

Cane Island 2
Combustion Turbine Major Inspection & Steam Turbine Minor Inspection
RFP# 2026-207

Questions & Answers – Revision 2 – 6/8/26

1Q: What is the expected start date and completion date for the outage?

1A: 4/18 Per RFP Outage will be in April 2027 and Duration – 40 Days or less breaker to breaker (LOTO to LOTO 36 Days).

2Q: Is union labor required?

2A: No.

3Q: Can you please provide relevant drawings of the valves, gas turbine, steam turbine, and generators?

3A: Will have to see what we have available.

4Q: Can you please provide previous outage/overhaul/inspection reports for the valves, gas turbine, steam turbine, and generators?

4A: Will have to see what we have available.

5Q: Would it be possible to get a picture of the nameplate of each generator? Or the information from the nameplate?

4.0 Combustion Turbine Generator

The combustion turbine generator is a GE model 7A6.

5.0 Steam Turbine Generator

The steam turbine generator is a GE model 5A6.

5A: See attached.

6Q: Is self log FME allowed (in reference to the FME attendant requirement)? If not, does the attendant need to be stationed at the entrance 100% of the time?

6A: An attendant would be normal

7Q: Is FME barrier tap sufficient or is a more robust barrier required to defined the FME zone

7A: Tape is sufficient with swing doors at the entrance/exit

8Q: Is customer accepting of having the bearing inspection performed onsite or is a shop inspection desired.

8A: Can do on site but needs to be NDE'ed.

9Q: What vibration equipment does FMPA have installed? Please define expectation of the GT and ST Vibration Monitoring Scope

9A: Bently 3500 on both CT and ST

10Q: Does FMPA have a mechanical labor type requirement or preference (i.e. Union or Non-Union)?

10A: No preference

11Q: Does FMPA need any support on consumable parts (nuts/bolts)?

11A: Please quote separate consumables kit for both CT and ST

12Q: Does customer have laps for valves?

12A: None at this time

13Q: Can FMPA provide dwgs of the HPSV and CV.

13A: Attached

14Q: Provide multiple pics of the steam turbine and generator all sides

14A: Attached

15Q: Provide mechanical outline dwg for steam turbine and generator

15A: Attached

16Q: For pre-shutdown checks on the ST, does FMPA want controls engineer onsite to validate and record these data requests?

16A: Yes

17Q: Pricing sheet includes - Check and Correct Turb-Gen Alignment (2 moves) for the ST. There is currently no scope to disassemble the coupling please confirm this is a scope meant for the ST.

17A: It's an adder for the ST if we decided we need to

18Q: Pricing sheet requests price for installation of a balance shot. Please confirm customer has parts and any installation tooling required.

18A: Believe tooling is on site

19Q: DOR states contractor to oversee any insulation removal/install, and scaffold. Please confirm request as indicated on DOR for these.

19A: Yes

20Q: Please define "Clean all components" for valves. Would this be as typical blast and NDE for valve disassembled components?

20A: Yes

21Q: With regards to the oil in the stator from the previous oil leak, how significant is the expected cleanup? Does the FMPA want a dedicated day to clean up?

21A: Minimum a day.

22Q: What manufacturer & model is the GT & ST control system.

22A: GEV MKVIe

23Q: What combustion system is on the GT, DLN1?

23A: DLN 1 standard

24Q: Pre-shutdown data – Does FMPA have a historian or want a company representative onsite to collect data on site? What type of historian does FMPA have?

24A: Yes, Mk6e and Pi

25Q: Confirm number of bearings to be inspected

25A: 2 on turbine

26Q: In regard to tuning, it states tune fuel oil if available. What does this mean. 1 day per fuel for tuning is required.

26A: We are working to re-commission the fuel oil on this machine. If it is available at the time, we will require tuning on FG and FO.

27Q: What manufacturer & model is the Automatic Voltage Regulator (AVR).

27A: GE EX2100e (both units)

28Q: Confirm “Walk Down and Visually Inspect the Static Excitation System” excludes AVR.

28A: Visual inspection – wiring, cabinet, etc.

29Q: Regarding tuning, it states tune fuel oil if available. Tuning requires 1 day per fuel. Can FMPA explain the situation where fuel oil would not be available, and should we quote tuning one fuel or both?

29A: See above. Currently FO is not available.

30Q: Please confirm that FMPA is providing both Capital and Consumable parts, along with all installation hardware.

30A: Confirm. Consumable parts quoted separately.

31Q: Please confirm that all Compressor Stators are being removed and replaced with new.

31A: Were replaced in 2016, not being replaced this outage.

32Q: Is reference for Dowel replacement and Machining for original axial dowels or have radial dowels been installed as well?

32A: I think there should be radial dowels as well.

33Q: Please confirm the size and quantity of dowels referenced for replacement.

33A: To be determined.

34Q: Please confirm that Alignment referenced is NOT a full tops on laser alignment and only a realignment of turbine & exhaust casing prior to re-doweling.

34A: It will be a full tops on with laser alignment.

35Q: Replacement shrouds blocks being supplied already drilled/machined and contain installation hardware?

35A: Row 1 already drilled, Row 2 and 3 will need to be drilled. All installation hardware provided.

36Q: To what level of Cleaning & Inspection is expected on a Rotor In Generator Minor? access being very limited.

36A: If asking about Gen. field, they are not much you can get to. Maybe retaining rings. Mostly cleaning of the oil on the CTG.



Figure 2: CIPP CT2 Generator Nameplate

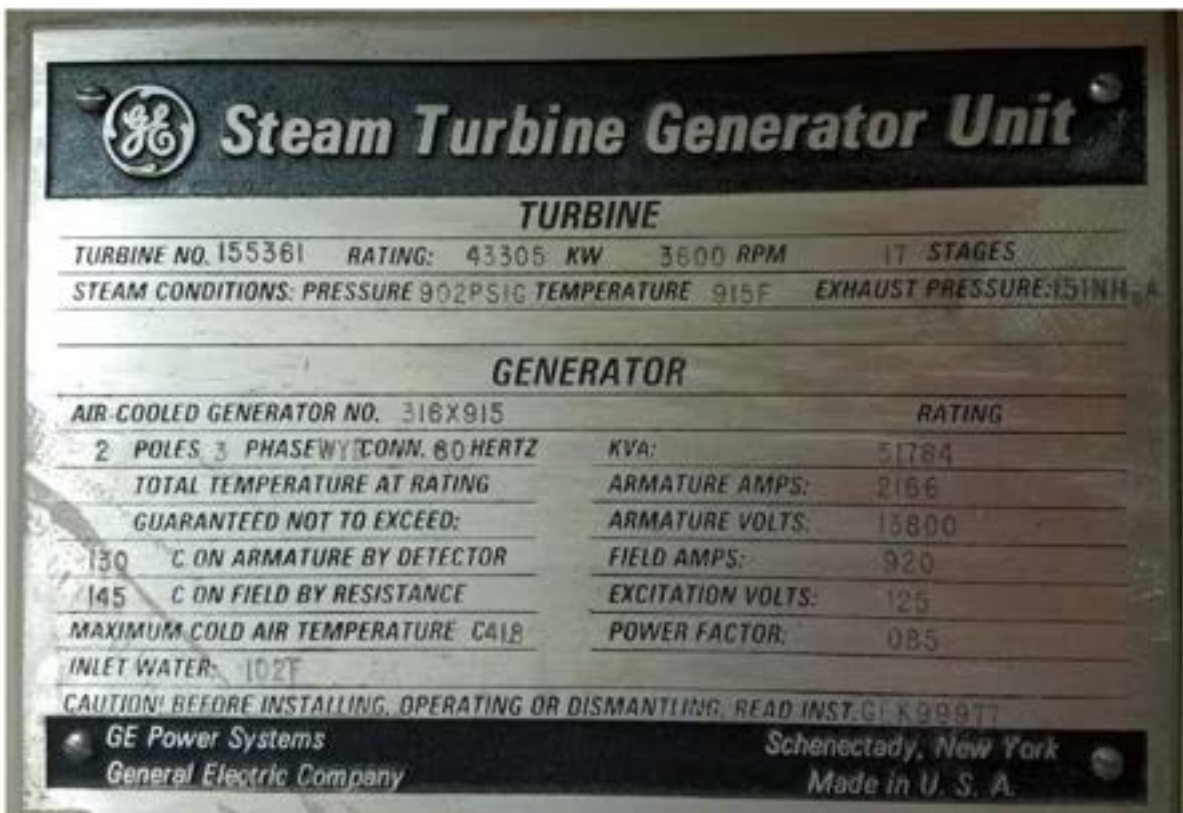
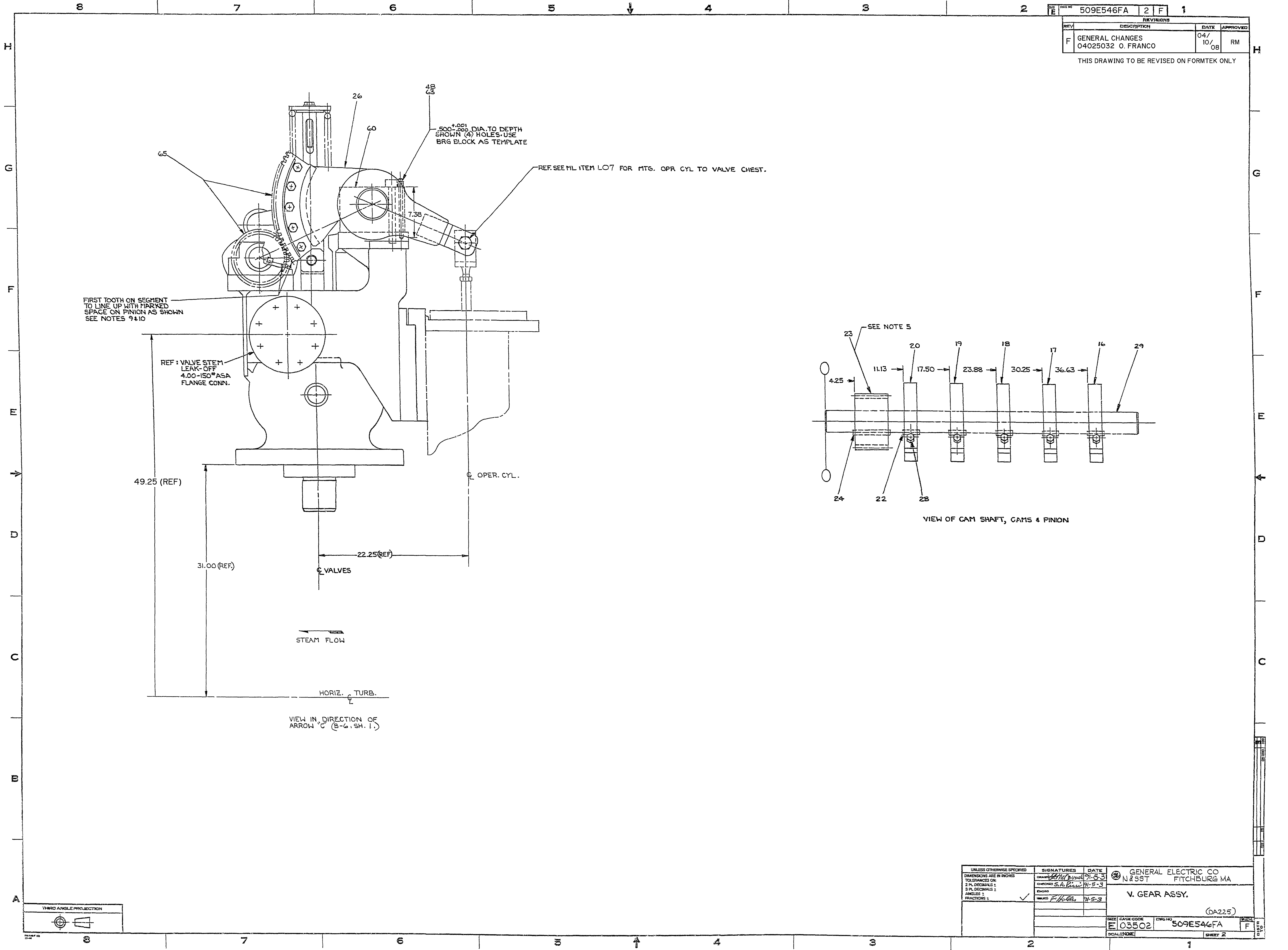


