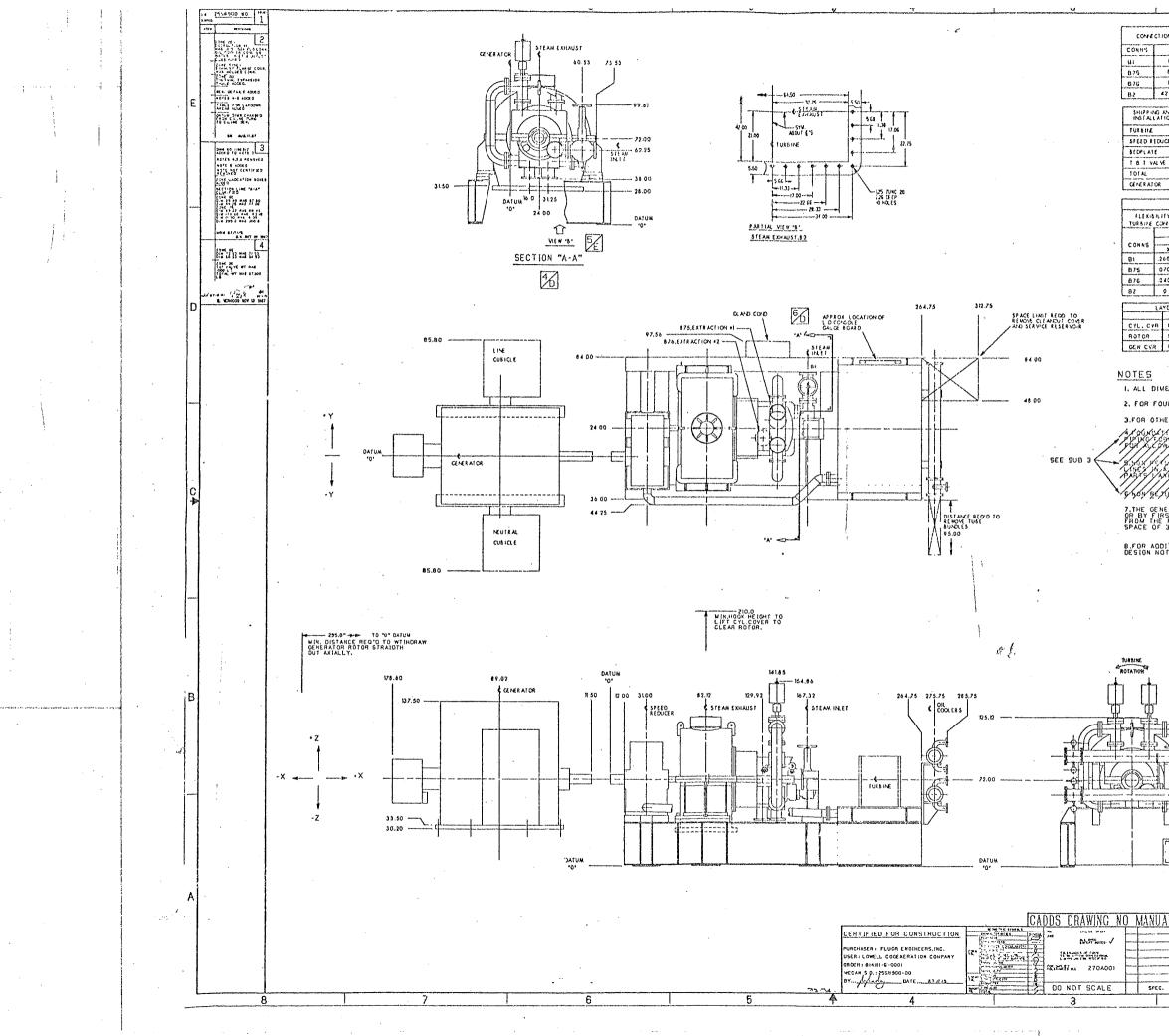




DRAWING NO MANUAL CHANGES	ALL	DWED		ALT WERE THE AT A THE ARE A PARTICULAR AND A			
			ALTER O	LATERT P THAT	Westingtrese Canada Inc.	Ŵ	
					EM-25 STEAM TURBINE LONGITUDINAL SECTION		
	6	X I	Ē	IN ANY	ATT . NICH INTER AND THE SHORE SHE	-	
	l		1	7344 T 77444	119E939	01	



