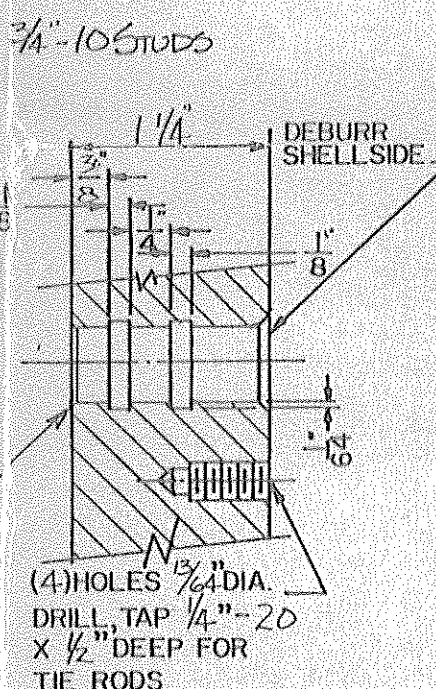
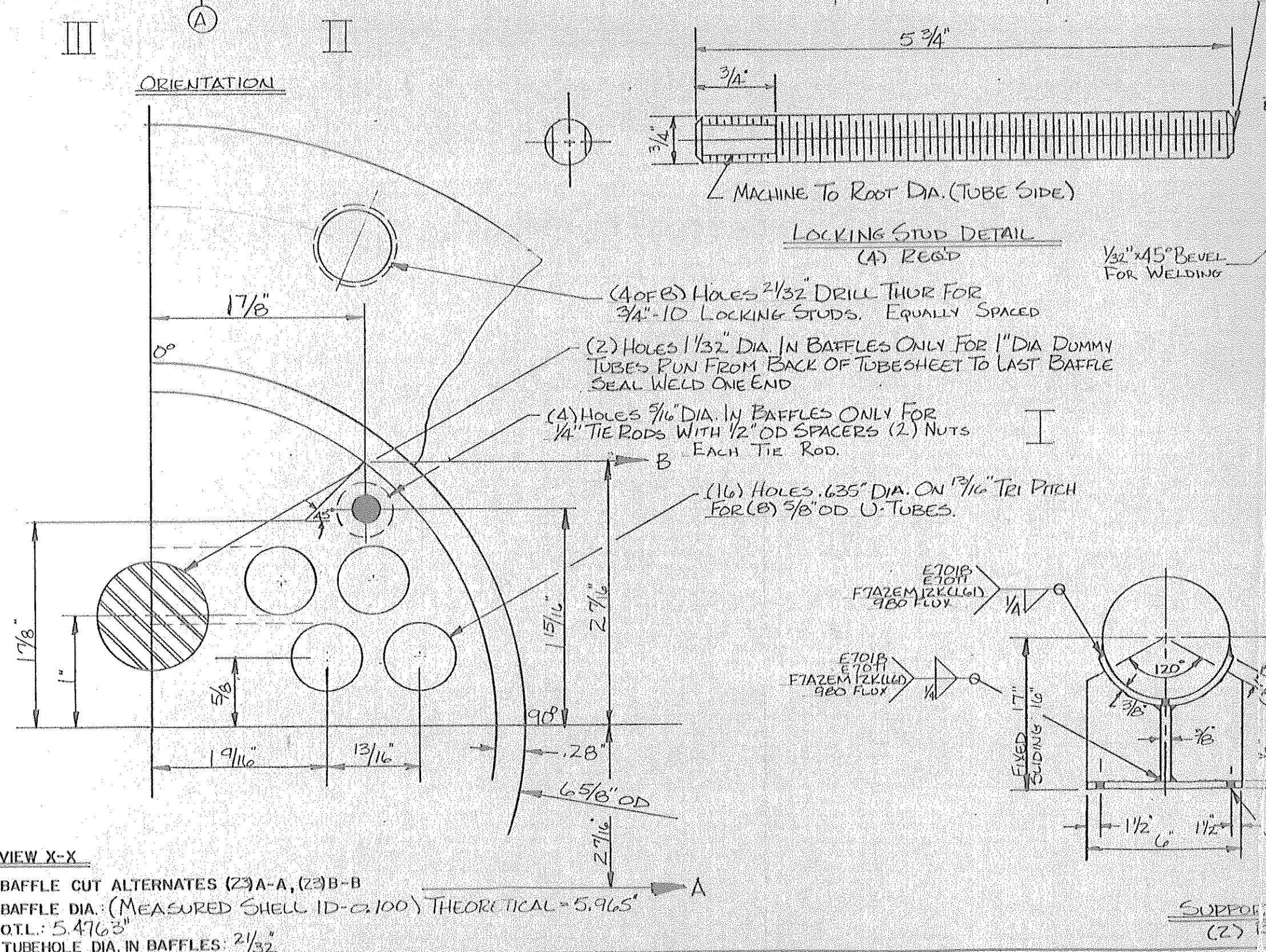