Figure 3: CIPP ST2 Generator Nameplate

REVISES			
REV#	DESCRIPTION	DATE	APPROVED
F	GENERAL CHANGES 04025032 O. FRANCO	04/ 10/08	RM

THIS DRAWING TO BE REVISED ON FORMTEK ONLY



$\pm .001$
 $\phi .500 \pm .002$ DIA. TO DEPTH
 SHOWN (4) HOLES-USE
 BRG BLOCK AS TEMPLATE

REF. SEE ML ITEM LO7 FOR MTG. OPR CYL TO VALVE CHEST.

FIRST TOOTH ON SEGMENT
 TO LINE UP WITH MARKED
 SPACE ON PINION AS SHOWN
 SEE NOTES 9 & 10

REF: VALVE STEM
 LEAK-OFF
 4.00-150° ASA
 FLANGE CONN.

49.25 (REF)

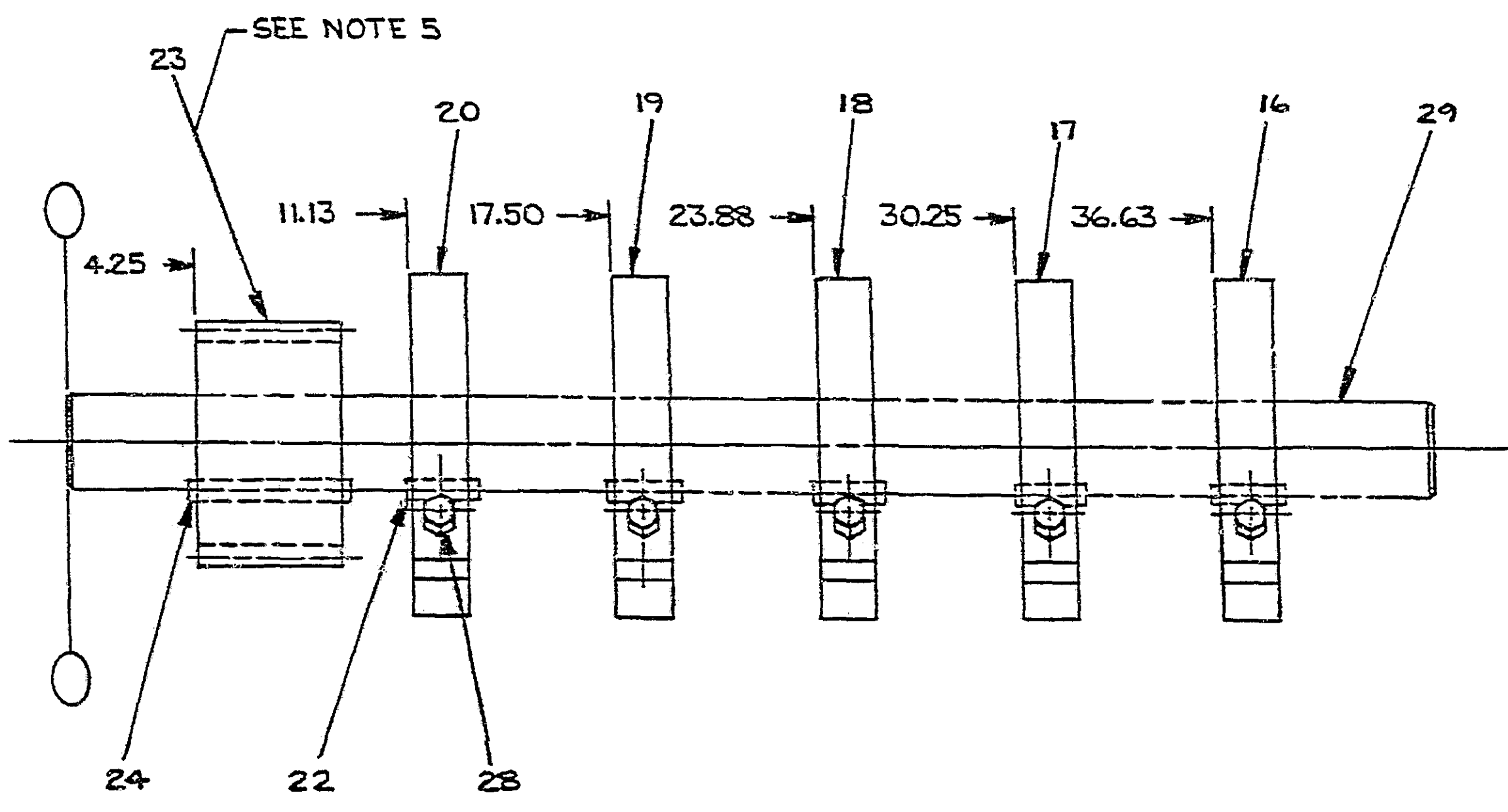
31.00 (REF)

22.25 (REF)

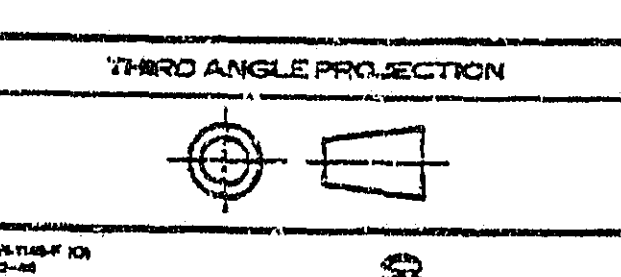
STEAM FLOW

HORIZ. TURB.

VIEW IN DIRECTION OF
 ARROW 'C' (B-6, SH. 1.)



VIEW OF CAM SHAFT, CAMS & PINION



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PL. DECIMALS ± 3 PL. DECIMALS ± ANGLES ± FRACTIONS ±	SIGNATURES	DATE	GENERAL ELECTRIC CO N&ST FITCHBURG MA V. GEAR ASSY. (DA225)
	CHECKED: <i>S.A. Elmer</i> ENGINER: ISSUED: <i>F. M. ...</i>	9-5-3 9-5-3	
SCALE: NONE	DRAWING NO: 03502	WORKING NO: 509E546FA	SHEET 2





