REF. S.O. 5-A-5242 DRAWING LIST "W" Type

	Assembly (Long. section thru Turb.)	91-J-234	Ref.		APW	12-10
9	Bearing - Turb. - assy. & bill (inlet end) (8 x 8)	23-E-844	1	Gr. 2 (14½ NOM. SPHER. KEYS)	P.L.D.	3/25/
	~~Supply by Machining Alteration (Vibrometer)~~	~~11-G-532~~	1	Gr. ~~xxx~~ 6 (RH, NEAR SIDE, 45°)	P.L.D.	3/25/4
9	Bearing - Turb. - assy. & bill (Exh. end) (9 x 9)	23-E-955	1	Gr. 1 (16 IN. NOM. SPHER. KEYS)	P.L.D.	3/25/4
	~~SUPP. BY VIBROMETER SLOT~~	~~11-G-286~~	1	~~GR. 2 (L.H. END, TOP ℄)~~	P.L.D.	3/25/4
9	Bearing - Generator (I.B. end) (9 x 9) # 3 (O.B. end) (9 x 9) # 4		-	Furnished by E. Pgh. & shipped with Generator	JK	3/19/48
9	Bearing - Thrust - Assy. & bill dia. 6 area on coupl. side 72 dia. 6 " gov. side 72 Single - double collar adjustable - yes - no	21-E-451	1	Gr. 1	JK	3/19/48
9	Bearing - Thrust - Adjusting Mechanism Assy. & Bill	29-F-473 ~~16-E-397~~	1	Gr. ~~4~~ 2	P.L.D. ~~JK~~	7/1/4 ~~3/19/48~~
9	Bearing oil ring ~~xxxxxxxxxx~~ (inlet end) ~~xxxxxxxxxx~~	----------	xxx	xxxx Integral with Gland	JK	3/19/48
9	Bearing oil ring det. & assy. (exh. end) inner 10-1/2 in.	27-F-221	1	Gr. 1	DK	9/7/4
9	Bearing oil ring det. & assy. (exh. end) outer 9 " dia.	27-F-217	1	Gr. 1	D.K.	9/7/4
9	Bearing oil ring Gen. O.B. ~~xxx~~ inner Gen. O.B. ~~xxx~~ outer		-	Furnished by E. Pgh. & shipped with Generator	JK	3/19/48

PLAINTIFF'S EXHIBIT WH-934

PROJECT F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED AND DATE

DESIGN SPEC. 5-A-5958 SUB LETTER SUB LETTER SUB LETTER SUB LETTER

16 PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000245

DRAWING LIST "W" Type

5-A-5242

IND.	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	QA "W" NO. REMARKS	SHIPPED	DI
	Blading - Curtis - det & assy (1st stage) (9/16 '34 9/16 N.D.)	31-F-151	1	Gr. 1	B.N.	8/2
13	Blading - Curtis-Baffle det. & bill (1st stage)	———	1	Gr. NOT REQ'D		
13	Blading - Curtis-Stat. Bld. distr. chart & bill (1st stg.)	18-G-766	1	Gr. 1	B.N.	8/25
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

DRAWING LIST

5-A-5242

	Blading-Reaction-Assy. & Bill (Part 1)	90-J-673	1	GR.1	M.S.	8/24/4
17	Blading-Reaction-Assy. & Bill (Part 2)	90-J-674	1	GR.1	M.S.	8/24/48
17	Blading-Reaction-Assy & Bill (Part 3)	90-J-675	1	GR.1	M.S.	8/24/48
	~~Blading-Reaction-Assy & Bill (Part 4)~~		~~xxxx~~			
	Blading Group Assy & Mach. Alteration (L.P.)	10-E-367	1	GR.2 & GR.4	M.S.	11/8/48
17	Blading-shroud & seal strip machining	91-J-29	Ref.		[illegible]	11-10-48
28	Bolt Heater & bolt stretch measuring device bill	21-H-953	1	Gr.1	J.A.P.	9-9-48
28	Coupling - Assy & bill (9-1/2")	26-F-294	1	Gr.2 Separate ~~xxxxxxxxxxxxxxxxxxxx~~	D.K.	8/4/48
	~~Coupling Cover~~	~~xxxxxxxxxxxxxxxxxxxx~~		~~xxxxxxxxxxxxxxxxxxxx~~		
28	Coupling Guard Assy. & Bill	31-F-380	1	Gr.1	J.P.	8-25-48

FRAME F-286 Turbine

PURCHA[illegible] City of Austin, Texas

[illegible]CKE[illegible] AND DATE						
[illegible] & [illegible]N SP[illegible] D 5-A-5958	SUBLETTER A	[illegible]ETTER	SUBLETTER	SUBLETTER	SUBLETTER

16 PAGES PAGE 3

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000247

REF. S.O. 5-A-5242 DRAWING LIST "W" Type

	TITLE OF DRAWING	DRAWING NO.	NO.	GR. AND REMARKS	CHECKED BY	DATE
29	Cyl. Base det. & bill (inlet end)	90-J-382	1	Gr. 1	D.K.	8/4/4
29	Cyl. cover det. & bill (inlet end)	90-J-383	1	Gr. X2	D.K CWC	8/4/4 11-4-4
29	Cyl. base det. & bill (exh. end)	90-J-384	1	Gr. 1	MJL	8/27/4
29	Cyl. cover det. & bill (exh. end)	90-J-385	1	Gr. 2	D.K	8/4/4
29	Cyl. Horizontal Joint Relief	28-E-248	1	GR. 1 & 2	J.P.	9/2/4
	Cyl. Horiz. Joint Relief	28E248		GR 1 + 2		
29	Cylinder blade ring det. (#1)	27-E-651	1	Gr. 1	D.K.	7/9/4
	Cylinder blade ring det. (#2)	27-E-652	1	Gr. 1	D.K	7/9/4
29	Cylinder Blade ring det. (#3)	27-E-653	1	Gr. 1	D.K	7/9/4
29	Cylinder blade ring det. (#4)	27-E-654	1	Gr. 1	D.K	7/9/4
29	Cylinder Blade ring det. (#5)	27-E-655	1	Gr. 1	D.K.	7/9/48
	Cylinder Blade ring (#6)	---	-	Integral with Cyl.	JK	3/19/48

FRAME: F-286 Turbine

PURCHASER: City of Austin, Texas

CHECKED AND DATE

DESIGN SPEC. 5-A-5958 LETTER A SUB. LETTER ___ SUB. LETTER ___ SUB. LETTER ___ SUB. LETTER ___

16 PAGES PAGE 1

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000248

REF. S.O. 5-A-5242

DRAWING LIST

"W" Type

	TITLE OF DRAWING OR STYLE	D.W.G. OR STYLE	MULT.	GR. # AND REMARKS	CHECKED BY	DATE
29	Cylinder D/A Ring det. & bill	27-E-656	1	Gr. 1 ~~[illegible]~~ Separate	D.K	7/9/48
	H.P. 26 "M.D. - Throttlings	24 Axial		12 Radial		
	L.P. 34 "M.D. - Throttlings	24 Axial		11 Radial		
	INNER GLAND RING	23-E-689	1	GR-1	D.K.	11/3/48
29	Cylinder Grooving	—	~~Ref.~~	ON ~~I.P.~~ CYL. COVER. (EXH. END)	D.K	8/26/48
	~~Cylinder Insulation [illegible]~~			~~Included on lagging [illegible]~~	JK	3/29/48
29	Cylinder support attachment det. & assy. (inlet end)	14-E-430	1	Gr. 1	D.K.	9/9/48
	~~[illegible]~~		~~[illegible]~~			
	~~[illegible]~~		~~[illegible]~~			
29	Cylinder support det. & assy. (exh. end)		1	Gr. ~~[illegible]~~ Separate		
29a	leakoff piping ~~D/A~~ (H.P.) (4"-300#)	—	~~1~~	Gr. ON H.P CYL BASE	DK	9/20/48
29a	leakoff piping D/A (L.P.) (12"-150#)	28-E-254	1	Gr. 1	APW	9-3-48
	~~[illegible]~~		~~[illegible]~~			

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED AND DATE					
DESIGN SPEC. D 5-A-5958	SUBLETTER A	SUBLETTER	SUBLETTER	SUBLETTER	SUBLETTER

