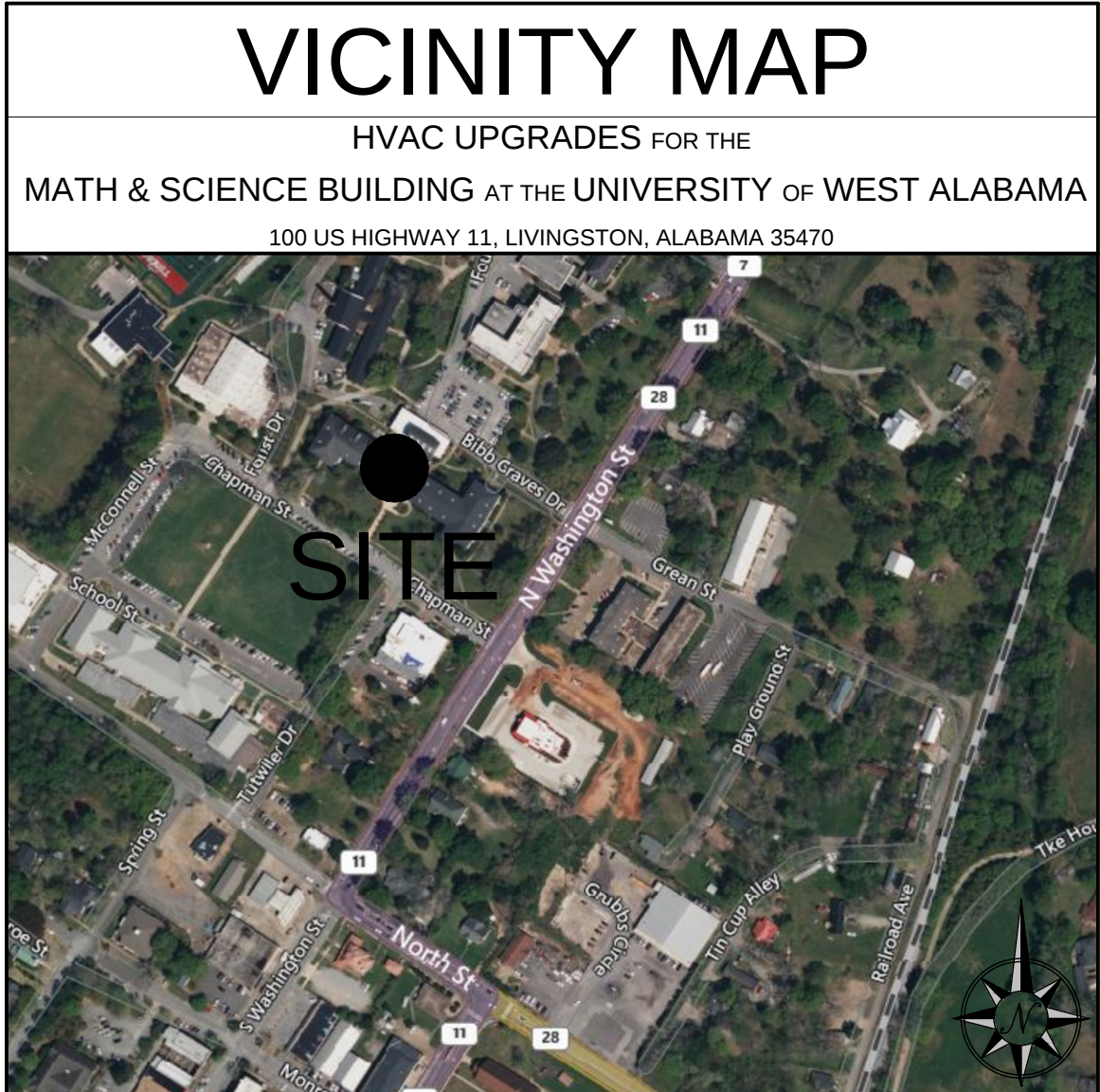