	<u>Lu</u>	L	*****	L		٦.1	•	1
	a, yyay penyi ada panlarahapan karan dala bara (demograda							ſ
SIZE	67 CUSTO4ER #+0 #	DESCRIPTON	· · · · · · · · · · · · · · · · · · ·	1. mei 11. 1				
6 00-100+	STEAM INEET							in the second
8 00-150+	EXTRACTION #2							الالتناك
200 X 64 50	STEAR EXHAUST-SE	E VIEW. "B"						
ND ION WEIGHTS	MUNTENANCE	WEIGHTS ILBS	<u> </u>			E		. 8
10N WEIG-TS	TURSINE ROLOR		683				•	a state
CER. 9700	TURSINE CYLUCC	COVER 14	000					
15600 E 1600	SPEED REDUCER I	a supplicing to an interest the set	664					
67300	CENE STATOR INC. SEE NOTE 7		000	:				Y
44000	· · · · · · · · · · · · · · · · · · ·	······	السر منب سیر .	i				
	AL EXPANSIONS							لخلمهمانك
TY OF PUTCHASES	O POSITION AT OPER	OATE HOVENENT	Cr IVRE					j
STEADY STA	EXTANSION	TRANSIENT						
X Y 20 750	035 .310	250 -	2 015	1				Ť
70 .020	- 890 .72	.010 .	040					and the second
40020 0 0	-060 085		015			Ιí		
YDGAN AREA			1000 dy 1 agustus d			D		
1.8NDT-1 W:0								1000
120.00 53.							·	and the second se
001 00 051	,00							
								ويتراولون
ENSIONS 1.25	IN ANY DIRECT	ICN.						
	TAILS SEE DWO.						·	· .
	A CONNS. SEE C							 attack in
the states	61 # /46d /4	Arry Ary	M////					and the second
		14 X S S S S	(7)					
h h h h h h h h h h h h h h h h h h h h	1 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	k ef sk ky King sk ky		3			4	18 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
97////			11111					
	くちょくちょうちょうちょう				· .	C		H.
ERATOR ROTO	OR MAY BE RENG 5 THE STATOR H 16 LATTER OPTH 18 DEG 0 TO	NED WITH : ATH THE RO	THE GENERATOR	IN SITU,				-
300 16 X 80	N IS PEO TO	SET DOWN	THE STATOR &	RENOVE THE	ROTOR.			Sec. Sec.
TTIONAL INST	RUCTIONS REFE	R ΤΟ ΟυΤL	INE SUPPLEMEN	T.				100
•								
				•.			5	are to
						Ŀ		1
				1			•.	and the second
								0-10-10-10-10-10-10-10-10-10-10-10-10-10
÷			•		•			
		54					• .	मुअपन
						В		girlicat
B							•	and the second second
<u></u> 列目								
								V
<u> </u>								
							•	-
r								The second s
								and the second se
e gana								*13.
								Ŷ
		·····				A		
<u>al Châng</u>	ES ALLUNED	ALY WILL			titels or usen			1-
	1911 bes	S DURESHI DESKI	Wasturgtenda Burgtend den inderne		AN (W)			and the second
	Z HELX	1017 1 2 1 1 2	EW25 FURBINE, SPEE	DHED.4 OF NERAT	DH XP IN	1		
	Liot A.Ve	NO 011	00 FL 141	914 mil 84		$\left\{ \right\}$		
TYPE	51.10474.04	THE FRENE ENTI	THEN FRANCES	W 1		].]		
	2			1 🛤	es es la mere	3		
						·		ł

0 54C 2 SEE SHT I B.V. 2 ONE 3 COVA FLO, A E 17 A DOED 2 ONE 30 CONN E 24 SIZE 3 CONN F24 SIZE 3 CONN F3 SNPT CONN F4 ST 75 NP WAS 25 NPT CONN F1 DOED CONN F1 DOED CONN B11 DCL. MON B7/16 DH. B. 1 
 MODULATION
 Delt

 B 7 - 11 - 06
 DH.

