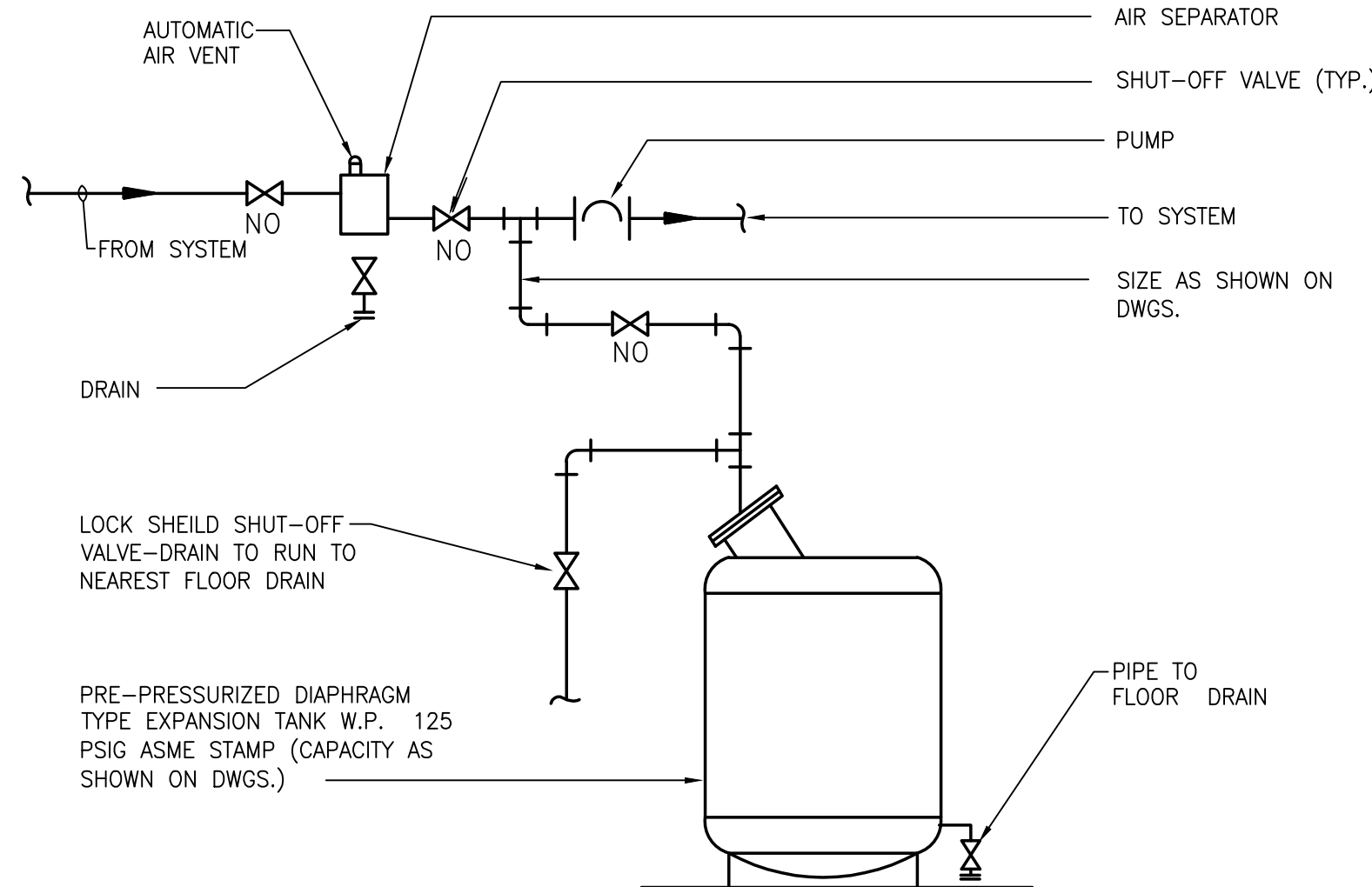


28 TYPICAL EXHAUST HOOD
NO SCALE

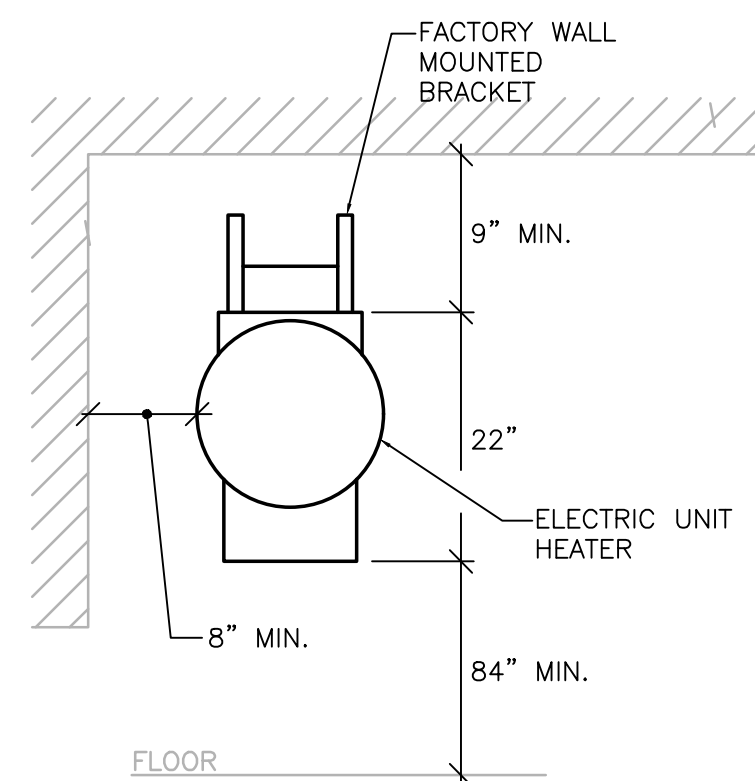


- NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
 2. PITCH DRAIN FOR PROPER RUN-OFF
 3. MANUALLY, PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL
 4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW

29 DRAIN PAN WATER SEAL PIPING DETAIL
NO SCALE



30 TYPICAL DETAIL PIPING CONNECTIONS TO EXPANSION TANKS
NO SCALE



31 ELEC UNIT HEATER MOUNTING DETAIL
NO SCALE

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Details

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY:	RLB
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DESIGNED BY:	RHB
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CHECKED BY:	RHB
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ISSUE DATE:	7/2/21
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BETA JOB NO.:	6050
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SCALE

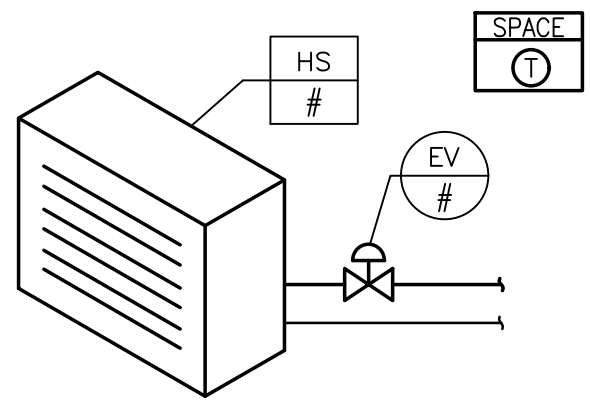
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UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

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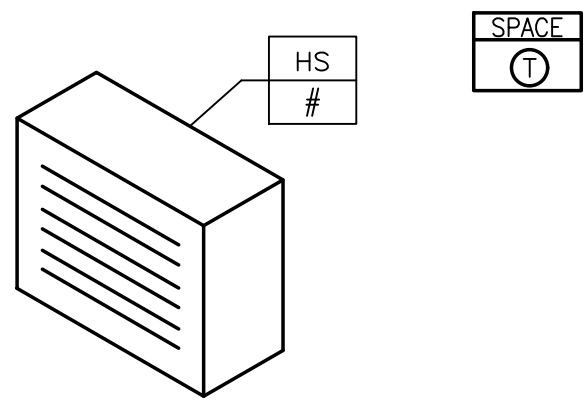
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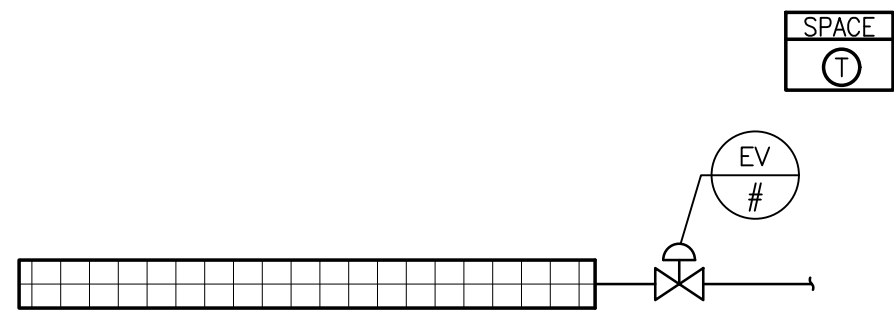
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TYPICAL UNIT HEATER
CONTROL DIAGRAM
NO SCALE



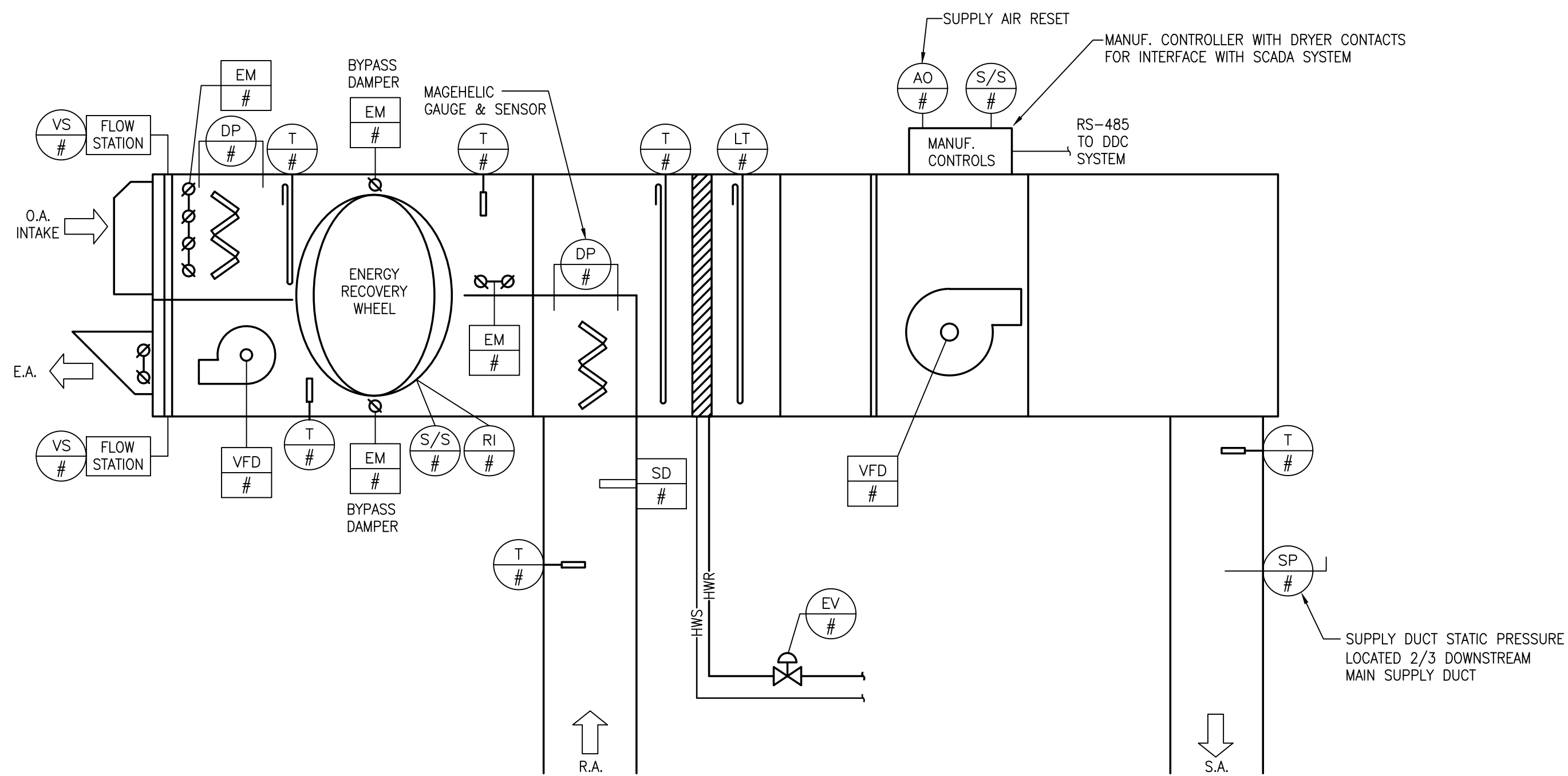
2

TYPICAL ELECTRIC CABINET & UNIT
HEATER CONTROL DIAGRAM
NO SCALE



3

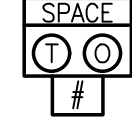
TYPICAL BASEBOARD HEAT
CONTROL DIAGRAM
NO SCALE



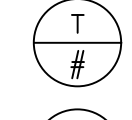
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TYPICAL ENERGY RECOVERY UNIT CONTROL DIAGRAM
NO SCALE