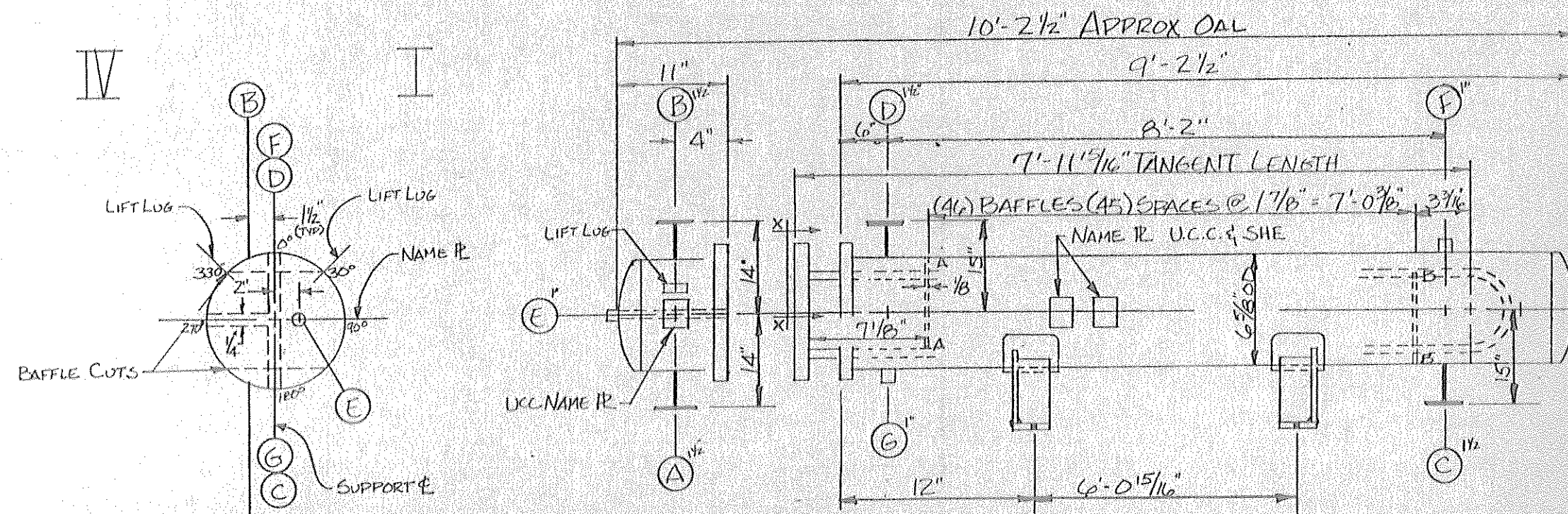
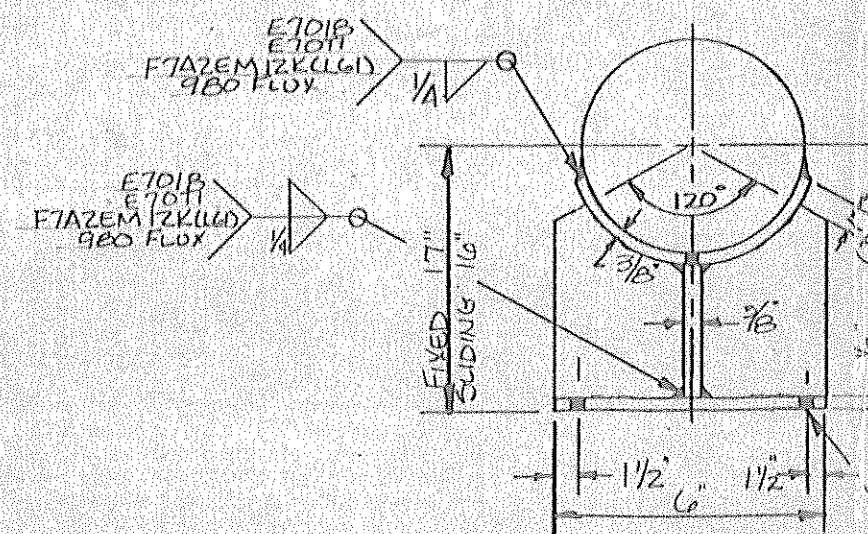