 ZONE 60
 4

 ZONE 60
 CONE 50

 ZONE JO
 CONE 15A/B WAS E15

 CONE 15A/B WAS E15
 CONE 16

 ZONE 20
 CONE 15A/B WAS E15

 CONE 15A/B WAS E15
 CONE 16

 ZONE 20
 CONE 15
 B. SENHOOD HOY LA 1987 SIZE OF CONN'S 5 EGO TO ESJ WERE 5 TBA. (2) MORE + 54 A (2) NOC + 54 A (2) NOC + 54 F.WESTEDT BRACK W

STEAM 
 SIZE
 FUNCTIO

 6.00-600-R.F
 T AND T VALVE INLET

 42.00 X 64.50
 EXHAUST

 .75-600-R.F
 STEAN CHEST DRAIN

 .75-600-R.F
 STEAN CHEST DRAIN
 FUNCTION COMMENTS 
 B0
 .75-600-R.F
 STEAN CREST GRAIN

 B15
 .75-600-R.F
 ABOVE SEAT DRAIN IT & T VALVEJ

 B16
 .75-600-R.F
 BELCW SEAT DRAIN IT & T VALVEJ

 B24A
 .38 NPT
 STEAN CREST GRAIN IT & T VALVEJ

 B25
 1.00-150-R.F
 BLAN COND. CONDENSATE DRAIN

 B34A
 2.00-150-R.F
 GLAND COND. CONDENSATE DRAIN

 B34A
 2.00-150-R.F
 EXX. QLAND SEAL ING STEAN SUPPLY

 B34A
 2.00-150-R.F
 INCET GLAND J.P. LOFF

 B75
 8.00-300-R.F
 PROCESS EXTRACTION

 B76
 8.00-150-R.F
 DEAERATOR EXTRACTION

CONN

		AIR		
17	.25 NPT	EXT. VALVE CONTROLLER AIR SUPPLY		
	.25 11 1			
F18	.38 NPT	GLAND CONDENSOR AIR VENT		
F I	.25 NPT	INLET VALVE ACTUATOR AIR SUPPLY		
F4/5	.75 NPT	EXT. VALVE ACTUATOR AIR SUPPLIES	•	
F7	.25 NPT	HAND VALVE ACTUATOR AIR SUPPLY		
		WATER		

D20	3.00-150+R.F	COOLING WATER INLET	
D21	3.00-150+R.F	COOLING WATER OUTLET	
022	3.00-150+R.F	COOLING WATER INLET	
DZ 3	3.00-150+R,F	COOLING WATER OUTLET	
027	3.00-150'+R.F	GLAND COND. COOL ING WATER SUPPLY	
D28	3.00-150+R.F	GLAND COND. COOLING WATER DISCHARGE	