AUX. COOLING WATER →

AUX. COOLING WATER →

AUX. COOLING WATER →

AUX. COOLING WATER →

AUX. COOLING WATER →

GENERAL ELECTRIC









AUX. COOLING WATER

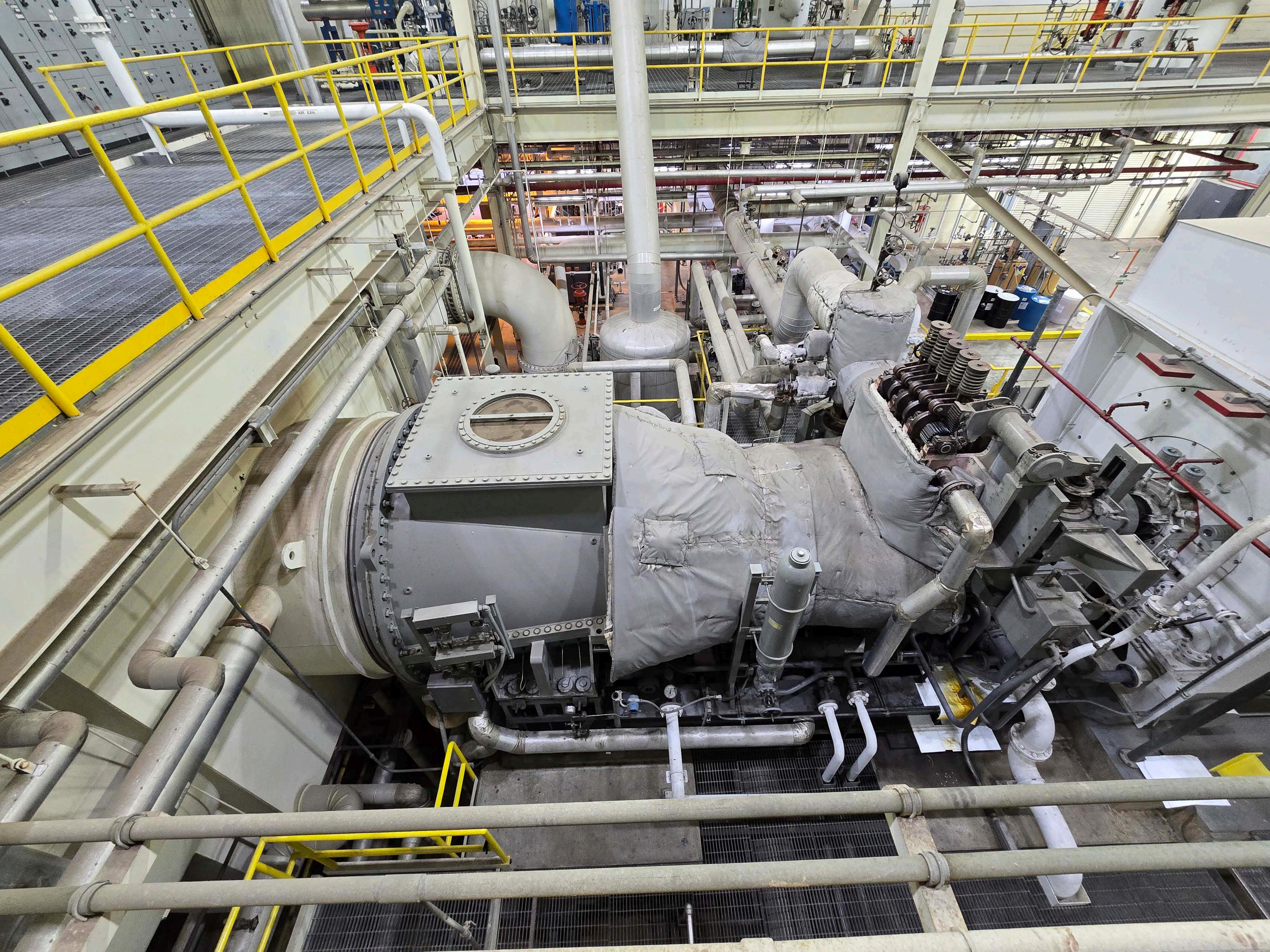
AUX. COOLING WATER

AUX. COOLING WATER

SAFETY SIGN









GENERAL ELECTRIC

EXIT

2B



GENERAL ELECTRIC

2B

Carrier

Model 2-600

Model 2-600



GENERAL ELECTRIC

40 TONS

EAST

2011205





JBX-7C

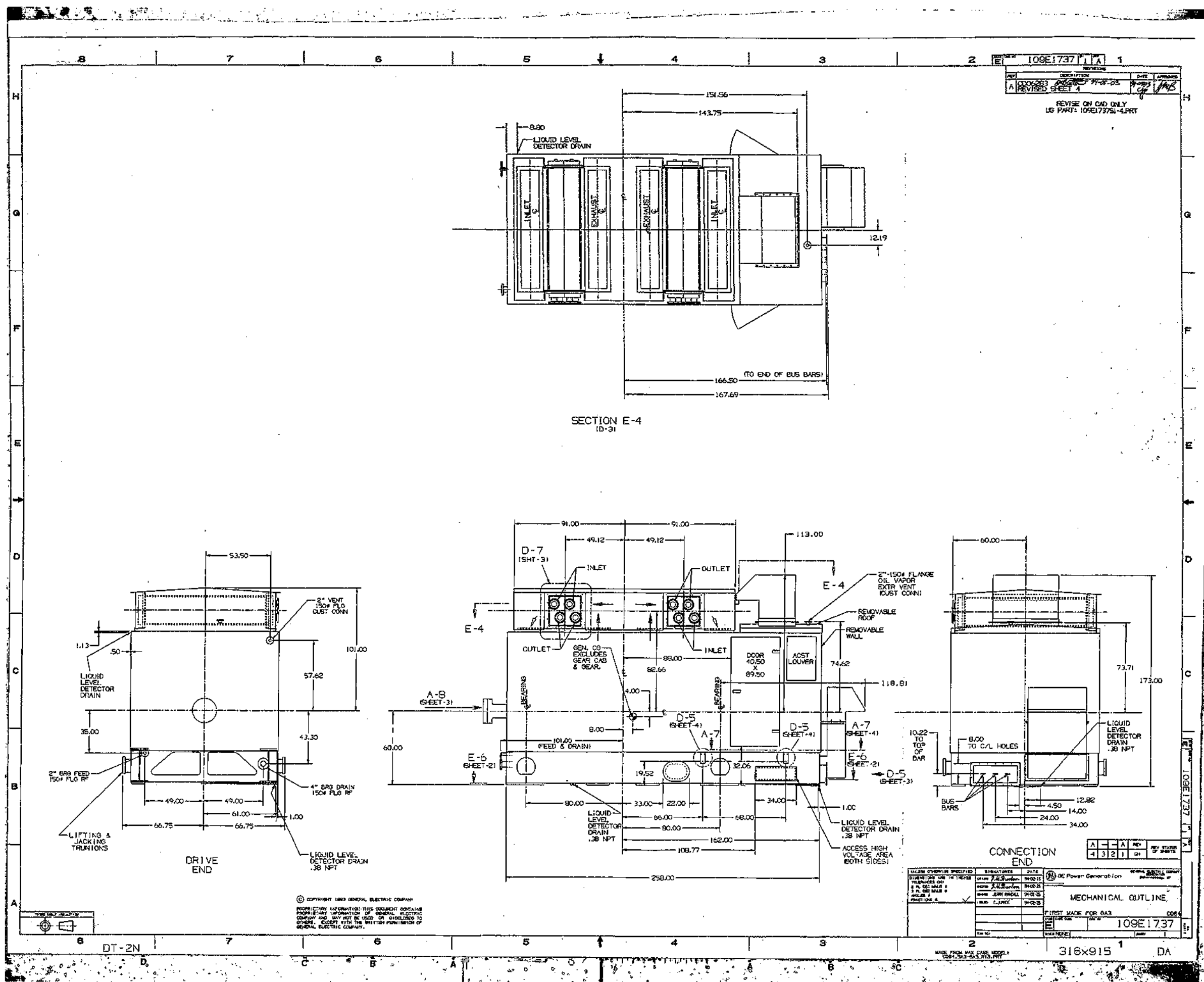
BELOW SEAT DRAIN

2RL17

waring

2RL17





REV	DESCRIPTION	DATE	APPROVED
A	REVISED SHEET 4	11-28-03	[Signature]

REVISE ON CAD ONLY
LG PART: 109E1737SI-4.PRT

SECTION E-4
ID-31

DRIVE END

CONNECTION END

© COPYRIGHT 1983 GENERAL ELECTRIC COMPANY
 PROPRIETARY INFORMATION: THIS DOCUMENT CONTAINS
 PROPRIETARY INFORMATION OF GENERAL ELECTRIC
 COMPANY AND MAY NOT BE USED OR DISCLOSED TO
 OTHERS. CORREL WITH THE BRITISH PORTION OF
 GENERAL ELECTRIC COMPANY.

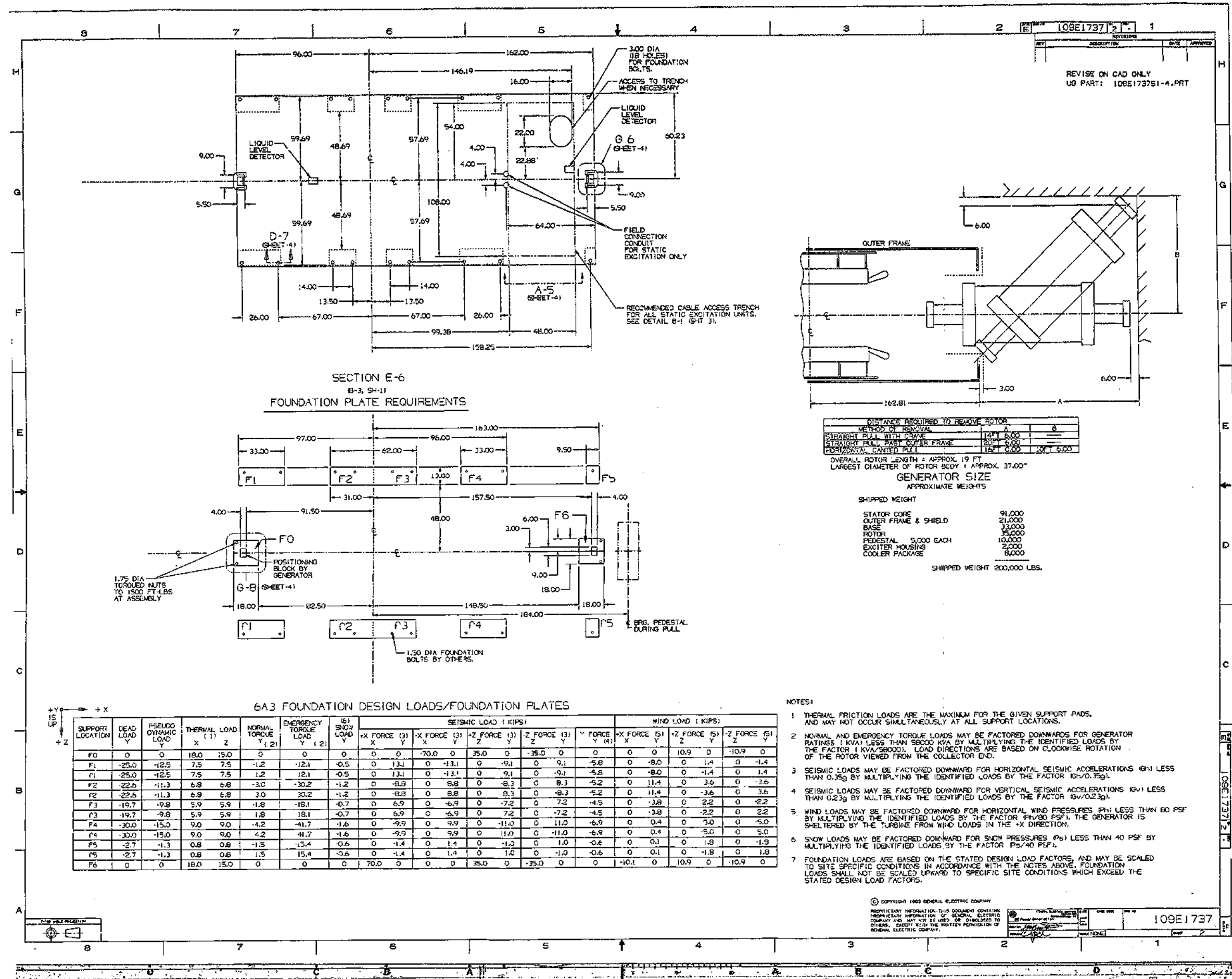
SIGNATURE	DATE	REVISION
[Signature]	11-28-03	1
[Signature]	11-28-03	2
[Signature]	11-28-03	3
[Signature]	11-28-03	4

MECHANICAL OUTLINE

FIRST MADE FOR 6A3
 109E1737

316x915 1 DA

MADE FROM MAX CASE MODEL
 03841-343-013.PRT



DISTANCE REQUIRED TO REMOVE ROTOR

METHOD OF REMOVAL	A	B
STRAIGHT PULL WITH CRANE	14' 6.00"	—
STRAIGHT PULL PAST OUTER FRAME	20' 6.00"	—
HORIZONTAL CANTED PULL	15' 6.00"	20' 6.00"

