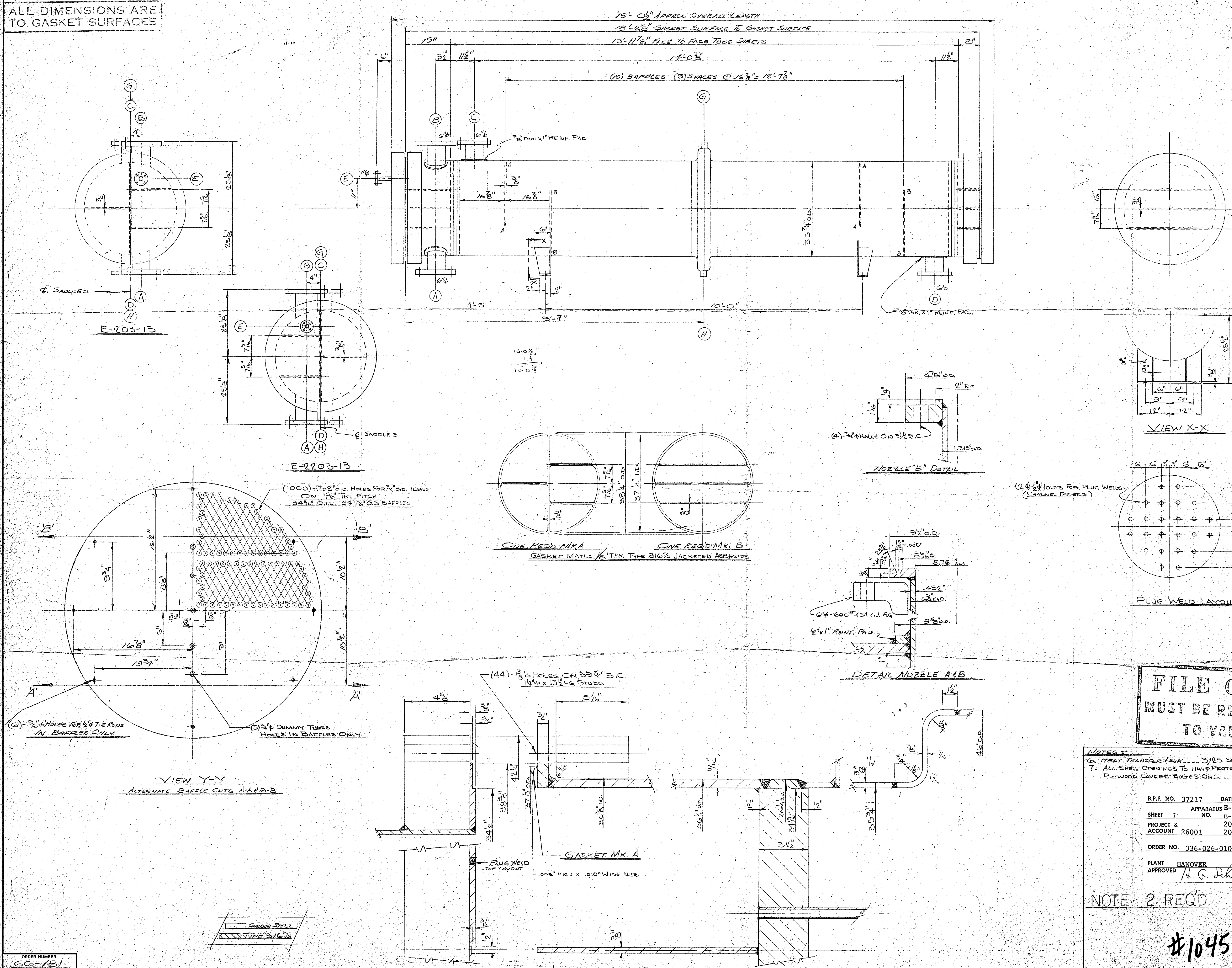


ALL DIMENSIONS ARE
TO GASKET SURFACES



NOZZLE SCHEDULE					
MK	SIZE	RATING	FACING	NOZZLE NECK	SERVICE
A	6/4	600 TH	RTJ.	5CH X H.T.F. 316	TUBE IN
B	↓	↓	↓	↓	TUBE OUT
C	↓	360 TH	R.R.S.O.	X-H PIPE	SHELL IN
D	↓	↓	↓	↓	SHELL OUT
E	1 1/4	600 TH	SEE DTL.	5CH X-H T.P. 316	T.W.
S	3000 TH	500 TH	↓	160ST CORNET	VENT
H	↓	↓	↓	↓	DRAIN