OIL

C 44	4.00-0.D	DISCHARGE FROM OIL VAPOUR EXTRACTOR	SEE DETAIL B,NOTE 2
C 45	2.0 NPT	RESERVOIR ORAIN	

0.01111	SIZE	FUNCTION	COMMENTS
CONN		ENERGENCY OIL PUMP MOTOR	
E 47	1.00 NPT	MAIN OIL PUMP+I	
E 48	1.25 NPT	MAIN OIL PUMP #2	
E 49	1.25 NPT	DIL VAPOUR EXTRACTOR MOTOR	
E 51	.75 COND	TURNING GEAR MOTOR	
E 55	.75 COND		
E43	1.25 COND	DIL HEATER SPEED REDUCEA VIBRATION PROBES / POXIMITORS	
E23	LS NPT	SPEED REDUCER RID'S	
E22	I.S NPT		
	.5 NPT	SPEED PICKUPS TURBINE VIBRATION /AXIAL PROBES PROXIMITORS	
E 16	1.25 NPT	TURBINE BEARING RTD'S INLET END	
E 18	.75 NPT	TURBINE BEARING RTD'S INLET END	
EZI	.5 NPT		
	SCOND	TRIP SOLENOID VALVES	· · · · · · · · · · · · · · · · · · ·
E14	.5 NPT	GOVERNOR SHUT DOWN PRESS SWITCH	
E 30	.5 NPT	CONTROL SIGNAL TO INLET VALVE ACTUATOR	
E34	.5 NPT	CONTROL SIGNAL TO EXTRACTION VALVE ACTUATOR	·····
E 32	.5 NPT	QLAND SEAL STEAM PRESSURE SWITCH	
	.5 NPT	EXHAUST PRESSURE SWITCHES	
E27	5 NPT	QLAND SEAL STEAN TEWP. SWITCH	
£28	5 NPT	LIMIT SWITCH + TAT VALVE OPEN	
E 29	S NPT	LIWIT SWITCHES - TAT YALVE CLOSED	
E37	.5 COND	HANDVALVE AIR SHUTOFF SOLENDID	
E 26	REMOVEABLE LEAD PLATE		
E 36	MENOVEMBLE LEAD PLATE		
E 96	RENOVENOLE LEAD PLATE		SEE NOTE 5
E 42	RENOVERILE LEAD PLATE		
E33	REMOVENULE LEAD PLATE		
E 102		NUETRAL CUBICLE	
EIOI	SEE VIEW "X"	LINESIDE CUBICLE	SEE NOTE 4
E 61	1.00 DIA.BORE	JACKING OIL PUMP NOT TR-1, GEN DRIVE END	
E 62	1.00 DIA.BORE	JACKING OIL SYSTEM FLOW . PRESS SWITCH	1
E60	1.00 DIA.BORE	JACKING OIL PUNP MOTOR - 2, GEN EXCITER END	
E 63	1.00 DIA.BORE	JACKING OIL SYSTEN FLOW . PRESS SWITCH	
		RUNNING SWITCH, MOP-2	<u>                                       </u>
		RUNKING SWITCH, NOP-I	
		RUNNING SWITCH, EOP	
		RESEVOIR OIL LEVEL ALARN	THESE INSTRUMENTS ARE WI
	122824	RESEVOIR OIL HEATER THERMOSTAT	TO TERMINALS IN A 12X8X4
EIO	JUNCTION	HIGH DIFF PRESS SWITCH . LUBE OIL FILTERS	JUNCTION BOX. JUNCTION BO
	BOX		TO BE DRILLED, DURING FIE
	L	LOW LUBE OIL PRESS SWITCH - TRIP TURBINE	INSTALLATION, TO MATCH
		LOW LUBE OIL PRESS SWITCH ALARM	CUSTOMERS CONDUIT.
		LOW LUBE OIL PRESS SWITCH-START TURBINE GEAR	<u> </u>
		PRESS SWITCH + START STANDBY PUMP / TART EOP	
E17A	.50 NPT	SPEED INDICATOR	4

CERTIFIED FOR CONSTRUCTION ILLANCE CONTRACTOR STATE PURCHASER: FLUOR ENGINEERS, INC USER: LOWELL COGENERATION COMPANY ORDER +: 814101-6-0001 18"0 WECAN S.D. #: 2558900-00

