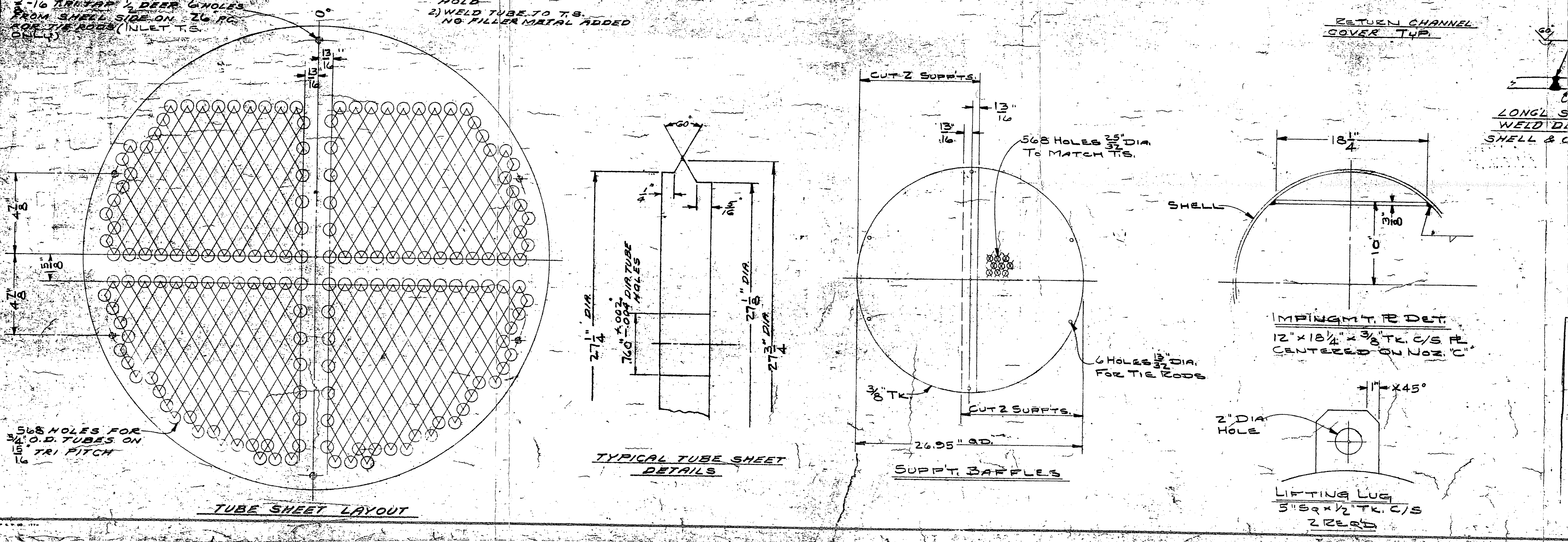
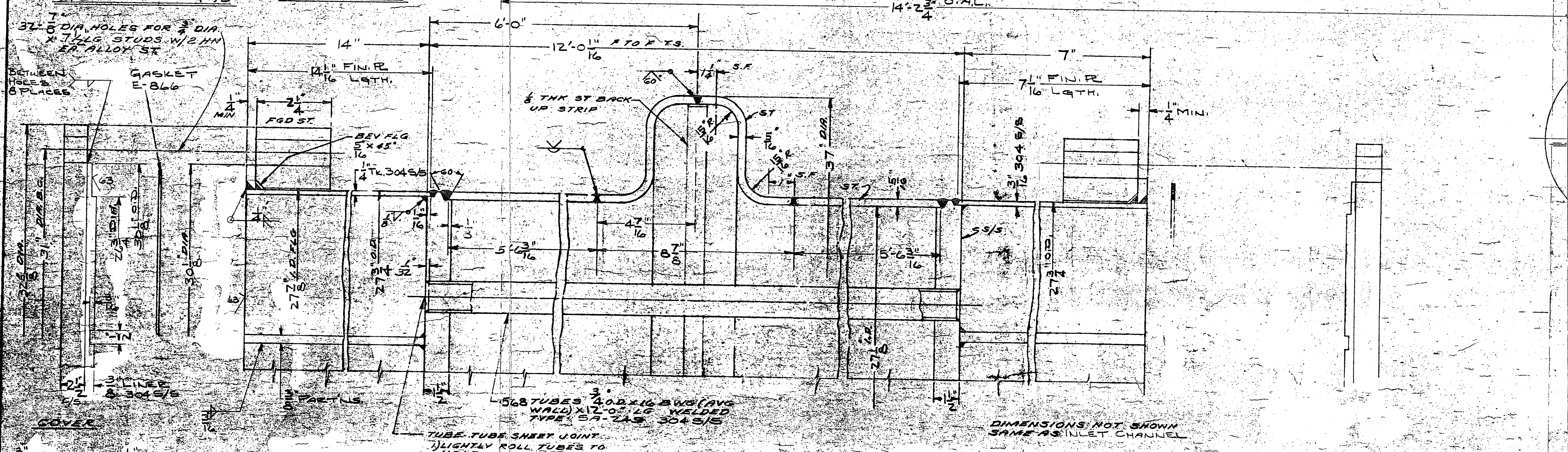