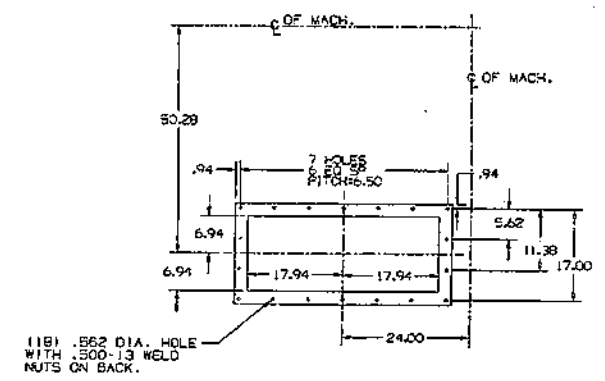
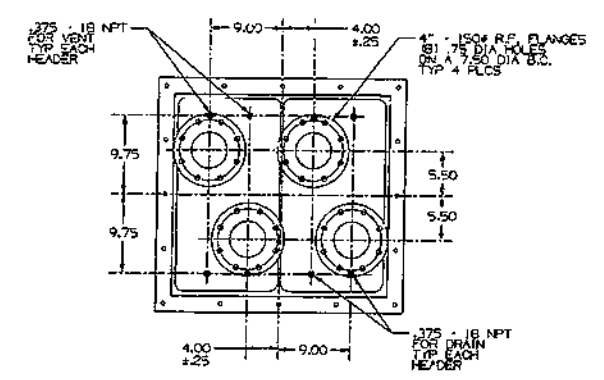
OVERALL ROTOR LENGTH = APPROX. 19 FT
LARGEST DIAMETER OF ROTOR BODY = APPROX. 37.00"

GENERATOR SIZE
APPROXIMATE WEIGHTS

STATOR CORE	91,000
OUTER FRAME & SHIELD	21,000
BASE	13,000
ROTOR	35,000
PEDESTAL, 5,000 EACH	10,000
EXCITER HOUSING	2,000
COOLER PACKAGE	8,000
SHIPPED WEIGHT	200,000 LBS.

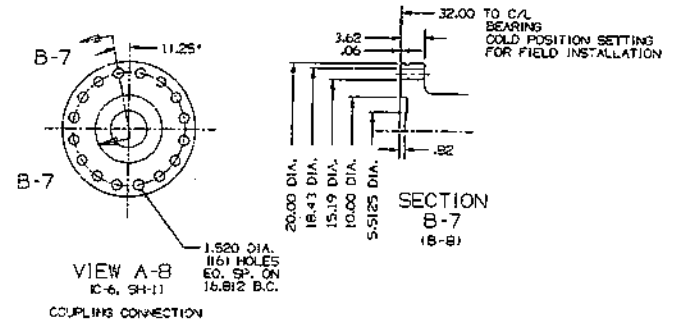
- NOTES:**
- THERMAL FRICTION LOADS ARE THE MAXIMUM FOR THE GIVEN SUPPORT PADS, AND MAY NOT OCCUR SIMULTANEOUSLY AT ALL SUPPORT LOCATIONS.
 - NORMAL AND EMERGENCY TORQUE LOADS MAY BE FACTORED DOWNWARDS FOR GENERATOR RATINGS 1 KVA) LESS THAN 8000 KVA BY MULTIPLYING THE IDENTIFIED LOADS BY THE FACTOR (KVA/8000). LOAD DIRECTIONS ARE BASED ON CLOCKWISE ROTATION OF THE ROTOR VIEWED FROM THE COLLECTOR END.
 - SEISMIC LOADS MAY BE FACTORED DOWNWARD FOR HORIZONTAL SEISMIC ACCELERATIONS (G) LESS THAN 0.35g BY MULTIPLYING THE IDENTIFIED LOADS BY THE FACTOR (G/0.35g).
 - SEISMIC LOADS MAY BE FACTORED DOWNWARD FOR VERTICAL SEISMIC ACCELERATIONS (G) LESS THAN 0.23g BY MULTIPLYING THE IDENTIFIED LOADS BY THE FACTOR (G/0.23g).
 - WIND LOADS MAY BE FACTORED DOWNWARD FOR HORIZONTAL WIND PRESSURES (PSF) LESS THAN 80 PSF BY MULTIPLYING THE IDENTIFIED LOADS BY THE FACTOR (PSF/80 PSF). THE GENERATOR IS SHELTERED BY THE TURBINE FROM WIND LOADS IN THE +X DIRECTION.
 - SNOW LOADS MAY BE FACTORED DOWNWARD FOR SNOW PRESSURES (PSF) LESS THAN 40 PSF BY MULTIPLYING THE IDENTIFIED LOADS BY THE FACTOR (PSF/40 PSF).
 - FOUNDATION LOADS ARE BASED ON THE STATED DESIGN LOAD FACTORS, AND MAY BE SCALED TO SITE SPECIFIC CONDITIONS IN ACCORDANCE WITH THE NOTES ABOVE. FOUNDATION LOADS SHALL NOT BE SCALED UPWARD TO SPECIFIC SITE CONDITIONS WHICH EXCEED THE STATED DESIGN LOAD FACTORS.

REVISE ON CAD ONLY
 US PART: 109E1737S1-4.PRT



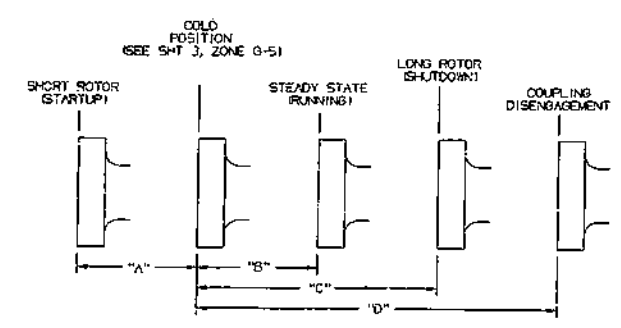
VIEW D-7
(D-5, SH-1)

VIEW D-5
(D-2, SH-1)



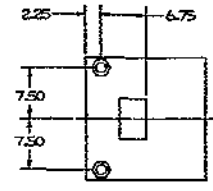
VIEW A-B
(D-6, SH-1)
COUPLING CONNECTION

SECTION
B-7
(B-8)

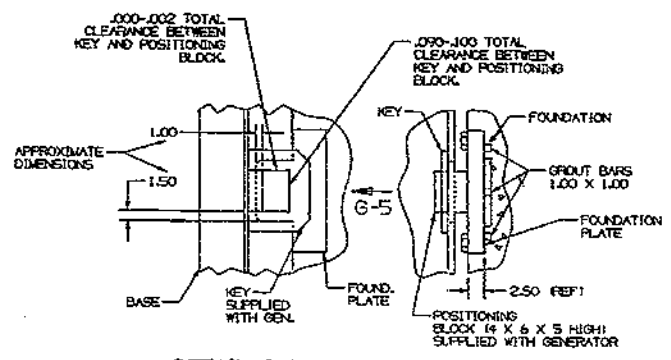


SYM	DESCRIPTION	DIM
A	MAXIMUM TOWARD TURBINE	.015
B	STEADY STATE TOWARD GENERATOR	.002
C	MAXIMUM TOWARD GENERATOR	.220
D	MOVEMENT TO DISENGAGE COUPLING RABBIT	.750
	GEN SHAFT THERMAL EXP FROM COUPLING TO CE BRG	.150

109E1737 4 A 1	
REV	DESCRIPTION
A	000283 <i>modified 8-10-83</i>
	REVISED <i>CSL AT E-B</i>
REVISE ON CAD ONLY	
US PART: 109E1737S1-4PRT	

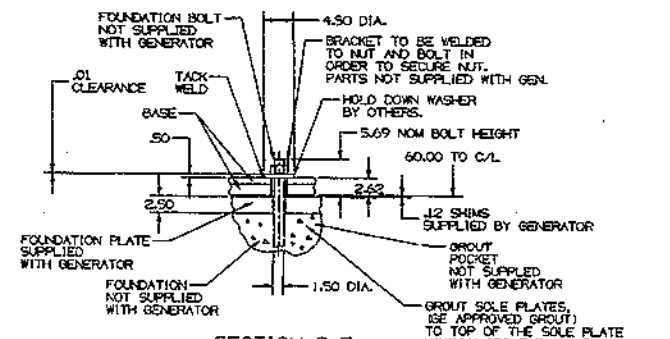


DETAIL G-8
D-7, SH-21

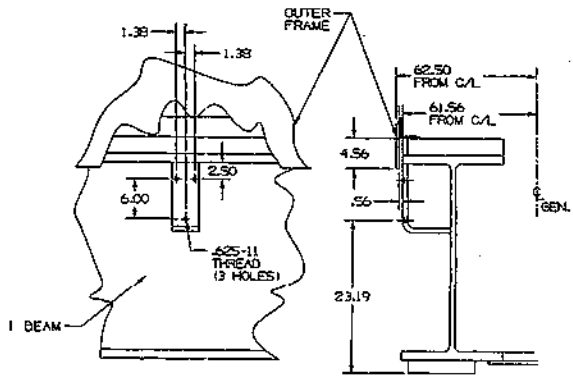


DETAIL G-6
D-4, SH-21

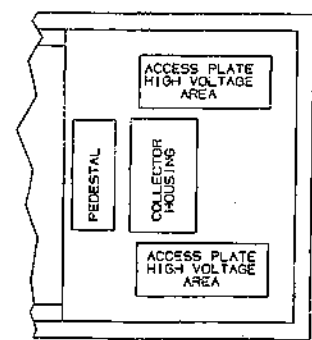
VIEW G-5
D-61



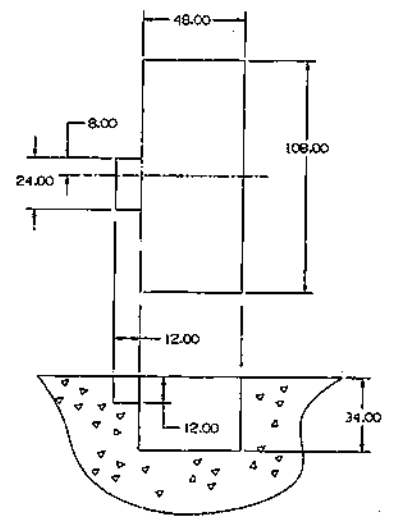
SECTION D-7
F-7, SH-21
BOLTS OF GEN FEET TO FOUNDATION PLATES