316
C. STL



(2) 1" DIA HOLES IN FIXED SUPPORT
(2) 1" x 2" CLOTS IN GUIDING SUPPORT

ANSI NOZZLE SCHEDULE

MARK	SIZE	RATE	FACE	NOZZLE NECK	SERVICE
A	1 1/2"	150#	TS	SCH 80	
B	1 1/2"	150#	TS	SCH 80	
E	1"	3000#	THD	FULL CHG FLANGED	VENT
C	1 1/2"	150#	SHELL	SCH 80	
D	1 1/2"	150#	REIN	SCH 80	
F	1"	3000#	THD	FULL CHG FLANGED	VENT
G	1"				DRAIN

NON-PRESSURE PARTS

SUPPORTS / PADS	SA-36
BAFFLES / SUPPORTS	SA-240 TP 316
TIE RODS / SPACERS	316
PASS PARTITIONS	SA-240 TP 316
DUMMY TUBES	SA-249 TP 316
LIFT LOGS	SA-240 TP 304

NOTES

- EST. WT. EMPTY: 700# FULL: 850# BDL: 200#
- ALL BOLT HOLES STRADDLE NORMAL CENTER LINES.
- PLYWOOD COVERS ON ALL OPEN NOZZLES.
- 1/2" MAIN GASKET SURFACES.
- PAINT: SEE SHEET 2 FOR NOTES

ASME CODE REQUIREMENTS

DESIGN PRESSURE	PSIG	SHELL SIDE	TUBE SIDE
DESIGN TEMPERATURE	*F	75	78
HYDRO. TEST PRESSURE	PSIG	350	410
CORROSION ALLOWANCE		1/8"	1/8"
POSTWELD HEAT TREATMENT		NONE	NONE
RADIOGRAPHIC EXAMINATION		SPOT	SPOT
ASME CODE STAMP/NAT'L. BD. REG.	1/3	RE'D	RE'D
CUSTOMER INSPECTION	1/3	RE'D	RE'D
SPECIFICATIONS: 1980 ASME CODE SECT. VIII DIV. 1		SUMMER 82	SPECIAL
SERVICE: NONE		CASE: NONE	PARTIAL DATA REPORTS: NONE
COPY-11, EQ. 15A, PCM 200, 201, 234			

NAME PLATE

NAT'L. BD. NO.	LATER
YEAR	1983
SHELL	
MADP	75 PSI
MADT	350 F
TUBE	
MADP	78 PSI
MADT	410 F
SHE ORDER NO.	82-101
CUST. ORDER NO.	511-899407-1
CUST. ITEM NO.	PB02-E-3720

TUBES: SA-249 TP 316L (WELDED)
WALL: AVG.
1 1/2" NO. 8 O.D. 5/8" DWG. 16 L'GTH 8'-0" TAN. LATH
TUBESHEETS: SA-240 TP 316

PART	SHELL SIDE	TUBE SIDE
VESSEL	SA-536RB SMLS	SA-312 TP 316
COVERS		
FORMED HEADS	SA-106 GRB (SA-234 WPS)	SA-312 TP 316 (SA-403 WPS)
BODY FLANGES	SA-105	SA-105
NOZZLE FLANGES	SA-105	SA-105
NOZZLE PIPE	SA-106 GRB	SA-312 TP 316
STUDS/NUTS	SA-193-B7/SA-194-2H	SA-193-B7/SA-194-2H
GASKETS	1/16" THK. COMP. A-8	1/16" THK. COMP. A-8
COUPLINGS	SA-105	SA-182 F 316
PACKING		
FLOATING BARREL		
FLOATING HD COVER		
WPS P1-P1	W-42 (SMAW), W-72 (FAW), W-109 (SAW)	
WPS P1-P2	W-7 (SMAW), W-112 (FAW)	
WPS P2-P2	W-3 (SMAW), W-81 (FAW), W-90 (SAW)	

REVISIONS

10/15/82	GRV. REV.	
CERTIFIED	ENG. J.C. 9/1/82	O.C. J.W. 9/20/82
CUSTOMER	UNION CARBIDE CORPORATION	
CUST. P.O. NO.	511-899407-1	
ITEM NO.	PB02-E-3720	PROJ. NO.
PLANT	INSTITUTE, W.V.	

(16'-9 1/2" BEV SIDESTREAM COOLER
SOUTHERN HEAT EXCHANGER CORP.

P.O. BOX 5906 TUSCALOOSA, AL. 35405

DATE 9-2-82	ORDER NO	DWG. NO SM-1920-1
BY A.WEST	82-101	SHEET 1 OF 2