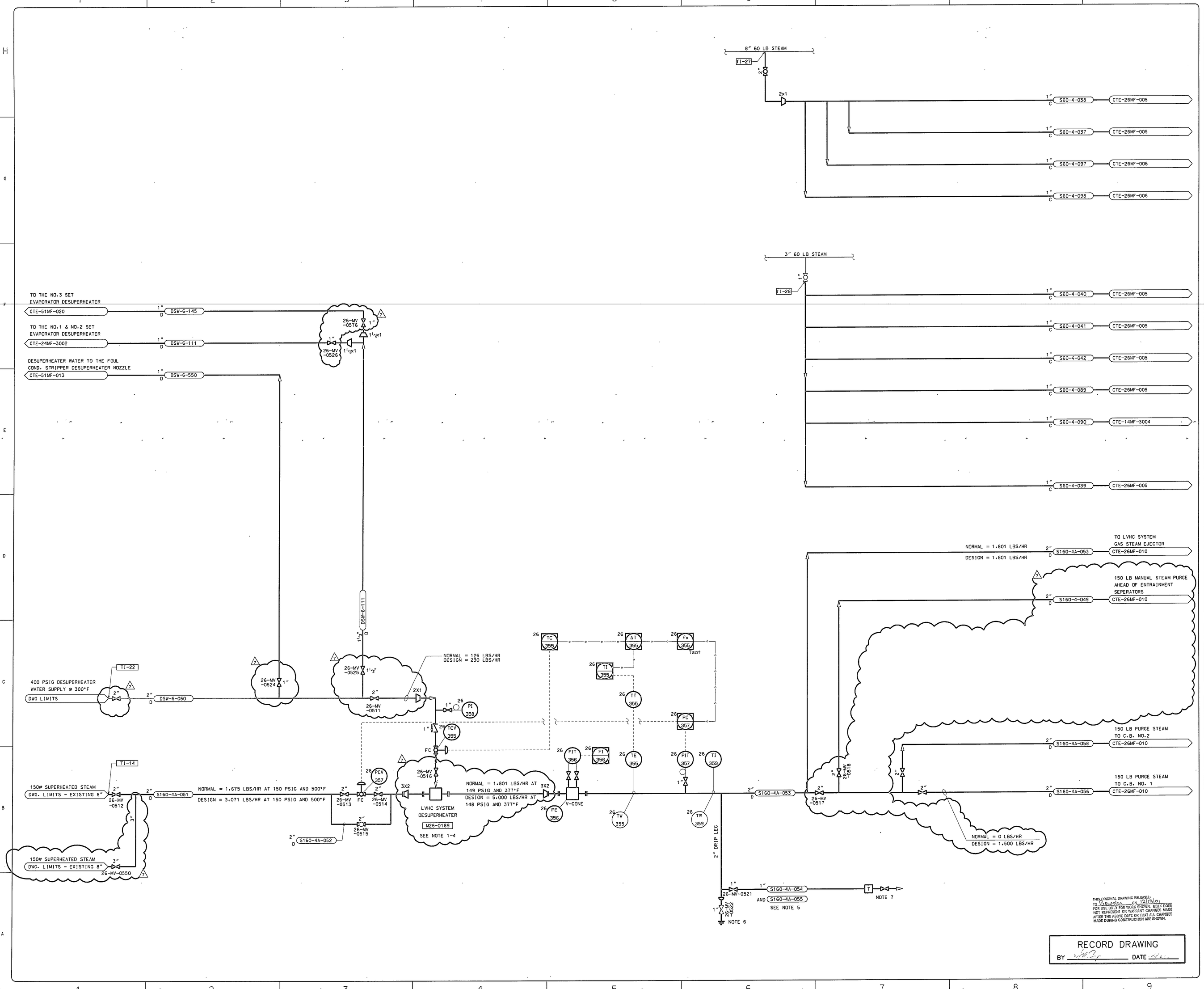

NOTES

1. LENGTH OF STRAIGHT UPSTREAM PIPE = 1 FT.
2. LENGTH OF STRAIGHT DOWN STREAM PIPE = 10 FT.
3. MINIMUM DISTANCE REQUIRED TO THE TEMPERATURE SENSOR = 20 FT (THIS PIPING DOES NOT HAVE TO BE STRAIGHT).
4. DESUPERHEATER
   MFR = COPES-VULCAN
   MODEL = 2/2" VAD
   CLASS = ANSI 300
   BODY = A106 GRABE B CARBON STEEL
   INLET = 2" BUTT WELD SCH 80
   OUTLET = 2" BUTT WELD SCH 80
   COOLANT CONN = .375" BUTT WELD SCH 40
   MAX CAPACITY = 5.384 LB/HR
   MAX ΔP = 2.47 PSI
5. TWO DRIP LEGS WITH TRAPS WILL BE REQUIRED FOR THE DESUPERHEATED STEAM PIPING.
6. DIRECT CONDENSATE DRAINS AWAY FROM PERSONNEL AND EQUIPMENT.
7. THE PIPING DRAWINGS WILL SHOW THE ARRANGEMENT AND LOCATION OF EACH STEAM TRAP STATION.

REV. NO.	CODE CIRCLES / REV. BY	DATE	DESCRIPTION	CHECKED BY	APPROVED	APPROVED
7	G – / TTC	11 27 01	RELEASED FOR RECORD			
6	B 7 / TGT	12 21 00	CHANGED LIONE SIZES; ADDED S160-4A-547 & 548			
5	B 4 / TGT	11 16 00	GENERAL REVISION			
4	B 10 / TGT	07 28 00	INCORPORATED HAZOP COMMENTS RELEASED FOR DESIGN			
3	B 10 / TGT	06 12 00	RELEASED FOR DESIGN		TGT	JDC
2	B 8 / TGT	05 04 00	UPDATED DESUPERHEATER INFORMATION		TGT	JDC
1	B / TGT	03 27 00	ADDED INSTRUMENT NO.'S		TGT	JDC
0	B 0 / TGT	03 02 00	RELEASED FOR DESIGN	BNN	TGT	JDC
A	A / TGT	02 07 00	RELEASED FOR CLIENT APPROVAL		TGT	JDC

NOTE: CIRCLE ALL REVISIONS. IDENTIFY WITH DIAMOND. NUMBER AND ARROW. REMOVE ONLY CIRCLE AND ARROW BEFORE NEXT REVISION.

ISSUE CODE					
A	PRELIMINARY	C	MAT'L T.O.	F	CONST'N
B	DESIGN	D	MAT'L PURC.	G	RECORD
		E	BIDS		

SEAL

SIGNATURE

DATE

BE&K ENGINEERING OF NORTH CAROLINA, INC.
5950 PERIMETER PARK DRIVE, SUITE 103
MORRISVILLE, NORTH CAROLINA 27560

DR. J. CARPENTER	DATE 02/04/00
DSGN. T. TOMPKINS	FILE NUMBER
CK. D. MAXTON	
DPE T. TOMPKINS	JOB NO. 99-2069
Cadfile Name: G:#992069#26mf009.dgn	

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

DRAWING TITLE
CLUSTER RULE PROJECT
LVHC COLLECTION SYS.
DESUPERHEATER
P & I DIAGRAM

BE&K DRAWING NUMBER
069-PO-004

CLIENT DRAWING NUMBER
CTE-26MF-009

Wed Nov 21 16:05:57 2001