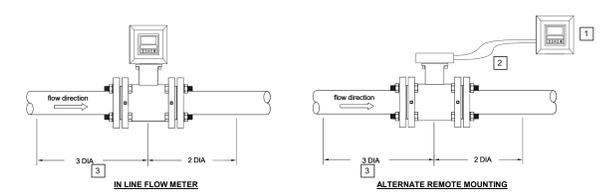


DETAIL NOTES:  
 1. POINTS SHOWN ARE FOR REFERENCE ONLY. REFER TO POINTS LIST FOR ADDITIONAL POINTS.

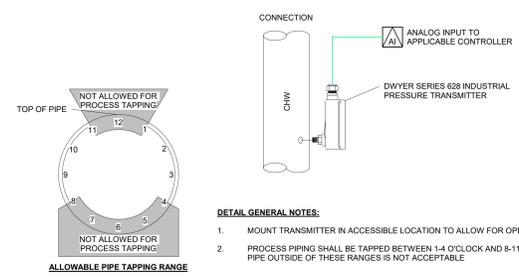
④ WEATHER STATION CONTROLS DETAIL  
 NTS



DETAIL GENERAL NOTES:  
 1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION FOR ADDITIONAL INFORMATION AND INSTALLATION REQUIREMENTS. FOLLOW THE MANUFACTURER'S GROUNDING REQUIREMENTS.

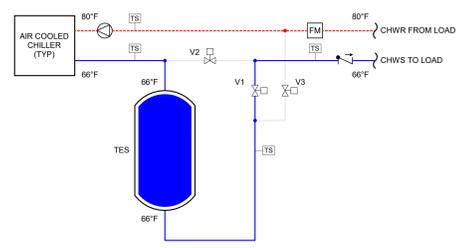
DETAIL KEYED NOTES:  
 1. INSTALL REMOTE TRANSMITTER AT GRADE LEVEL 5 FEET AFF IN AN ACCESSIBLE LOCATION FOR OPERATION AND MAINTENANCE.  
 2. CONTRACTOR SHALL COORDINATE LENGTH OF REQUIRED MANUFACTURE CABLES PRIOR TO ORDERING DEVICE. MANUFACTURE CABLES SHALL BE ROUTED IN A DEDICATED CONDUIT BETWEEN FLOW ELEMENT AND REMOTE FLOW TRANSMITTER. EXCESS CABLING SHALL BE NEATLY COILED UP NEAR THE FLOW ELEMENT.  
 3. BIDIRECTIONAL APPLICATIONS REQUIRE BOTH SIDES OF THE FLOW ELEMENT ADHERE TO THE UPSTREAM STRAIGHT PIPE REQUIREMENT.