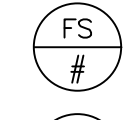
CONTROLS LEGEND



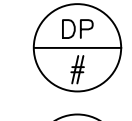
WALL MOUNTED SPACE TEMPERATURE THERMOSTAT AND/OR
OCCUPANCY OVER-RIDE BUTTON



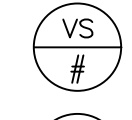
WATER TEMPERATURE SENSOR/THERMOSTAT



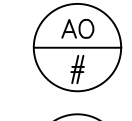
DIFFERENTIAL PRESSURE FLOW SENSOR (AIR)
PADDLE FLOW SENSOR (WATER)



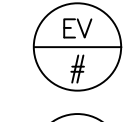
FILTER DIFFERENTIAL SENSOR



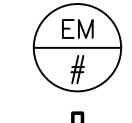
VELOCITY TRANSDUCER



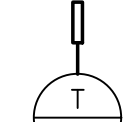
ANALOG OUTPUT FROM EMS



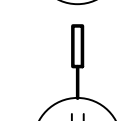
ELECTRONIC VALVE ACTUATOR



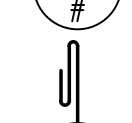
ELECTRONIC DAMPER MOTOR ACTUATOR



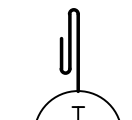
DUCT MOUNTED TEMPERATURE SENSOR/THERMOSTAT



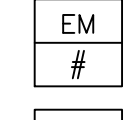
DUCT MOUNTED RELATIVE HUMIDITY SENSOR



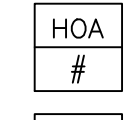
DUCT MOUNTED LOW TEMP. FREEZE THERMOSTAT



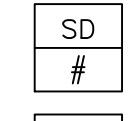
DUCT MOUNTED AVERAGING THERMOSTAT



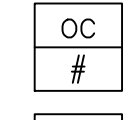
ELECTRONIC MOTORIZED DAMPER ACTUATOR



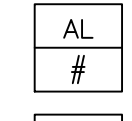
HAND-AUTO-OFF STARTER



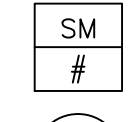
DUCT SMOKE DETECTOR (FURNISHED BY OTHERS)



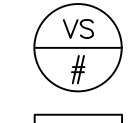
OCCUPANCY SENSOR (COORDINATE W/ ELECTRICAL)



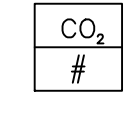
ALARM (DIGITAL AND ANALOG)



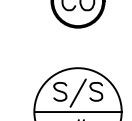
KITCHEN HOOD SMOKE SENSOR



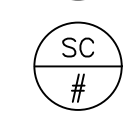
VELOCITY SENSOR



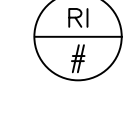
CO₂ SENSOR



CO SENSOR



START-STOP



SPEED CONTROL



RELAY INPUT

ASC APPLICATION SPECIFIC CONTROLLER

BC BUILDING CONTROLLER

CAC CUSTOM APPLICATION CONTROLLER

DDCFP DDC FIELD PANEL

CONNECT NEW TO EXISTING

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 1

Taunton, MA

TITLE

Hvac Details

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY:	RLB
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DESIGNED BY:	RHB
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CHECKED BY:	RHB
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ISSUE DATE:	7/2/21
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BETA JOB NO.:	6050
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SCALE

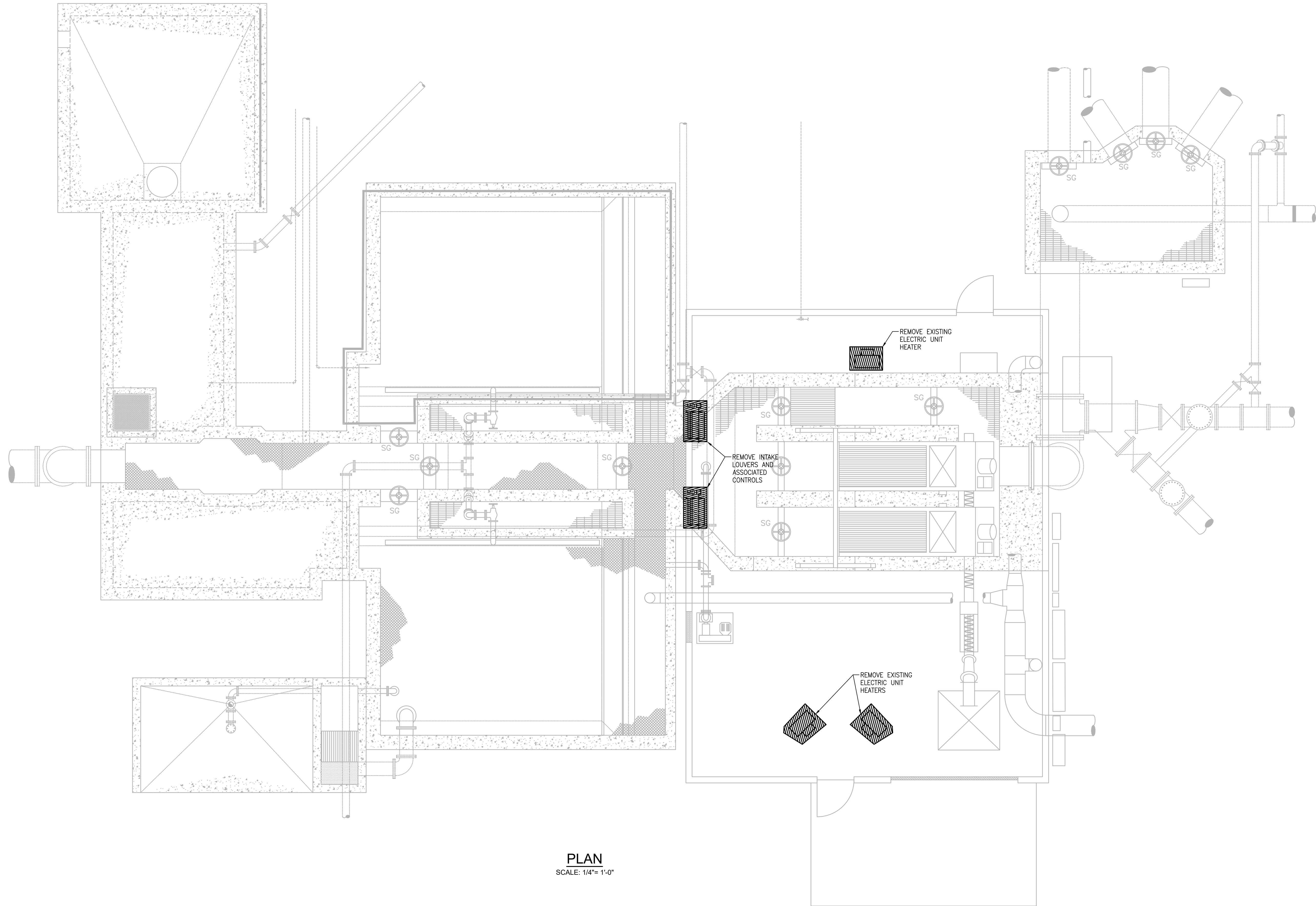
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SHEET NO.

H-0.9

6/30/2021 9:56 AM - W:\T-PROJECT\ST-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW STB)



PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Demolition
Headworks
Plan**

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY:	RLB
DESIGNED BY:	RHB
CHECKED BY:	RHB
ISSUE DATE:	7/2/21
BETA JOB NO.:	6050

SCALE

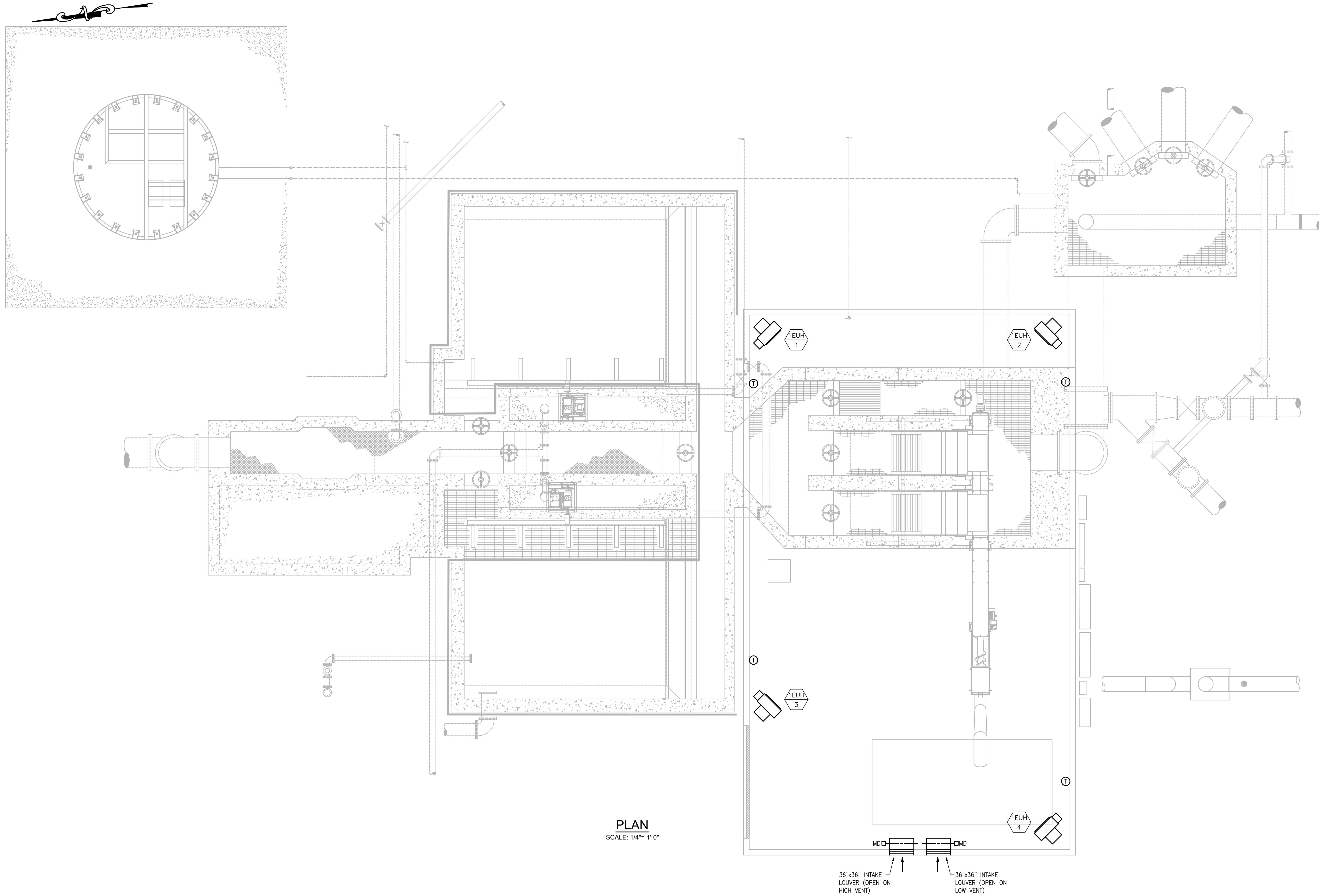
AS SHOWN

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SHEET NO.

H-1.1

6/30/2021 9:57 AM - W:\T-PROJECT\ST-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC HEADWORKS PHASE 1.DWG (BETA STB.BW.STB)



PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac
Headworks
Plan

NO.	REVISIONS	DATE
-----	-----------	------

DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

SCALE

AS SHOWN

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SHEET NO.

H-1.2



SCALE: 1/8"= 1'-0"



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COMMONWEALTH OF MASSACHUSETTS
ROBERT H. BROWN
MECHANICAL
NO. 45335
REGISTERED
PROFESSIONAL ENGINEER

SAR
ENGINEERING, INC.

Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617 328-9215
web: www.sar.com

Taunton Wastewater Treatment Facility Improvements Phase 1

Hvac Primary Clarifiers Demolition Plan

NO.	REVISIONS	DATE
DRAWN BY:	RLB	
DESIGNED BY:	RHB	
CHECKED BY:	RHB	
ISSUE DATE:	7/2/21	
BETA JOB NO.:	6050	

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H-2.1



H-2.2



SCALE: 1/8"= 1'-0"



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ENGINEERING, INC.