16 PAGES PAGE 5

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000249

5-A-5242 "W" Type

	TITLE OF DRAWING OR DATA	DRAWING	ULT	GR AND REMARKS	CHECKED BY	DATE
	Foundation Bolt E/M	22-H-659	1	Gr. 1	C.F.J.	6/16/4
31	Foundn. Leveling Plates A/B	31-F-565	1	Gr. 1	J.P.	10-1-4
31	Foundn. Heating Cover Plates Assy & Bill	28-E-375	1	Gr. 1	D.K	10/6/4
33	Gauge Board Outline	31-F-126	Ref.		H.U.	4/7/49
33	Gauges Board & Piping A/B	31-E-778	1	Gr. 1	J.L.	10/22/4
	The following Gauges & Instruments are mounted on Gauge board - furnished by W. Y. Corp - [redacted]					
33	(Throttle)	10-H-61	1	Item # 78		
33	(Primary Inlet)		1	" # 78		
33	(First Stage)		1	" # 75		
33	(Exhaust)		1	" # 42		
	(Bearing Oil)		1	" # 4		
33	(Main Oil Pump Suction)		1	" # 7	JK	2-18-49
33	(Main Oil Pump Discharge)		1	" # 16		
33	(Governor Impeller Discharge)		1	" # 7		
33	(Governing Control)		1	" # 7		
33	(Auxiliary Oil Pump Discharge)		1	" # 13		
33	(Load Limit Control)		1	" # 7		
33	(Gland Water)		1	" # 4		
33	(Gland Steam Seal)	10-H-61	1	" # 7		

FRAME F-286 Turbine

PURCHASE City of Austin, Texas

CHECKED AND DATE

DESIGN SPEC. 5-A-5958 SUBLETTER A SUBLETTER SUBLETTER SUBLETTER SUBLETTER

16 PAGES PAGE 6.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000250

RE[illegible] S.O. 5-A-5242 DRAWING LIST "W" Type

INDEX	TITLE OF DRAWING OR [illegible]	DVG. OR SPEC.	[illegible]	GR. AND REMARKS	CHECKED BY	DATE
	~~[illegible]~~					
~~[illegible]~~	~~[illegible]~~		~~[illegible]~~			
~~[illegible]~~	~~[illegible]~~		~~[illegible]~~			
~~[illegible]~~	~~[illegible]~~		~~[illegible]~~			
	~~[illegible]~~					
~~55~~	~~(No. 2 Extraction Regulator)~~		~~[illegible]~~			
	~~[illegible]~~					
~~[illegible]~~	~~(No. 1 Extraction Regulator)~~		~~[illegible]~~			
	~~(Extraction Control)~~					
~~[illegible]~~	~~(No. 2 Extraction Regulator)~~		~~[illegible]~~			
	~~(Extraction Control)~~					
~~[illegible]~~	~~[illegible]~~					
	Electric Tachometer		-			
	Electric Tach. Speed Indicator			Furnished by E. Pgh. & Shipped with Generator	JK 3/19/48	
	~~Electric Tach. Speed Recorder~~					
	Calibration Rheostat					

FRAME F-286 Turbine

PURCHASE [illegible] City of Austin, Texas

CK[illegible] AND DATE					
[illegible] SPEC. D 5-A-5958	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

16 PAGES PAGE ~~xxxx~~ 7.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000251

(Type "T" Gov.)

5-A-5242 DRAWING LIST "W" Type

INDEX	TITLE OF DRAWING STYLE	DWG. OR STYLE	MULT.	GR. AND REMARKS	CHECKED	DAT
	Impeller & Overspeed Trip A/B	20-E-751	1	Gr. 1 Set to trip at 3996 R.P.M. (11 % overspeed)	JK	3/19/48
	Gov. & Speed changer Assy. & B. (Transformer type) 11" dia.	20-J-586	1	Gr. 1	JK	3/19/48
34	Spring - Item 83 order to	11-H-172	-	~~Item~~ assemble in hole # 4 (scale 155 #)	JK	3/19/48
34	Piston stop - item 94 order to	9-H-557	-	Item 12 (stroke used 4-1/4")	JK	3/19/48
34	Cup valve - item 96 order to	13-E-200	-	Gr. 1 (Transformed ratio 5 to 1)	JK	3/19/48
	~~[illegible]~~			~~[illegible]~~		
34	Gov. speed changer item 100 order to	19-E-77	-	Gr. 2 motor item 16 is to be wound For 125 volts D.C. ~~[illegible]~~ split field ~~[illegible]~~	JK	3/19/48
34	Relay Piston-item 99 order to	15-F-767	-	Gr. 3	JK	3/19/48
	~~[illegible]~~			~~[illegible]~~		
	~~[illegible]~~			~~[illegible]~~		
34	Gov. Speed Ch. Wiring Diagram	---	Ref	Included on Unit Wiring Diagram	JK	3/19/48

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED AND DATE

DESIGN SP. 5-A-5958 SUB LETTER A SUB LETTER SUB LETTER SUB LETTER SUB LETTER

16 PAGES PAGE 8.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000252

S.O. 5-A-5242 DRAWING LIST "W" Type

INDEX	TITLE OF DRAWING	DWG. NO.	ULT.	GROUP NO. REMARKS	CHECKED	DA
	~~[illegible]~~		~~[illegible]~~			
	~~[illegible]~~		~~[illegible]~~			
	~~[illegible]~~		~~[illegible]~~			
39	Lagging- Turb. & Insulation Det. & Assy.	91-J-218	1	Gr. 2 For plate stamping See S.O. Reading	J.P.	12-6-
37	Lagging- Ped.-Thrust - Det. & Assy.	20-E-872	1	Gr. 17	J.P.	11/15/
	~~[illegible]~~		~~[illegible]~~			
	Load limit Valve Assy. & Bill	13-E-463	1	Gr. 3	JK 3/19/48	
41	Nozzle Block & Welding Assy & Bill (1st Stn.) (9/16 in. x 34-9/16 md)	27-E-859	1	Gr. 1	B.N.	8/11/4
41	~~[illegible]~~		~~[illegible]~~			
	~~[illegible]~~		~~[illegible]~~			
41	Oil Cooler - outline Mfr. Westinghouse 450 sq.ft. to cool 160 G.P.M. of 150 SS oil, at 100 °F from 150 °F. to 120 °F. with 320 G.P.M. of water at 95 °F Max. oil press. drop: 15# Max. water press. drop: 2#		2	Supplied by Cond. Dept. on S.O. 5-A-5959	JK 3/19/48	

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE

DESIGN SPEC. D 5-A-5958 SUB LETTER A SUB LETTER ___ SUB LETTER ___ SUB LETTER ___ SUB LETTER ___

16 PAGES PAGE ~~xxx~~ 9.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000253

RE S.O. 5-A-5242

DRAWING LIST

"W" Type

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT	GR. AND REMARKS	CHECKED BY	DATE
	Oil Cleaning Piping Assy. (& B [illegible] (Temporary)	31-F-589	1	Gr. 3 short 1 Print	C.L.C.	9-16-49
43	Oil Cooler Tandem Oper. 3-way Valve (size)	---	-	Order on oil piping	JK 3/19/48	
43	Oil Cooler Oil Piping	---		Included on Oil Piping	JK 3/19/48	
	PIPING ASSY (VARIABLE FEAT.)					
43	Oil, (PLAN)	92-J-648	Ref.	(short 1 Print)	E.R.S.	9-29-49
43	OIL PIPING ASSY (VARIABLE FEAT.) (ELEV)	92-J-649	REF.		E.R.S.	9-29-49
	PIPING (VARIABLE FEAT.) BILL					
43	Oil,	29-H-75	1	Gr. 1	E.R.S.	9-29-49
43	THROTTLE VAL. OIL PIPING DET. A/B.	31-E-269	1	GR. 1	E.R.S.	9-29-49
43	STEAM, DRAIN & GLAND PIPING A/B	93-J-355	1	GR. 1	E.R.S.	10-14-49
44	Oil ejector Assy & Bill Size 4 in. Throat 1-3/4 dia., nozzle 3/4 in. dia.	18-E-212	1	Gr. 3 & item 14 of Gr. 6 (Inside of Oil Res.)	JK 3/19/48	
43						
43	Oil system & control diagram	91-J-869	Ref.		a.w.	3-18-49

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

SPEC AND DATE	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER
SPEC D 5-A-5958 (A)	A				