③ IN LINE ELECTROMAGNETIC FLOW METER  
 NTS

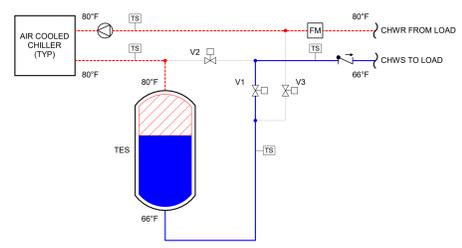


② CHW PT INSTALLATION (DWYER) CONTROLS DETAIL  
 NTS

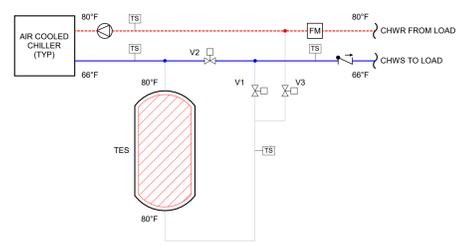
**NORMAL MODE**



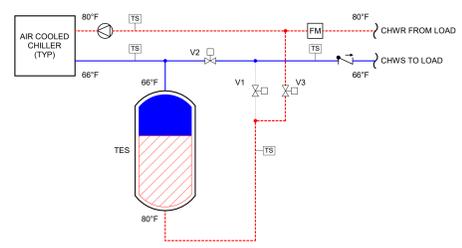
**DISCHARGE MODE**



**BYPASS MODE**



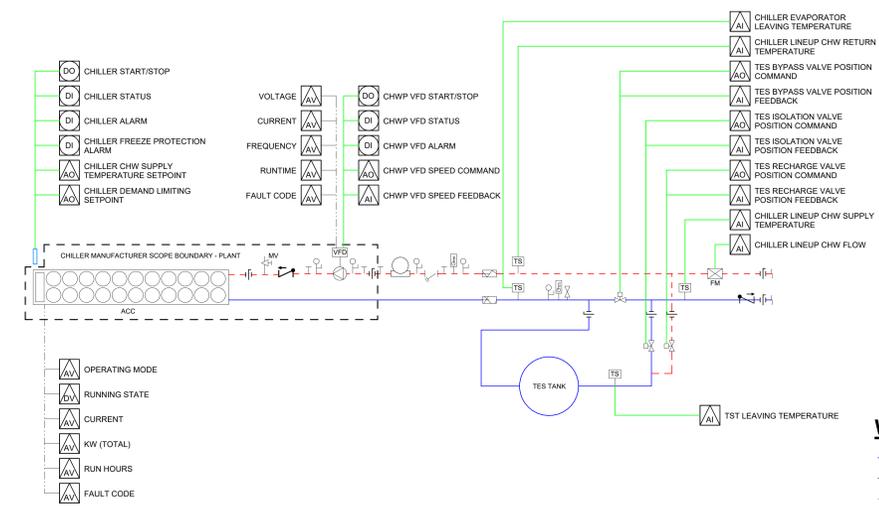
**RECHARGE MODE**



DEVICE TAG	DEVICE NAME	NORMAL MODE	DISCHARGE MODE	BYPASS MODE	RECHARGE MODE
V1	TST DISCHARGE VALVE	OPEN	OPEN	CLOSED	CLOSED
V2	TST BYPASS VALVE	CLOSED	CLOSED	OPEN	OPEN
V3	TST RECHARGE VALVE	CLOSED	CLOSED	CLOSED	MODULATING
	CHILLER LINEUP	ON	ON	ON	ON

\* CHILLER LINEUP 02 IS ONLY ENABLED IN RECHARGE MODE IF ADDITIONAL CAPACITY IS REQUIRED TO ACCOMMODATE THE CRITICAL LOAD AND THE TST RECHARGE LOAD.

⑤ THERMAL ENERGY STORAGE SYSTEM CONTROLS DIAGRAM  
 N.T.S.



DETAIL NOTES:  
 1. SEE MECHANICAL SCHEDULES FOR QUANTITIES AND LOCATIONS.  
 2. FLOW METER SHALL BE INSTALLED AT A LOCATION COMPLIANT WITH THE MANUFACTURER'S RECOMMENDED UNOBSTRUCTED STRAIGHT PIPE LENGTH AS REQUIRED FOR ACCURATE FLOW MEASUREMENT.  
 3. POINTS SHOWN ARE FOR REFERENCE ONLY. REFER TO POINTS LIST FOR ADDITIONAL POINTS.

① CHILLER LINE-UP CONTROLS DETAIL  
 NTS

**WIRING LEGEND:**  
 - - - - - ETHERNET  
 - - - - - SINGLE-MODE FIBER LC/LC CONNECTORS  
 - - - - - RS485 COMMUNICATION INTERLOCK  
 - - - - - HARDWIRED INTERLOCK  
 - - - - - INTERLOCK WIRING BY CONTROLS CONTRACTOR  
 - - - - - MANUFACTURER INTERLOCK  
 - - - - - 120VAC WIRING BY OTHERS INTERLOCK

**ISSUES**

NO.	DATE	DESCRIPTION
1	01/23/2026	DESIGN DEVELOPMENT

**REVISIONS**

NO.	DATE	DESCRIPTION
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kW Mission Critical Engineering  
 Contact: Alex Tate Phone: 404.829.8031  
 Engineer: Exp. Date:  
 License #: Exp. Date:

**NOT FOR CONSTRUCTION**  
 Date: 01/23/2026

**SF - ARK01**  
**DESIGN DEVELOPMENT**  
 CLARKSVILLE, AR 72830

**CONTROLS DETAILS**

**JOB SHEET**  
 US0049903.5614

IC05-01