Mechanical/Electrical Engineers
50 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
Tel: 781-328-9215
Web: www.sar.com

Taunton Wastewater Treatment Facility Improvements Phase 1

Hvac Pipe Gallery New Work Roof Plan

[illegible]

O.	REVISIONS	DATE
DRAWN BY:	RLB	
DESIGNED BY:	RHB	
CHECKED BY:	RHB	
ISSUE DATE:	7/2/21	
BETA JOB NO.:	6050	

AS SHOWN

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4-2.3

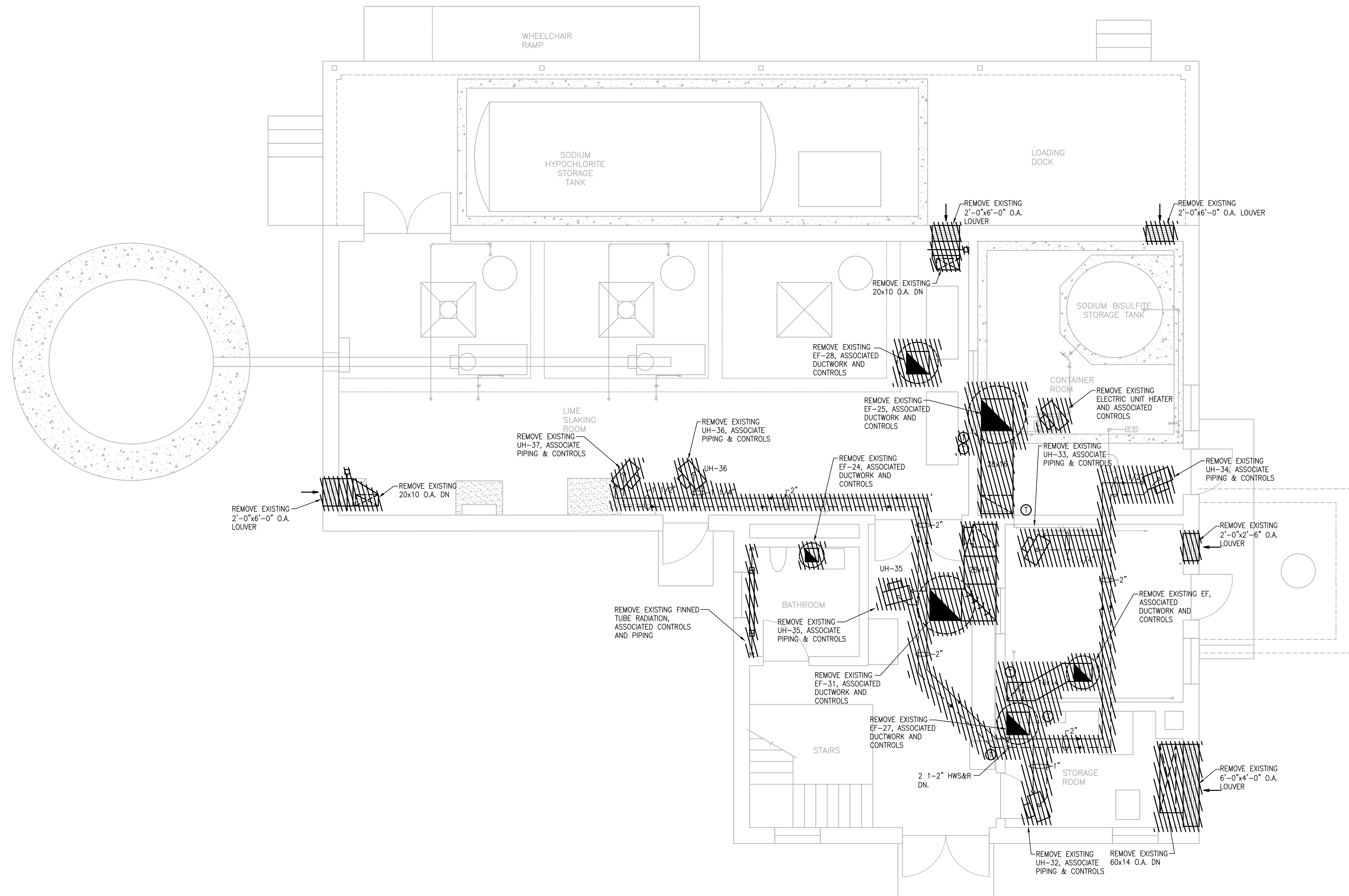


Mechanical/Electrical Engineers
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Braintree, Massachusetts 02184
617 328-9215
web: www.sar.com

Taunton Wastewater Treatment Facility Improvements Phase 1

Taunton, MA

Hvac Demolition
Chemical
Handling Building
First Floor Plan



FIRST FLOOR - PLAN
SCALE: 1/4"= 1'-0"

NO.	REVISIONS	DATE
DRAWN BY:	RLB	
DESIGNED BY:	RHB	
CHECKED BY:	RHB	
ISSUE DATE:	7/2/21	
BETA JOB NO.:	6050	

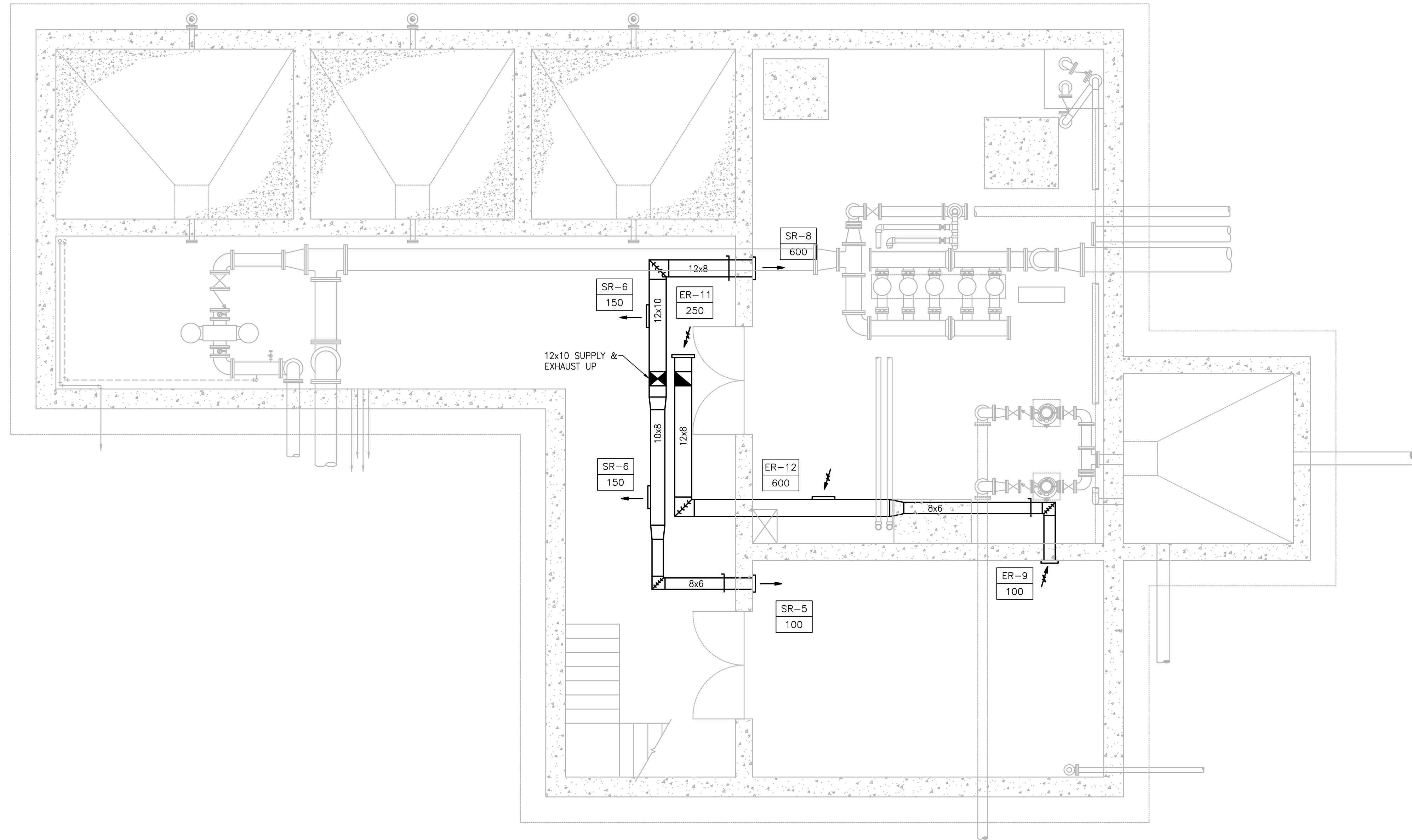
SCALE

AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

H-5.2

6/30/2021 9:53 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CHEMICAL HANDLING BUILDING PHASE 1.DWG (BETA STB BW/STB)



BASEMENT - PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Chemical
Handling Building
Basement Plan**

NO.	REVISIONS	DATE

DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

SCALE

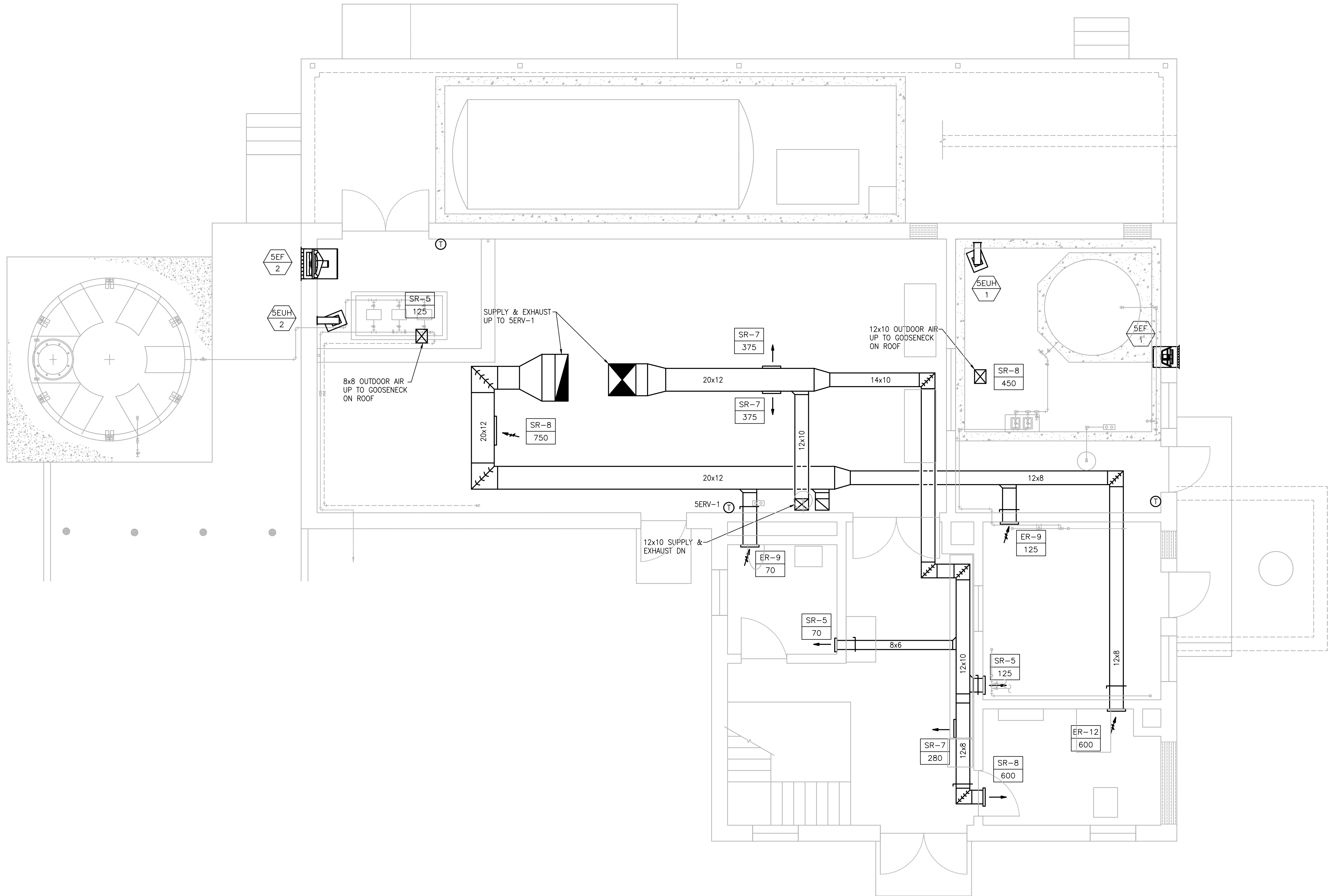
AS SHOWN

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SHEET NO.