16 PAGES PAGE 10.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

RE[illegible] 5-A-5242 DRAWING LIST "W" (Type)

INDEX	TITLE OF DRAWING	STYLE	MAT. OF STYLE	MUST	REMARKS	CHECKED BY	DATE
	Oil Pump (aux.) assy. (steam driven)		18-J-343	Rg	Assembly [illegible] Per assy. #1 - CAP-11-1-49 see also [illegible] outline Res.		
5	Oil pump (aux.) Bill (steam driven) std. press oper. press. 850 #/in.² temp. 900 °F		18-J-343	1	Gr. 6 [illegible]	JK	3/19/48
~~5~~	~~Oil Pump (aux.) [illegible]~~			~~xxxxx~~			
~~5~~	~~Oil Pump (aux.) Blade [illegible]~~			~~xxxxx~~			
~~3~~	~~Oil Pump (aux.) [illegible]~~			~~xxxxx~~			
5	Oil pump (aux.) nozzle detail		11-H-376	1	Gr. 4 [illegible]	JK	3/19/48
6	Oil pump (aux.) assy & B. (motor) (driven) (for spd. turning gear) (150 GPM - 18#) (5 HP)		24-E-17	1	Pt. 3 & Item 28 & 4 of Gr. 1 (Omit Items 27 & 26) Assy #2 CAP-11-1-49	JK	3/19/48 9-30-49
	Oil Pump (aux.) motor (5 HP) (for spd. turning gear)		———	xxx	Item 28 of dwg. 24-E-17 [illegible] for 220/440 volts A[illegible] 3 Phase 60 Cycles For Central Sta. use.	J.D.	11/6/47
6	Oil pump (aux.) motor mercoid switch		12-H-916			JK	3/19/48
6	Mercoid switch wiring (pressure diagram) (switch inter)		-----		Included on Unit Wiring Diagr.	JK	3/19/48
7	Oil pump (aux.) regulator & by-pass piping det. & assy. (1" body 3/4" valve [illegible]) (850 Psig 900 °F [illegible])		17-E-92		Gr. 4	JK	3/19/48
~~7~~	~~Oil Pump (aux.) [illegible]~~			~~xxxxx~~			
5	Oil pump (main) assy. & Bill 350 G.P.M. at 125 #/in.²		20-E-895	1	Gr. 2 [illegible] Impeller	JK	3/19/48

FRAME F-286 Turbine

PURCHASE City of Austin, Texas

CHECKED AND DATE

[illegible] SPEC 5-A-5958	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

16 PAGES PAGE 11.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000255

5-A-5242

PARTS LIST "F" Type

					CR'D REMARKS	CHECKED	DATE
			79-J-127	1	Gr. 1	[illegible]	4-2-4[illegible]
			19-G-918	1	Gr 1	FNW	8-2[illegible]
		Reservoir Outline	~~26-E-651~~ 26-E-651	Ref.		CAP	~~JK 3/19/48~~ 2-3-4[illegible]
93		Oil Vapor Extractor	27-F-414	1	Gr 1 Wound for 220/440 V.A.C. 1-Ø 25 ~ Motor For Central Sta. Use.	J.D.	11/6/4[illegible]
		Painting & Finish specification	[illegible]		Leaved on S.C. reading	JK	3/19/48
		~~Pedestal Thrust Bearing~~ Generator seating plates	[illegible]		Furnished by I.Pgh. & shipped with Gen.	JK	3/19/48
		~~Pedestal Thrust Bearing~~	[illegible]		[illegible]		
		~~Pedestal Thrust Bearing~~	[illegible]		[illegible]		
64		Pedestal - Thrust - Assy.	52-J-823	Ref.	Gr.6 25-1/4 foot height	R.L.	1/20/4[illegible]
		PED. THRUST. ALT. & BUSH. A/B	19-J-244		19-G-968-GR-1 (FOR SHIPPING ASSD	D.K	10/24/[illegible]
		Pedestal - Thrust - Ped. Ref. & B	~~2-J-749~~	1	Gr. 4	R.L. JK	11/21/4[illegible] 3/19/48
		MICROMETER PICKUP ADAPTER	12-Q-683	1	GR.6 (FOR VIB "A" = 8¾ "C" = 0°)	R.L.	3/[illegible]
65		Pedestal - Thrust - Ped. Cover Det. & Bill	39-J-113	1	Gr. 2	JK	3/19/48
65		Ped. - Thrust Ped. Cover Alteration	20-F-895	1	Gr. 1	JK	3/19/48
65		Pedestal - Thrust - Ped. Base Det. Bill	11-E-973	1	Gr. 2	JK	3/19/48
65		Pedestal - Thrust - Casing	~~32-F-42~~ ~~28-E-848~~ 32-F-43	1	Gr. 3	~~R.L.~~ ~~JK~~ d.c.	~~3/5/4~~ ~~3/19/48~~ 6/12/4[illegible] 10-4-[illegible]
65		Pedestal - Thrust - Various assy. & bill (With Low Oil Press. Trip, ~~Vacuum Trip~~ and Solenoid Trip. ~~Trip~~)	28-J-702	1	Gr. 1 Solenoid to operate on 125 V.D.C.	CWC	JK 3/19/48
65		Pedestal - Thrust - Thrust Collar Assy. & bill	11-F-254	1	Gr. 5	JK	3/19/48
		~~Pedestal~~	~~[illegible]~~		~~[illegible]~~		

PRIME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE

S.O. NO. 5-A-5958

DESIGN SPEC. D

SUB LETTER | SUB LETTER | SUB LETTER | SUB LETTER

16 PAGES SHEET NO. 12.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REPORT NO. 5-A-5242 DRAWING LIST "W" Type

INDEX	TITLE OF DRAWING OR ITEM	DWG. OR ITEM	QUAT.	GROUP ID REMARKS	CHECKED BY	DATE
~~50~~	~~Spare Parts Bill~~		~~xxxxxx~~			
	SHIPPING & LIFTING ARR'T A/B	93-J-365	1	GR. 1	J.P.	10/10/
52	Spindle details & assy.	90-J-863	1	Gr. 1	D.K	9/1/4
52	Spindle forging (ctl. 5669)	30-F-981	1	Gr. 1 Item 1 } Specified on Spindle Det. & Assy.	APW	6-23-
~~52~~	~~Spindle Disc Forging~~			~~xxxxx~~		
52	Spindle Clearances	28-E-613 ~~28-E-209~~	Ref.	[illegible] 11-17-48	~~[illegible]~~	~~[illegible]~~
59	Spindle Dummy Micrometer Assy & Bill	~~49-J-387~~ 91-J-56	1	Gr. ~~3~~ 4	~~D.K.~~ [illegible]	10/6/4 3-14-4
59	Spindle End Travel Gauge Assy & Bill	19-F-264	1	Gr. 5	D.K	10/6/4
54	Spindle Gland Assy. & B. (inlet) (end)	90-J-177	1	Gr. 1 Runner clearance each side 1/4	F.A.R.	4/22/4
54	Spindle Gland Assy & B. (inlet) (end)	52-J-260	1	Gr. 2 Runner Clearance each side 1/4	F.A.R.	4/22/48
~~55~~	~~Spindle gland drip pan det. & assy.~~		~~xxxxx~~			
~~55~~	~~Spindle gland drip pan det. & assy.~~		~~xxxxx~~			
58	Spindle Guides det. & assy.	28-E-304	1	Gr. 1	J.A.P.	9-22-48

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE

SPEC. D 5-A-5958 SUBLETTER A SUBLETTER SUBLETTER SUBLETTER SUBLETTER

16 PAGES PAGE 13.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000257

DRAWING LIST "W" Type

5-A-5242

	TITLE OF DRAWING OR	DRAWING NUMBER	MULT	GR. AND REMARKS	BY	DATE
	Spindle lifting gear Assy. & bill	31-F-5[illegible]	1	Gr. 1	A.Weyni	9-20-4
59	Spindle truth indicator det & assy.	11-F-801	1	Gr. 2	JK	3/19/48
53	Spindle turning gear Assy. & bill	17-J-491	1	Gr. 5 3-H.P. motor Item 113 to be wound for 220/440 volts A.C. For Central Sta. Use		
53	Spindle turning gear motor mercoid switch			Specified on spindle turning gear	JK	3/19/48
60	Steam Chest cover & linkage Assy. (gov. stage)	90-J-878	Ref.	8 dia. 7 valve 900	APW	9-30-4
	Steam Chest Manifold	631J400		GR 1		11/5/58
60	Steam chest cover & linkage Bill (gov. stage)	90-J-878	1	Gr. 1	D.K.	8/27/4
	#1 Valve Plug	361B660		GR 1		10/31/58
60	Steam chest valve Assy & bill (gov. stage)	31-F-152	1	Gr. 1	D.K	8/4/48
61	Steam inlet piping			None required	JK	3/19/48
62	Steam strainer	---	-	Integral with throttle	JK	3/19/48
	STEAM INLET NOZZLE	100J737		Item 39 (Item 20 on 631J211)		
	STEAM INLET ORIFICE	35E100		Item 16 (Item 16) (Item 3F on 631J211		
	Supervisory Electrical Instrument Bill		1	Gr. None Ordered by Order Service	JK	3/19/48
	Supplement to Cyl. Base Heat Baffle Dwg 631J211					