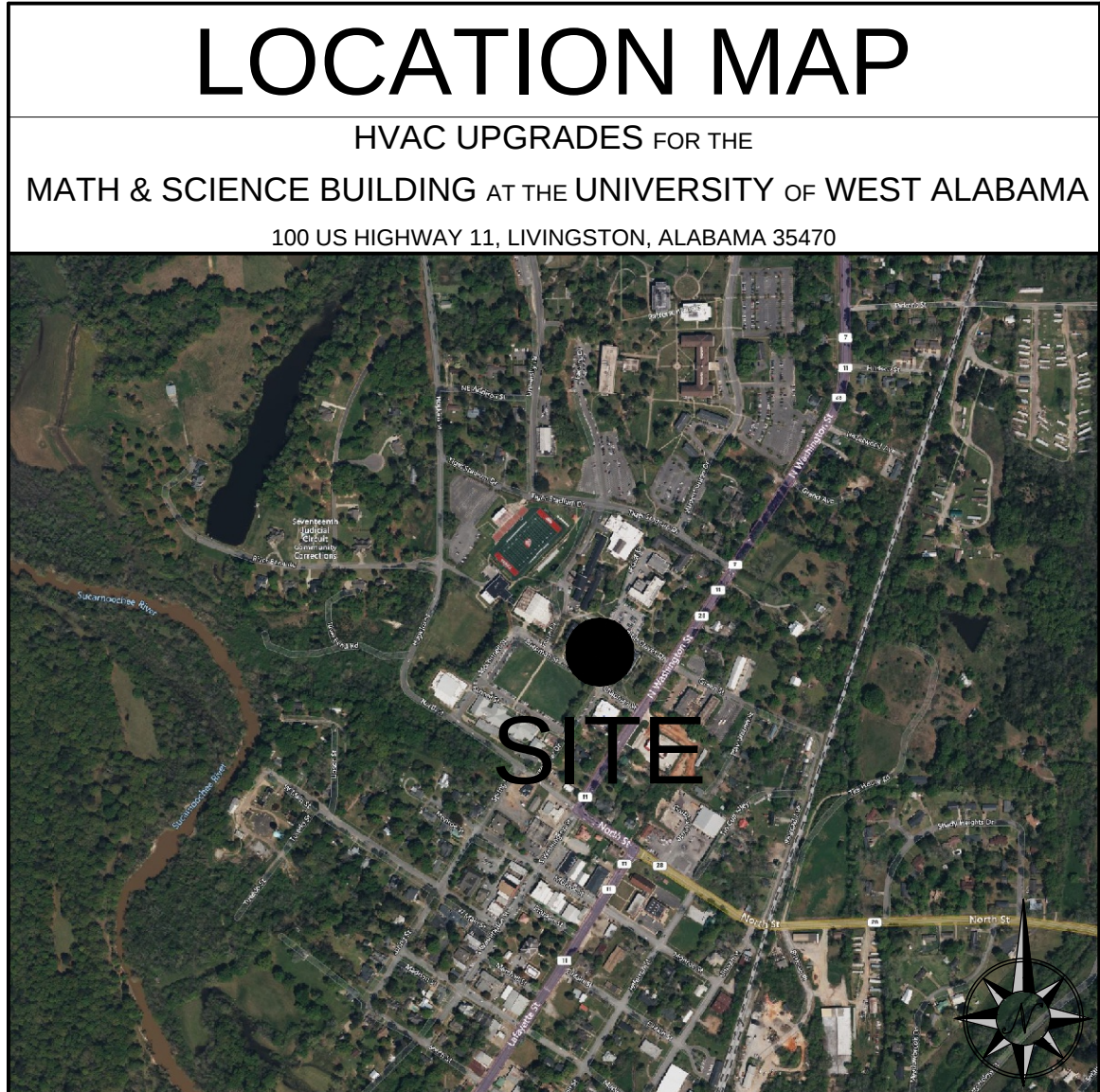