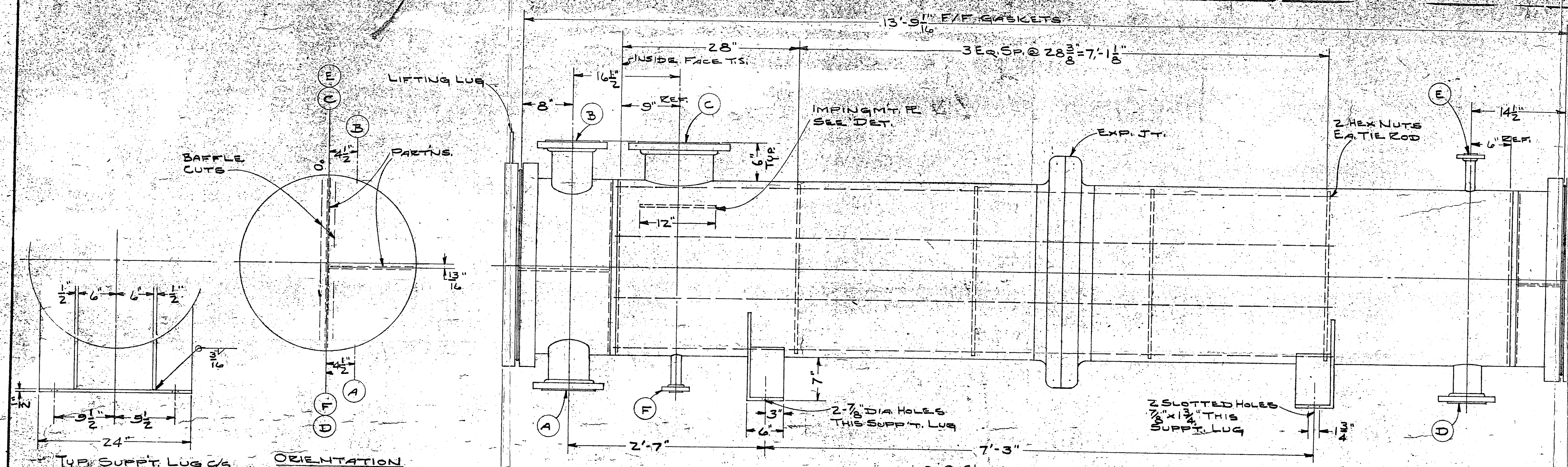
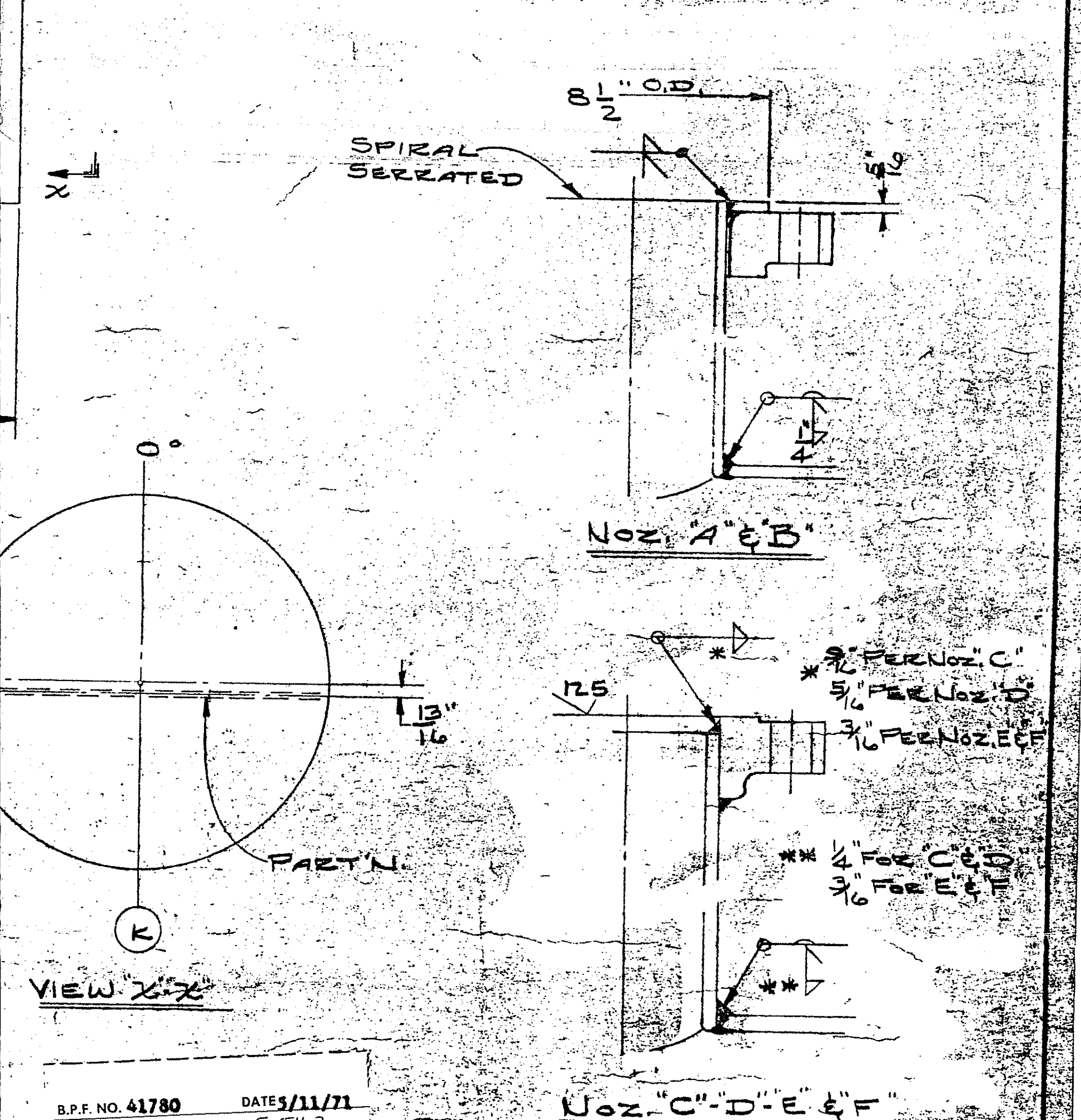