DETAIL D-5
IC-3, C-4, SH-11
PLATFORM MOUNTING PAD



SECTION A-7
IC-3, SH-11



DETAIL A-5
IF-5, SH-21
CABLE ACCESS TRENCH
RECOMMENDED MINIMUM TRENCH DIMENSIONS SHOWN

GENERAL NOTES

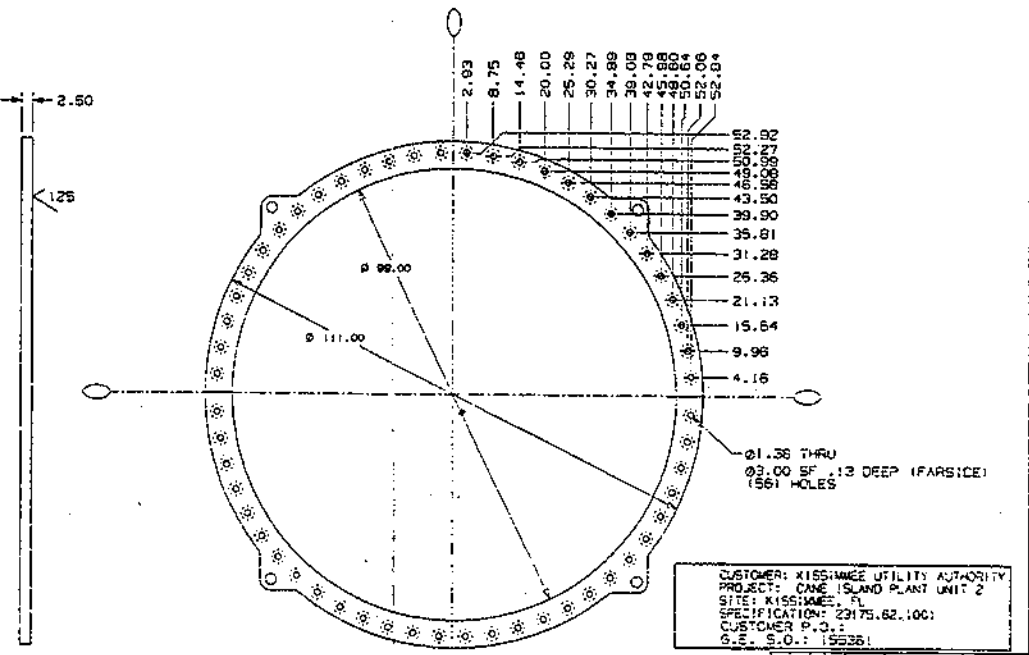
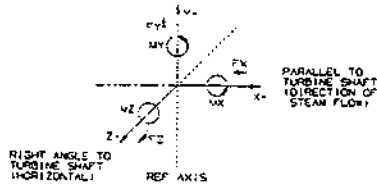
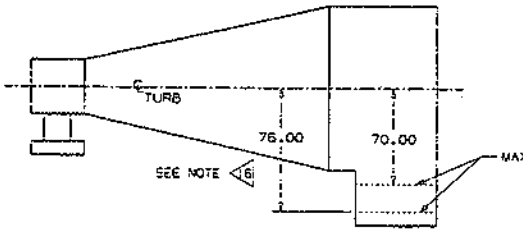
1. FLEXIBILITY MUST BE PROVIDED IN ALL CONNECTIONS TO PREVENT TRANSMISSION OF EXCESSIVE STRAINS TO TURBINE. PIPING ALLOWABLE FORCES AND MOMENTS PER SHEET 8.
2. MINIMUM PIPE SIZES RECOMMENDED FOR SHORT DIRECT RUNS OF PIPE ARE: STEAM INLET 10 INCHES DIA; STEAM EXHAUST 98 INCHES; EXACT SIZES TO MAINTAIN CONTRACT CONDITIONS AT THE TURBINE CONNECTIONS TO BE DETERMINED BY CUSTOMER.
3. CUSTOMER TO CHECK RATING, STEAM INFORMATION, ROTATION AND DIRECTION OF EXHAUST.
4. A. VALVE STEM LEAK-OFFS SHOULD BE CONNECTED TO SEWER OR ATMOSPHERE WITHOUT POSITIVE HEAD OR SHUT OFF VALVES. LINES MAY BE MANIFOLDED PROVIDED TOTAL AREA IS EQUAL TO SUM OF INDIVIDUAL LEAK-OFF LINES.
B. STOP VALVE ABOVE SEAT DRAINS SHOULD BE RUN THROUGH INDEPENDENT PIPE LINES AND CONNECTED TO ATMOSPHERE IN EACH LINE.
C. STOP VALVE BELOW SEAT DRAINS SHOULD BE RUN THROUGH INDEPENDENT PIPE LINES AND CONNECTED TO MAIN CONDENSER IN EACH LINE.
D. ALL OTHER DRAINS SHOULD BE INDEPENDENTLY RUN AND SHOULD BE CONNECTED TO CONDENSER WITH A SHUT OFF VALVE IN LINE.
5. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
6. CUSTOMER CONNECTION LOCATIONS ARE WITHIN ±1.00 INCH, UNLESS OTHERWISE SPECIFIED.
7. OPTICAL ALIGNMENT PADS ARE PROVIDED ON THE TOP RAIL OF THE BASE FOR INSTALLATION, LEVELING AND ALIGNMENT. SEE INSTRUCTION BOOK FOR DETAILS.
8. THE LUBRICATION AND HYDRAULIC OIL IS A PREMIUM GRADE MINERAL BASED INHIBITED LIGHT TURBINE OIL, ISO SSO @ 100°F. SEE INSTRUCTION BOOK FOR DETAILS.
9. OIL TANK CHARGE CAPACITY IS APPROXIMATELY 1365 U.S. GALLONS.
10. IF THIS OUTLINE IS COMBINED WITH OTHER DRAWINGS, ALL NOTES MUST BE INCLUDED ON COMBINED DRAWINGS AS THESE COMMENTS ARE VITAL TO THE PROPER AND SAFE OPERATION OF THE TURBINE AND DRIVEN EQUIPMENT.
11. FOR ADDITIONAL DATA, REFERENCE THE FOLLOWING DRAWINGS:
GENERATOR OUTLINE 109E1737
P.A. TO 8777A54D155361
BILL OF MATERIAL 8777A23A155361
GLAND CONDENSER SYSTEM 70A55A10072
OIL PURIFIER DRAWING
ELECTRICAL OUTLINE 8777A375155361
LIFTING ARRANGEMENT 8777A09E155361
GENERATOR INTERCONNECT DIAGRAM 109E2510
APPEARANCE LAGGING 155A962RA
12. DOWEL HOLES SHOULD BE REAMED AND ALIGNMENT DOWELS FITTED AFTER FINAL ALIGNMENT.
13. REMOVED
14. THE NOTES FOR CONSTRUCTION OF FOUNDATION ARE GE'S STANDARD RECOMMENDATION FOR FOUNDATION CONSTRUCTION. IT IS THE PURCHASER'S RESPONSIBILITY TO ASSURE ADEQUACY OF DESIGN.
15. THE PURCHASER IS TO PROVIDE THE FOLLOWING:
A. A RIGID AND SUBSTANTIAL FOUNDATION, FOUNDATION BOLTS AND NUTS.
B. SHIMS AND ALL FOUNDATION HARDWARE.
C. ALL PIPING, VALVES, FITTINGS, BOLTS, STUDS, NUTS, GASKETS AND FLANGES TO CUSTOMER CONNECTIONS SHOWN WITH ALL DRAIN PIPING ARRANGED TO AVOID FORMATION OF POCKETS OR WATER LEGS.
D. AN EXHAUST RELIEF VALVE ADJUSTED TO START RELIEVING AT NOT MORE THAN 5 PSIG AND GIVE FULL RELIEF TO 392805 LB/HR AT NOT MORE THAN 10 PSIG. THIS VALVE MUST BE INSTALLED BETWEEN THE TURBINE AND THE FIRST SHUT-OFF VALVE IN THE EXHAUST LINE. (NO EXHAUST RELIEF VALVE IS FURNISHED)
E. UNCONTROLLED EXTRACTION (WHEN USED)
1. TWO NON RETURN VALVES MUST BE INSTALLED IN SERIES IN THE CUSTOMER'S PIPING. THE FIRST NON RETURN VALVE MUST BE INSTALLED IN A HORIZONTAL POSITION LOCATED WITHIN 15 FEET OF THE TURBINE EXTRACTION FLANGE. THE SECOND NON RETURN VALVE MUST BE LOCATED NO MORE THAN 3 FEET DOWNSTREAM OF THE FIRST.
2. REMOVED
F. ACCESS HOLES CUT IN THE NEMA 4 ELECTRICAL BOXES FOR CUSTOMER RUN WIRING, CONDUIT AND FITTINGS.
G. REMOVED
H. STEAM ADMISSION
1. THE 1ST ADMISSION VALVE MUST BE INSTALLED IN THE CUSTOMER'S PIPING WITHIN 25 FEET OF PIPE RUN OF THE TURBINE ADMISSION FLANGE. THE VALVE MUST BE INSTALLED IN A HORIZONTAL RUN OF PIPE.
2. REMOVED
3. THE ADMISSION STOP & INDUCTION VALVES ARE TO BE INSTALLED SO AS TO PROVIDE POSITIVE DRAINING FROM THE HYDRAULIC TRIP CYLINDER BACK TO THE OIL TANK.
I. HEAT RETENTION MATERIAL (BLANKET TYPE) IS SUPPLIED FOR THE TURBINE CASING (EXCLUDING EXHAUST) ONLY. INSULATION IS NOT PROVIDED FOR TTVS, NRVS OR STEAM SEAL AND DRAIN PIPING.
J. UNLESS OTHERWISE SPECIFIED, ALL PIPING BETWEEN THE TURBINE AND GENERATOR WILL REQUIRE A FIELD FIT.
K. THE CONDENSATE LEVEL IN THE CONDENSER HOTWELL SHOULD NOT BE PERMITTED TO RISE TO A LEVEL WITHIN 75" BELOW THE TURBINE CENTERLINE AT THE ALARM POINT & 70" BELOW THE TURBINE CENTERLINE AT THE TURBINE TRIP POINT.