HVAC UPGRADES
FOR THE
MATH & SCIENCE BUILDING
AT THE
UNIVERSITY OF WEST ALABAMA
SUMTER, ALABAMA



INDEX TO DRAWINGS	
G0.1	COVER SHEET and INDEX TO DRAWINGS
M1	HVAC PLAN, SCHEDULES & DETAILS

CONTACTS	
OWNER University of West Alabama 1st Sta Livingston, Alabama 35470 Phone: (888) 636.8800	PLUMBING and MECHANICAL Zgouvas, Eiring and Associates 800 South McDonough Street Montgomery, Alabama 36104 Phone: (334) 263.4406
ARCHITECTURAL McKee & Associates Architects 631 South Hull Street Montgomery, Alabama 36104 Phone: (334) 834.9933	

PROJ. MGR.: GAC
DRAWN: TB
DATE: 10/27/2025
REVISIONS

JOB NO. 24-300
SHEET NO. G.01
0 1" 2"

AIR COOLED CHILLER SCHEDULE NO GLYCOL

CHILLER NUMBER	MINIMUM NET CAPACITY - TONS	WATER TEMPERATURE		G.P.M. THRU CHILLER	PRESS. DROP THRU CHILLER FT. OF WATER	SCALE FACTOR	COMPRESSOR MOTOR				AIR TEMPERATURE ENTERING CONDENSER COIL° F	HEAD PRESS. CONTROL °F	CONDENSER FAN				MINIMUM CAPACITY REDUCTION - PERCENT OF TOTAL LOAD	MINIMUM IPLV,IP @ ARI	MINIMUM E.E.R./COP @ ARI	SINGLE POINT POWER MCA	SINGLE POINT POWER MOP	REFRIGERANT		REMARKS
		ENTERING °F	LEAVING °F				APPROX. F.L.A.	VOLTS	PHASE	HERTZ			APPROX. F.L.A.	VOLTS	PHASE	HERTZ						TYPE	AMOUNT	
CH-1	197.3	54.0	44.0	393	10.0 FT	0.00010	149.1 150.9	480	3	60	95	0	(10)Ø2.7 EA	480	3	60	VFD	19.57	10.93	369	500	R-513A	394 lb	OPERATING WEIGHT 13800 lb

