Chilled Water Buffer Tank Installations at Various Sites

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General Project Notes

1. Drawings are a general representation of work to be accomplished, contractor shall verify existing conditions, dimensions, and quantity of materials.
2. Buffer tanks will be owner provided.
3. Clean new tank and piping according to specifications.
4. Add closed loop treatment to supplement increase in system size from new tank and piping.
5. Anchor tanks to existing concrete slab U.N.O.
6. Water balancing will be performed by FUSD

Fresno Unified School District

Legend

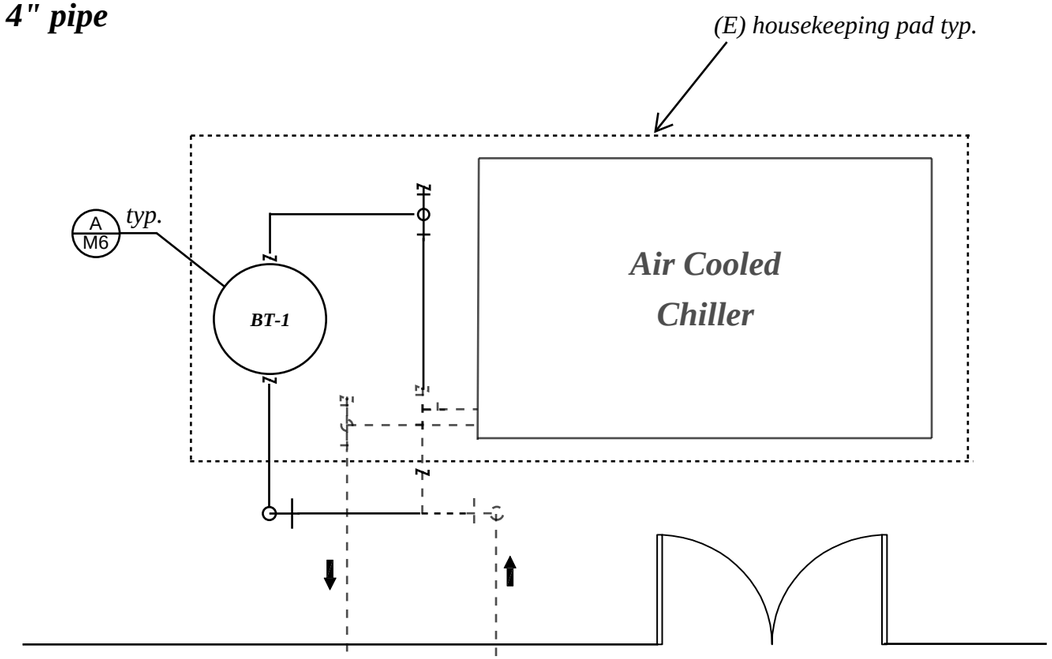
Existing Piping	- - - -
New Piping	———
Butterfly Valve	Z
CMU Wall	═══
Chainlink Fence	⊶—⊶