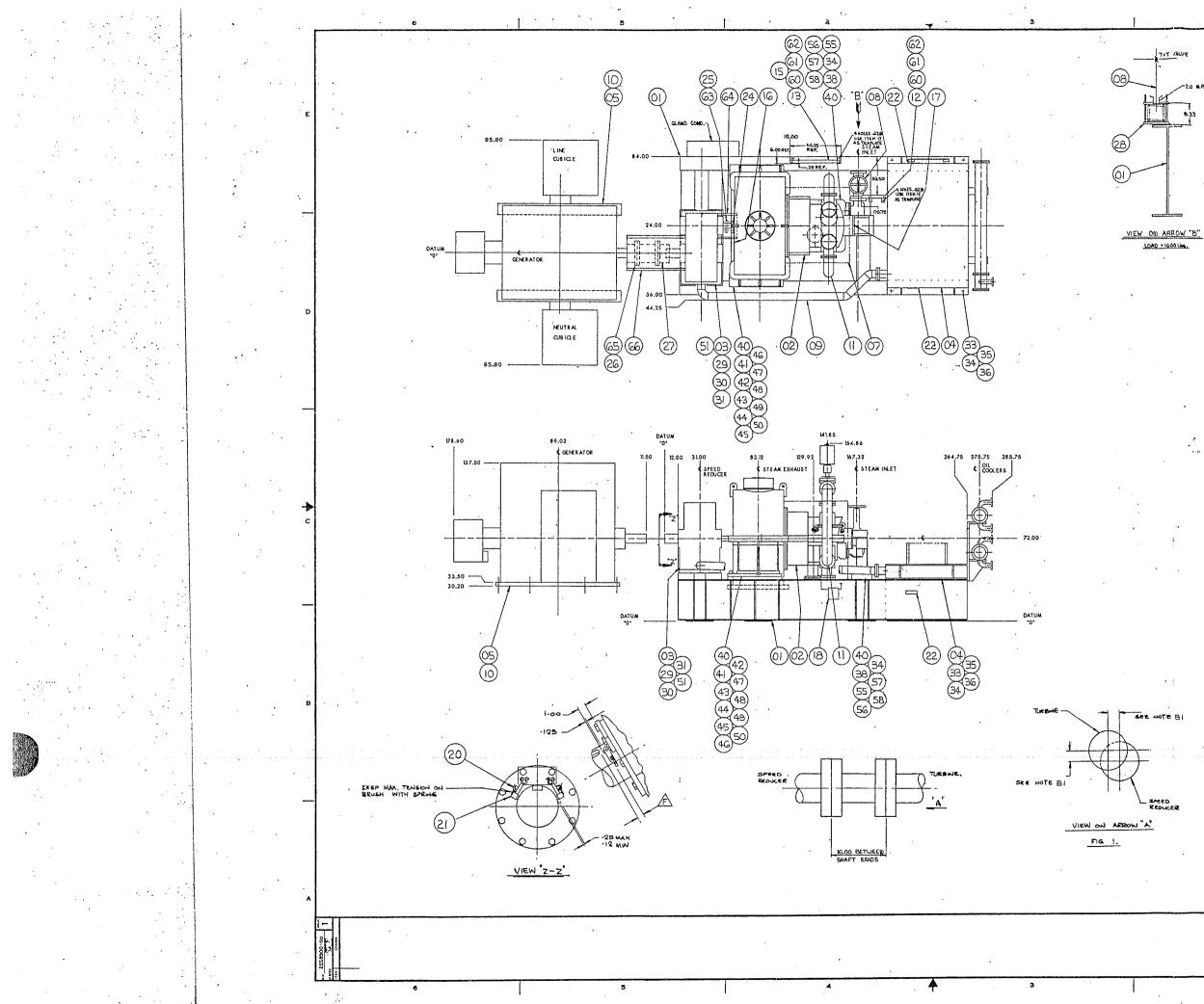
CADDS |

N 00

- 2. SEE DETAIL "8" FOR RECOMMENDED VAPOUR EXT. PIPING (BY OTHERS)
- 3. DINE MSIONAL TOLERANGE \*/\*.25" FOR CONNECTIONS 20" OR OREATER. ALL CONNECTIONS UNDER 2.0" DIMENSIONAL TOLERANGE \*/\*.10" 4. LINE TERMINAL CONSIST OF THREE COPPER 5.TRIPS 3.94 WIDE X.25 THICK OFILLED WITH-15" DDL MODE SE. TRAINEIDE CURVE ARRESTORS, ASEA BICC SUNDE CAPACITORS, CUBAC SE. TRAINEIDE CAPACITORS, CUBAC SE. TRAINEIDE CAPACITORS, CUBAC SE. TRAINEIDE CAPACITORS, CUBAC SE. TRAINE CAPACITORS, CAPACITORS, ACENTRAL CAPACITORS, CUBACITORS, CAPACITORS, CAPACI
- EXCITER FIELD TERMINALS ARE MARKED FIVE F2-VE PNG TERMINALS ARE MARKED DI F2-PMC IS FUSED WITH CARTRIDGE FUSE TO BSISG2, I IN LONG X 25 DIA, RATING 250V IDA. KLIPPON ST5 TERMINALS