PROVIDE SUPER QUIET SOUND ATTENUATION PACKAGE
PROVIDE LINE REACTOR TO REDUCE HARMONICS CAUSED BY THE VFD

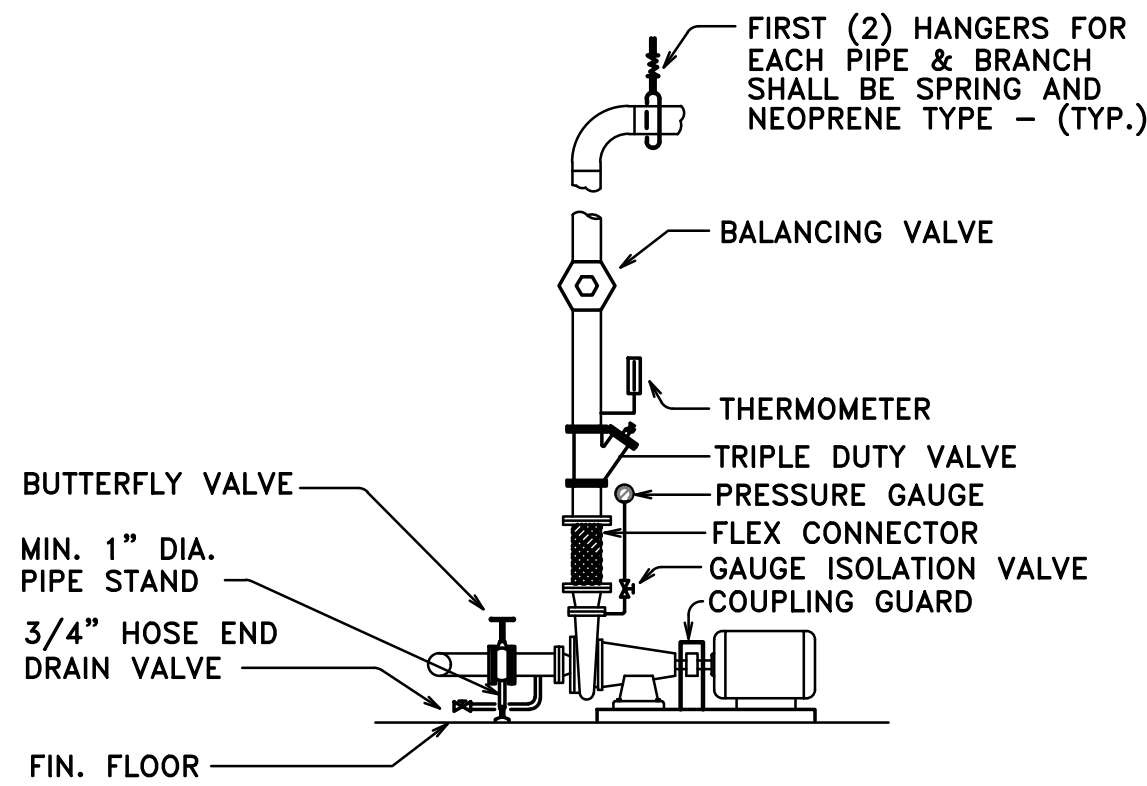
PUMPS SCHEDULE

PUMP NUMBER	SERVICE	G.P.M.	APPROX. HEAD - FEET OF WATER	MINIMUM EFFICIENCY PERCENT	MAXIMUM R.P.M.	MOTOR CHARACTERISTICS				DESCRIPTION	REMARKS
						MINIMUM H.P.	POWER VOLTS	PH.	HERTZ		
CHP-1	CHILLED WATER	550	110	80	1750	25	480**	3	60	BASE MOUNTED, TACO FI SERIES, TEC MOTOR	WITH VFD*
CHP-2	CHILLED WATER	550	110	80	1750	25	480**	3	60	BASE MOUNTED, TACO FI SERIES, TEC MOTOR	WITH VFD*

