

**Report By:**

National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246



**Report: prelim**

**Function: Test, Adjust, & Balance**

**Date: 02/02/2026**

**Completed By: National TAB**

# PROJECT

## Solvita PH2 (Kettering, OH)

950 FORRER BLVD

KETTERING, OH 45420

### Client

TP Mechanical

1500 Kemper Meadow Drive

Cincinnati, OH 45240

# National TAB

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# National TAB

Project: Solvita PH2 (Kettering, OH)

**Circuit Setter**

**CHW CS/**

Asset							
Asset Name	Location	Size	Service	Design GPM	Delta P	Final GPM	% to Design
CS-1	AHU-10 (DOAS)	2"	CHW	136.6	50"/50"	136	99.6
Total				136.6		136	99.56%

**HW CS/**

Asset							
Asset Name	Location	Size	Service	Design GPM	Delta P	Final GPM	% to Design
CS-1	UH-202E	0.75"	HW	1.3	4.8"	1.3	100.0
CS-2	VAV-A-100A	2.0"	HW	8.0	6"	8.0	100.0
CS-3	VAV-A-100B	2.0"	HW	8.0	6"	8.0	100.0
CS-4	VAV-A-100C	2.0"	HW	8.0	6"	8.0	100.0
CS-5	VAV-A-100D	2.0"	HW	8.0	6"	8.0	100.0
CS-6	VAV-A-111	2.0"	HW	4.0	12"	4.0	100.0
CS-7	VAV-A-118	2.0"	HW	3.0	30"	3.0	100.0
CS-8	VAV-A-115	2.0"	HW	1.5	7.2"	1.5	100.0
CS-9	VAV-B-110	0.75"	HW	1.1	60"	1.1	100.0
CS-10	VAV-219	1"	HW	4	48"	4	100.0
CS-11	CUH-2	0.75"	HW	2.86	28.8"	2.86	100.0
CS-12	VAV-200.1	0.75"	HW	0.5	18	0.5	100.0
CS-13	VAV-A-101	1.0"	HW	3.5	39.6"	3.5	100.0
CS-14	CUH-1	0.75"	HW	2.86	28.8	2.9	100.0
CS-15	VAV-204	0.75"	HW	3.2	33.6"	3.2	100.0
CS-16	VAV-A-103	0.75"	HW	1.0	60"	1	100.0
CS-17	VAV-A-104	0.75"	HW	3.0	30"	3	100.0
CS-18	VAV-B-100E	0.75"	HW	3.8	50.4"	3.8	100.0
CS-19	VAV-B-100F	0.75"	HW	3.8	50.4"	3.8	100.0
CS-20	VAV-B-100G	0.75"	HW	3.8	50.4"	3.8	100.0
CS-21	VAV-B-100H	0.75"	HW	3.8	50.4"	3.8	100.0
CS-22	VAV-B-102	0.75"	HW	2.1	15.6"	2.1	100.0
CS-23	VAV-201	1"	HW	3.5	9.6"	3.5	100.0
CS-25	VAV-B-100C	0.75"	HW	3.8	50.4	3.8	100.0
CS-26	VAV-B-100B	0.75"	HW	3.8	50.4"	3.8	100.0
CS-27	VAV-B-100A	0.75"	HW	3.8	50.4"	3.8	100.0
CS-28	VAV-E-111	0.75"	HW	1.3	4.8"	1.3	100.0
CS-30	VAV-220A	0.75"	HW	3.5	39.6"	3.5	100.0
CS-31	VAV-E-123	0.75"	HW	1.6	8.4"	1.6	100.0
CS-32	VAV-C-100E	0.75"	HW	3.3	34.8	3.3	100.0
CS-33	VAV-C-100F	0.75"	HW	3.3	34.8"	3.3	100.0
CS-34	VAV-C-100G	0.75"	HW	3.3	34.8"	3.3	100.0
CS-35	VAV-C-100H	0.75"	HW	2.5	24"	2.5	100.0
CS-36	VAV-C-100I	0.75"	HW	2.5	24"	2.5	100.0
CS-37	VAV-202A	1"	HW	5	18"	5	100.0
CS-38	VAV-W-200	0.75"	HW	2.5	24"	2.5	100.0
CS-39	HAC-3	0.75"	HW	3.8	50.4"	3.8	100.0
CS-40	HAC-4	0.75"	HW	3.8	50.4	3.8	100.0
CS-41	UH-E-121	1.0"	HW	4.4	14.4"	4.4	100.0
CS-42	AHU-10 (DOAS)	2"	HW	19.7	12"top/12"bot	21.6	109.6
CS-43	VAV-C-100D	0.75"	HW	3	30"	3	100.0
CS-44	VAV-C-100C	0.75"	HW	3	30"	3	100.0
CS-45	VAV-C-100B	0.75"	HW	3	30"	3	100.0
CS-46	VAV-C-100A	0.75"	HW	3	30"	3	100.0
CS-47	VAV-D-100A	0.75"	HW	2	15.6"	2	100.0
CS-48	VAV-C-100N	0.75"	HW	1.7	8.4	1.7	100.0
CS-49	VAV-C-100O	0.75"	HW	1.7	8.4"	1.7	100.0
CS-50	VAV-C-100P	0.75"	HW	2	15.6"	2	100.0
CS-52	CUH-3	0.75"	HW	2.86	28.8"	2.86	100.0
CS-53	VAV-200.2	0.75"	HW	3.58	39.6	3.58	100.0