H-5.3

6/30/2021 9:53 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CHEMICAL HANDLING BUILDING PHASE 1.DWG (BETA STB BW/STB)



FIRST FLOOR - PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Chemical
Handling Building
First Floor Plan

NO.	REVISIONS	DATE

SCALE

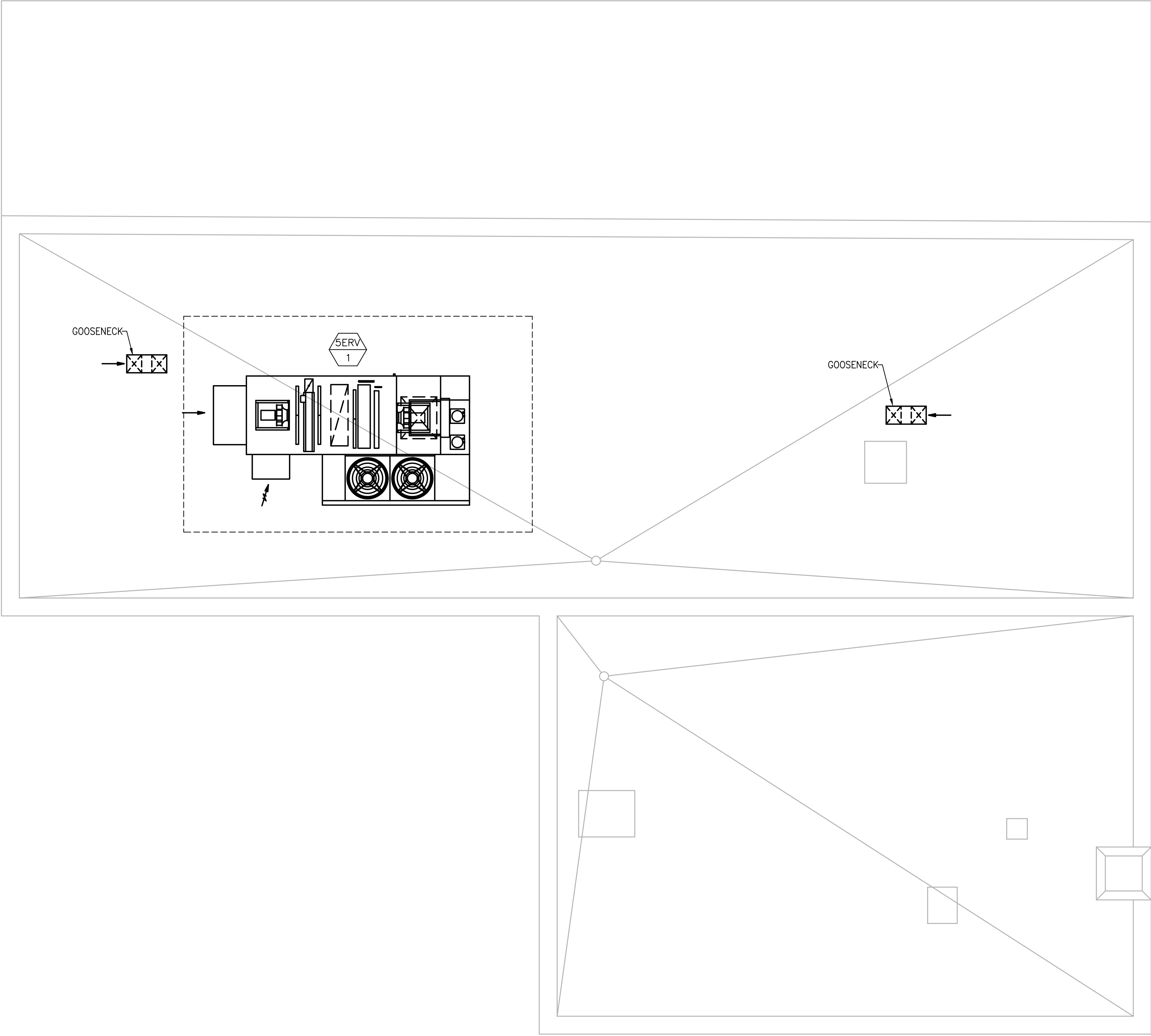
AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

H-5.4

6/30/2021 9:53 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CHEMICAL HANDLING BUILDING PHASE 1.DWG (BETA STB BW/STB)



FIRST FLOOR - PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



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150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Chemical
Handling Building
Roof Plan

NO.	REVISIONS	DATE
DRAWN BY: RLB		
DESIGNED BY: RHB		
CHECKED BY: RHB		
ISSUE DATE: 7/2/21		
BETA JOB NO.: 6050		

SCALE

AS SHOWN

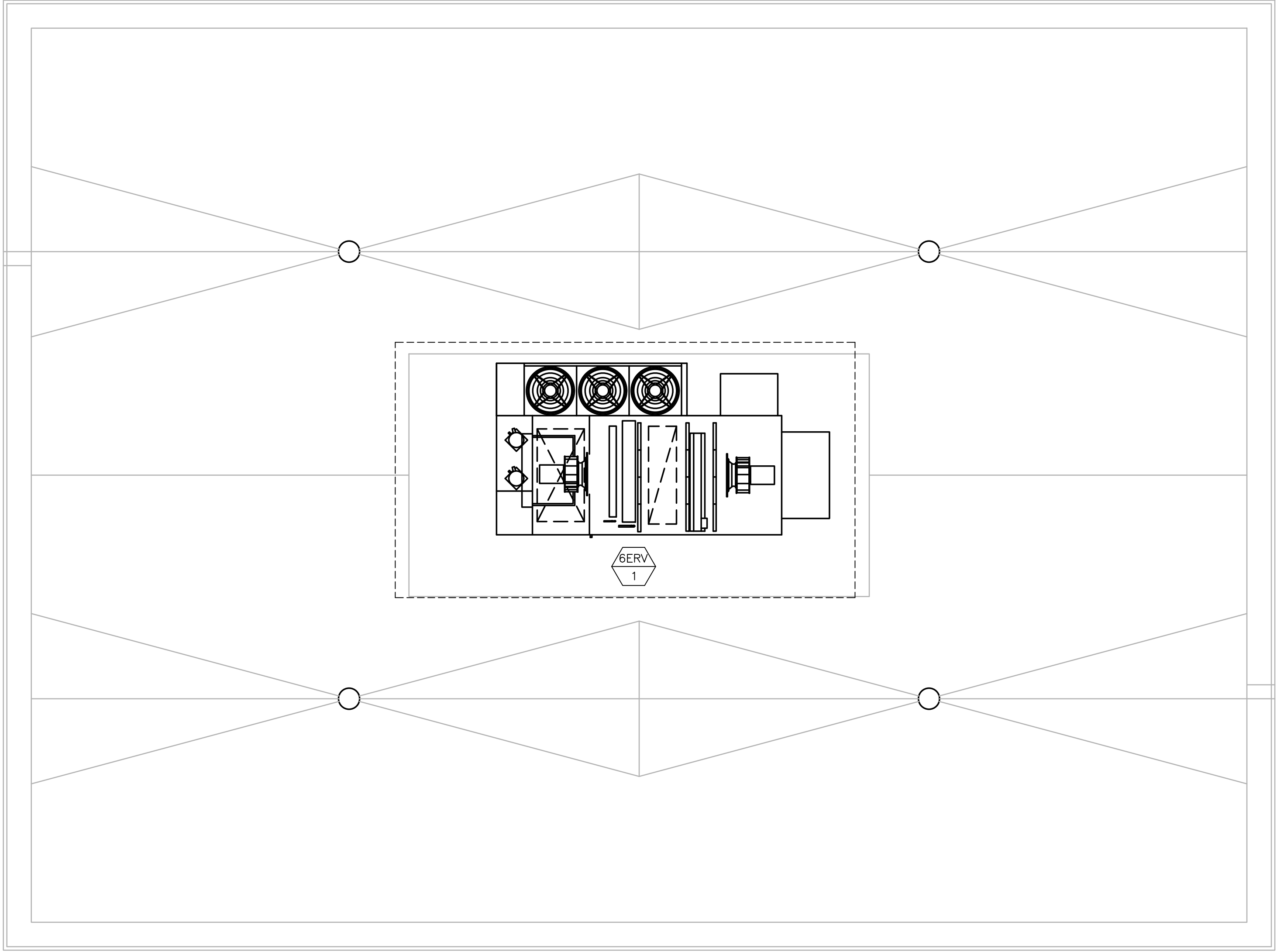
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

H-5.5

H-6.1

6/30/2021 9:54 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW.STB)



ROOF PLAN
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Blower
Building
Roof Plan

NO.	REVISIONS	DATE
DRAWN BY: RLB		
DESIGNED BY: MC		
CHECKED BY: MC		
ISSUE DATE: 7/2/21		
BETA JOB NO.: 6050		

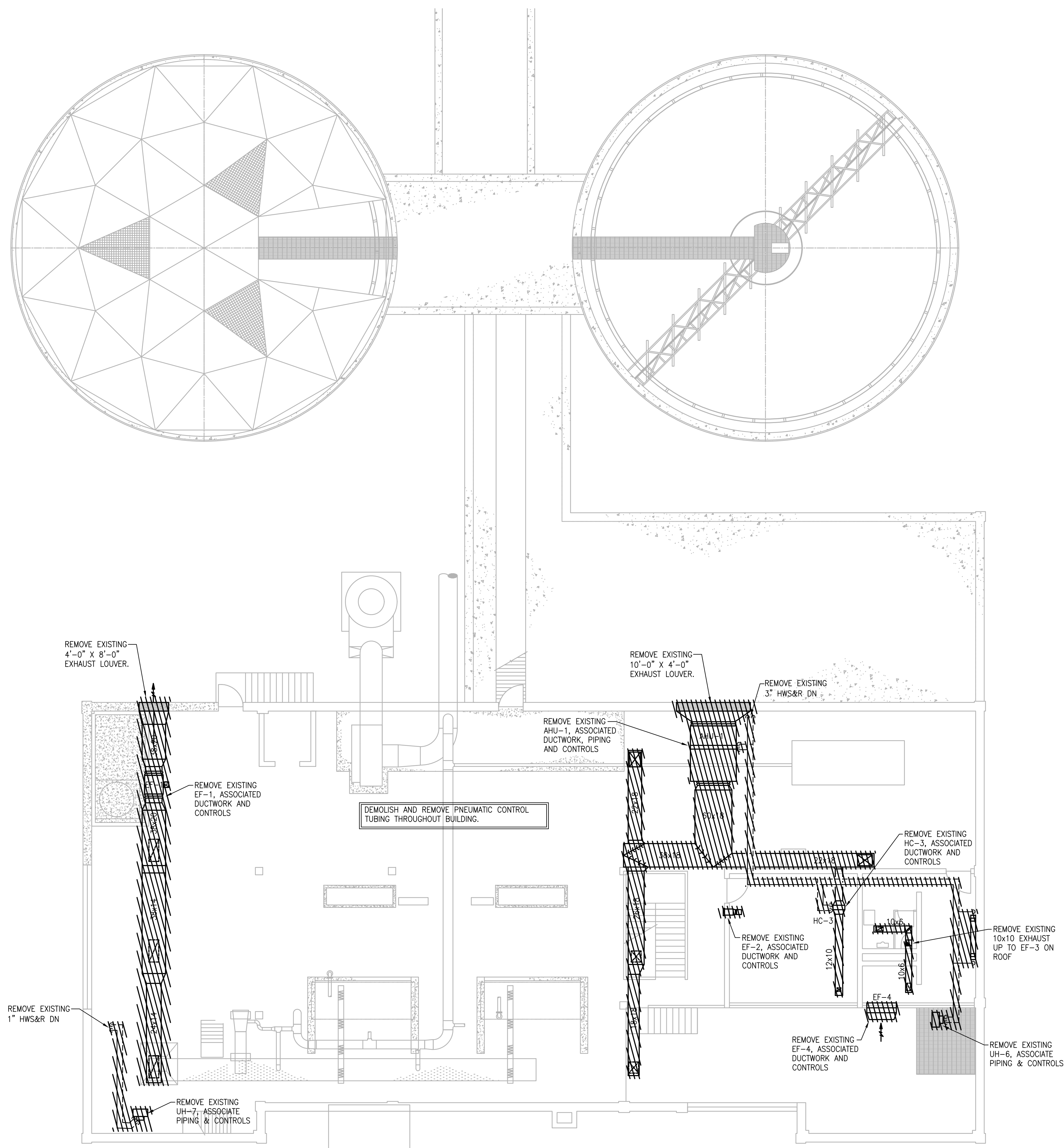
SCALE

AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

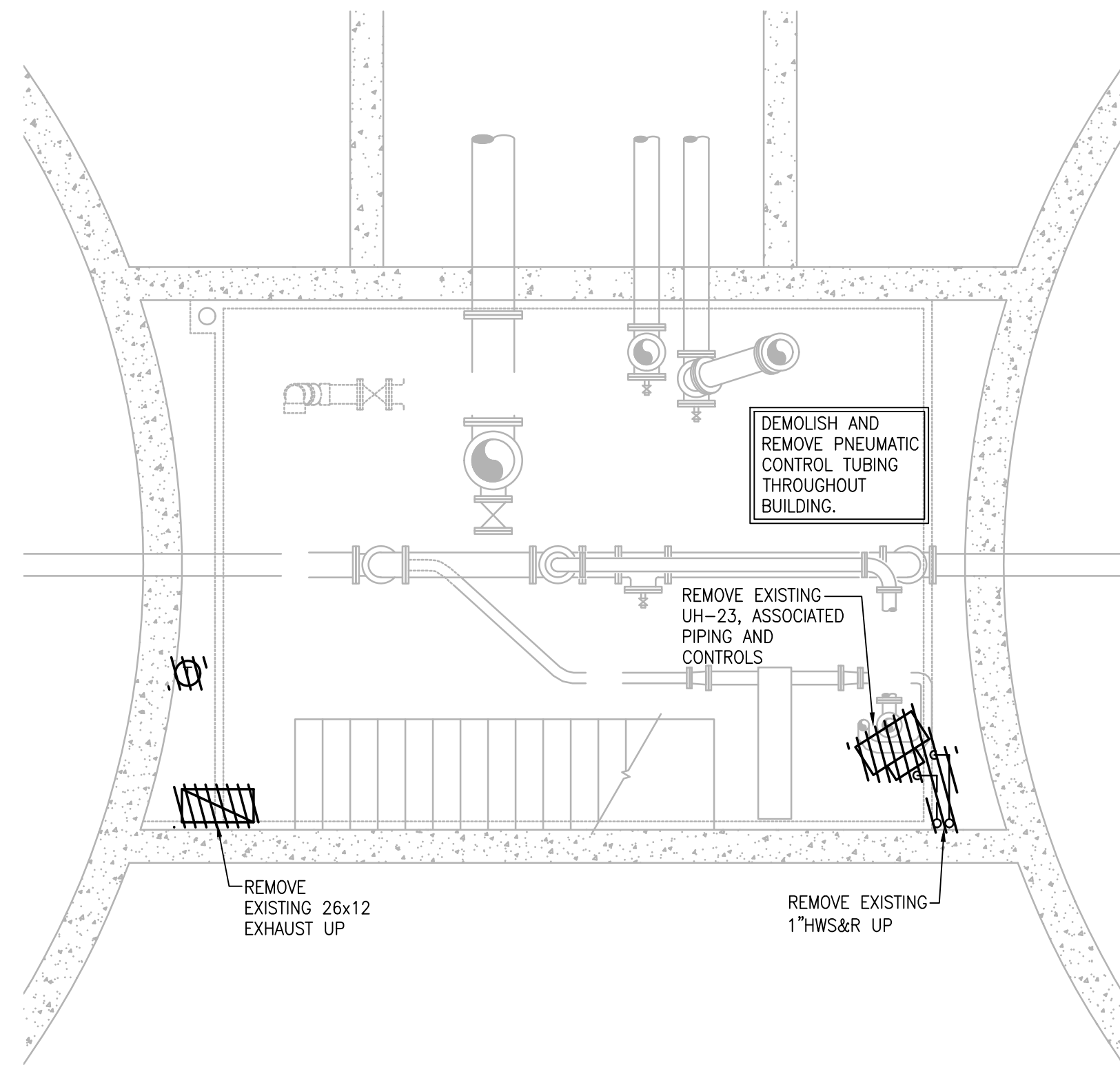
SHEET NO.