** FIELD VERIFY EXISTING VOLTAGE PRIOR TO ORDERING PUMPS

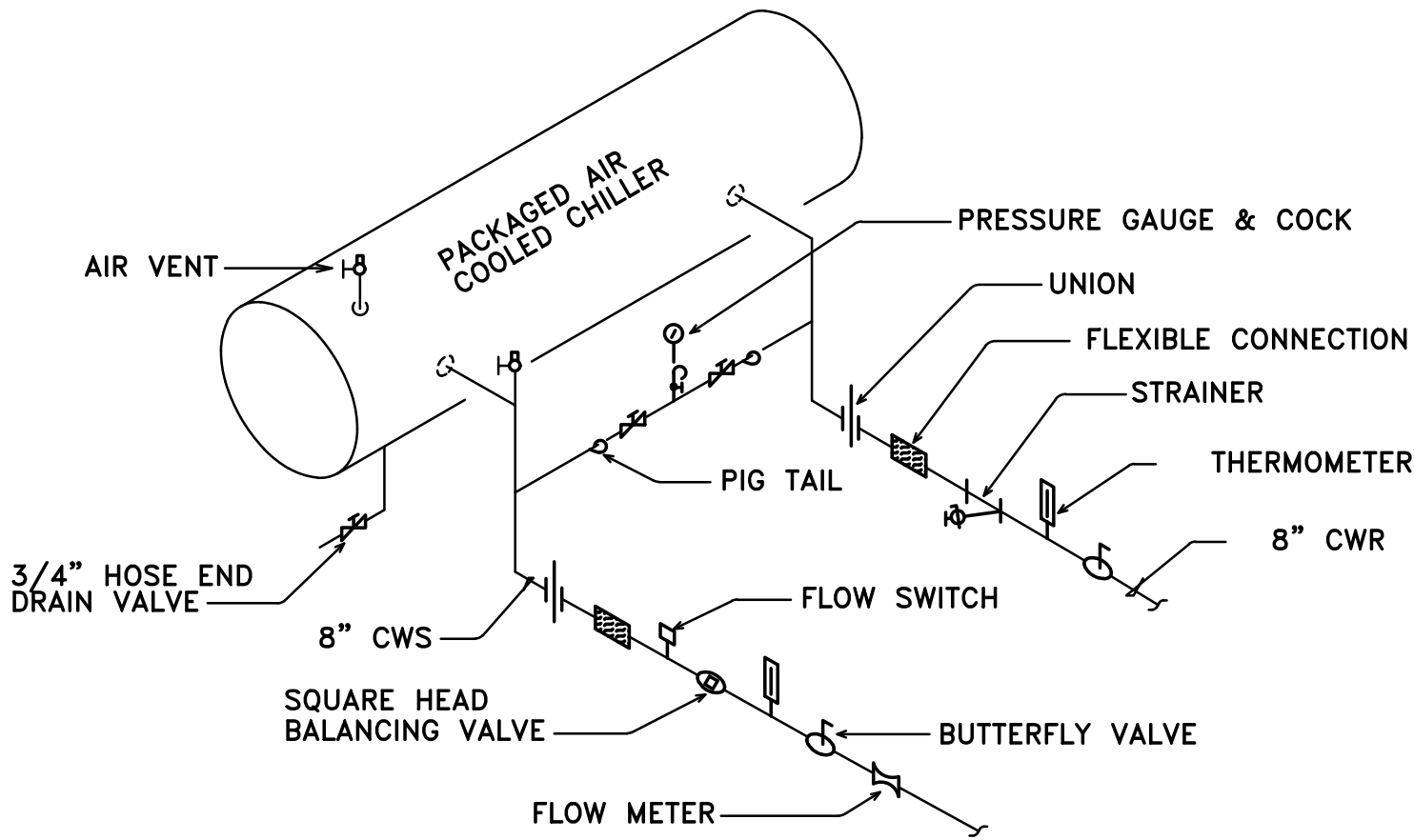
HVAC NOTES

- THE DRAWINGS ARE DIAGRAMMATIC, AND SHOW THE EXTENT OF HVAC WORK ONLY. PROVIDE INCIDENTAL ACCESSORIES, OFFSETS, FITTINGS, ETC., AS REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM. COORDINATE WORK WITH OTHER TRADES. OBTAIN AND PAY FOR ALL CERTIFICATES OF INSPECTION. WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD MECHANICAL AND FIRE CODES AND ALL LOCAL CODES. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED.
- EQUIPMENT SHALL BE NEW, AND OF THE QUALITY SPECIFIED HEREIN.
- REMOVE EXCESS DEBRIS AND RUBBISH AS THE WORK PROGRESSES. UPON COMPLETION, CLEAN ALL EQUIPMENT AND HVAC SPACES THOROUGHLY.
- ROUTE ALL PIPING PARALLEL TO THE BUILDING WALLS, AND INSTALL WITHOUT DEFORMING THE PIPING. PROVIDE ADEQUATE SUPPORT FOR ALL WORK.
- PROVIDE PIPE INSULATION AND ALUMINUM JACKET TO MATCH EXISTING.
- PROVIDE AUTOMATIC CONTROL FOR PUMPS, ALL CONTROL WORK SHALL BE BY THE TRANE COMPANY TO MATCH EXISTING CAMPUS CONTROLS.
- VISIT SITE PRIOR TO BID IN ORDER TO DETERMINE ENTIRE SCOPE OF WORK. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL WORK REQUIRED ONCE BIDS ARE RECEIVED.