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

KEY AND DATE					
DESIGN SPEC'D 5-A-5958	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

16 PAGES PAGE [illegible] 14.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

5-A-5248

	Tachometer [redacted] (Electr.)	---	[redacted] Included with Gen.	JK 3/19/48
33	Thermometers [redacted]	---	Furnished by Customer	JK 3/19/48

[redacted]

[redacted]	Trip valve (manual)	11-E-550	1	2"	JK 3/19/48

FRAME F-286 Turbine

PURCHASED City of Austin, Texas

DESIGNATED 5-A-5958 SUFFIX A

16 PAGES [redacted] 15.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

5-A-5242 DRAWING LIST "W" Type

ITEM	TITLE OF DRAWING OR SPECIFICATION	DWG. OR SPEC. NO.	MULT	REMARKS	[illegible]	[illegible]
[illegible]	Turbine Outline	79-J-572	Ref		C.F.B.	3-19-
[illegible]	Turbine outline-Supplement (Electrical Conn. ~~xxxxxxxx~~	91-J-609	Ref		H.U.	12/30/
[illegible]	~~xxxxxxxx~~ Elec. Conns B/M	22-H-153	1	GR. 2	J.K.	4-2-
[illegible]	Turbine outline - supplement (purch. pipe conn.)	~~29-E-3~~ 29-E-704	Ref		~~J.K.~~ C.A.E.	~~4-2~~ 6-22
96	Unit wiring diagram (Turbine Equipment)	28-E-817	Ref		H.U.	12/30/4
96	Unit wiring diagram (Generator Equipment)	---	Ref	Furnished by E. Pgh.	JK	3/19/48
3	Valve - throttle-Assy & Bill (8" 900 #) inverted ~~xxxxxxxx~~	26-E-885	1	Gr. ~~4~~ #~~8~~ 4 Assemble to suit ~~xxxxxxxx~~ Opp. from steam acts. Per assy. See also turbine outline	M.M.N.	11-28- ~~3-25-~~
	~~VALVE THROTTLE - BODY ALT (MACHINING FOR SHOP TEST)~~		~~1~~	~~Gr.~~		
	~~xxxxxxxx~~		~~1~~	~~Gr.~~		
3	Valve - throttle-servo-motor - Assy & Bill (8")	20-E-43	1	Gr. 4 Assembly "K" Order Item 58 to Dwg. 3-H-888 Item 1 " " 43 15-F-651	JK	3/19/48
	~~xxxxxxxx~~		~~1~~	~~Gr.~~		
3	~~xxxxxxxx~~		~~1~~	~~Gr.~~		
	~~xxxxxxxx~~					
60	Wrench - & Tool B/M	19-G-107	1	Gr. 1	APN	11-17-48

FRAME F-286 Turbine

PURCHASER City of Austin, Texas

CHECKED AND DATE					
DWG. SPEC. NO. 5-A-5958	SUB LETTER A	SUB LETTER ___	SUB LETTER ___	SUB LETTER ___	SUB LETTER ___

16 PAGES PAGE ~~xxxxx~~ 16.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000260

10-A-2449

P.O.F.:- S.O. 5-A-5958 & 8320

DRAWING LIST

Central Station

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.[M] AND REMARKS	CHECKED BY	DA
38	Assembly(Long.Sect.Thru Turb.)	~~91-J-334~~ 97-J-282	Ref		~~JK 5-12-~~ JmA	6/4/
19	Bearing-Turb. - Assy. & Bill (Inlet End)(8 " x 8 ") #1	28-E-504	1	Gr. 1	JK 5-12-	
1	~~Drawing Turbine #1 Pedestal~~ Support & Adjustment Mechanism	---	~~1~~	~~Gr~~		
~~2~~	~~Dwg. Turbine #1 Pedestal~~ Pedestal Casting Set & Bill (Complete Casting Set for #1 Pedestal)	---	~~1~~	~~Gr~~		
19	Bearing-Turb. - Assy. & Bill (Exh. End)(9 " x 9 ")#2	28-E-506	1	Gr. 1	JK 5-12-5	
9	Bearing - Generator			)		
	I.B.End)(9 " x 9 ") # 3	-	-	) Furnished by E.Pgh. &	JK 5-12-5	
	O.B.End)(9 " x 9 ") # 4	-	-	) shipped with Generator		
9	Bearing Oil Ring Det. & Assy. (Inlet end) dia.	---	-	Integral with Spindle Gland	JK 5-12-5	
19	Bearing Oil Ring Det. & Assy. (Exh. End) Inner 10-1/2 " dia.	27-F-221	1	Gr.2	JK 5-12-5	
19	Bearing Oil Ring Det. & Assy. (Exh. End) Outer 9 " dia.	27-F-217	1	Gr.2	JK 5-12-5	
9	Bearing Oil Rings	-	-	)Furnished by E. Pgh.	JK 5-12-5	
	Generator (I.B. End)	-	-	)& shipped with		
	Generator (O.B. End)	-	-	)Generator		
64	Bearing-Thrust - Assy. & Bill Dia. area on coupl.side 72 in^2 Dia. area on gov. side in^2 ~~Kingsbury~~ double collar Adjustable yes - ~~no~~	29-E-277	1	Gr.1	JK 5-12-5	

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF:- S.O.

DRAWING LIST

IND	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.[M] AND REMARKS	CHECKED BY	DATE
64	Bearing-Thrust-Adjusting Mechanism Assy. & Bill (Close - Extended Wheel)	29-E-473	1	Gr. 3	JK	5-12-5
~~64~~	~~Bearing-Thrust-Adjusting~~	---	~~1~~	~~Gr.~~		
~~64~~	~~Brg.-Thrust-Locating~~	---	-	~~Separate Dwg. Included on Brg. Dwg.~~		
13	Blading-Curtis Det. & Assy. (1st.Stage) ~~(9/16"-34-9/16" M.D.)~~ (11/16"-34 11/16" M.D.)	~~31-F-151~~ 42-F-190	1	~~Gr.-1~~ GR. 1	~~JK~~ 4mw	~~5-12-5~~ 4/10/53
13	Blading-Curtis-Baffle Det. & Bill (1st. Stage)	---	~~1~~	Included on Stat. Bl. Distrib. Chart & B/M	JK	5-12-5.
13	Blading-Curtis-Stat. Bld. Distr. Chart & Bill (1st. Stage)	~~18-G-766~~ 24-G-15	1	~~Gr.-1~~ GR. 1	~~JK~~ 4mw	~~5-12-5~~ 3/19/53
~~13~~	~~Blading-Curtis-Stat. Bld. Distr. Chart & Bill (2nd Stage)~~	---	~~1~~	~~Gr.~~		
~~13~~	~~Blading-Curtis-Baffle Det. & Bill (2nd Stage)~~	---	~~1~~	~~Gr.~~		
~~13~~	~~Blading-Curtis-Stat. Bld. Distr. Chart & Bill (2nd Stage)~~	---	~~1~~	~~Gr.~~		
~~13~~	~~Blading-Curtis Det. & Assy. (2nd Stage)~~	---	~~1~~	~~Gr.~~		

NAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES PAGE 2.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF:- S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.[M] AND REMARKS	CHECKED BY	DA
	Coupling-Assy. & Bill (9-1/2")	26-F-294	1	Gr.2 Separate Gen. Coupl. Head Item 9 & 8 Keys of Items 4 to be shipped to E.Pgh.for pressing on Gen. Shaft.	JK	5-12-
	Coupling Guard Assy. & Bill	31-F-380	1	Gr. 1	JK	5-12-
29	Cyl.Base Det.& Bill(Inlet End)	~~90-J-383~~ 102-J-629	1	Gr. ~~8~~ 1	~~JK~~ HMP	~~5-12-~~ 3/24
29	Cyl.Cover Det.&Bill(Inlet End)	~~90-J-385~~ 102-J-630	1	Gr. ~~1~~ 2	~~JK~~ HMP	~~5-12-~~ 3/24
29	Cyl.Base Det.& Bill(Exh. End)	90-J-384	1	Gr. 1	JK	5-12-
	Cyl.Cover Det.& Bill (Exh.End)	90-J-385	1	Gr. 2 (Without Breakable Diaphr.)	JK	5-12-
29	Cyl.Breakable Diaphragm(- "	---	-	None Furnished	JK	5-12-
29	Cylinder Blade Ring Det.(#1)	27-E-651	1	Gr. 1	JK	5-12-
29	Cylinder Blade Ring Det. (#2)	27-E-652	1	Gr. 1	JK	5-12-
29	Cylinder Blade Ring Det. (#3)	27-E-653	1	Gr. 1	JK	5-12-
29	Cylinder Blade Ring Det. (#4)	27-E-654	1	Gr. 1	JK	5-12-

FRAME F-286-Turbine

CHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES PAGE 4.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF: - S.O.

DRAWING LIST

IN	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DATE
29	Cylinder Blade Ring Det. (#5)	27-E-655	1	Gr. 1	JK 5-	12-52
29	Cylinder Blade Ring Det. (#6)	---	-	Integral with Cylinder	JK 5-	12-52
~~29~~	~~Cyl. Centering Beam A&B (Exh. End)~~	---	~~xx~~	~~Grxx~~		
2[illegible]	Cylinder Dummy Ring D/B (H.P.) & (L.P.)	~~27-E-656~~ 39-E-132	~~1~~ 1	Gr. ~~1~~ GR#1 ~~xxxxxxxxxxxxxxxx~~ Separate	~~JK 5-~~ JMcK	~~12-52~~ 2/11/53
~~29~~	~~Cylinder Dummy Ring D/B (L.P.)~~	---	-			
	H.P. 26 "M.D.-Throttlings	~~24 Axial~~	32	~~12~~ Radial		
	L.P. 34 "M.D.-Throttlings	~~24 Axial~~	24	~~11~~ Radial		
~~59~~	~~Cylinder Dummy Mirrometer~~	---	~~xx~~	~~Grxx~~		
~~98~~	~~Cyl. Expansion Indicator D/B~~	---	~~xx~~	~~Grxx~~ ~~xxxxxxxxxx~~		
~~9[illegible]~~	~~Cylinder Expansion Transmitter Mounting Assy. & Bill~~ ~~(Moving Stationary Instrument)~~	---	~~xx~~	~~Grxx~~		
29	Cylinder Grooving	---	~~xxx~~	Incl. on Cyl. Cover (Exhaust End)	JK 5-	12-52
~~29~~	~~Cyl. Horizontal Flange Relief~~	~~28-E-240~~	~~1~~	~~Gr. 1 & 2~~ NOT REQ'D CANCELLED	~~JK 5-~~ J.K.	~~12-52~~ 7-18-5
29	Cyl. Inner Gland Ring D/B (Inlet end)	~~26-E-689~~ 39-E-108	1	Gr. 1	~~JK 5-~~ JMcK	~~12-52~~ 2/11/53
~~29~~	~~Cyl. Inner Gland Ring D/B~~ ~~xxxxxx~~	---	~~xx~~	~~Grxx~~		
37	Cylinder Insulation A/B	---	-	Included on Lagging ~~xxxxxxxxxx~~	JK 5-	12-52
29	Cylinder Support Attachment Det. & Assy. (Inlet End) ~~xxxxxxxxxxxxxxxx~~	14-E-430	1	Gr. 1	JK 5-	12-52

FRAME F-286-Turbine

P[illegible]IASER City of Austin, Texas

CHECKED BY AND DATE

S.O. & SIGN SPEC D 10-A-4878 | SUB LETTER A | SUB LETTER ___ | SUB LETTER ___ | SUB LETTER ___ | SUB LETTER ___

22 PAGES PAGE 5.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000433

F :- S.O.

DRAWING LIST

INDX	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. AND REMARKS	CHECKED BY	DAT
[illegible]	[illegible]	---	[illegible]	[illegible]		
	[illegible]					
	[illegible]					
2	[illegible]	---	[illegible]	[illegible]		
	[illegible]					
[illegible]	[illegible]	---	[illegible]	[illegible]		
	[illegible]					
[illegible]	[illegible]	---	[illegible]	[illegible]		
	[illegible]					
29a	Dummy Leakoff Piping D/A(H.P.)	---	[illegible]	Incl.on Cyl.Base	JK	5-12-5
	(4 " 300 #)			D/B		
29a	Dummy Leakoff Piping D/A(L.P.)	28-E-254	1	Gr. 1	JK	5-12-5
	(12 " 150#)					
	DUMMY LEAKOFF PIPING ORIFICE DETAIL	24-G-918	1	(SPECIAL) Gr 1	BMD	1/11
96	Electrical Connections B/M	22-H-153	1	Gr. 2	JK	5-12-5
[illegible]	[illegible]	---	[illegible]	[illegible]		
	[illegible]					
	[illegible]					

RAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB.LETTER A	SUB.LETTER ___	SUB.LETTER ___	SUB.LETTER ___	SUB.LETTER

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF:- S.O.

DRAWING LIST

IP	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DAT
31	Foundation Bolt B/M	22-H-659	1	Gr.3	C.F.J.	4-14
31	Founda. Leveling Plates A/B	42-F-755	1	Gr. /	Bm&D	4/17/
31	Foundation Seating Cover Plates Assy. & Bill	28-E-375	1	Gr.1	JK	5-12-5
33	Gauge Board Outline	31-F-126	Ref		JK	5-12-5
33	Gauge Board & Piping A/B	31-E-778	1	Gr.1	JK	5-12-5
	The following Gauges & Instruments are mounted on Gauge Board-furnished by W.E. Corp. - [redacted]					
33	(Throttle)	10-H-61	1	Item # 78	JK	5-12-52
33	(Primary Inlet)	10-H-61	1	Item # 78	"	
33	(First Stage)	10-H-61	1	Item # 75	"	
3	Exhaust)	10-H-61	1	Item # 42	"	
3	(Bearing Oil)	10-H-61	1	Item # 4	"	
33	(Main Oil Pump Suction)	10-H-61	1	Item # 7	"	
33	(Main Oil Pump Discharge)	10-H-61	1	Item # 18	"	
33	(Governor Impeller Discharge)	10-H-61	1	Item # 7	"	
33	(Governing Control)	10-H-61	1	Item # 7	"	
33	(Auxiliary Oil Pump Discharge)	10-H-61	1	Item # 13	"	
33	(Load Limit Control)	10-H-61	1	Item # 7	"	
33	(Gland Water)	10-H-61	1	Item # 4	"	
33	(Gland Steam Seal)	10-H-61	1	Item # 7	" JK	5-12-5
[redacted]		---				
[redacted]		---				
[redacted]		---				
[redacted]		---				
[redacted]		---				
[redacted]		---				

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

82 PAGES PAGE 7. [redacted]

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

R[illegible] S.O.

DRAWING LIST

INDEX	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DATE
	(Gauges & Instruments continued from Page)					
	[illegible]	---	[illegible]			
	[illegible]	---	[illegible]			
	[illegible]	---	[illegible]			
	[illegible]	---	[illegible]			
	[illegible]	---	[illegible]			
	[illegible]	---	[illegible]			
	Mercury Column	---	-			
	Electric Tachometer	---	-	)		
	Electric Tach. Speed Indicator	---	-	) Furnished by E.Pgh.&		
	[illegible]	---	-	) Shipped with Generator	JK	5-12-52
	Calibration Rheostat	---	-	)		

AME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES PAGE 8. [illegible]

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000436

REF:- S.O.

DRAWING LIST (T-Type Gov.)

