



- NOTES**
- ALL DUCTWORK TO BE IN ACCORDANCE WITH STANDARD ENGRG SPEC SH1A & SHALL BE EITHER 16 GA BLACK IRON OPEN HEARTH LOW CARBON STEEL COMPARABLE TO SAE1020 FABRICATED IN SECTIONS ABOUT 10' LONG WITH FLANGED JOINTS AS PER ENGRG STD H23J OR 16 GA GALV IRON WITH LAP JOINTS & RIVETING & UNPROTECTED EDGES PAINTED USING COATING SYSTEM NO. 9 OF DUPONT SPEC 323D.
  - BLACK IRON DUCTWORK TO BE PAINTED INSIDE & OUTSIDE IN ACCORDANCE WITH DUPONT SPEC 3206 PAGES 18 & 19 SECTION 1.2B FOR TANK EXTERIOR.
  - FAN WHEEL & CASING, INSIDE & OUT SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH DUPONT SPEC 3019, SECTION BR5.
  - EXPOSED PORTION OF FAN SHAFT TO BE CLEANED & WRAPPED WITH VARNISHED CAMBRIC.
  - DRIVE GUARD TO BE AS PER ENGRG STD H2N.
  - ALL FAN AND MOTOR BEARINGS TO BE PROVIDED WITH 'GITS' OILERS.
  - CASING BETWEEN HEATING COILS & FAN, COILS, FAN, & DUCTWORK BETWEEN FAN & CONCRETE TO BE COVERED WITH 1 1/2\"/>
  - ALL PIPING SHALL BE FABRICATED & INSTALLED IN ACCORDANCE WITH DUPONT SPEC 3018.
  - CONTROL VALVE PROVIDED BY WILMINGTON DESIGN.
  - RUNOUT TO HEATING COILS SHALL BE TAKEN OFF TOP OF STEAM MAIN.
  - BLOW-OFF VALVES & TEST CONNECTIONS TO BE SO LOCATED OR THEIR DISCHARGE SO PIPED AS TO ELIMINATE POSSIBILITY OF INJURY TO PERSONNEL OR DAMAGE TO MATERIAL.
  - 15# STEAM LINE INSULATION TO BE STD THICKNESS CODE NIA FINISH 'F'.
  - CONDENSATE RETURN LINE TO BE INSULATED WITH STD THK NIA FINISH 'F' BELOW EL 6'-6\"/>
  - ALL VALVES SHALL CONFORM WITH VALVE CODE, ENG STD PIV FINISHED AS FOLLOWS:  
UP TO AND INCL 2\"/>
  - ALL PIPING TO SLOPE IN DIRECTION OF ARROWS APPROX 1\"/>
  - CHECK VALVE 'R' (INSTALLED IN REVERSE POSITION) FOR USE AS VACUUM BREAKER TO PREVENT COIL FREEZE-UP.
  - BLANK OFF OPENINGS BELOW COILS & FILTERS WITH SHEET METAL.

**THIS DRAWING IS A SCANNED CAD PLOT**  
 REVISION REQUIRES PROPER RASTER/VECTOR SOFTWARE.  
 CONTACT WAME DRAFTING DEPARTMENT FOR FURTHER INFORMATION.  
 DO NOT REVISE THIS PLOTTED COPY.

THIS DOCUMENT CONTAINS INFORMATION RELATING TO ACTIVITIES OF THE U.S. DEPARTMENT OF ENERGY. NOT TO BE REPRODUCED OR RELEASED WITHOUT PRIOR APPROVAL.

M/F	BLDG	PROJ	DA	TYPE	W163389	LAST	26
						REV	

SAVANNAH RIVER PLANT  
 200 AREA ADD. WASTE STORAGE TANKS  
 BUILDING No. 241-H  
 DEHUMIDIFICATION SYSTEM  
 HEATING & VENTILATION (U)

STANDARDS		REFERENCE DRAWINGS		PROJECT 8990, 951749	
H 16 J	W163012			SCALE	1/4" = 1'-0"
H 1 K	W163018			DATE	8-12-55
H 2 N	55-2-4990			DRAWN	J.H. WHALEY
B 6 H SH 1	W702402			CHECKED	CY BERN
H 23 J				APPROVED	8-15-55
				DESIGN RELEASE	
				APPROVED	
				CONSTR. RELEASE	

**STEAM**

CONTROL VALVE	GATE VALVE	STRAINER	GATE VALVE	GLOBE VALVE	GATE VALVE	PIPE
(A)	(B)	(C)	(D)	(E)	(F)	(G)
SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
1 1/4"	500	1 1/4"	2"	2"	1 1/4"	1 1/2"
						2"

**CONDENSATE**

TRAP	GATE VALVE	STRAINER	GATE VALVE	REV CH VALVE	15" SWING-VAC BREAKER	THERMO TRAP	PIPE
(J) OR EQUAL	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
1 1/2"	1500	SARCO FTP-1	1 1/2"	3/4"	3/4"	1/2"	1 1/2"



E & PD DRAWING NO. M MD H 7643 26

PROJ.	REV. NO.	DATE	REVISION	PRP'D	CHK'D	DEM	MPE	PROJ.	REV. NO.	DATE	REVISION	PRP'D	CHK'D	DEM	MPE
	25	07-28-93	ADDED NOTE FOR TEMP GAGE. INCORP W-DCP-H-92091. ISSUE FOR												
	26	1-24-00	INCORP. G-DCF-G-00092. (GPC) SEE MICROFILM FOR PREVIOUS REVISIONS CONFIG CONTROL (DEM IS COG ENGR, MPE IS COG ENGR MGR). DM-SW-DM												

UNITED STATES DEPARTMENT OF ENERGY  
 SAVANNAH RIVER SITE

ENGINEERING DEPARTMENT  
 W163389