



**GENERAL NOTES**

1. FEEDWATER HEATER DRAIN PIPING CONFIGURATION PER ASME TDP-1-2006.
2. CONDENSATE PUMP RECIRCULATION REQUIRES A SPARGER DESIGNED FOR 50 PSI BACK PRESSURE AT MINIMUM RECIRCULATION FLOW.
3. TURBINE BYPASS REQUIRES SPARGERS DESIGNED FOR 150 PSI BACKPRESSURE AT BYPASS FLOW.
4. VAPOR SIDE PIPING LESS THAN 2" WILL BE SOCKET WELD CONNECTIONS. PIPING GREATER THAN 2" WILL BE WELD ENDS.
5. PIPED TO TRAYS BENEATH COOLING COILS.
6. LOCATED ON WATER BOX RETURNS. (FARSIDE NOT SHOWN FOR CLARITY.)
7. ALL TEMPERATURE, PRESSURE AND CONDUCTIVITY INSTRUMENTATION SUPPLIED BY CONTRACTOR.
8. PIPE CND-1103, 1106, 1108, 1112, 1115, 1117 TO COMMON LOCATION 18" ABOVE GRADE, AWAY FROM ELECTRICAL EQUIPMENT. PROTECT ADJACENT EQUIPMENT FROM WATER SPRAY.
9. PROVIDE 1"x1" MESH, 12 GAUGE OR GREATER SCREEN.
10. SUPPLIED BY CONDENSER VENDOR.
11. THERMOWELLS TO BE INSTALLED IN CIRCULATING WATER INLET/OUTLET CONNECTIONS.
12. VACUUM BREAKER VALVE SUPPLIED BY HOLTEC AND CONTROLLED BY TURBINE CONTROL SYSTEM UNDER SIEMENS TAG NO. MAG10AA005.
13. POINTS WIRED TO DCS.
14. ADDITIONAL SPARE DRAIN NOZZLES INCLUDE NOZZLES SP1-SP6 AND LP1-LP4 (NOT SHOWN).

**REFERENCE DRAWINGS**

1. ANNOTATIONS, ABBREVIATIONS, ASSOCIATIONS PROCESS AND INSTRUMENTATION DIAGRAM MECHANICAL & INSTRUMENTATION SYMBOLOLOGY D014200-AAAM01001 SH01 AND SH02
2. SIEMENS DRAIN SYSTEM, DRAIN TANK (1CSD421006) M014200-STGD00007 SH01 RB1
3. SIEMENS CONDENSER SYSTEM (1CSD421004) M014200-STGD00005 SH01 RB1
4. HOLTEC GENERAL ARRANGEMENT DRAWING FOR STEAM SURFACE CONDENSER (8284-SHOT R6) M014200-CNDA00001 S01 R6

NO.	REVISION	DATE	DRWN	ESGD	CHKD	CHKD
2	CHANGED REDUCER SIZE	7/20/12	TM	APL	SSR	TRG
1	ADDED NOZZLE #S & NOTE, REMOVED HOLDS	5/28/12	MSR	TRP	DUR	TRG
0	ISSUED FOR CONSTRUCTION (WITH HOLDS)					



ZACHRY ENGINEERING CORPORATION - 1515 ARAPAHOE STREET, TOWER 1, SUITE 800, DENVER, CO 80202-4298  
 FLORIDA BOARD OF PROFESSIONAL ENGINEERS CERTIFICATE OF AUTHORIZATION #021739  
 AMARILLITO, TN CHARLOTTE, NC HOUSTON, TX MINNEAPOLIS, MN OMAHA, NE SAN ANTONIO, TX

**GAINESVILLE RENEWABLE ENERGY CENTER  
CONDENSER SYSTEM  
PROCESS & INSTRUMENTATION DIAGRAM**

DESIGNER	CHECKED	DESIGNED	CHECKED
A. NELSON	T. PFLIEGER	P. OMELIANCHUK	A. CASEY
APPROVED BY D. S. STEIN	DRAWING NUMBER D014200-CNDM01001	SHEET 02	REV 2

