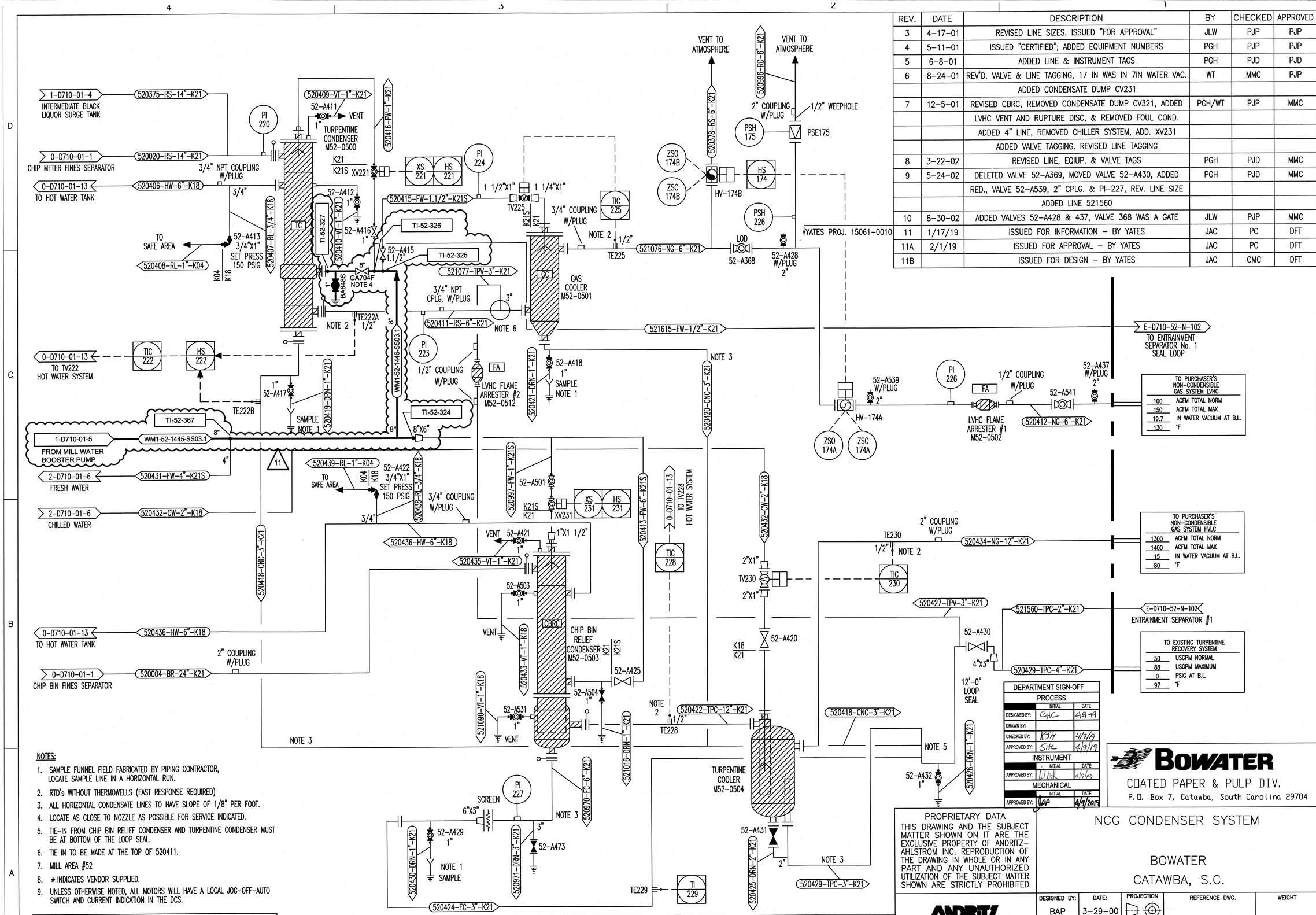

REV.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
3	4-17-01	REVISED LINE SIZES. ISSUED "FOR APPROVAL"	JLW	PJP	PJP
4	5-11-01	ISSUED "CERTIFIED"; ADDED EQUIPMENT NUMBERS	PGH	PJP	PJP
5	6-8-01	ADDED LINE & INSTRUMENT TAGS	PGH	PJD	PJD
6	8-24-01	REV'D. VALVE & LINE TAGGING, 17 IN WAS IN 7IN WATER VAC.	WT	MMC	PJP
		ADDED CONDENSATE DUMP CV231			
7	12-5-01	REVISED CBRC, REMOVED CONDENSATE DUMP CV321, ADDED	PGH/WT	PJP	MMC
		LVHC VENT AND RUPTURE DISC, & REMOVED FOUL COND.			
		ADDED 4" LINE, REMOVED CHILLER SYSTEM, ADD. XV231			
		ADDED VALVE TAGGING. REVISED LINE TAGGING			
8	3-22-02	REVISED LINE, EQIUP. & VALVE TAGS	PGH	PJD	MMC
9	5-24-02	DELETED VALVE 52-A369, MOVED VALVE 52-A430, ADDED	PGH	PJD	MMC
		RED., VALVE 52-A539, 2" CPLG. & PI-227, REV. LINE SIZE			
		ADDED LINE 521560			
10	8-30-02	ADDED VALVES 52-A428 & 437, VALVE 368 WAS A GATE	JLW	PJP	MMC
11	1/17/19	ISSUED FOR INFORMATION - BY YATES	JAC	PC	DFT
11A	2/1/19	ISSUED FOR APPROVAL - BY YATES	JAC	PC	DFT
11B		ISSUED FOR DESIGN - BY YATES	JAC	CMC	DFT

NOTES:

1. SAMPLE FUNNEL FIELD FABRICATED BY PIPING CONTRACTOR, LOCATE SAMPLE LINE IN A HORIZONTAL RUN.
2. RTD's WITHOUT THERMOWELLS (FAST RESPONSE REQUIRED)
3. ALL HORIZONTAL CONDENSATE LINES TO HAVE SLOPE OF 1/8" PER FOOT.
4. LOCATE AS CLOSE TO NOZZLE AS POSSIBLE FOR SERVICE INDICATED.