H-6.2



5/30/2021 9:48 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC SOLIDS HANDLING BUILDING-PHASE 1.DWG (BETA STB BW.STB)

SHEET NO. H-7.2



REMOVE EXISTING
UH-22, ASSOCIATED
PIPING AND
CONTROLS

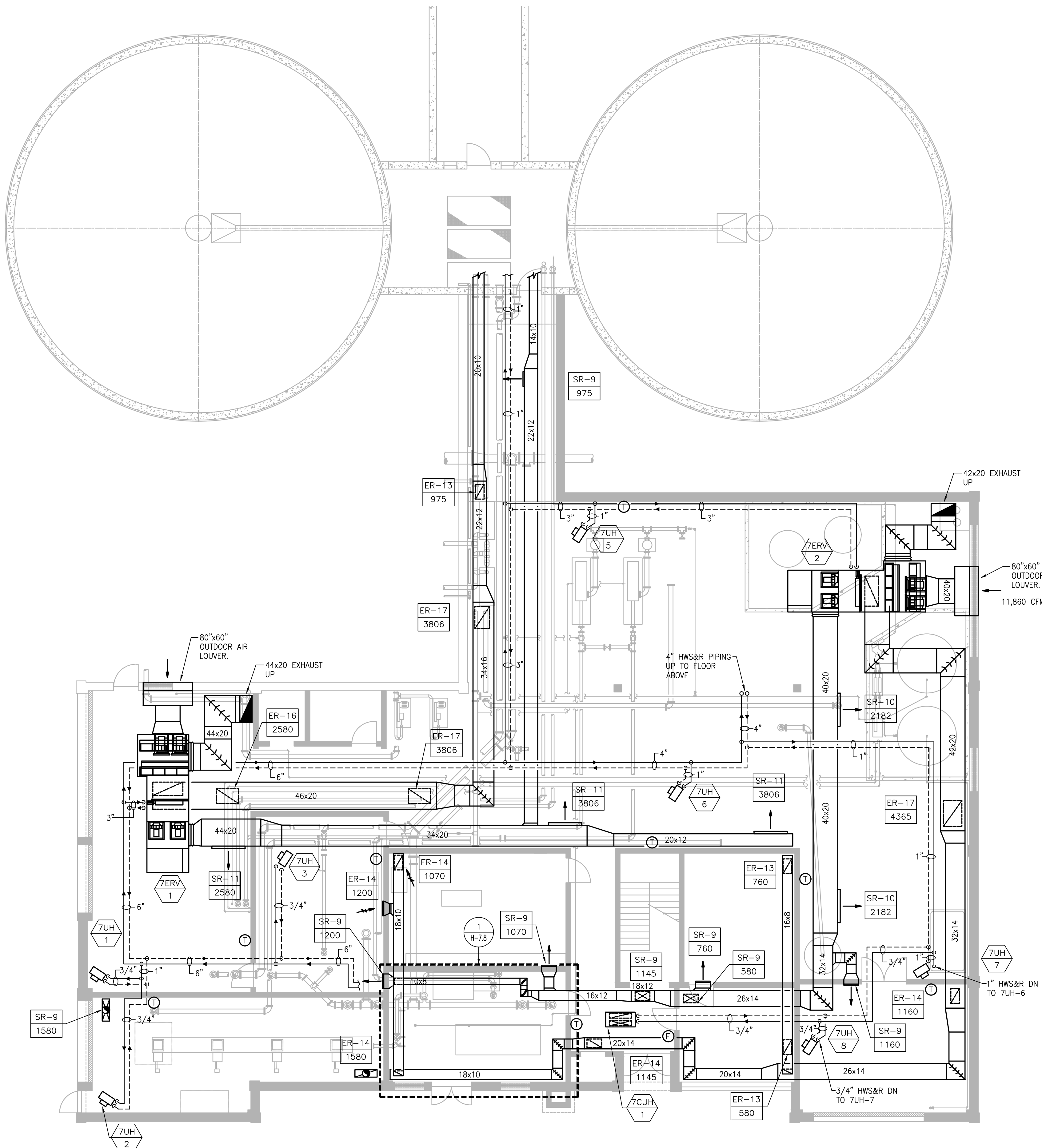
DEMOLISH AND
REMOVE PNEUMATIC
CONTROL TUBING
THROUGHOUT
BUILDING.

REMOVE EXISTING
EF-23, ASSOCIATED
DUCTWORK AND
CONTROLS

REMOVE EXISTING
3'-0" X 2'-0"
EXHAUST LOUVER.

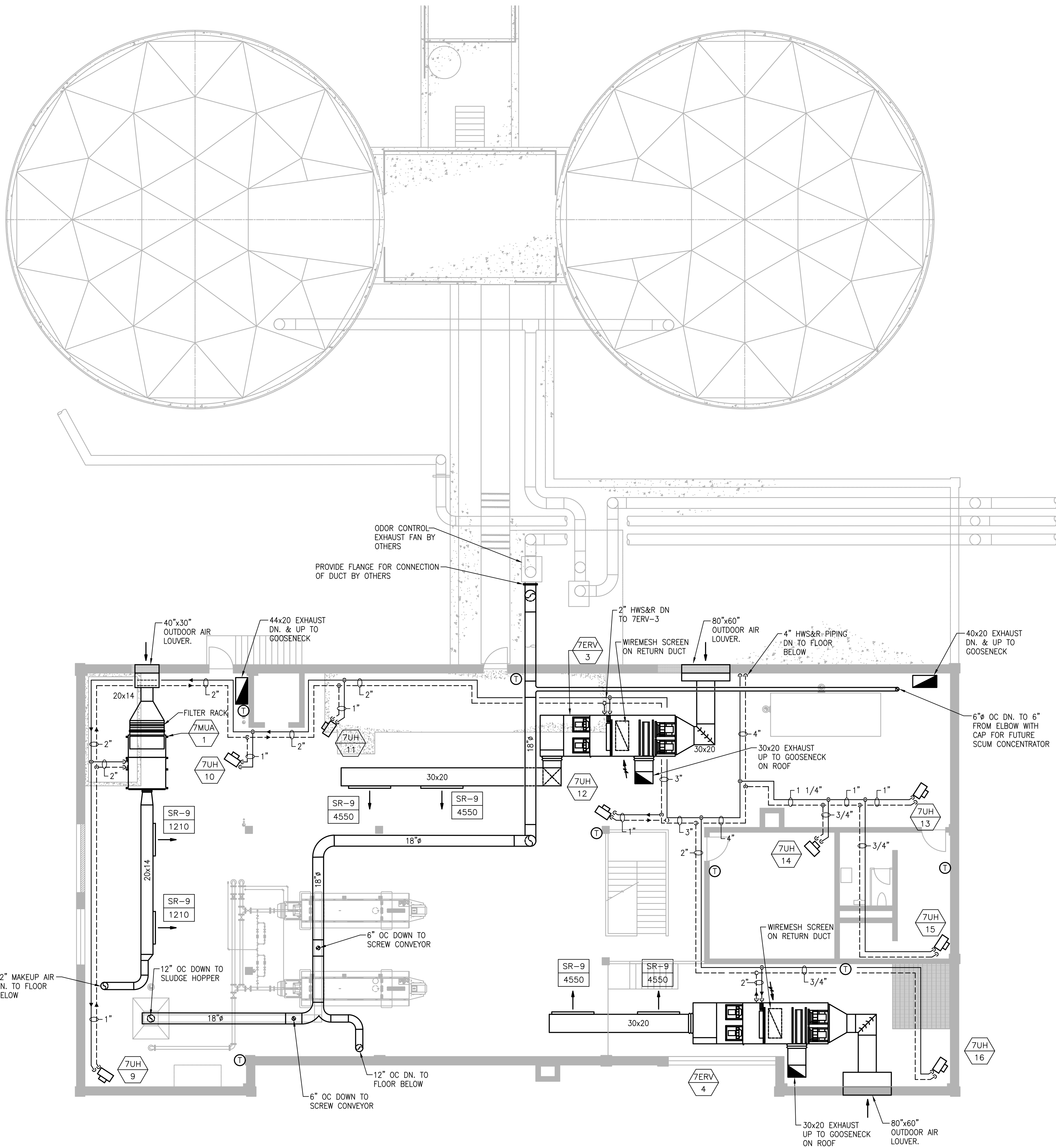
1" HWS&R DN

H-7.3



SCALE: 1/8"= 1'-0'

H-7.4



SECOND FLOOR - PLAN
SCALE: 1/8"= 1'-0"

6/30/2021 9:49 AM - W:\T-PROJECTS\18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC SOLIDS HANDLING BUILDING PHASE 1.DWG (BETA STB.BW.STB)

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac New Work
Solids Handling
Building
Second Floor
Plan

NO.	REVISIONS	DATE
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DRAWN BY:	RLB
DESIGNED BY:	RHB
CHECKED BY:	RHB
ISSUE DATE:	7/2/21
BETA JOB NO.:	6050