IND	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. AND REMARKS	CHECKED BY	DATE
34	Gov.& Speed Changer Assy. & B (Transformer Type 11 dia.)	20-J-586	1	Gr. 4	JK	5-12-52
	Follow-Up Spring-Item 83 order to	11-H-172	✓	(scale 155 #) assemble in hole #4	JK	5-12-52
	Piston Stop-Item 94 order to	9-H-557	✓	Item 12 (Stroke Used / ") 4-1/4 4½	JK	5-12-52 2-7-53
	Cup Valve-Item 96 order to	13-K-200	✓	Gr. 5 (Transformed ratio 5 to 1)	JK	5-12-52
	Relay Piston-Item 99 order to	15-F-767	✓	Gr. 3	JK	5-12-52
	Gov. Speed Changer-Item 100 order to	19-E-77	-	Gr. 2 is to be wound for motor item 16 125 volts D.C.- split field	JK	5-12-52
[illegible]		---	[illegible]			
[illegible]		---	[illegible]			
[illegible]		---	Ref			
34	Gov. Impeller & Overspeed Trip Assy. & Bill (with - body ring)	20-E-751	1	Gr. 1 Set to trip at 3998 RPM (11 % overspeed)	JK	5-12-52
[illegible]		---	[illegible]			
[illegible]		---	[illegible]			
[illegible]		---	[illegible]			
34	Gov. Speed Changer Wiring Diagram	---	[illegible]	Incl. on unit wiring diag.	JK	5-12-52

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES PAGE 9.

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF: - S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.[NS] AND REMARKS	CHECKED BY	DA
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			
37	Lagging-Turb. & Insulation Det. & Assy.	91-J-218	1	Gr. 2 For Plate Stamping See S.O. Reading	JK 5-	12-5
37	Lagging-Ped. Thrust-Det. & Assy.	20-E-872	1	Gr. 17	JK 5-	12-5
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			
	~~Lagging D/A (Between Generator & Turbine Exhaust)~~	~~36-E-870~~	~~1~~	~~Gr. 1~~ NOT REQ'D. CANCELLED 7-19-52	~~JK 5-~~ J.K.	~~12-5~~ 7-19-5
~~[illegible]~~	~~[illegible]~~	---	-			
~~[illegible]~~	~~[illegible]~~	---		~~[illegible]~~		
37D	Load Limit Valve Assy. & Bill (~~[illegible]~~ - Angle Mtg.)	13-E-463	1	Gr. 3	JK 5-	12-5
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			
41	Nozzle Block & Welding Assy & Bill (1st. Stage) (~~9/16~~ 11/16 in. x ~~34-9/16~~ 34 11/16 M.D.)	~~27-E-859~~ 39-E-164	1 1	Gr. ~~1~~ GR. 1	~~JK 5-~~ [illegible]	~~12-52~~ 3/10/53
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			
~~[illegible]~~	~~[illegible]~~	---	~~[illegible]~~			

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE

S.O. & DESIGN SPEC D 10-A-4878 | SUB LETTER A | SUB LETTER ___ | SUB LETTER ___ | SUB LETTER ___ | SUB LETTER ___

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000438

R - S.O.

DRAWING LIST

IDEX	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR # AND REMARKS	CHECKED BY	DATE
41	Nozzle Chamber Assy. & Bill	---	xxxxxxx	Incl.on Cyl.Cover	JK 5-	12-52
42	Oil Cooler - Outline	---		Supplied by Cond.Dept.	JK 5-	12-52
	Mfr.Westinghouse			on S.O. 10-A-4879		
	450 sq.ft.to cool 160 G.P.M.					
	150 SS oil,at 100 °F from					
	150 °F to 120 °F with	320				
	G.P.M.of water at 95 °F					
	Max.oil press,drop: 15 #					
	Max.water press,drop: 2 #					
43A	Oil Cleaning Piping Assy. & B (Temporary)	31-F-589	1	Gr. 3	JK 5-	12-52
43	Oil Cooler Tandem Oper.3-Way valve (Size)	---	-	Ordered on Oil xxxxxxxxx piping xxxxxxx B/M	JK 5-	12-52
43	Oil Cooler Oil Piping A&B	---	xxxxxxx	Included on Oil Piping Assy.	JK 5-	12-52
43	Oil Piping Assy(Var.Feat)Elev	104-J-34 ~~92-J-649~~	Ref		A.J. ~~JK 5-~~	12-30-5 ~~12-52~~
43	Oil Piping Assy(Var.Feat)Plan	104-J-33 ~~92-J-648~~	Ref		A.J. ~~JK 5-~~	12-30-5 ~~12-52~~
43	Oil Piping Bill(Variable Feat)	28-H-866 ~~23-H-75~~	1	Gr. 1	A.J. ~~JK 5-~~	2-30-5 ~~12-52~~
43	Oil Piping A&B (Throttle Valve)	31-E-269	1	Gr. 1	JK 5-	12-52
~~43~~	~~Oil Piping Assy & Bill~~ ~~(Ex Synchro Cond Oper Gear)~~	---	xxxxxxx			
43	Oil Piping(Pressure Switch)& Mounting Det.& Assy. & Bill	---	-	Ordered on Oil Piping B/M (Variable Feat.)	JK 5-	12-52

NAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUBLETTER A	SUBLETTER	SUBLETTER	SUBLETTER	SUBLETTER

22. PAGES

PAGE 11. xxx

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000439

DRAWING LIST

S.O.

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. AND REMARKS	CHECKED BY	DATE
~~43~~	~~Steam Drain Piping Assy. & Bill~~	---	~~1~~	~~Gr.~~		
43	Steam, Drain & Gland Piping A/B	93-J-255	1	Gr. 1	JK 5-12-5	
	OIL DRAIN GEN. LOOP SEAL TANK. A/B	———	—	ORD. ON OIL PIPING DWG'S.	CAE.	6-11-
43	Steam, Drain & Gland Piping Insulation Assy. & Bill	93-J-255	1 Set	~~Gr.~~	JK 5-12-5	
	OIL DRAIN LOOP SEAL DIAGRAM.	23-G-888	REF.		CAE.	6-11-
~~43~~	~~Oil Drain & Gland Piping Assy. & Bill~~	---	~~Ref~~			
	OIL DR. LOOP SEAL CHECK VLV. (MTD. BY PURCH) A/B	38-E-750	1	GR. I	CAE	6-11-
~~43~~	~~Oil Drain & Gland Piping Assy. & Bill~~	---	~~Ref~~			
	OIL DR. LOOP SEAL CHECK VLV. OUTLINE	27-H-984	REF.		CAE	6-11-
~~43~~	~~Oil Drain & Gland Piping Bill~~	---	~~1~~ ~~Gr~~			
	Oil Ejector Assy. & Bill	~~18-E-213~~ 99-J-768	1	~~Gr. 6 & Item 14 of Gr. 6~~ (Inside of Oil Reservoir)	~~JK 5-18-5~~ 7-18-5	
	~~Size 4 in. PSIG~~					
	~~Throat Dia. 1-3/4 Noz. Dia. 3/4~~					
43	Oil System & Control Diagram	91-J-869	Ref		JK 5-12-5	
5	Oil Pump (Aux.) Assy. {Steam driven}	18-J-343	Ref	Assy " #1 "	JK 5-12-5	
5	Oil Pump (Aux) Bill {Steam driven}	18-J-343	1	Gr. 6	JK 5-12-5	
	Std. Press. PSI Temp.	°F		~~Nozzle Item~~ ~~For Pump~~		
	Oper. Press. 850 PSI 900 Temp.	°F		~~Item~~		
	(275 GPM PSIG)					
~~5~~	~~Oil Pump (Aux) Bearing~~	---	~~1 Gr~~			
~~5~~	~~Oil Pump (Aux) Blade Retainer~~	---	~~1 Gr~~			

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC. D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF:- S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.* AND REMARKS	CHECKED BY	D
	[illegible]	---	[illegible]	[illegible]		
5	Oil Pump (Aux) Nozzle & Det.	11-H-376	1	Gr. 4	JK 5-12-	
	[illegible]	---	[illegible]	[illegible]		
	[illegible]	---	-	[illegible]		
	[illegible]	---	[illegible]			
	[illegible]	---	Ref	[illegible]		
7	Oil Pump(Aux) Reg. & By-Pass Piping Det. & Assy. (1 "Body3/4 "Valve member Std.Press. PSI Temp. °F Oper.Press.850 PSI Temp. 900 °F	17-E-92	1	Gr. 4	JK 5-12-	
7	[illegible]	---	[illegible]			
7	[illegible]	---	[illegible]	[illegible]		
	[illegible]	---	-	[illegible]		

FRAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC. D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

REF:- S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DA
~~5~~	~~Oil Pump (Aux) A&B (Motor Driven)~~ ~~GPM~~ ~~PSIG~~	---	~~1~~	~~Gr.~~		
	~~Oil Pump (Aux) Motor~~ ~~H.P.~~	---	-	~~Item~~ ~~of Dwg.~~ ~~wound for~~ ~~V.A.C.~~ ~~(For Central Sta. Use)~~		
~~4~~	~~Oil Pump (Aux) Motor Mercoid Switch~~	---	~~1~~			
~~5~~	~~Oil Pump (Aux) A&B (Motor Driven)~~ ~~GPM~~ ~~PSIG~~	---	~~1~~	~~Gr.~~		
	~~Oil Pump (Aux) Motor~~ ~~H.P.~~	---	-	~~Item~~ ~~of Dwg.~~ ~~wound for~~ ~~V.A.C.~~ ~~(For Central Sta. Use)~~ ~~D.C.~~		
~~5~~	~~Oil Pump (Aux) Motor Mercoid Switch~~	---	~~1~~			
	Oil Pump (Aux) A&B (Motor Driven) (For Spindle Turning Gear) (150 GPM 18 PSIG)	36-E-466 ~~24-E-17~~	1	Gr. 6 ~~3 & Items 4 & 28 of Gr. 1 (Omit Items 26 & 27)~~ Assembly " ~~#2~~ "#/	cab. ~~JK 5~~	2/2 ~~-12-~~
	Oil Pump (Aux) Motor (5 H.P.)	---	-	Item 25 ~~28~~ of Dwg. 36-E-466 ~~24-E-17~~ wound for 220/440V. A.C. (For Central Sta. Use)	~~JK5~~ cab.	2/26 ~~-12-~~
5	Oil Pump (Aux) Motor Mercoid Switch	12-H-916	1	Complete	~~JK~~ 5	-12-
96	Mercoid Switch Wiring Diagr. (Pressure Switch Interlock)	---	Ref	Incl. on unit wiring diag Separate Dwg.	JK 5	-12-
5	Oil Pump (Main) Assy. & Bill (350 GPM 125 PSIG)	20-E-895	1	Gr. 2 ~~Inlet Single Double~~	JK5	-12-5

FRAME F-286-Turbine

CHASER Cityof Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB. LETTER A	SUB. LETTER ___	SUB. LETTER ___	SUB. LETTER ___	SUB. LETTER -

22. PAGES

PAGE 14. ~~XXXX~~

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000442

REF:- S.O.

DRAWING LIST

QTY	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DA
~~46~~	~~Oil Reservoir & Strainer A&B~~	~~70-J-737~~	~~1~~	~~Gr. 1~~	~~JK 5-12~~	
	~~Capacity: 900 Gall.~~	~~(Disregard Replacement note on Dwg. Use Gr. 1)~~				
		103-J-409	1	~~GR.1~~ GR.2 10-17-53 W.N.H.	~~CAP 5-1~~	
~~46~~	~~Oil Level Diagram~~	---	~~Ref~~			
1	Oil Reservoir Outline	~~39-E-191 26-E-661~~	Ref		~~W.F.C. JK 5-12~~	
1	OIL VAPOR EXTRACTOR OUTLINE & B/M. (MTD. BY PURCH. FOR GEN. BRG OIL DR. LINE	27-F-414	1	GR1. INCL. 1 HP MOTOR WOUND FOR 220/440 V.A.C. CENT. STA. USE.	cof	6/11
93	Oil Vapor Extractor Outline & Bill (Roots-Connersville)	27-~~E~~ F-414	1	Gr.1 Incl. 1- H.P. Motor Wound for 220/440 V.A.C. (For Central Stat. Use)	JK 5-12-	
	Paint & Finish Specifications	---	-	Issued on S.O. Reading	JK 5-12-	
~~49~~	~~Pedestal-Thrust-Assy.~~	---	~~1~~	~~Gr.~~		
~~49~~	~~Pedestal-Thrust-Bearing~~	---	~~1~~	~~Gr.~~		
	~~Lifting Shackle~~					
65	Pedestal-Thrust-Assy.	52-J-823	Ref	Gr. 25-1/4 "foot height	JK 5-12-5	
65	Pedestal-Thrust-Ped. Det. & B	91-J-244	1	Gr. 4	JK 5-12-5	
65	Ped.-Thrust-Ped. Alt. & Bushing	19-G-968	1	Gr. 1 (For shipping Turbine Assembled)	JK 5-12-5	
~~65~~	~~Ped. Thrust Ped & Ped Cover Alt~~	---	~~1~~	~~Gr.~~		
	~~(Ped Spindle Screen. Position Pickup)~~					
65	Pedestal-Thrust-Cover Det. & B	39-J-113	1	Gr. 2	JK 5-12-5	
65	Ped.-Thrust-Ped.-Cover Alt. (For Trip Devices Application)	20-F-895	1	Gr. 1	JK 5-12-5	

NAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

PEF:- S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. # AND REMARKS	CHECKED BY	DAT
	~~[illegible]~~	---	~~[illegible]~~			
	~~[illegible]~~					
65	Pedestal-Thrust-Base (Soleplate) Det. & Bill	11-E-973	1	Gr.2 (For 25-1/4"Ft.Hgt)	JK 5-	12-5
	~~[illegible]~~	---	~~[illegible]~~			
	~~[illegible]~~					
65	Pedestal-Thrust-Centering Beam A&B (Nom.Lgt. ")	32-F-43	1	Gr. 1	JK5-	12-5
	~~[illegible]~~	---	~~[illegible]~~			
	~~[illegible]~~					
65	Pedestal-Thrust-End Cover & Trip Devices Assy. & Bill	28-J-702	1	Gr.1 ~~[illegible]~~	JK5-	12-5
	With: Low Oil Press.Trip	(Disregard Replacement note in R.H.Corner of				
	Vacuum Trip and	(Dwg. 28-J-702)				
	Solenoid Trip			Solenoid Item 130 To Operate on 125 - V.D.C.	JK5-	12-52
	~~[illegible]~~	Order to Dwg. 12-G-781 Gr. #1				
	~~[illegible]~~	---	~~[illegible]~~			
	~~[illegible]~~					
	~~[illegible]~~	---	~~[illegible]~~			
	~~[illegible]~~					
	~~[illegible]~~					
	~~[illegible]~~					
	~~[illegible]~~					

NAME F-286-Turbine

CHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000444

R[illegible]: - S.O.

DRAWING LIST

IND	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DATE
~~65~~	~~Pedestal-Thrust-Auto-Trip~~	---	~~1~~	~~Gr.~~		
	~~Assy. & Bill~~					
	~~(Remote Mtd. For Pwr. Oper. Trip)~~					
	~~(Cyl. on End Cover)~~					
	~~With Low Oil Pr. Trip~~					
	~~Vacuum Trip~~					
	~~Solenoid Trip~~			~~Solenoid Item To operate~~		
				~~on V.D.C.~~		
	~~Supplemented With~~					
	~~Mercoid Tilting Switches & Mtg~~	---	~~1~~	~~Item of Gr. for~~		
				~~Additional Switches~~		
				~~(Gr. Total)~~		
~~65~~	~~Pedestal-Thrust-Lagging Cover~~	---	~~1~~	~~Gr.~~		
	~~& Support D/A/B~~					
1	~~Pedestal-Thrust-Outer Casing~~	~~---~~	~~1~~	~~Gr.~~		
	~~D/A/B~~					
65	Pedestal-Thrust-Throttle Oper.	11-F-254	1	Gr. 5 (")	JK	5-12-52
	Trip Relay Assy. & Bill					
	~~Separate (In Ped. Cover) Or Comb. with Trip Valve (Overspeed) A/B~~					
~~66~~	~~Pedestal-Thrust-Bracing & Lifting Shackle A&B~~	---	~~1~~	~~Gr.~~		

FRAME F-286-Turbine

CHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

PAGE 17. ~~21~~

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000445

DRAWING LIST

R[illegible] - S.O.