TURBINE WEIGHTS		POUNDS
SHIPPED WEIGHTS	TOTAL WEIGHT OF ASSEMBLED TURBINE INCLUDING CASINGS, DIAPHRAGMS, ROTOR, FRONT STANDARD, VALVE GEAR, PIPING, BASE	140505
	STL / TRIP THROTTLE VALVE	7000
FOR MAINTENANCE PURPOSES	UPPER HALF, H.P. HEAD, EXHAUST CASING, INCLUDING DIAPHRAGMS, VALVE GEARS	26119
	ROTOR (INCLUDING NOZZLE BOX)	22692

TABLE OF FREE TURBINE EXPANSION

	X	Y	Z
H.P. SHAFT	-0.013	0.011	0.000
L.P. SHAFT STEADY STATE	0.656	0.039	0.000
TRANSIENT	0.525 TO 0.655	0.000 TO 0.030	0.000 TO 0.000
INLET (CON A)	0.131	0.382	0.550
EXHAUST (CON B)	0.651	0.020	0.000
1ST EXTR (AF)	0.255	-0.192	0.000
1ST ADM (AC)	0.440	-0.145	0.000
HP SHAFT TRANSIENT	-0.016 TO -0.013	0.000 TO 0.000	0.000 TO 0.000

TURBINE STEAM INFORMATION	
LOAD (KW)	43205.0
INLET PRESSURE (PSIG)	897.0
INLET TEMPERATURE (°F)	959.0
EXHAUST PRESSURE (IN HGA)	2.0
R.P.M.	3600.0



DETAIL OF EXHAUST FLANGE "AB"

REVISE ON CAD ONLY
UG PART: 8777A01E155361-2.PRT

A.D.R. TULLIANO
 DEL. 15.5.2 AND HOLD DOWN BOLTS AND COWLES FOR THE GEARBOX FROM NOTE 13. DEL. NOTE 15.5.2. THE CUSTOMER PIPE SUPPORT SYSTEM TO INCLUDE A SUPPORT DESIGNED FOR THE FIRST NON RETURN VALVE WEIGHING 7000 POUNDS AND THE SECOND WEIGHING 1000 POUNDS. DEL. NOTE 15.5.2. THE CUSTOMER PIPE SUPPORT SYSTEM SHOULD INCLUDE A SUPPORT ADJACENT TO THE TURBINE INLET CONNECTION DESIGNED FOR A TRIP THROTTLE VALVE WEIGHT OF POUNDS. NOTE 15.5.2. WAS THE ADMISSION TTV MUST BE INSTALLED IN THE CUSTOMER'S PIPING WITHIN 25 FT OF PIPE RUN OF THE TURBINE ADMISSION FLANGE. THE VALVE MUST BE INSTALLED IN A HORIZONTAL RUN OF PIPE WITH THE HAND WHEEL STEM THE VALVE STEM IF HORIZONTAL WILL POINT DEL. NOTE 15.5.2. THE ADMISSION TRIP THROTTLE VALVE MUST BE LOCATED SO IT IS ACCESSIBLE BY THE TURBINE OPERATOR FOR MACHINE START-UP AND SHUT DOWN. NOTE 15.5.2. WAS THE TTV IS TO BE INSTALLED SO TO PROVIDE DEL. 1ST LNC EXTR PRESS FROM TURB STEAM INFO TABLE. ADDED TURB EXPANSION DATA. ADDED 125 FINISH TO EXH FLANGE FACE. REV SH 2.4 & 8.

D.A. COLLON 94/02 D.A.C. 725
 TUBE #15 (4-3/4) ADDED 10E1737, 70A55A10072 & 10E2670 TO NOTE 11 (E-8). ADDED 5 PSIG, 10 PSIG & 392805 TO NOTE 15D (D-8).

C. D.A. COLLON 94/03 D.A.C. 730
 THIS REV SH 2-7.

D.A. COLLON 94/06 D.A.C. 715
 DELETED NOTE 15 TO FINISH SHIMS, HOLD DOWN BOLTS, COWLES AND JACKING SCREWS FOR HORIZ AND VERT POSITIONING OF THE TURB ON THE BASEPLATE. DELETED "SOLDIERS" FROM NOTE 15. ADDED CUSTOMER TO NOTE 15C. THIS REV 94.4.5.2.8

DATE: 08/11/93
 DRAWN BY: JAMES G. SPENCER
 CHECKED BY: JAMES G. SPENCER
 APPROVED BY: JAMES G. SPENCER
 TITLE: OUTLINE (FINAL)
 PROJECT: 8777A01E155361
 SHEET: 2 OF 2

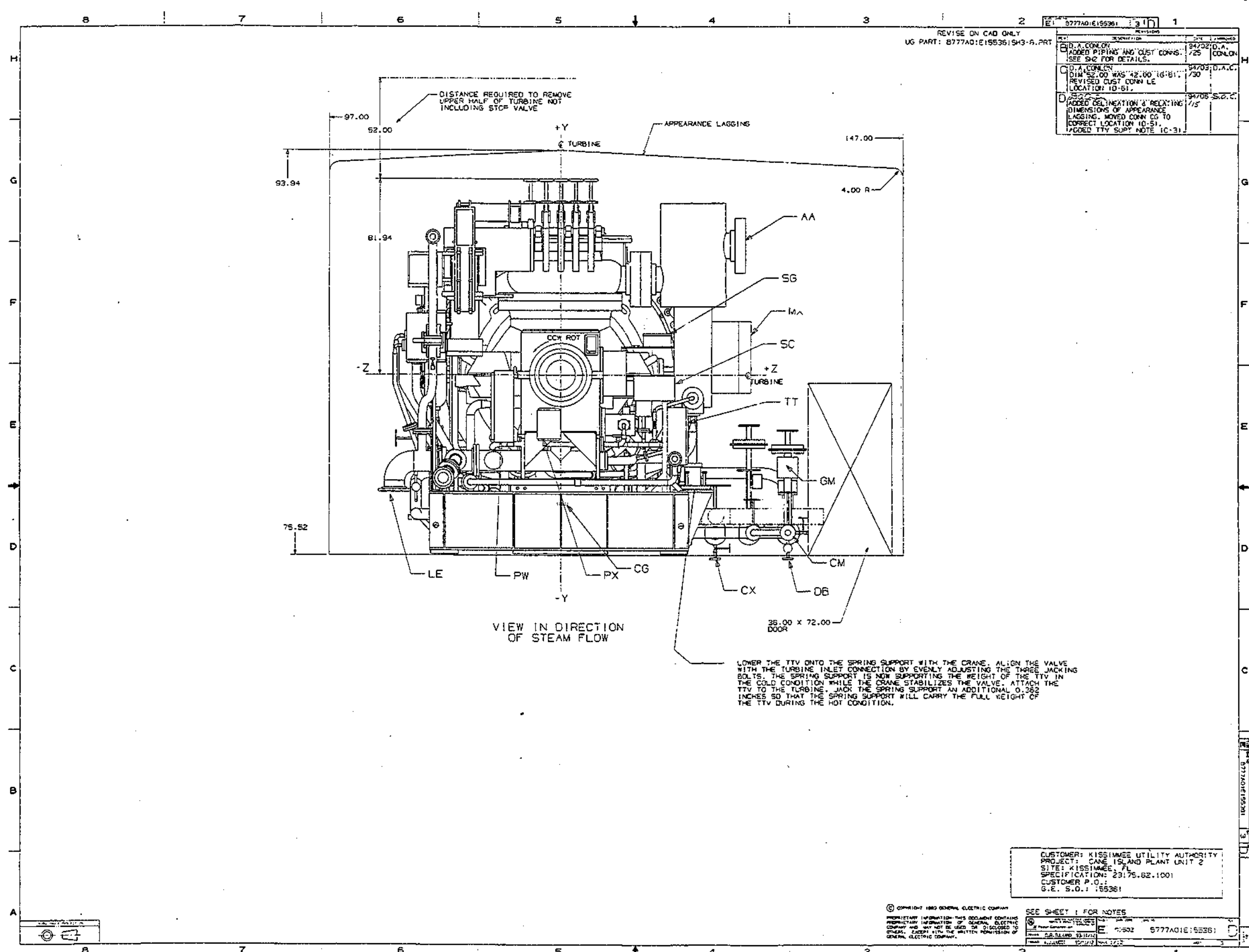
REVISE ON CAD ONLY
 UG PART: B777AC1E155361SH1-2.PRT

DATE	APPROVED
08/11/2010	J. R. TULLIANO
IDENTIFIED ALL CONN EX A. CEPT AA, AB, AC, GA, AA WAS 99/11/20 P X1-242.63 Y1-5.5 Z1-31.25 AC WAS Y1-43.5.	
D.O.A. CONDN CONN AA Y DIM 54.13 WAS 26.13 1/25 CONN WA WAS DY, WB WAS DZ, DM WAS WC, ON WAS WD, DP WAS WE, JOO WAS WF, JAZ WAS JAI, LE WAS JBI, LF WAS JB3 & JCB WAS JCI ADDED CUST LOCATIONS FROM AX (FROM VZ).	
D.O.A. CONDN CONN AK FLG SIZE WAS 1.00 1/30 CONN CX, X WAS 96.00, CONN LE, Y WAS 36.00 & Z WAS 35.00.	
D.O.A. CONDN CONN OF ADDED 1.00 6004, X WAS 0.00, Y WAS 0.00.	