DRAWING NC	) MANUAL	CHANGES	<b>3 ALLOWED</b>		CHARTEN SUPPORT	The second s	-
ANR. 62 17 14"				S.OURESHIZES	Wystingthouse Cane	de inc.	$\mathbb{M}$
ENCERTSONES V		OEM S	1,804 1,10474,01	Aghina	TURBINE AND GENERATOR DIVISIO		
100001		SEQUE.	literat	#K	PURCHASER'S	CONNECTIONS	
AL LIGADOL			0484.05,DRA EI	STUE PRIT	PATHAN NO	LIQE Q17	05
NOT SCALE	SPEC.	YPE UN	r 0,10	TANT IN ME E W25	SKAT - 114(1 2 07 2		لتسلب
~			<b>^</b>		1	1 2455 4 1	# 2304.00

В





LOAD . IGOD LA.

;\*

• •

2		· · · · · ·	,	t							
TĽ	<u></u>	******** ***				100	500 B	Charles (	-	a Lindhad	[
1		119E940 01	TURBINE PACKAG	SE ASS'	(	TUM	-	SENE	CAN	DIV MACH	
h	T <sup>1</sup>	والمحصلين ويتبع والمستعد والم	T	r	-			8.5H			
ľ	1	DEACRIMITION	SIZE - HEF, IMPORMATION	IDENTIFICATION		-		-	-		
Ľ		DEOPLATE ASS'Y	······································	3673081601	REF	Ξ		<u> </u>	Ξ.		
┢	07	TURBURE ASS'Y SPEED MEDUCER		1192938G01 1413127801	REF	RUF			i		
h	04	LUAR OIL RESERVOIR		IA10373HOI	Re≇	-					
L	04	GENERATOR		1AIO35CHOL	=	RÉF				·	
L	94							_			E
┝	07	LAGGING COVER.		3883004G01	REF	REF		┠			
ŀ	100	OIL MAINS SPEED RED. /TURBINE		196330601	REF	-		-	-		
t	10	OIL PHING GENERATOR		1196.930602	-	Res					
L	11	STEAM PIPING		196959601	REF	-					
┡	12	GAUGE BOARD AUXILIARY PAREL		3892044601 3877015601	REF	-				F	
┢	14	AUTICIART PARE			1.044						
ł	in	THE - TURB TO PUL 4 GBD	•	195942601	AEF	-	-				
Ľ	K,	COBOUTT I WRG EXH. BRG. BKT.		G334C18G61	HE F	-					-
L	17	COBOUTT I WEG INLEY BAG, PED .		6334016601	REF				<b> </b>		
┡	18	CORDANT I WAG BEOPLATE	·	3677873G01	KEP	-		h			
┝	20	GROUND DEVICE ASS'Y		3638627601	-	2	-	·			Ł
t	21	BRUSH		2714366001	=	2					1
E	22	MMEPLATES		5076403027	E	2					1
L	23	, .	8-,12 OF ,50 x .88	1040784008	2			<b> </b>			
F	2.5	KEY SPLIT	15-12 0F .50 x .65	1010104008	-	REF					