Various Sites

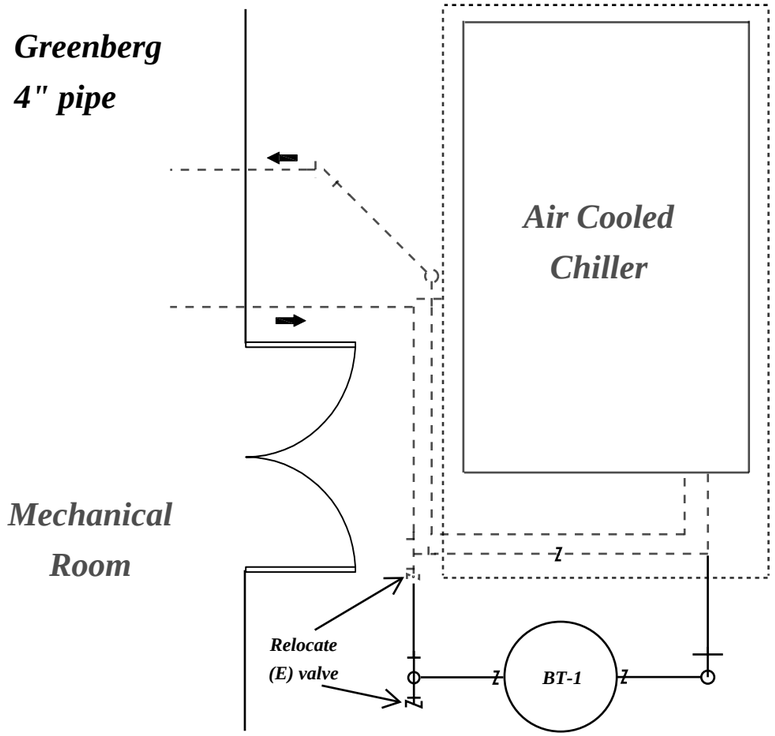
Fresno Unified School District

DATE:	Scale	SHEET:
3/01/2021	*None*	*T-1*

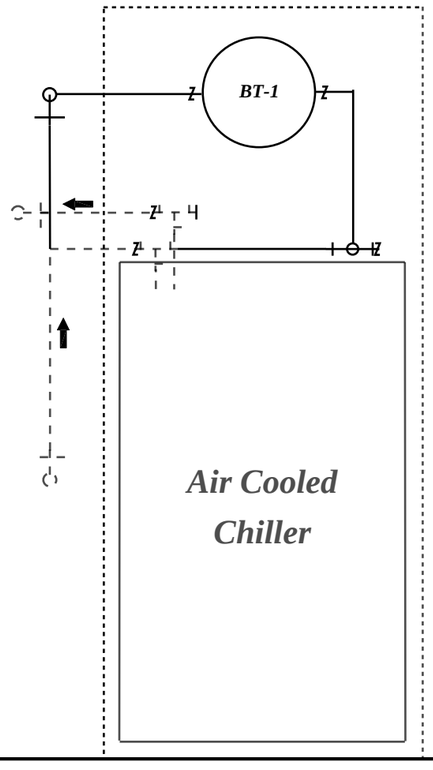
Leavenworth
4" pipe



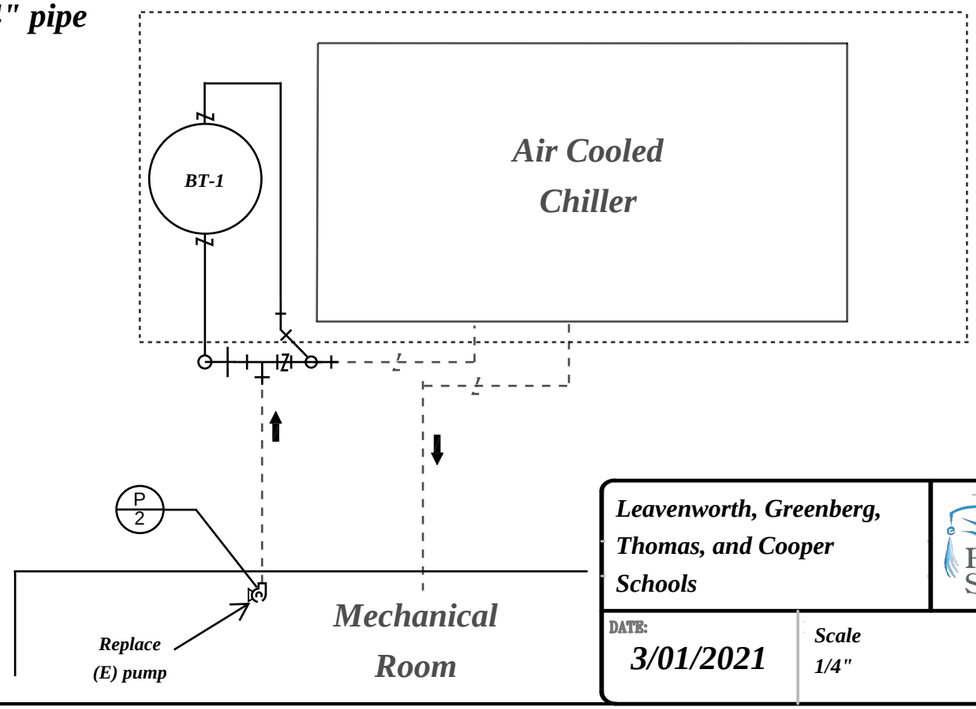
Greenberg