CUSTOMER CONNECTIONS				LOCATION OF CONNECTIONS			REMARKS
STEAM	NPT	FLG SIZE	ANSI CLASS	X	Y	Z	
AA	STOP VALVE INLET	10.0	1500	-182.94	54.13	79.25	
AB	EXHAUST	56.0		0.00	0.00	0.00	
AC	FIRST ADMISSION	12.0	3001	-130.94	-44.25	0.00	
AF	FIRST EXTRACTION (UNCONTROLLED)	6.0	800	-183.31	-32.00	2.00	
AK	STOP VALVE HP STEAM LEAKOFF	1.5	1500	-181.94	34.13	64.25	
AL	TRIP THROTTLE (STOP) VALVE LP STEAM LEAKOFF	1.0	1500	-181.94	30.00	56.75	
AM	STOP VALVE ABOVE SEAT DRAIN	1.0	1500	-146.75	49.13	56.75	
AN	STOP VALVE BELOW SEAT DRAIN	1.0	1500	-146.75	35.89	49.25	
CP	FIRST STAGE CASING DRAIN	1.0	800	-183.31	-49.13	0.00	
CG	JAMPER PIPE DRAIN	0.75	200	-178.03	-54.36	0.75	
CV	STEAM SEAL SUPPLY/MAKEUP	2.0	300	-255.30	-66.00	97.25	
CX	STEAM SEAL RE-ENTRY DRAIN FROM DUMP VALVE	0.75	300	-109.50	-77.19	66.22	
DA	STEAM SEAL PIPING TO GLAND CONDENSER	6.0	300	-146.00	-59.00	56.00	
DB	STEAM SEAL DRAIN	0.75	300	-172.44	-77.19	97.25	
DM	BASKET TAP	1.00		-8.44	-7.00	49.63	
DN	BASKET TAP	1.00		-8.44	-7.00	49.63	
DO	BASKET TAP	1.00		-8.50	25.13	43.51	
DP	BASKET TAP	1.00		-8.50	25.13	43.51	
WA	MOISTURE DRAIN	6.0	150	-26.97	-63.75	0.00	
WB	MOISTURE DRAIN	3.0	150	-26.97	-64.91	0.00	
OIL							
JAZ	LUBE OIL SUPPLY	3.0	150	-154.44	-55.00	-55.00	
JC2	CONTROL (HYDRAULIC) OIL SUPPLY	2.5	300	-103.81	40.00	-55.00	
JE1	CONTROL (HYDRAULIC) OIL TRIP HEADER SUPPLY	1.5	300	-230.50	0.00	55.00	
JF1	CONTROL (HYDRAULIC) OIL TRIP HEADER SUPPLY	0.5	300	-222.00	30.00	50.44	
JJ1	GENERATOR LUBE OIL SUPPLY	2.0	150	-252.31	-45.00	-37.50	
JJ2	GENERATOR LUBE OIL SUPPLY	2.0	150	-278.75	-35.00	46.00	
JK1	GENERATOR DRAIN	4.0	150	-278.75	-43.30	-49.00	
JK2	GENERATOR DRAIN	4.0	150	-240.50	-35.94	-43.61	
JL1	GENERATOR DRAIN VENT	2.0	150	-278.75	57.62	-53.50	
JL2	GENERATOR DRAIN VENT	3.0	150	-248.61	13.22	-53.50	
LE	LUBE DRAIN	8.0	150	-228.50	-49.00	-62.75	
LF	LUBE DRAIN	4.0	150	-93.31	-44.13	-55.00	
AIR #12.00							
GO	TRIP SIGNAL TO NON-RETURN VALVES	0.75		-233.31	-11.66	35.50	
GL	SUPPLY TO TRIP RELAY	0.75		-230.50	-12.13	38.21	
GM	SUPPLY TO STEAM SEAL SUPPLY AND DUMP VALVE	0.25		-224.00	-35.00	93.00	
ELECTRICAL #12.00							
MX	STOP VALVE TERMINAL BOX			-181.06	-7.53	73.03	*1, *2
PD	INLET CONTROL VALVE TERMINAL BOX			-216.44	37.69	-57.50	*1
PV	EXHAUST END TERMINAL BOX			-12.75	-27.75	-53.31	*1
PW	MAIN TERMINAL BOX			-239.63	-28.25	-23.81	*1
PX	HP VIB DETECTOR, ROTOR POSITION AND KEYPH			-256.00	-26.63	-5.00	*1
SC	TURBINE GEAR MOTOR	0.75		-223.06	-4.61	30.25	
SG	TURBINE GEAR AND LP END ACCESSORIES			-342.63	17.65	30.75	*1
SP	STEAM PRESS TRANSMITTER TERM BOX			-196.44	-21.53	49.63	*1
TT	TURBINE INSTRUMENTATION, HP END			-249.00	-37.50	50.44	*1
TV	TURBINE INSTRUMENTATION, LP END			-12.75	-27.75	53.21	*1
VM	H.P. BRG DRAIN RTD	0.50		-221.68	-38.50	-29.00	
VN	L.P. BRG DRAIN RTD	0.50		-93.31	-29.13	-45.25	
VZ	ADMISSION STEAM RTD	0.50		-130.94	-37.69	-21.75	

*1 COORDINATE LOCATIONS ARE TO BOTTOM CENTER OF BOX
 *2 121 Ø1.38 HOLES FOR 1.00 CONDUIT IN BOTTOM OF BOX

CUSTOMER: KISSIMMEE UTILITY AUTHORITY
 PROJECT: CAINE ISLAND PLANT UNIT 2
 SITE: KISSIMMEE, FL
 SPECIFICATION: 22175.62.1001
 CUSTOMER P.O. #
 G.E. S.O. # 155361



REVISE ON CAD ONLY
UG PART: 8777A01E155361S43-5.PRT

REV	DESCRIPTION	DATE	BY	CHKD
1	D.A. CONLON ADDED PIPING AND CUST CONNS. SEE S42 FOR DETAILS.	94/02	D.A. CONLON	
2	D.A. CONLON DIM 52.00 WAS 42.00 16" B1. REVISED CUST CONN LE LOCATION 10-51.	94/03	D.A. CONLON	
3	D.A. CONLON ADDED DELINEATION & RELATING DIMENSIONS OF APPEARANCE LAGGING. MOVED CONN 60 TO CORRECT LOCATION 10-51. ADDED TTY SUPP NOTE 10-31.	94/05	S.Z.C.	

DISTANCE REQUIRED TO REMOVE
UPPER HALF OF TURBINE NOT
INCLUDING STOP VALVE

VIEW IN DIRECTION
OF STEAM FLOW

LOWER THE TTV ONTO THE SPRING SUPPORT WITH THE CRANE. ALIGN THE VALVE WITH THE TURBINE INLET CONNECTION BY EVENLY ADJUSTING THE THREE JACKING BOLTS. THE SPRING SUPPORT IS NOW SUPPORTING THE WEIGHT OF THE TTV IN THE COLD CONDITION WHILE THE CRANE STABILIZES THE VALVE. ATTACH THE TTV TO THE TURBINE. JACK THE SPRING SUPPORT AN ADDITIONAL 0.362 INCHES SO THAT THE SPRING SUPPORT WILL CARRY THE FULL WEIGHT OF THE TTV DURING THE HOT CONDITION.

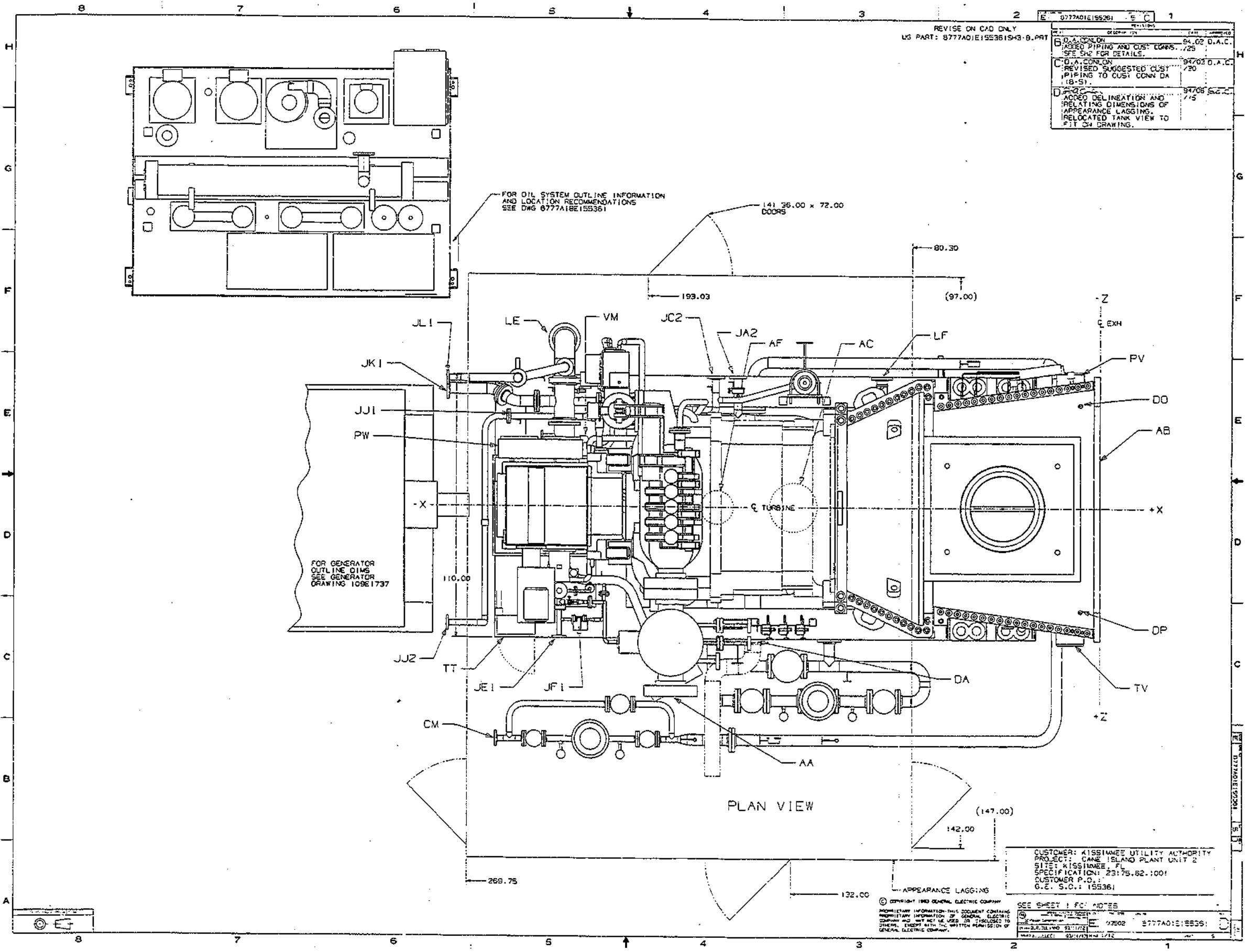
CUSTOMER: KISSIMMEE UTILITY AUTHORITY
PROJECT: CAPE ISLAND PLANT UNIT 2
SITE: KISSIMMEE, FL
SPECIFICATION: 23175.62.1001
CUSTOMER P.O.:
G.E. S.O.F.: 155361

© COPYRIGHT 1993 GENERAL ELECTRIC COMPANY
PROPRIETARY INFORMATION THIS DOCUMENT CONTAINS
INFORMATION OF GENERAL ELECTRIC
COMPANY AND MAY NOT BE USED OR DISCLOSED TO
OTHERS WITHOUT THE WRITTEN PERMISSION OF
GENERAL ELECTRIC COMPANY.

SEE SHEET 1 FOR NOTES

DATE: 94/02
BY: D.A. CONLON
CHKD: S.Z.C.

8777A01E155361



REVISE ON CAD ONLY
 US PART: 8777A01E155361-8.PRT

REV	DATE	BY	CHKD	DESCRIPTION
1	04/02/00	D.A. CONLON		ADDED PIPING AND CUST. CONNS. SEE SHEET FOR DETAILS.
2	04/02/00	D.A. CONLON		REVISED SUGGESTED CUST. PIPING TO CUST. CONN. DA (18-51).
3	04/08/00	D.A. CONLON		ADDED DELINEATION AND RELATING DIMENSIONS OF APPEARANCE LAGGING. RELOCATED TANK VIEW TO FIT ON DRAWING.