IND	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.[illegible] AND REMARKS	CHECKED BY	DATE
~~98~~	~~Shipping & Dimensions Cyl. Cover~~	---	~~Each~~			
~~98~~	~~Shipping Dimensions Cyl. Covers~~	---	~~Each~~			
~~98~~	~~Shipping Dimensions Spindle~~	---	~~Each~~			
~~98~~	~~Shipping Supports (Thrust Unit)~~	---	-	~~Included on Foundation & Shipping Arr'ts A&B~~		
98	Shipping & Lifting Arr't.A/B	93-J-365	0 X	Gr. 1 (Parts not to be (made)	JK5-12-52	
~~100~~	~~Spare Parts Bibb~~	---	~~Each~~			
52	Spindle Details & Assy.	~~90-J-865~~ 102-J-298	1	Gr. 1	~~JK 5-12-52~~ JWM 3/24/53	
52	spindle Forging (Mtl. 5669)	30-F-981	-	Item 1 (Specified on	JK 5-12-52	
~~52~~	~~Spindle Disc Forging (Mtl. [illegible])~~	---	-	~~Item~~ (Spindle D/A		
		39-E-979	REF.		E.M.W. 7-C-53	
52	Spindle Clearances	~~34-E-875~~	~~REF~~		~~JK 5-12-52~~	
59	Spindle Dummy Micrometer A&B	91-J-56	1	Gr.4	JK 5-12-52	
~~59~~	~~Spindle Thrust Bearing Disc (2)~~	---	~~Each~~			
	~~Spindle Thrust Bearing Spacer Ring~~					
59	Spindle End Travel Gauge A&B	19-F-264	1	Gr. 5	JK 5-12-52	
54	Spindle Gland A&B (Inlet End) (14 "dia.)	90-J-177	1	Gr. 6 Runner Clearance each side 1/4 "	JK 5-12-52	
54	Spindle Gland A&B (Exh. End) With-Without Diaph.(14 "dia)	52-J-260	1	Gr. 2 Runner Clearance each side 1/4 "	JK 5-12-52	

NAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES PAGE 18. ~~22~~

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

S.O.

DRAWING LIST

IN	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. # AND REMARKS	CHECKED BY	DAT
55	Spindle Gland Drip Pan Det. & Assy. (Inlet End)	---	xxxxxx	Not Required	JK 5-12-5	
55	Spindle Gland Drip Pan Det. & Assy. (Exh. End)	---	xxxxxx	Not Required	JK 5-12-5	
57	Spindle Guides Det. & Assy.	~~28-E-304~~ 28-E-304	1	Gr. ~~1~~ 2	~~JK 5-12-5~~ 8-40	4/17/
	Spindle Jacks D/A/B	36-F-28	1	Gr. 1 & 2	JK 5-12-5	
58	Spindle Lifting Gear A&B	31-F-527	~~1~~ 0	Gr. 1 None Furnished use that original furnished on S.O. 5-A-5958		
~~65~~	~~[illegible]~~	---	xxxxxx			
~~65~~	~~[illegible]~~	---	xxxxxx			
~~58~~	~~[illegible]~~	---		~~[illegible]~~		
59	Spindle Truth Indicator Det. & Assy. (Mount in Gland)	11-F-801	1	Gr. 2	JK 5-12-5	
53	Spindle Turning Gear A&B	17-J-491	1	Gr. 3 3- H.P. Motors Items 115 to be wound for 220/440 volts A.C. (For Central Station Use)	JK 5-12-5	
53	Spindle Turning Gear Motor Mercoid Switch	---	-	Specified on Spindle Turning Gear.	JK5-12-52	
~~53~~	~~[illegible]~~	---	xxxxxx			

NAME F-286-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC. D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

 CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000447

F:- S.O.

DRAWING LIST

IN	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.## AND REMARKS	CHECKED BY	DA
	~~Spindle Bearing Gear Position~~	---				
	~~Switch Assy. & Bldg~~					
	~~Steam Chest Assy. & Bldg~~	---				
	~~Steam Chest Cover & Linkage~~	---				
	Assy. & Bldg					
	Steam chest manifold	631J400		GR 1	10/31/58	
	~~Steam Chest Cover & Linkage~~	---				
	~~Assy. & Bldg~~					
	~~Valve~~					
60	Steam Chest Cover & Link. Assy.	~~90-J-870~~	Ref	(8 dia. 7 Val. 900 #)	~~JK 5-12-5~~	
		90-J-878	1	GR #1	BWP 2/11/	
60	Steam Chest Cover & Link. B/M	~~90-J-870~~	~~1~~	Gr. ~~1~~	~~JK 5-12-5~~	
6	Steam Chest Valve A&B	~~51-F-153~~	1	Gr. ~~1~~ 1	~~JK 5-12-5~~	
		42-F-260			BWP 2/11/	
	~~Steam Chest Valve A&B~~	---				
	Steam Inlet Piping	---	-	None Required	JK 5-12-5	
	~~Steam Chest Valve Setting Diag.~~	---				
	Steam Strainer	---	-	Incl. in Valve-Throttle	JK 5-12-5	
	~~Steam Chest Servo-Motor A&B~~	---	-			
		~~Piston Stop~~		~~Item~~ ~~Gr.~~		
		~~Spring~~		~~Item~~ ~~Gr.~~		
	Supervisory Instruments	---	-	None Furnished	JK 5-12-5	
	~~Steam Chest Servo-Motor~~	---				
	~~Bagging Assy. & Bldg~~					
	Tachometer (Electric)	---	-	Furnished with Generator	JK5-12-	
	~~Steam Chest Servo-Motor~~	---				
	~~Bagging Assy. & Bldg~~					
	Thermometers	---	-	Furnished by Customer	JK 5-12-	

NAME F-286-Turbine

CHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

EF-S.O.

DRAWING LIST

	TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR. AND REMARKS	CHECKED BY	DA
2	Trip Valve (Overspeed) A&B	11-E-550	1	Gr. 6 (2")	JK	5-12-
				Test to trip at 3996	R.P.M.	
				(11 %Overspeed)		
[illegible]		---				
[illegible]		---				
[illegible]		---				
	Turbine Outline	100-J-663	Ref		C.E.J.	7/16/
67	Turbine Outline Supplement	91-J-609	Ref		JK	5-12-5
	(Elect. Conn. [illegible]					
43	Turbine Outline Supplement	29-E-704	Ref		JK	5-12-5
	(Purch. Pipe Connections)					
98	Unit Wiring Diagram (Turbine Equip.)	28-E-817	Ref		JK	5-12-5
29	Vacuum Breaker (2-1/2 "Globe)	---	-	Ord. on Cyl. Base (Exh. End)	JK	5-12-5
43	Valve-Throttle Assy. & Bill	26-E-885	1	Gr. 4	JK	5-12-5
	(" 8 " 900 #) (R.H.)					

NAME PLATE F-886-Turbine

PURCHASER City of Austin, Texas

CHECKED BY AND DATE					
S.O. & DESIGN SPEC D 10-A-4878	SUB LETTER A	SUB LETTER	SUB LETTER	SUB LETTER	SUB LETTER

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

S.O.

DRAWING LIST

TITLE OF DRAWING OR STYLE	DWG. OR STYLE	MULT.	GR.# AND REMARKS	CHECKED BY	DATE
[illegible]	---	[illegible]	[illegible]		
[illegible]					
[illegible]	---	[illegible]	[illegible]		
[illegible]					
3 Valve-Throttle Servo - Motor	20-E-43	1	Gr.4 Assy "K"	JK 5-12-52	
Assy & Bill (L.H.) (8 ")	Item 43		(Shaft & Indic.Rod)To Dwg. 15F651	Gr.19	
	Item 58		(Bushing)To Dwg. 3-H-883	It. 1	
[illegible]	---	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
Valve plug, #1 valve	361 B660		GR 1	10/31/58	
[illegible]	---	[illegible]	[illegible]		
[illegible]					
[illegible]	---	[illegible]	[illegible]		
[illegible]					
[illegible]	---	[illegible]	[illegible]		
[illegible]					
[illegible]	---	[illegible]	[illegible]		
[illegible]					
Wrench & Tool B/M	19-G-107	1/3	Gr.2	JK 5-12-52	

NAME F-286-Turbine

CHASER City of Austin, Texas

CHECKED BY AND DATE

S.O. & DESIGN SPEC D 10-A-4878 | SUB LETTER A | SUB LETTER | SUB LETTER | SUB LETTER | SUB LETTER

22. PAGES

CONFIDENTIAL - PURSUANT TO PROTECTIVE ORDER

H000450