4" pipe



Thomas
4" pipe



Cooper
4" pipe



Leavenworth, Greenberg, Thomas, and Cooper Schools

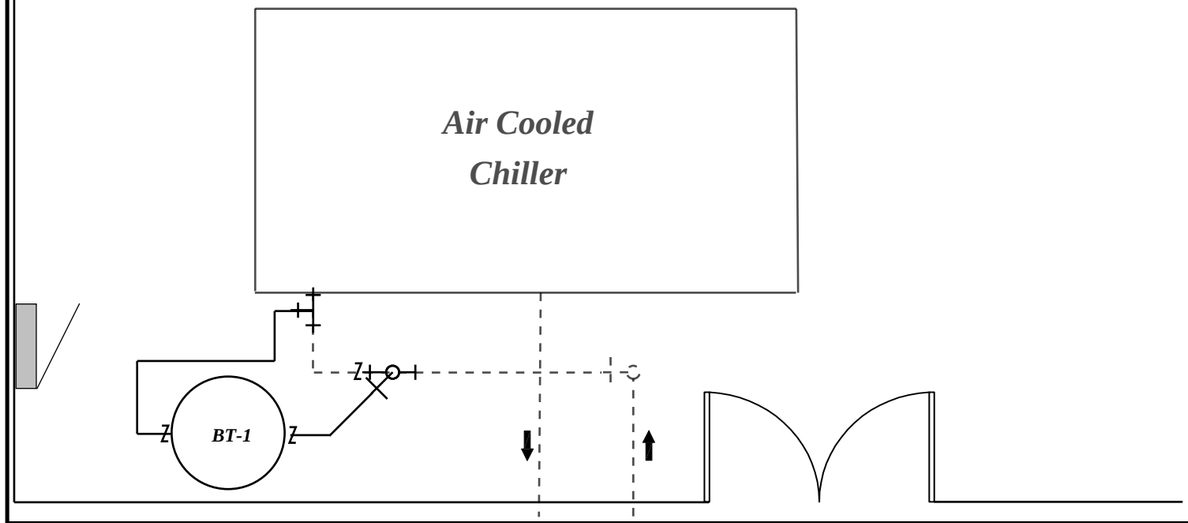
Fresno Unified School District

DATE: 3/01/2021

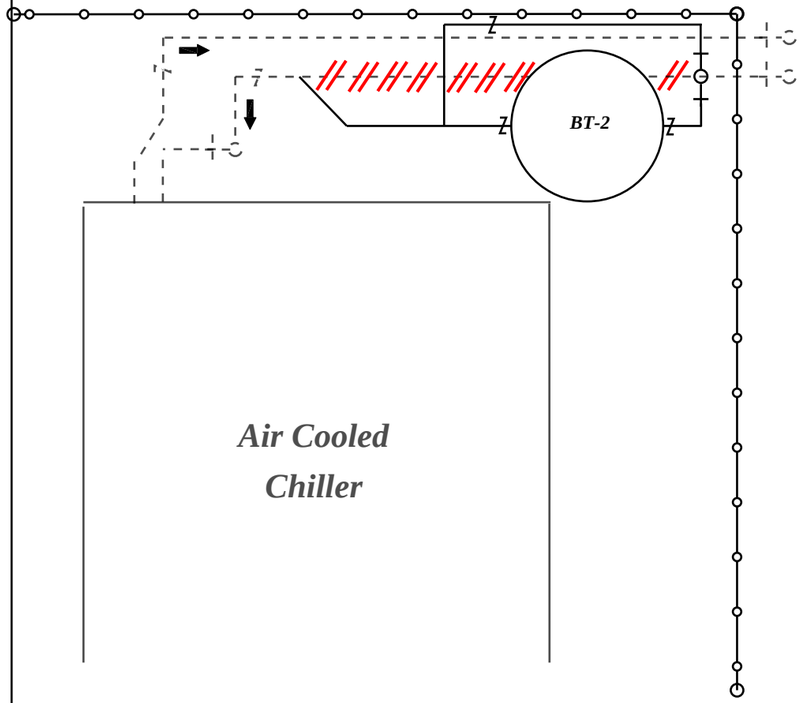
Scale 1/4"