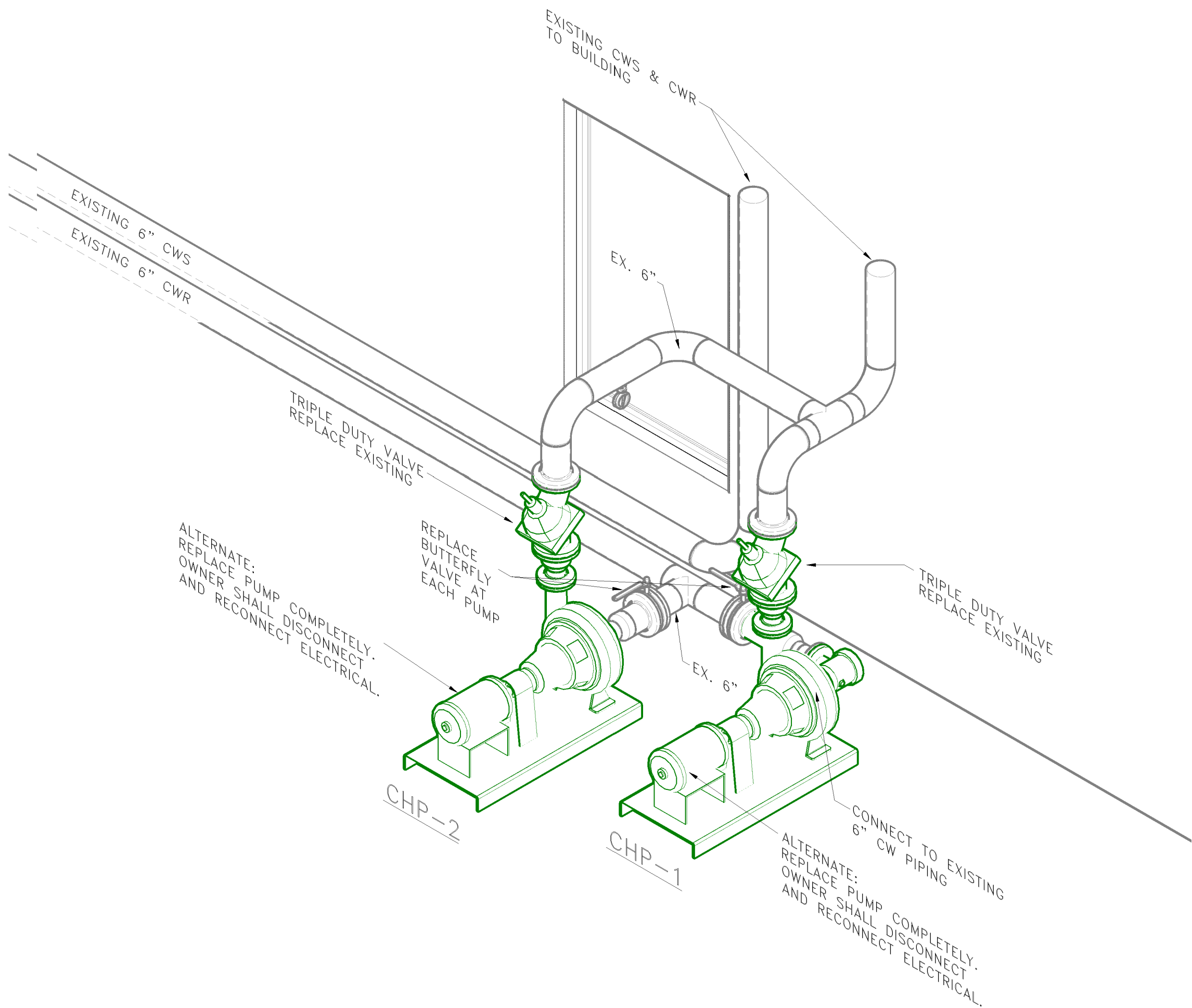
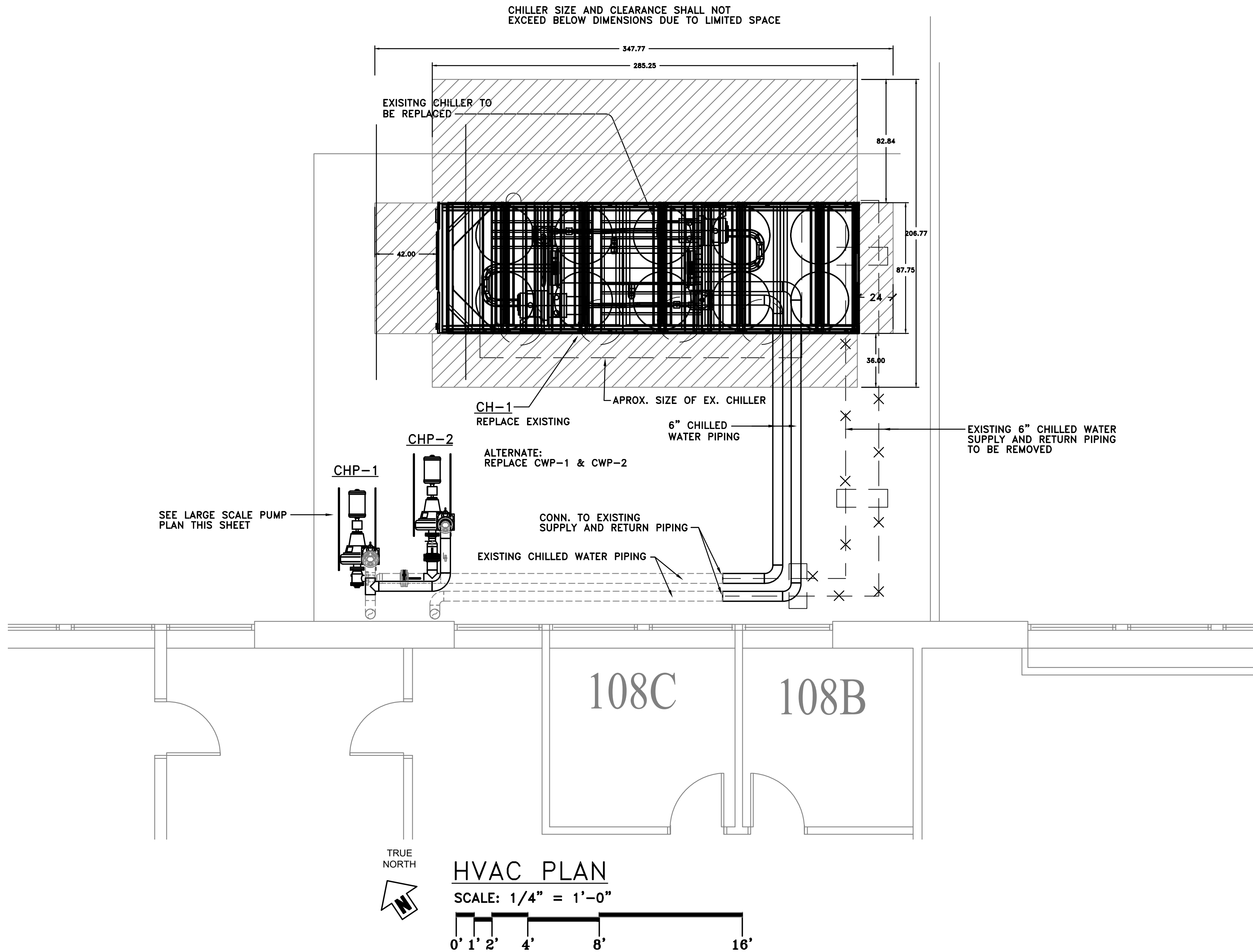
TYPICAL END SUCTION PUMP CONN. DETAIL

- NOT TO SCALE
- NOTE:
- PROVIDE REDUCER OR INCREASER AT PUMP SUCTION AND/OR DISCHARGE AS REQUIRED
 - CHILLED WATER PUMP IS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR



PACKAGED AIR COOLED CHILLER CONNECTION DETAIL

- NOT TO SCALE
- NOTES
- WRAP ABOVE GROUND PIPING WITH ELECTRIC HEAT CABLE PRIOR TO INSULATING
 - INSTALL FLOW SWITCH A MINIMUM OF 3'-0" FROM ANY ELBOW.
 - CHILLER SHALL BE SET ON 6" THICK CONCRETE PAD. PAD BY GEN. CONTRACTOR



LARGE SCALE PUMP PLAN

SCALE: NO SCALE