G		KEY			-	REF					ł
F,		KEY			-	REF					
Я	28	TET VALVE SUPPORT ASSY		366209160)	-	١	_				
⊢	29	BOLT HER IP.	1.50-G VN x 5.00	6270268039	-	6		<b></b> .	-		1.
⊢	30	TAPER DOUGL	.75-10	207 1639054 4608496012	-	2 2			-		D
ł-	12	NUT KEX	.1.3 10	1000130012		÷					ł
E	n	BOLT HEX HO,	1.00 - 6 04 = 2.75	6276249622	4	-					
Г	H	INUT HEX	1,00-8 04	4608496016	6	-			_		1
⊢	10	WASHER LOCK	1,00	4608136H16 1A04609002	4	-	⊢				
⊢	137	LINER		IND TRUSCOL		<u> </u>					ł
Ľ	38	TAPER DOWEL	1.00+8	2071642025	2	-					
L	8			I		·			L		1
L	40	BOLT HEX HO.	1,75-5 W6C x 4.50	627 ( 269 636	12	-		<u> </u>		ļ	ľ
┝	4 2	TAPER DOWEL NUT HEX	1.25-7	2011640020	2.	-		⊢	<u> </u>		
F		SHINS & LINERS		4906164077	8	-		<b>i</b>			
Ľ	44	SHIMS & LINERS		4000164 078	8	=					
L	45	SHINS & LINERS	······	4900164 079	4	~	<b> </b>				
⊢	44	SHINS & LINERS		494 0510 050	4	-		-			ł
⊢	47	SHINS FLINERS	·	494 CGI0 056	8	-	$\vdash$	-			1
F	49	SHIRS & LINERS		494 CG10058	4	-					1
Ē	50	SHIMS & LINERS		494 Calonse	4	-					1
Ĺ	51	SHIMS	<u> </u>	5232 86760	-	4	ļ	ļ	L_		1
┢	52		·	<u>  .</u>				-			1
ŀ	54	······		<u> </u>		-	-				
Ë	55	SHIMS & LINERS		793 8916033	G						<b>I</b> ₹
<b>—</b>	sc	SAMES I LINGES	L	7936916034	4	-	L			L	с
┝	57	SHIRS & LINERS		7938916035	+	-		<u> </u>			
┝	59	SHARS E LINERS	· · · · · · · · · · · · · · · · · · ·	17303100310	Ĕ	-	-	<u>├</u> ─			1.
L		BOLT HEX HO.	-500 - 13 UN x 2.00	627C23001G	8	Ξ					1
	61	NOT HEX	. 500-13	4608496008		-		<u> </u>	ļ		
┡		WASHER LOCK	,50	4608136011 1413122001	8	-					1
łī		COUPLING N.S. COUPLING GUARD H.S.		3877 025601	-	DL.	<b> </b>		1		1
f	65	COUPLING L.S.		1A13122002		DL.					l
Ĩ	GG.	COUPLING GUARD L.S.		3877026601	=	0L			1		1
L	ļ		<u>}</u>	<u> </u>	<b> </b>						<b>I</b>
Ļ	ľ					t - t				ŀ	
ł	1								1		1
Ľ	È	,						<u> </u>	$( \Box )$		
Ľ				l	L	L	I	1.	L	I	4