SHEET: M-1

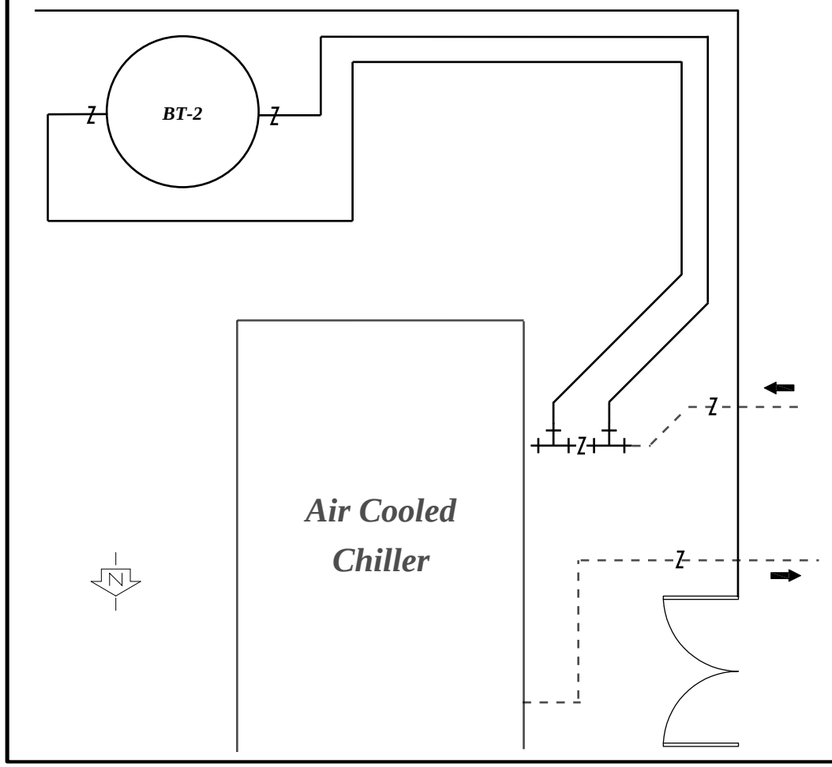
Anthony
6" Pipe



Fort Miller
6" Pipe

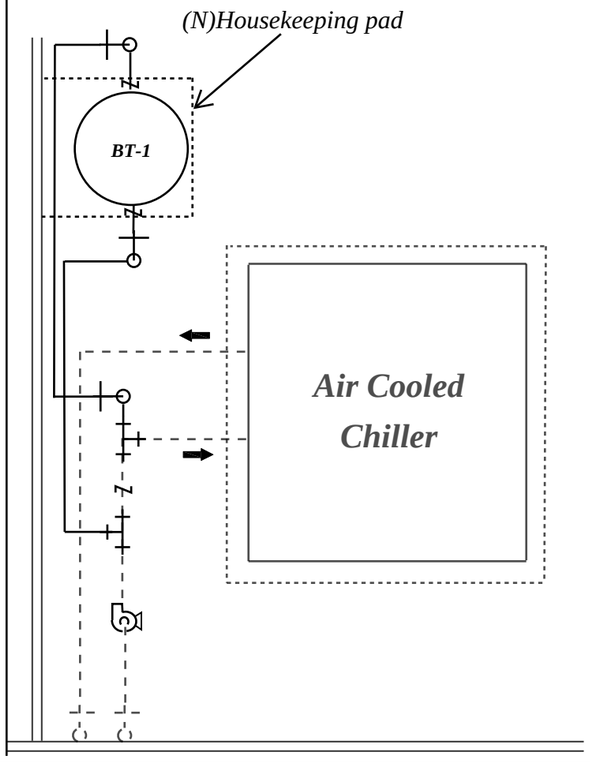


Storey
East Plant
6" Pipe