NOTE: TWO TIE RODS 3/4" DIA. X 1/2" LG. TS. END & 2 LG. OPE. END.

PART NO.	QTY.	DESCRIPTION	MAT'L
2A	4	TIE RODS 3/4" DIA. X 1/2" LG.	STEEL
2B	2	" " " " " " " "	"
3A	10	3/4" SCH. 40 PIPE SPACERS X 20 1/4"	"
3B	6	" " " " " " " "	"
3C		" " " " " " " "	"
3D		" " " " " " " "	"

NOZ.	SIZE	FLG. TYPE	FLG. RATE	NOZ. NECK INTR. MAT.	FLG. MAT.	REMARKS
A	6"	LAP	150	SCH. 40 S/S	SSD	
B	6"	LAP	"	" " " "	"	
C	10"	S.O.	"	SCH. 80 C/S	"	
D	4"	S.O.	"	" " " "	"	
E, F	1"	S.O.	"	" " " "	"	



B.P.F. NO. 41780 DATE 5/11/71
SHEET 3 APPARATUS E-511-2
PROJECT & ACCOUNT 26019 2004
ORDER NO. 336-026-19395
PLANT APPROVED [Signature] 5/11/71

NOTE: SPARE GASKETS TO BE FURNISHED IN ACCORD WITH ORDER SPEC.
HERC, INC. ORD. NO. 336-026-19395-11-001-FED TWO VESSELS REQ'D.

GENERAL NOTES:
DESIGN, FABRICATION & INSPECTION IN ACCORD WITH ASME UPTV CODE (1998) & TEMA SPECS CLASS 'C'
ASME CODE STAMP REQ'D
SPOT RADIOGRAPHIC EXAM. REQ'D
PAINT SUPPORT CLIP LUGS ONLY PER HERC INC. SPEC. PROC.

	TUBE SIDE	SHELL SIDE
DESIGN PRESS - FULL VAC.	120 PSIG	150 PSIG
DESIGN TEMP.	250 °F	266 °F
HYDRO TEST	180 PSIG	216 PSIG
CORROSION ALLOW.	NONE	.0625"
FLUID	METHANOL	STEAM

	MAT'L	ASME SPEC
TUBES	304 C/S	SA-243
TUBE SHEETS	304 S/S	SA-240
TIE RODS	STEEL	
SPACERS	304 S/S	SA-240
BAFFLES	304 S/S	SA-240
CHANNELS	C/S 304 S/S	SA-515-70/240
CHANNEL COVERS	STEEL	SA-515-70
SHELL	STEEL	SA-515-70
CHANNEL FLG	STEEL	SA-515-70
NOZ. NECK (CHANNEL)	304 S/S	SA-181-II
NOZ. FLG (SHELL)	STEEL	SA-515-B
NOZ. FLG (S)	SSD ST	SA-181-I
EXT. STUDS	AL ST	SA-133-B*
EXT. NUTS	AL ST	SA-133-B*
GASKETS	1	"SPIRAL WOUND, S/S, 2448

WT OF UNIT 2412600*, FLOODED 16100*
THOROUGHLY CLEAN INSIDE & OUTSIDE OF UNIT TO BE FREE OF ALL MILL SCALE, RUST, DIRT, SLAG OR OTHER FOREIGN MATTER.

NO.	DATE	REVISION	APPROVED
3	5-7	DELETED 6 COUP. ADDED 2 NOZ. E&F. CORRECTOR	HVW
2	3-27	CORRECTED T.S. LAYOUT	HVW
1	2-8	IMP. FLG. LAPS WERE SA-181-II & CORRECTED NOZ. MAT'L	HVW

SCALE: 1" = 1'-0" DRAWN: HVW CHECKED: [Signature]
DATE: 12-8-76 PREPARED BY: 4 PAGES 11005 SF. FIRST MADE FOR HERC INC. 5247
DRAWING NO. A-951

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