5. TIE-IN FROM CHIP BIN RELIEF CONDENSER AND TURPENTINE CONDENSER MUST BE AT BOTTOM OF THE LOOP SEAL.
6. TIE IN TO BE MADE AT THE TOP OF 520411.
7. MILL AREA #52
8. * INDICATES VENDOR SUPPLIED.
9. UNLESS OTHERWISE NOTED, ALL MOTORS WILL HAVE A LOCAL JOG-OFF-AUTO SWITCH AND CURRENT INDICATION IN THE DCS.

PIPE SPECIFICATION KEY					
K04	150#	CS	STD	200 PSIG @ 400°F
K18	150#	304L SS	5S,10S,40S	160 PSIG @ 400°F
K21	125#	304L SS	10S,40S	125 PSIG @ 250°F
K21S	180#	304L SS	5S,10S,40S	180 PSIG @ 120°F

DEPARTMENT SIGN-OFF		
PROCESS	INITIAL	DATE
DESIGNED BY:	CHC	4-9-19
DRAWN BY:		
CHECKED BY:	KJH	4/9/19
APPROVED BY:	SHL	4/9/19
INSTRUMENT	INITIAL	DATE
APPROVED BY:		4/9/19
MECHANICAL	INITIAL	DATE
APPROVED BY:	JOP	4/9/2019

BOWATER
COATED PAPER & PULP DIV.
P.O. Box 7, Catawba, South Carolina 29704

PROPRIETARY DATA
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NCG CONDENSER SYSTEM

BOWATER
CATAWBA, S.C.

CONFIDENTIAL

ISSUED FOR DESIGN
BY [illegible] DATE 3/29/99

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ANDRITZ AHLSTROM
Andritz-Ahlstrom Inc.
Ridge Center
Glens Falls, New York 12801

DESIGNED BY:	DATE:	PROJECTION	REFERENCE DWG.	WEIGHT
BAP	3-29-00			
CHECKED BY:	DATE:			
PJP	3-29-00			
APPROVED BY:	DATE:	SCALE:	DRAWING NUMBER	REV
MMC	3-29-00	NONE	2-D710-01-5	11B