Mechanical room

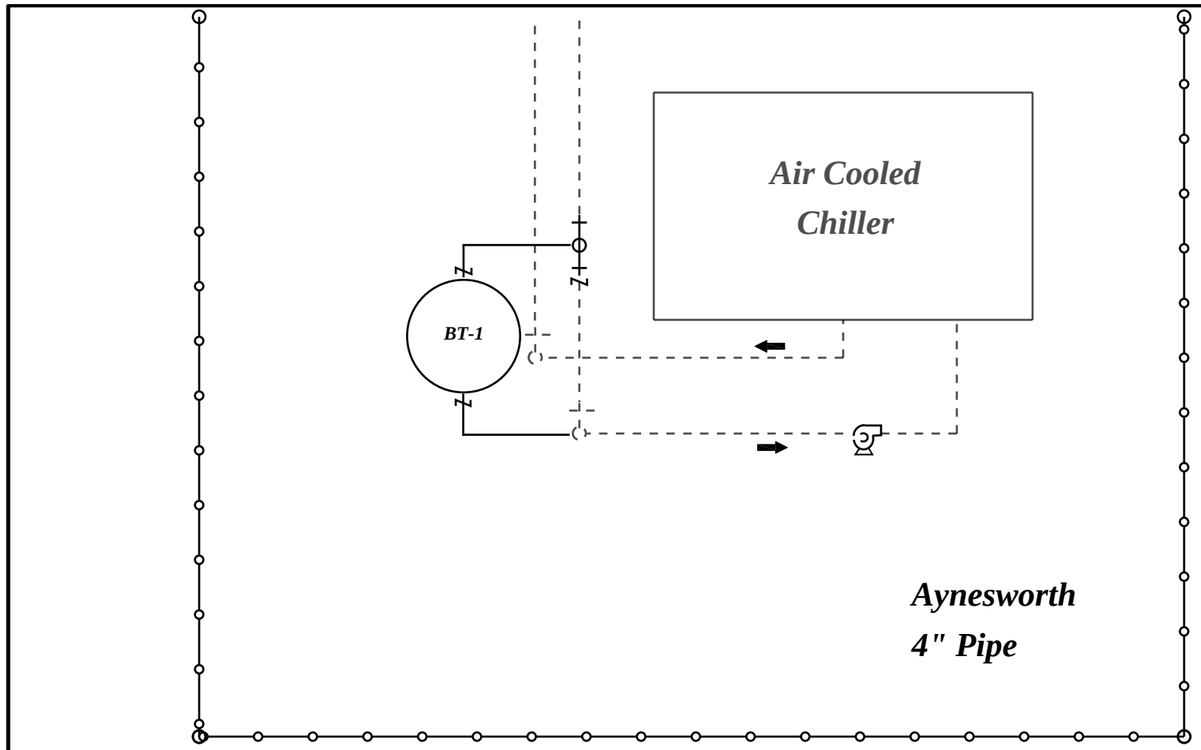
Fremont
2" Copper Pipe



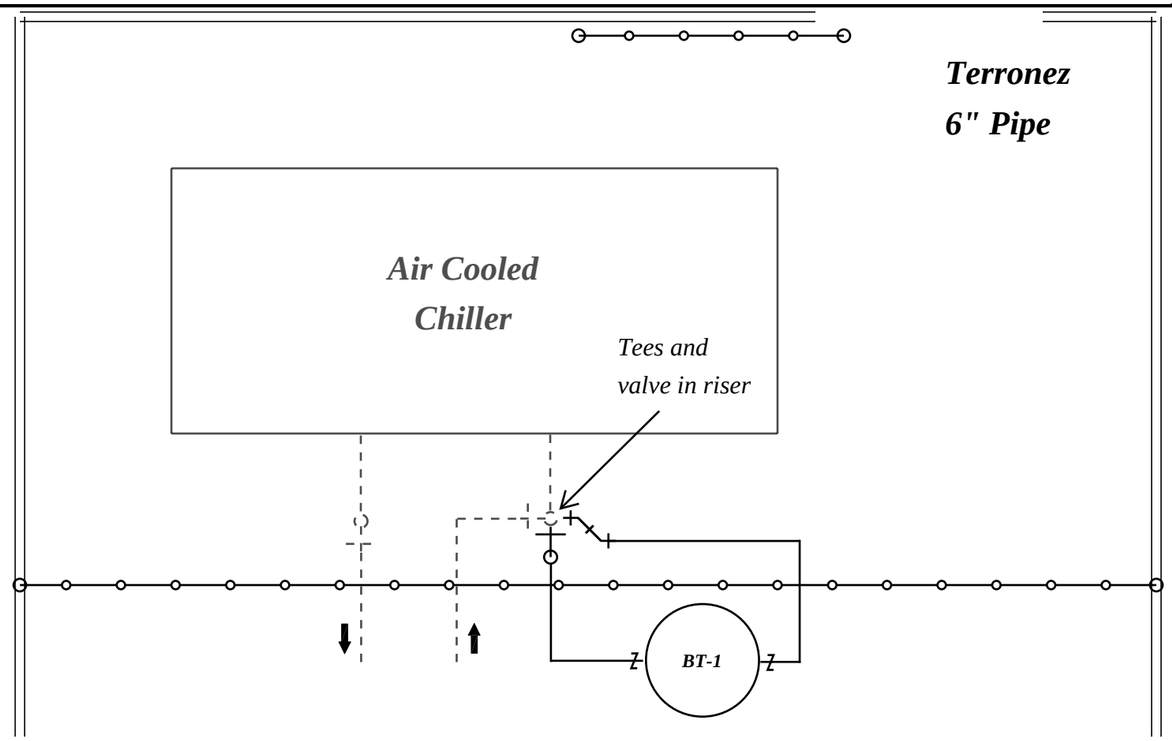
Anthony, Fort Miller, Storey, and Fremont