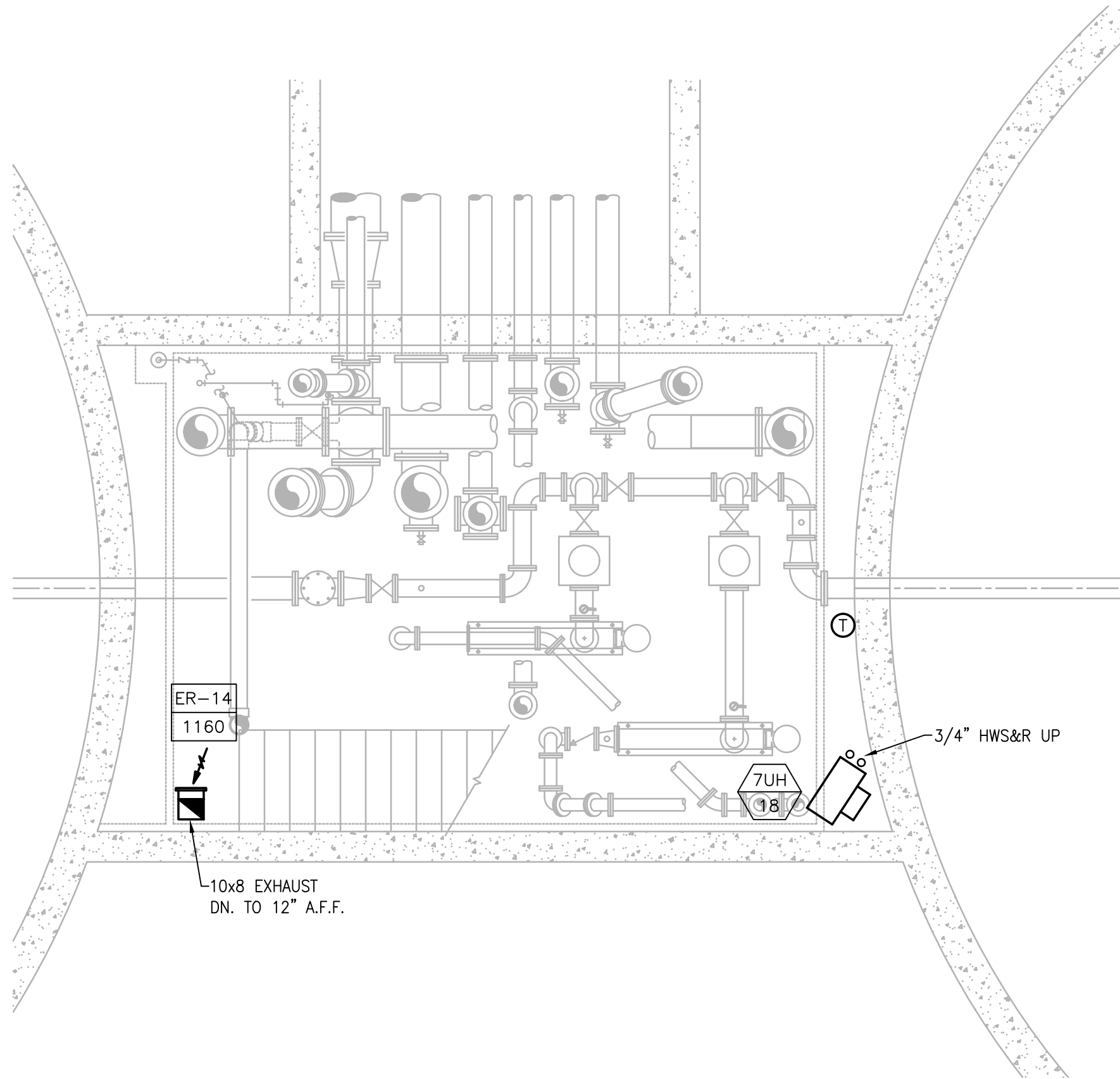
SCALE

AS SHOWN

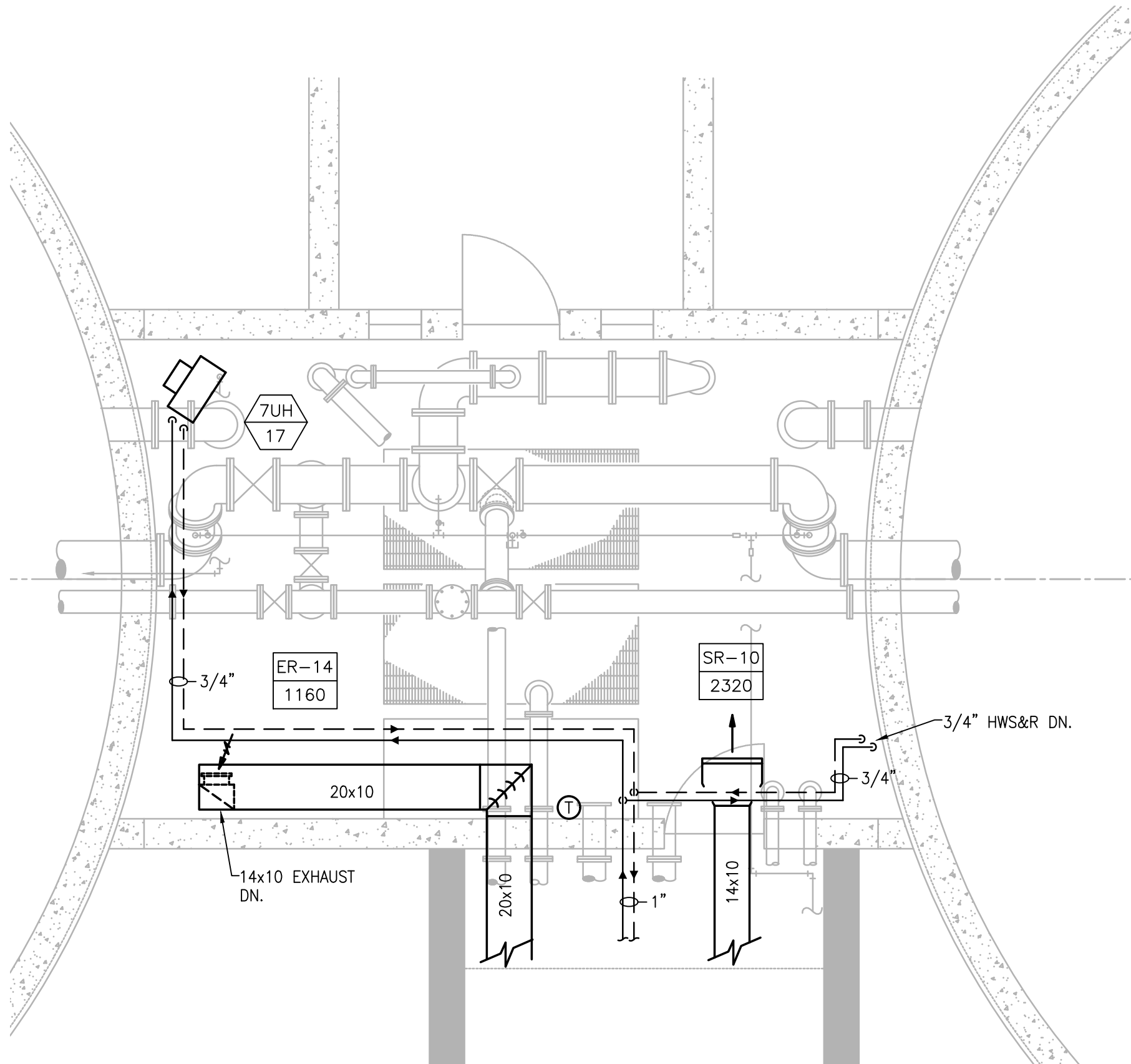
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

H-7.5



LOWER LEVEL - PLAN
SCALE: 1/4"= 1'-0"



UPPER LEVEL - PLAN
SCALE: 1/4"= 1'-0"

6/30/2021 9:51 AM I:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC SOLIDS HANDLING BUILDING PHASE 1.DWG (BETA STB BW.STB)

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 209
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac New Work
Solids Handling
Building
Plans**

NO.	REVISIONS	DATE
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DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

SCALE

AS SHOWN

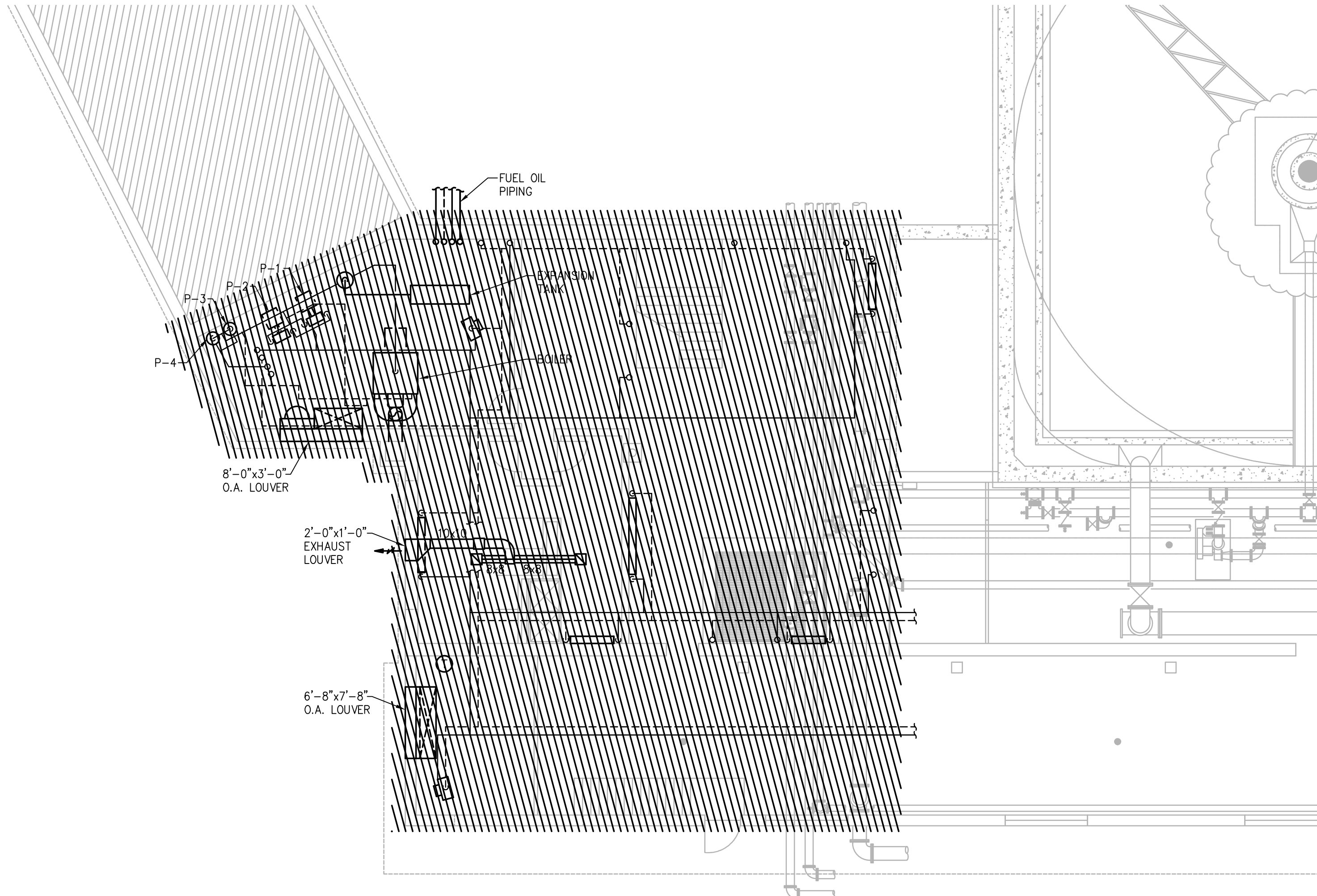
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SHEET NO.

H-7.6

H-7.7

6/30/2021 10:00 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW STB)



BASEMENT FLOOR - PLAN
SCALE: 1/8"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Demolition
Control & Admin.
Building Basement
Plan**

NO.	REVISIONS	DATE
DRAWN BY: RLB		
DESIGNED BY: RHB		
CHECKED BY: RHB		
ISSUE DATE: 7/2/21		
BETA JOB NO.: 6050		

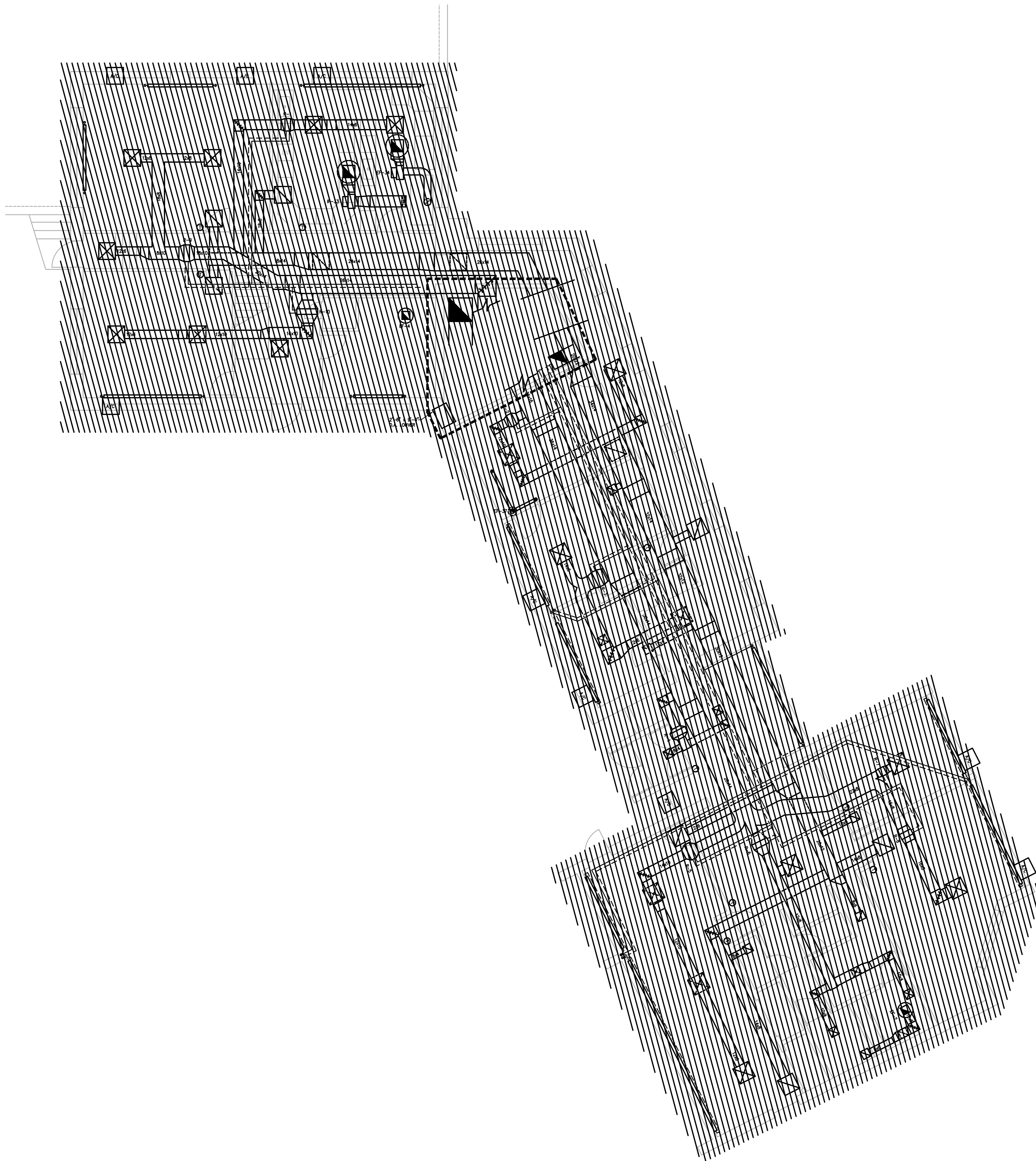
SCALE

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SHEET NO.

H-9.1



FIRST FLOOR - PLAN

SCALE: 1/8" = 1'-0"

6/30/2021 10:01 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CONTROL-ADMIN BUILDING-PHASE 1.DWG (BETA STB BW.STB)

PREPARED BY



REGISTERED PROFESSIONAL



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150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617 328-9215
web: www.sar.com

PROJECT

Taunton Wastewater Treatment Facility Improvements Phase 1

Taunton, MA

TITLE

Hvac Demolition Control & Admin. Building First Floor Plan

[illegible]

NO.	REVISIONS	DATE
DRAWN BY:	RLB	
DESIGNED BY:	RHB	
CHECKED BY:	RHB	
ISSUE DATE:	7/2/21	
BETA JOB NO.:	6050	

SCALI

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SHEET NO

H-9.2



SCALE: 1/8"= 1'-0"



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ENGINEERING, INC.

Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617 328-9215
web: www.sar.com

Taunton Wastewater Treatment Facility Improvements Phase 1

Hvac Control & Admin. Building Basement Ductwork Plan

NO.	REVISIONS	DATE
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BETA JOB NO.: 6050

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H-9.3

NO.	REVISIONS	DATE
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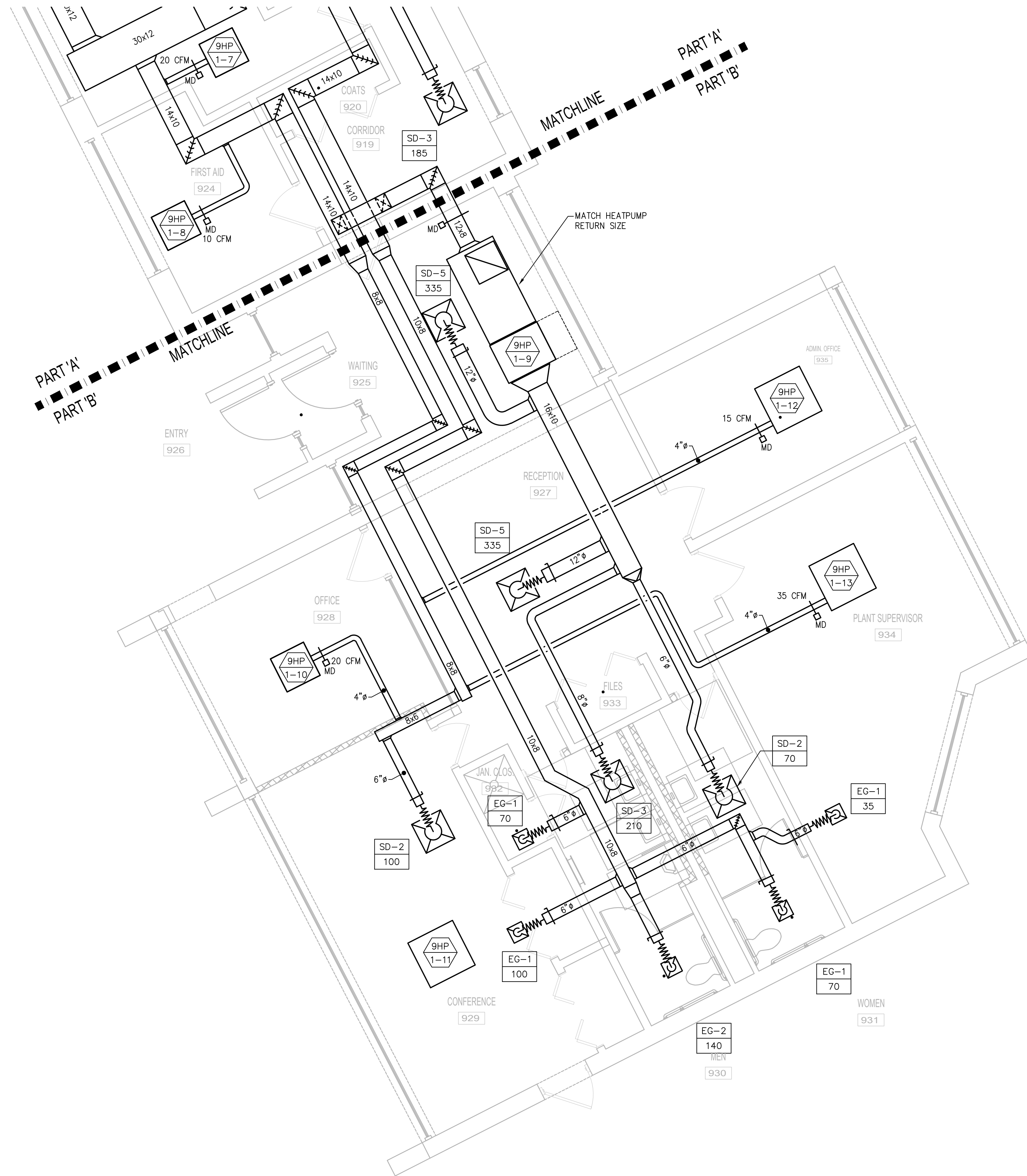
SCALE

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

494

6/30/2021 10:01 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CONTROL ADMIN BUILDING-PHASE 1.DWG (BETA STB BW STB)



FIRST FLOOR - PLAN I
SCALE: 1/4" = 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Control &
Admin. Building First
Floor Ductwork Part
Plan**

NO.	REVISIONS	DATE
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DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

SCALE

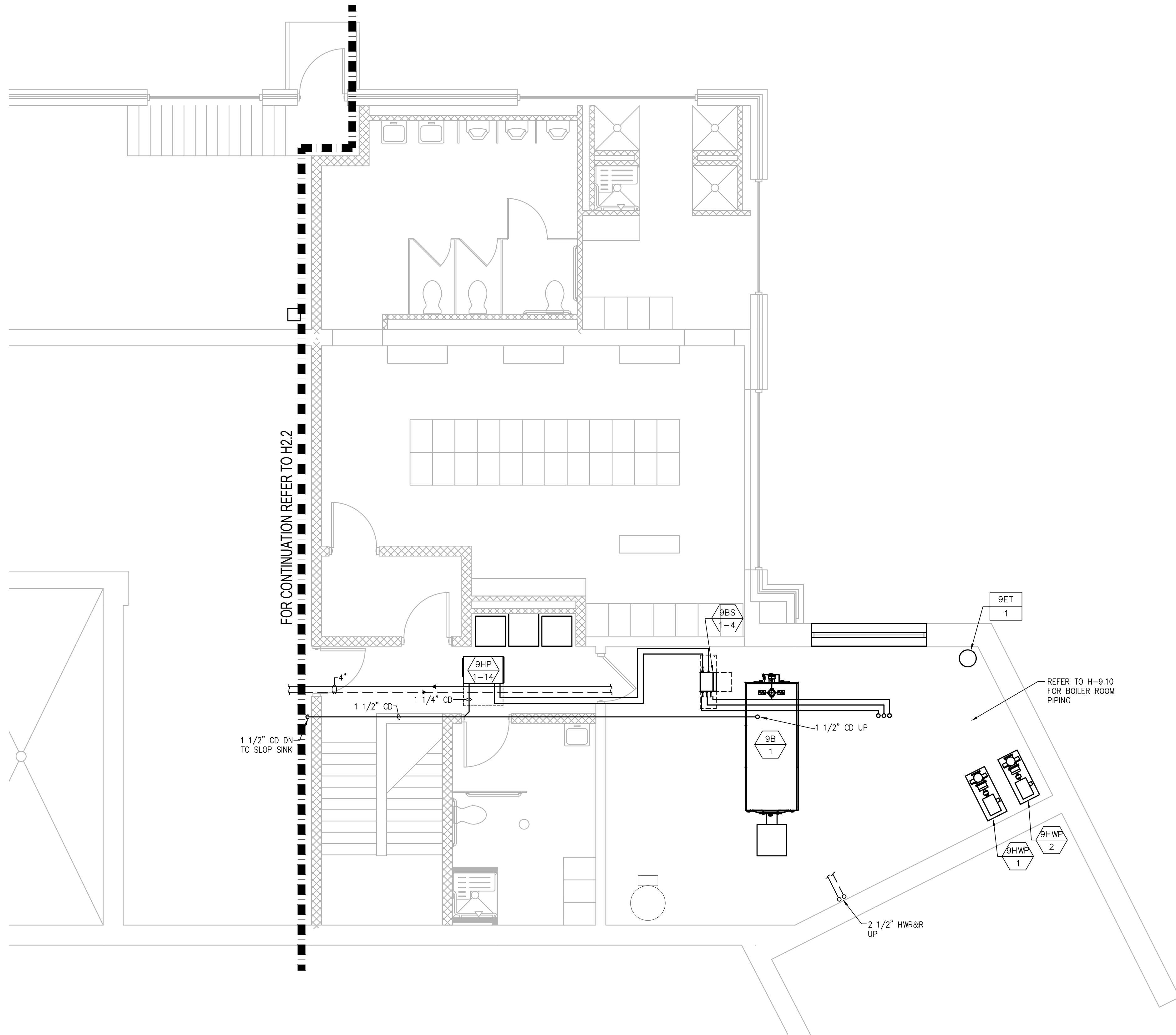
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H-9.5

6/30/2021 10:01 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CONTROL-ADMIN BUILDING-PHASE 1.DWG (BETA STB BW STB)



BASEMENT FLOOR - PLAN
SCALE: 1/8"= 1'-0"

PREPARED BY



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150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Control &
Admin. Building
Basement Piping
Plan**

NO.	REVISIONS	DATE
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DRAWN BY:	RLB
DESIGNED BY:	RHB
CHECKED BY:	RHB
ISSUE DATE:	7/2/21
BETA JOB NO.:	6050

SCALE

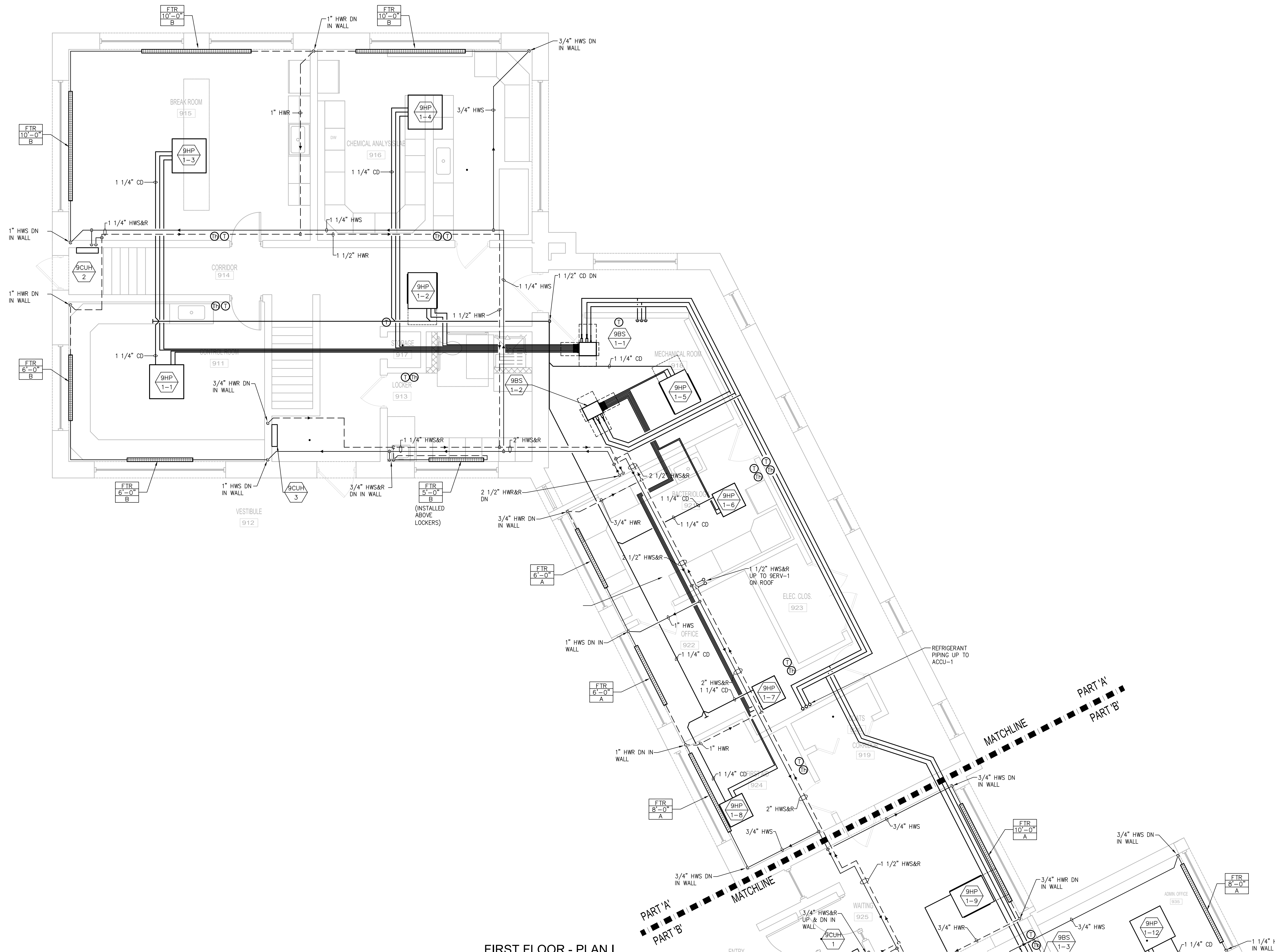
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SHEET NO.