HW CS/

Asset							
Asset Name	Location	Size	Service	Design GPM	Delta P	Final GPM	% to Design
CS-54	VAV-203	0.75"	HW	3.2	33.6"	3.2	100.0
CS-55	VAV-202B	1"	HW	4.5	14.4"	4.5	100.0
CS-57	VAV-C-100M	0.75"	HW	3	30"	3	100.0
CS-58	VAV-C-100L	0.75"	HW	3	30"	3	100.0
CS-59	VAV-C-100K	0.75"	HW	3	30"	3	100.0
CS-60	VAV-C-100J	0.75"	HW	3	30"	3	100.0
CS-61	VAV-220B	0.75"	HW	3.5	39.6"	3.5	100.0
CS-63	VAV-C121	0.75"	HW	1.3	4.8"	1.3	100.0
CS-65	VAV-E-101	1"	HW	4	12"	4	100.0
CS-66	HAC-1	1.25"	HW	10.38	14.4"	10.38	100.0
CS-67	HAC-2	1.25"	HW	7.44	6"	7.44	100.0
CS-68	(RELO)VAV-8-14	1"	HW	1	1.2"	1	100.0
CS-69	(RELO)VAV-8-13	1"	HW	4.5	14.4"	4.5	100.0
CS-70	(RELO)VAV-8-12	1"	HW	4.5	14.4"	4.5	100.0
CS-71	(RELO)VAV-8-11	1"	HW	5.5	24"	5.5	100.0
CS-72	(RELO)VAV-8-10	1"	HW	4.5	14.4"	4.5	100.0
CS-73	VAV-220C	1"	HW	4	12"	4	100.0
CS-74	(PH1)VAV-130C	0.75"	HW	2.2	18"	2.2	100.0
CS-75	(PH1)VAV-130D	0.75"	HW	2.2	18"	2.2	100.0
CS-76	(PH1)VAV-D-100B	0.75"	HW	3	30"	3	100.0
CS-77	(PH1)VAV-130E	0.75"	HW	2.2	18"	2.2	100.0
CS-78	(PH1)VAV-130F	0.75"	HW	2.2	18"	2.2	100.0
CS-79	VAV-D-100C	0.75"	HW	3	30"	3	100.0
CS-81	(PH1)VAV-C103	0.75"	HW	3	30"	3	100.0
CS-82	(PH1)VAV-130B	0.75"	HW	2.2	18"	2.2	100.0
CS-83	(PH1)VAV-130A	0.75"	HW	2.2	18"	2.2	100.0
CS-84	(PH1)VAV-110	0.75"	HW	3.5	39.6"	3.5	100.0
Total				278.38		280.32	100.7%

Completed By: Nathan Denney on 02/16/2026

Asset	Notes	Date	Written By
CS-1	Unit has 2 coils, each with a valve. Called Griswold and figured out which valves they are QS3P with CV 105.2. Balanced each coil to 68GPM.	02/16/2026	Nathan Denney
CS-42	Split the design flow between two coils (top) and (bot). Both balancing valves are at minimum.	02/04/2026	Nathan Denney