Fresno Unified School District

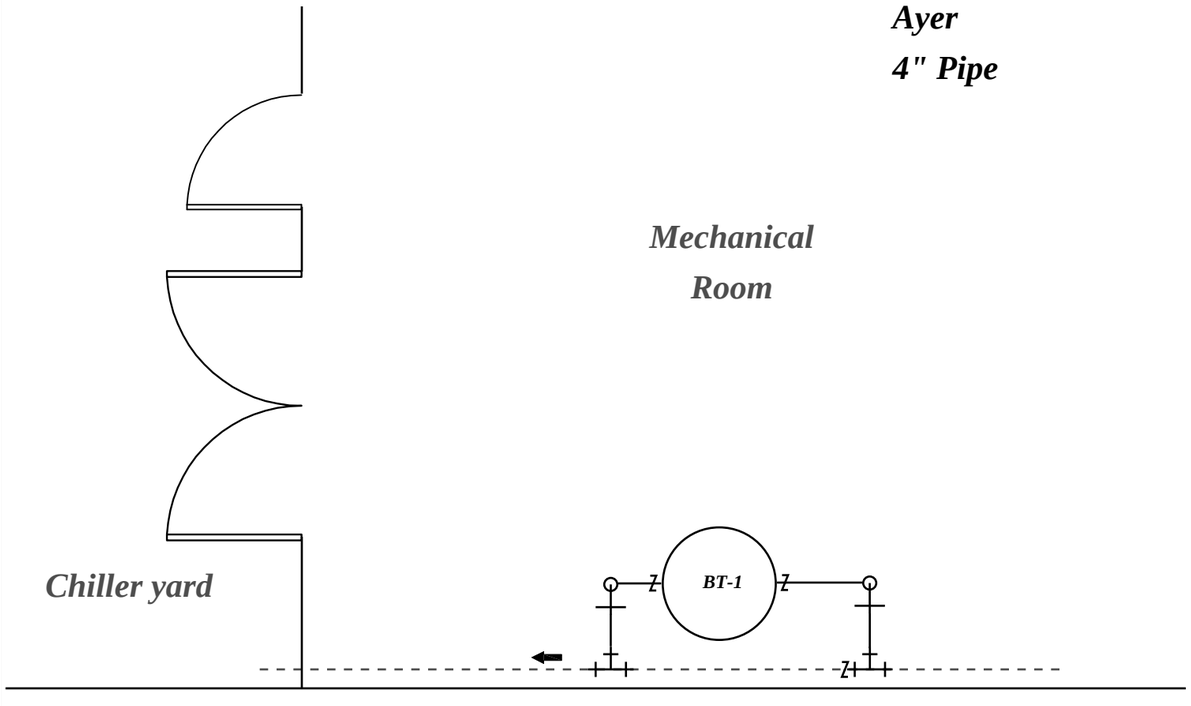
DATE:	Scale	SHEET:
3/01/2021	1/4"	M-2



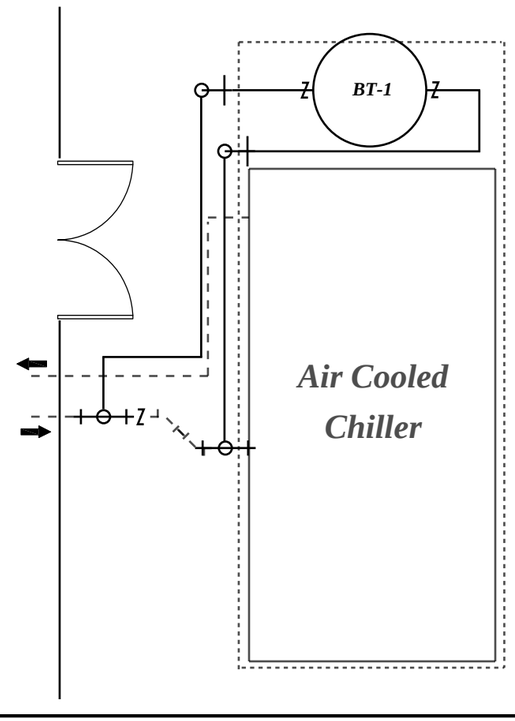
Aynesworth
4" Pipe



Terronez
6" Pipe



Ayer
4" Pipe

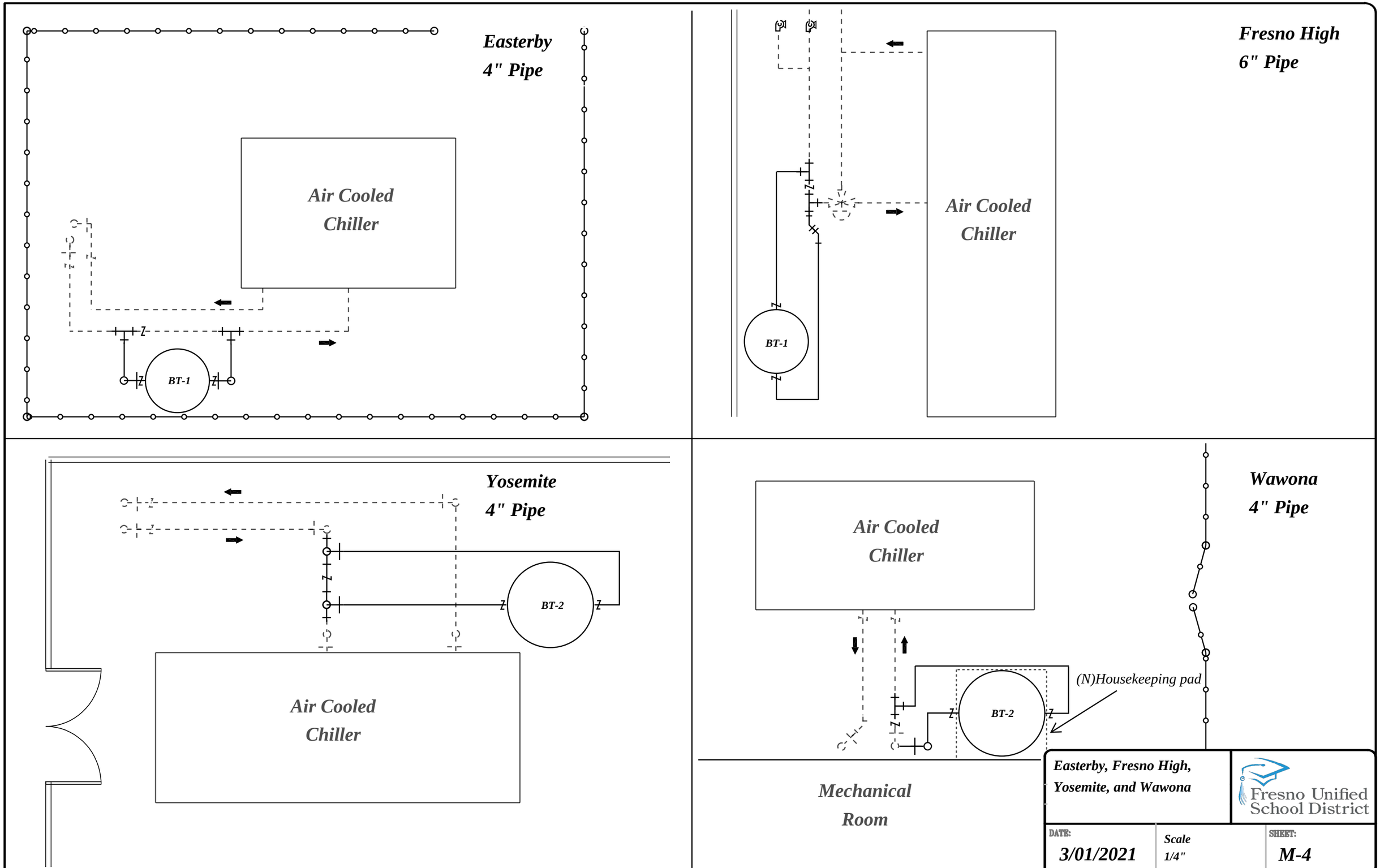


Balderas
6" Pipe

Aynesworth, Terronez, Ayer, and Balderas

Fresno Unified School District

DATE:	Scale	SHEET:
3/01/2021	1/4"	M-3

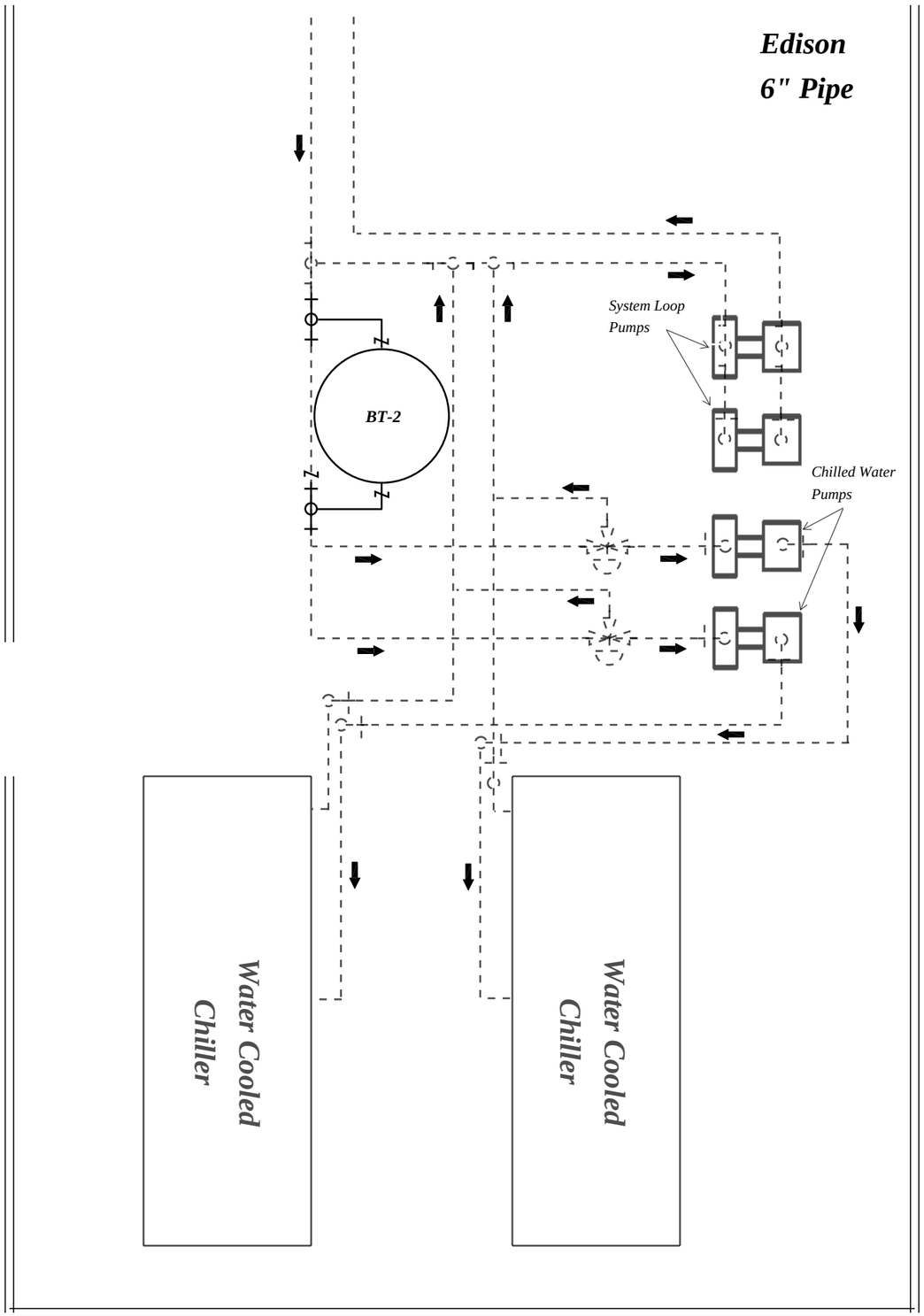