FOR GENERATOR
 OUTLINE DIMS
 SEE GENERATOR
 DRAWING 109E1737

FOR OIL SYSTEM OUTLINE INFORMATION
 AND LOCATION RECOMMENDATIONS
 SEE DWG 6777A1BE155361

141 36.00 x 72.00
 DOORS

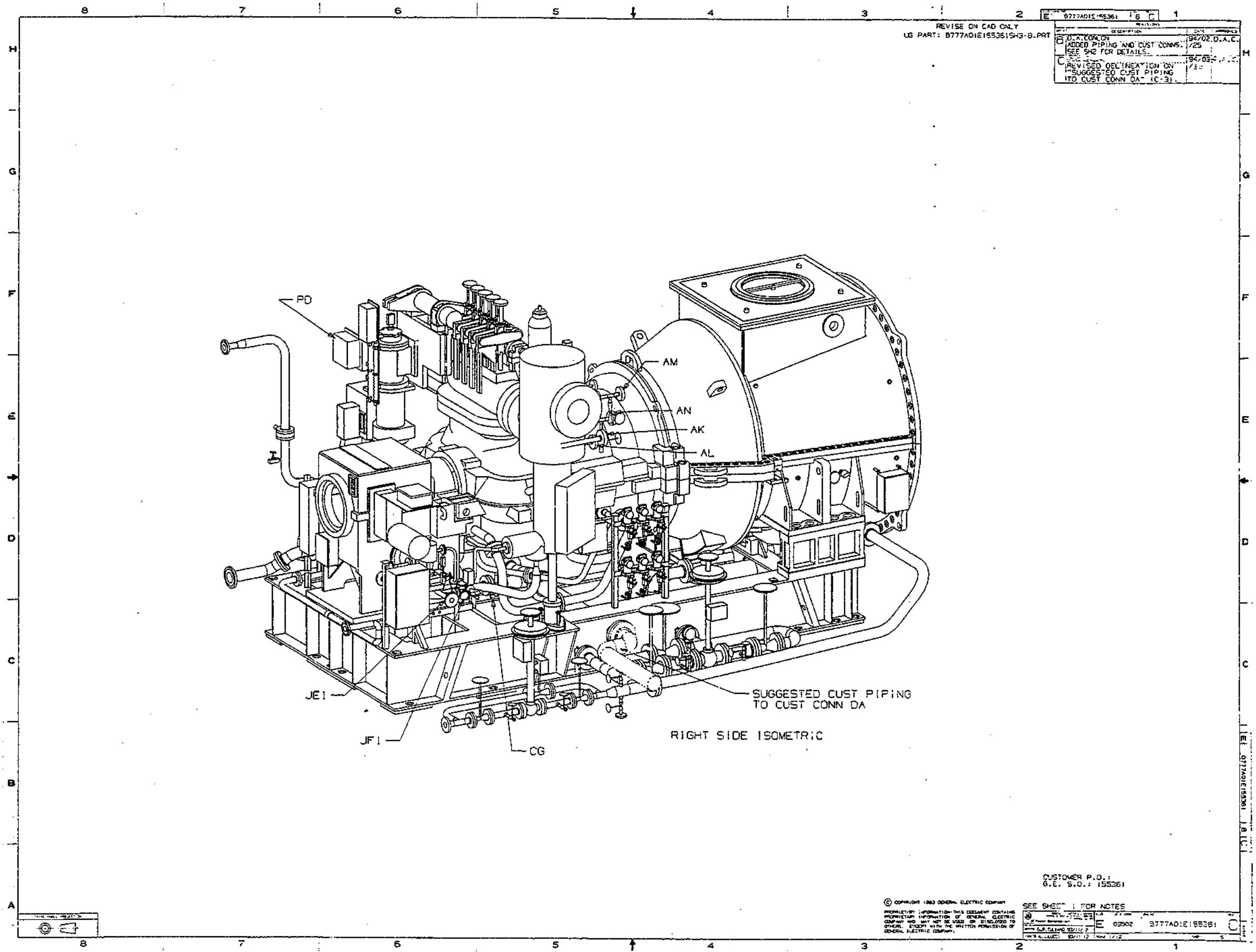
PLAN VIEW

APPEARANCE LAGGING

CUSTOMER: KISSIMMEE UTILITY AUTHORITY
 PROJECT: CAPE ISLAND PLANT UNIT 2
 SITE: KISSIMMEE FL
 SPECIFICATION: 23175.62.1001
 CUSTOMER P.O.:
 G.E. S.C.: 155361

SEE SHEET 1 FOR NOTES
 COPYRIGHT 1983 GENERAL ELECTRIC COMPANY
 PROPRIETARY INFORMATION - THIS DOCUMENT CONTAINS
 PROPRIETARY INFORMATION OF GENERAL ELECTRIC
 COMPANY AND MAY NOT BE USED OR REPRODUCED IN
 WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF
 GENERAL ELECTRIC COMPANY.

8777A01E155361
 02502
 8777A01E155361



REVISE ON CAD ONLY
 US PART: B777A01E155361S43-B.PRT

REV	DESCRIPTION	DATE	BY
1	ISSUED	1970E.D.A.C.	
2	ADDED PIPING AND CUST CONNS. SEE 9-C FOR DETAILS.	7/25	
3	REVISED OELINEATION ON SUGGESTED CUST PIPING ITO CUST CONN DA (C-3).	9/2/03	

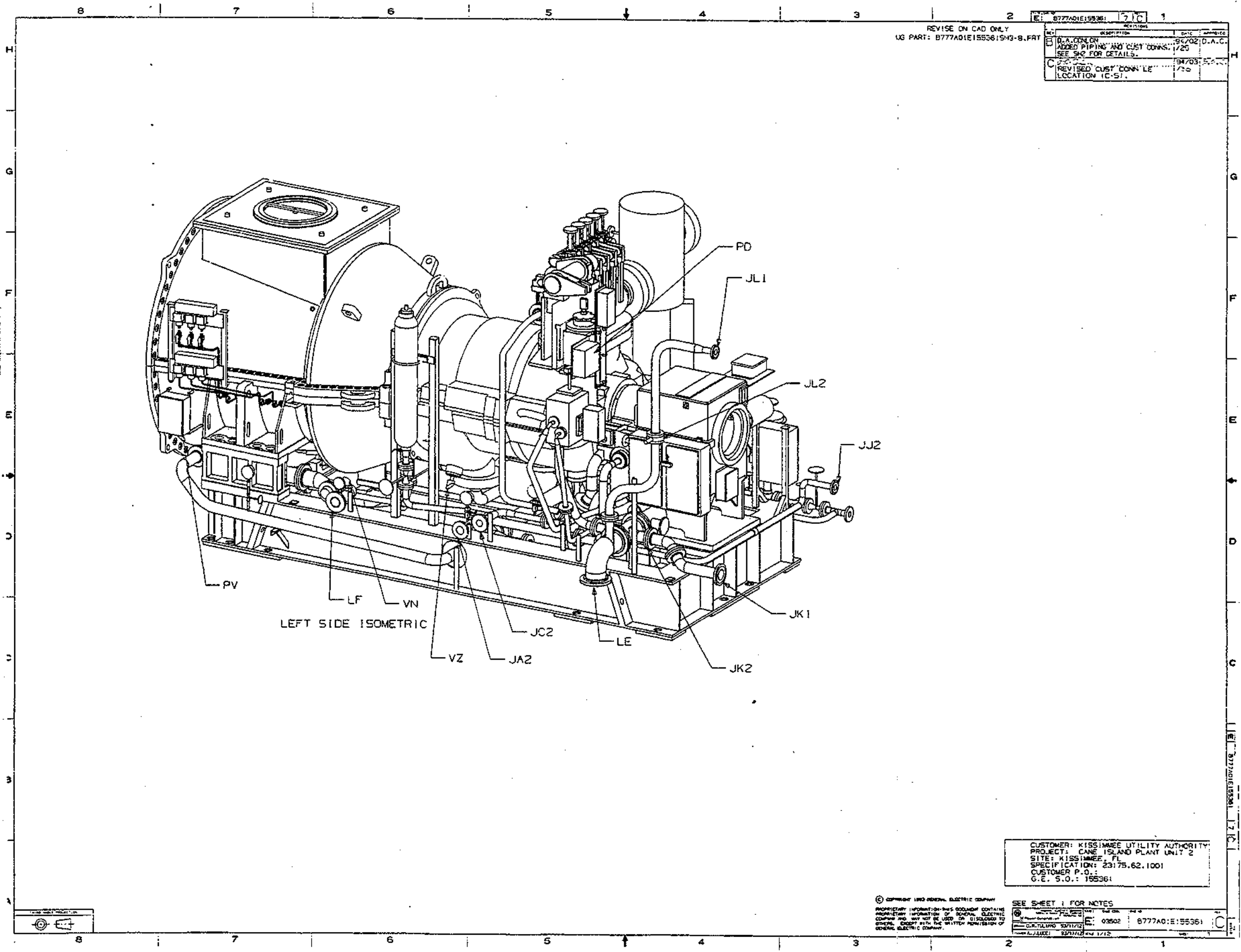
RIGHT SIDE ISOMETRIC

SUGGESTED CUST PIPING TO CUST CONN DA

CUSTOMER P.O.:
 G.E. S.O.: 155361

© COPYRIGHT 1983 GENERAL ELECTRIC COMPANY
 PROPRIETARY INFORMATION - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

SEE SHEET 1 FOR NOTES	
02502	B777A01E155361
REVISED 02/11/72	



REVISE ON CAD ONLY
 US PART: B777A01E155361S43-B.FRT

REV	DESCRIPTION	DATE	BY	CHKD
B	D.A. CONN ON ADDED PIPING AND CUST CONNS. SEE S4C FOR DETAILS.	09/02/02	D.A.C.	
C	REVISED CUST CONN'LE LOCATION (C-5).	09/03/02		

LEFT SIDE ISOMETRIC

CUSTOMER: KISSIMEE UTILITY AUTHORITY
 PROJECT: CAPE ISLAND PLANT UNIT 2
 SITE: KISSIMEE, FL
 SPECIFICATION: 23175.62.1001
 CUSTOMER P.O.:
 G.E. S.O.: 155361

© COPYRIGHT 1992 GENERAL ELECTRIC COMPANY
 PROPRIETARY INFORMATION - THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.
 SEE SHEET 1 FOR NOTES
 03502 B777A01E155361