H-9.6

6/30/2021 10:02 AM W:\PROJECTS\18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\18009.00 HVAC CONTROL ADMIN BUILDING-PHASE 1.DWG (BETA STD BW STD)



FIRST FLOOR - PLAN I
SCALE: 1/4" = 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Control &
Admin. Building First
Floor Piping Part
Plan**

NO.	REVISIONS	DATE
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DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 7/2/21

BETA JOB NO.: 6050

SCALE

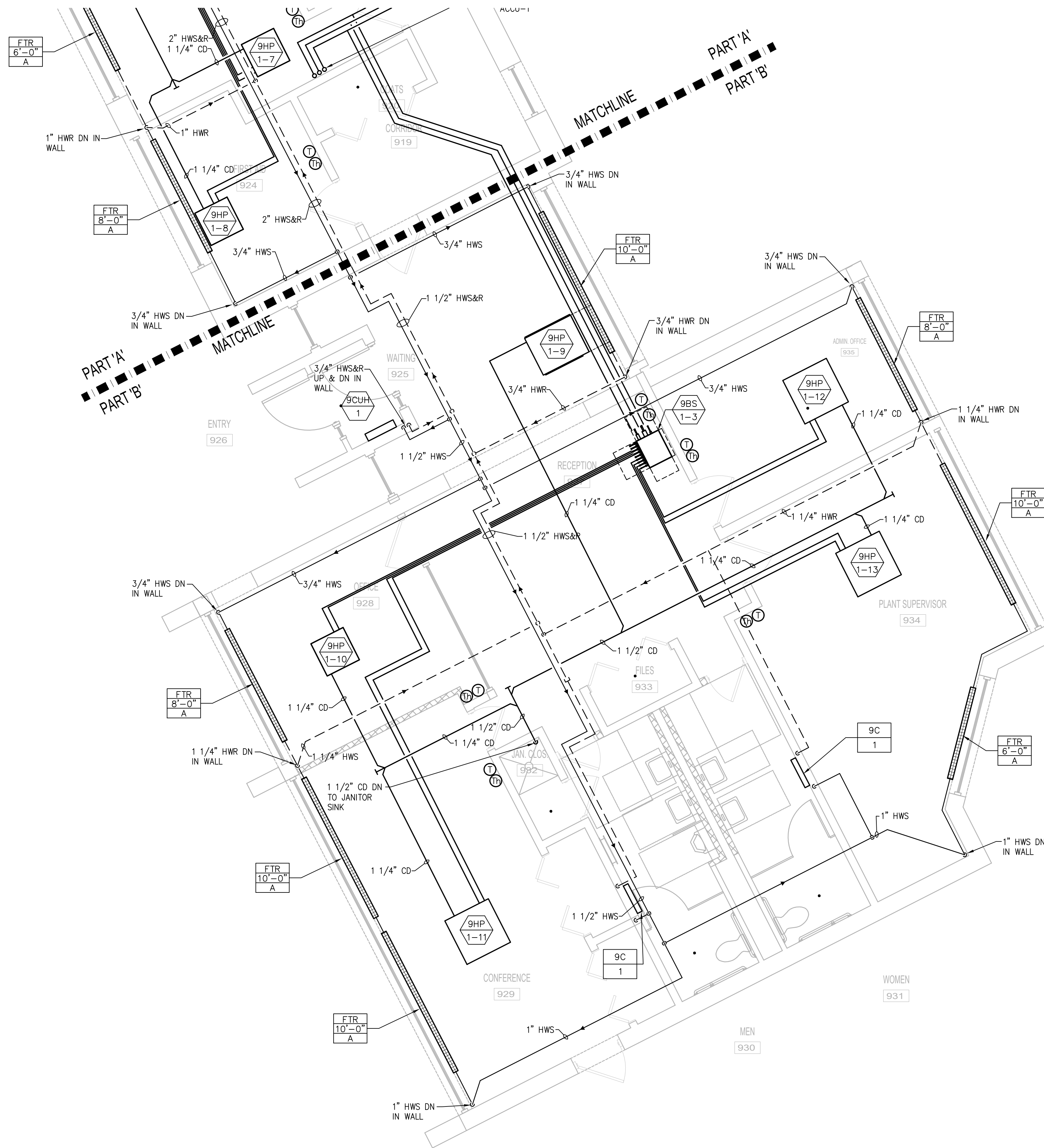
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SHEET NO.

H-9.7

6/30/2021 10:02 AM W:\PROJECTS\18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW STB)



FIRST FLOOR - PLAN I
SCALE: 1/4"= 1'-0"

PREPARED BY



REGISTERED PROFESSIONAL



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150 Grossman Drive, Suite 309
Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

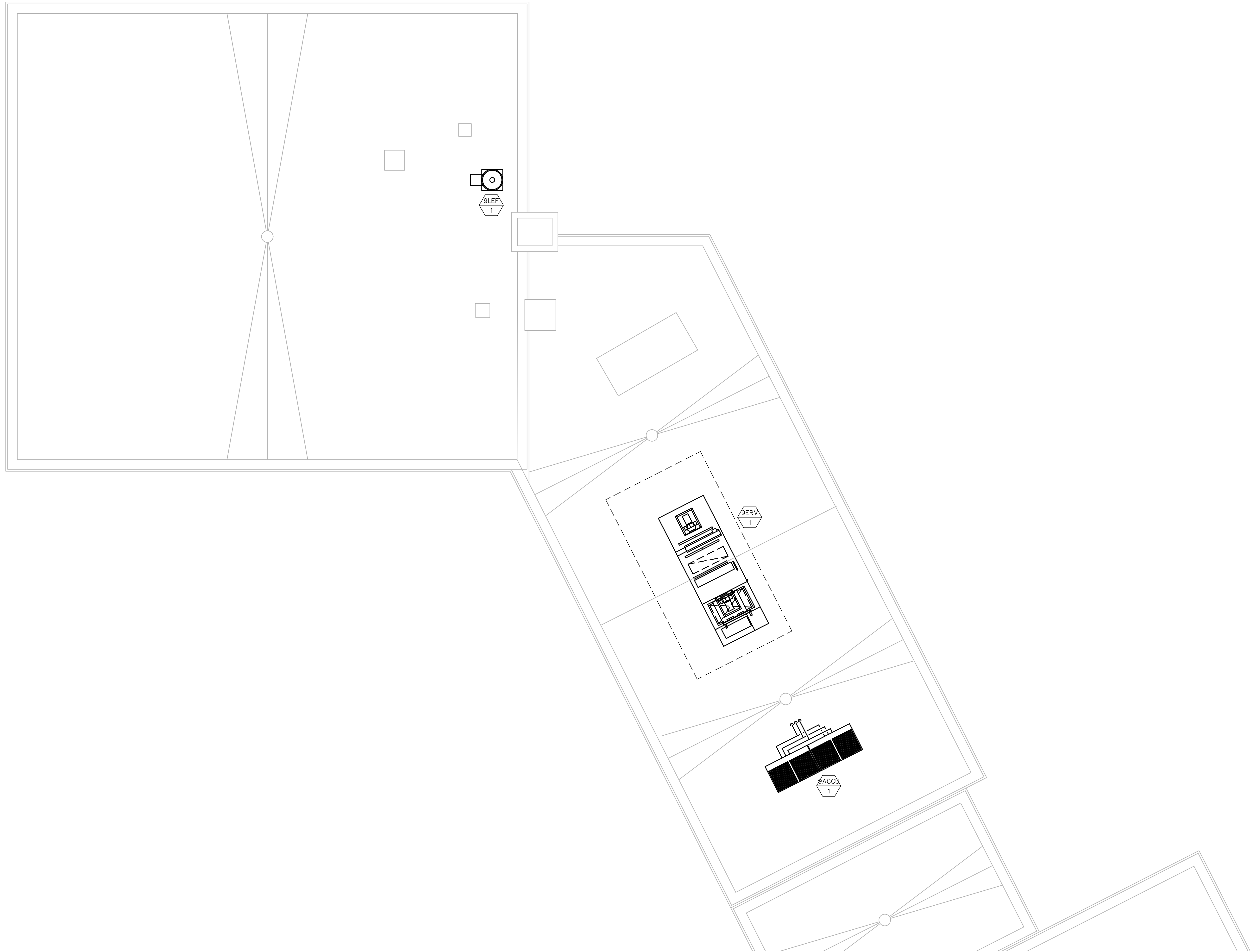
TITLE

Hvac Control &
Admin. Building First
Floor Piping Part
Plan

NO.	REVISIONS	DATE

SCALE
AS SHOWN
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SHEET NO.
H-9.8

6/30/2021 10:02 AM W:\PROJECTS\18009.00 - TAUNTON WWTF UPGRADES\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW STB)



ROOF - PLAN I
SCALE: 1/4"= 1'-0"

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Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

Taunton Wastewater
Treatment Facility
Improvements
Phase 1

Taunton, MA

TITLE

Hvac Control &
Admin. Building
Roof Plan

NO.	REVISIONS	DATE
DRAWN BY: RLB		
DESIGNED BY: RHB		
CHECKED BY: RHB		
ISSUE DATE: 7/2/21		
BETA JOB NO.: 6050		

SCALE

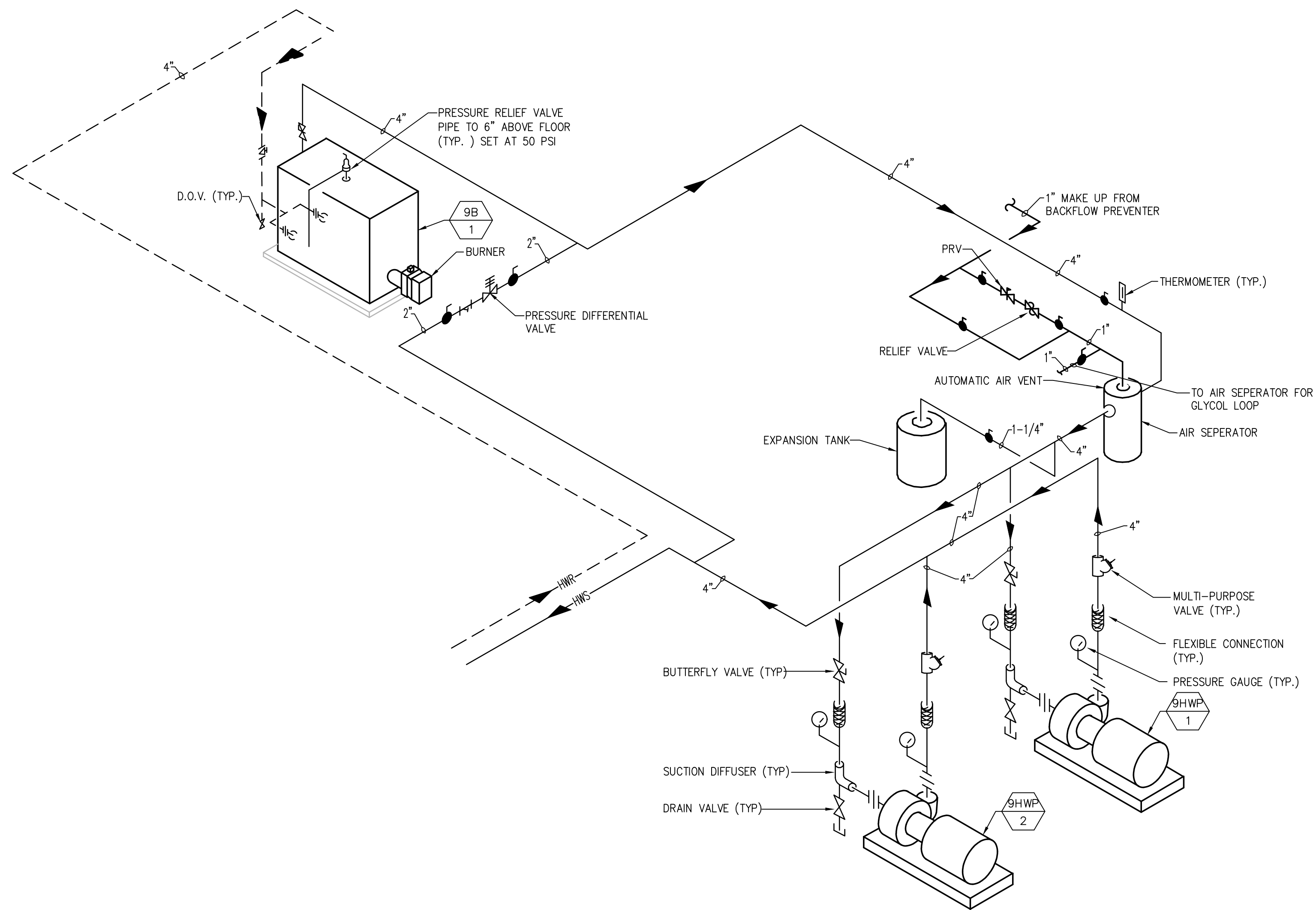
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SHEET NO.

H-9.9

6/30/2021 10:02 AM W:\T-PROJECTS\T-18009.00 - TAUNTON WWTF UPGRADE\HVAC DEPARTMENT\PHASE 1\DWG (BETA STB BW STB)



PIPING SCHEMATIC
NO SCALE

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



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Braintree, Massachusetts 02184
617.328-9215
web: www.sar.com

PROJECT

**Taunton Wastewater
Treatment Facility
Improvements
Phase 1**

Taunton, MA

TITLE

**Hvac Control &
Admin. Building
Boiler Room Piping
Schematic**

NO.	REVISIONS	DATE
DRAWN BY: RLB		
DESIGNED BY: RHB		
CHECKED BY: RHB		
ISSUE DATE: 7/2/21		
BETA JOB NO.: 6050		

SCALE

AS SHOWN

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SHEET NO.

H-9.10