ASME CODE REQUIREMENTS		
	SHELL SIDE	TUBE SIDE
DESIGN PRESSURE	200 PSI	600 PSI
DESIGN TEMPERATURE	600 °F	600 °F
HYDROSTATIC TEST PRESSURE	300 PSI	900 PSI
CORROSION ALLOWANCE	1/8"	0"
POSTWELD HEAT TREATMENT	NONE	NONE
RADIOGRAPHIC EXAMINATION	FULL ON CHANNEL LEAKS SEAM	

CUSTOMER INSPECTION 13 REQUIRED.
SPECIFICATION REQUIREMENTS: ASME CODE SECTION
VIII AND TEMA CLASS "C"

MATERIALS OF CONSTRUCTION		
TUBES:	SA-240 TYPE 316 AVE. WALL NO. 000 OD 3 1/2" BWG 7/8" LENGTH 1650"	
TUBESHEETS:	SA-240 TYPE 316 7/8"	
PART	SHELL SIDE	TUBE SIDE
SHELL/CHANNEL	SA-212 GR. B	SA-240 TYPE 316
SHELL COVER	NONE	NONE
FORMED HEADS	SA-212 GR. B	NONE
BODY FLANGES	NONE	SA-212 GR. B
NOZZLE FLANGES	SA-181 GR. 1	SA-182 F. 316
NOZZLE PIPE	SA-53 GR. B 5/8"	SA-240 TYPE 316
STUDS AND NUTS	SA-193-B7 SA-194-2H	SA-193-B7 SA-194-2H
GASKETS	7/8" 316% JACKETED ASB 607CS	
PACKING		
FLOATING BARREL		
FLOATING HEAD COVER		
FLOATING HEAD BACKING RING		
CHANNEL COVER	LINED W/ SA-212 GR. B SA-240 TYPE 316	

NON PRESSURE PARTS	
SUPPORT SADDLES	SA-7
BAFFLES/TUBE SUPPORTS	SA-7
TIE RODS	STEEL
PASS PARTITIONS	TYPE 316 3/4"

NOTES	
1. ESTIMATED WEIGHT: EMPTY: 20000# FULL: 27200#	
2. PAINT: SANDBLAST STAINLESS STEEL/STAINLESS STEEL OUTSIDE	
3. ALL BOLT HOLES TO STRADDLE MAIN CENTER LINES.	
4. EQUIPMENT NUMBER TO BE PAINTED ON SHELL IN 2" HIGH LETTERS.	

FILE COPY
MUST BE RETURNED
TO VAULT

NOTES:
6. HEAT TRANSFER AREA: 3125 Sq. Ft. (EACH)
7. ALL SHELL OPENINGS TO HAVE PROTECTIVE PLYWOOD COVERS BOLTED ON.

B.P.F. NO. 37217 DATE 10/13/67
SHEET 1 APPARATUS E-203-13
PROJECT & ACCOUNT 26001 2001 2014

ORDER NO. 336-026-01085
PLANT HANOVER
APPROVED *H. G. Schuber*

CUSTOMER: HERCULES POWDER CO. INC.		
CUSTOMER PO NO: 336-026-01085-11-000-FCD		
ITEM NO: E-203-13/E-2203-13/PROJECT NO:		
PLANT: WILMINGTON, N.C.		
TEMA SIZE AND TYPE: 35-132 CEN. HORIZONTAL PREHEATER		
SOUTHERN HEAT EXCHANGER CORP TUSCALOOSA, ALABAMA		
DATE: DEC 66	ORDER NO:	DRAWING NO:
DRAWN BY: DEBAUX	66-181	SL 749-5

NOTE: 2 REQ'D

#104547