Easterby, Fresno High, Yosemite, and Wawona

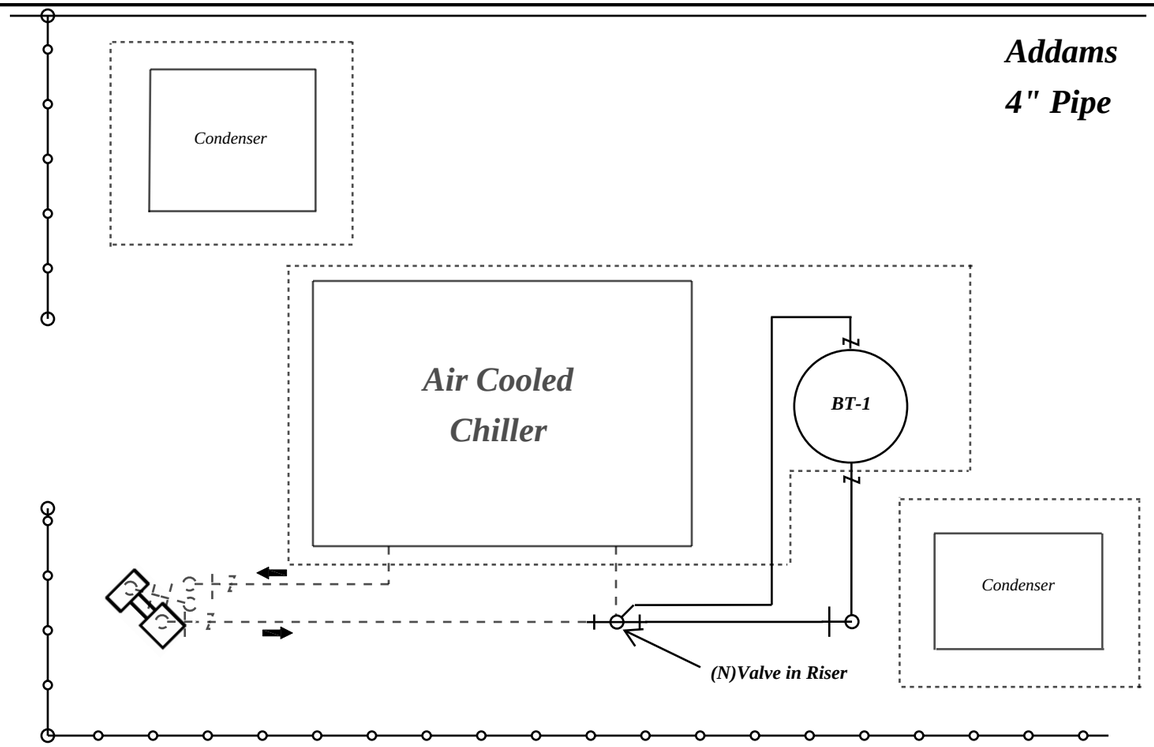
Fresno Unified School District

DATE:	Scale	SHEET:
3/01/2021	1/4"	M-4

Edison
6" Pipe



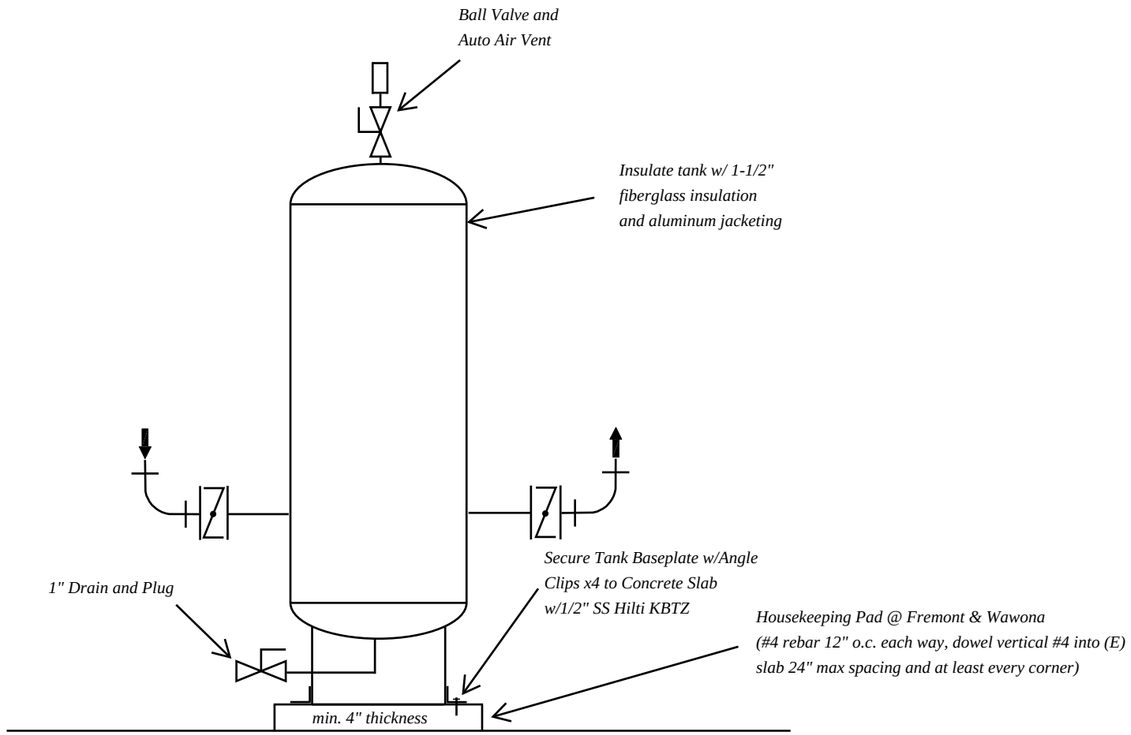
Addams
4" Pipe



Edison, and Addams

Fresno Unified School District

DATE:	Scale	SHEET:
3/01/2021	1/4"	M-5



Buffer Tank Installation

A
M6

Buffer Tank Schedule		
Designation	BT-1	BT-2
Tank Volume	250 gal.	500 gal.
Inlet/Outlet	6"	6"
Manufacturer	Taco	Taco
Model	BTL0250F06-125N	BTL0500F06-125N
Operating Wt.	2,792.5 lbs	5,325 lbs

Pump Schedule	
Designation	P-2
Horsepower	7.5
Volts/Phase	460/3
RPM	1760
GPM/TDH	350/45 ft
Manufacturer	Taco
Model	3009D
Type	Inline
Frame	TEFC

NOTE:
Upgrade (E) starter to accommodate
new 7.5 hp motor overload requirements

Details and Schedules

Fresno Unified School District

DATE: 3/01/2021

Scale None

SHEET: M-6