## NOTE:

A - GR.I IS THE ASSEMBLY FOR SHOP TEST. GR.2 IS THE COMPLETE ASSEMBLED PACKAGE.

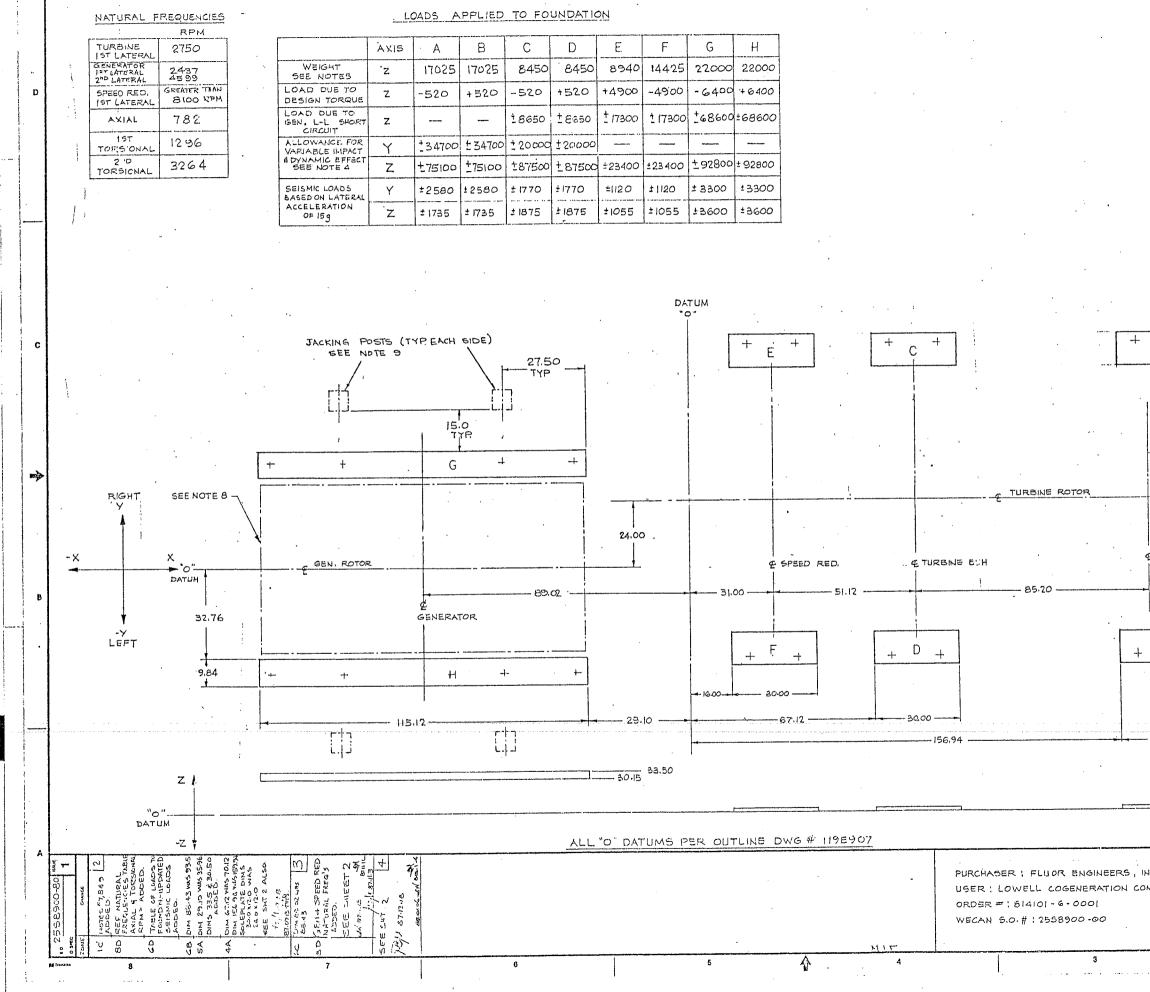
GR.2 IS THE COMPLETE ASSEMBLED PACKAGE. 8 -THREINE SPEED REDUCER COLD ALGANNENT: 1. ALIGNI TURBING AND SPEED REDUCER IN ACCORDANCE WITH INSTRUCTIONS ON THE ALIGNMENT DIAGRAM DUG. 3077028 3. RECORD ALL FINAL COLD ALGAINENT DATA ON THE ALGANMENT DIAGRAM AND SUBMIT A COPY TO ENGINEERING 55. 3. DONOT DOALS SPEED REDUCER AN PSTRUM ATCH SETTING ALGANENT. DOWELS HALL BE INSTALLED IN FIELD. LOCATE AND DRILL DOWELHOLE AS PER 3877055 LENNE ALLOWANCE FOR REMUNIG AT SITE. DOWELS AND EXCESS SHIME TO BE PRESERVED, PACKAGED AND SHIP LOOSE TO SITE.

- C I. MOINT SMELD REDUCER LOW SMEED COUPLING HUB AND FIT KEY BEFORE SHIPPING.
   2. DRATION OF KEYS PROTUDING PAST COUPLING HUB HUST DE GROUND FULSAN WITH SHAFT,
   C. GENERATOR COUPLING HUB AND SACER TO BE MICHAGED AND SMIPPED LODSE FOI INSTALLATION AT STREE.
   FOR ADDITIONAL MATTRUCTIONS BEFORE REWAYING UNIT FROM TEST STAND SEE SHIPPING INSTRUCTIONS ON "D" SAC.
   F. INSTALL, AND ADJUST GROUNDING MYLICE AS SAKAWL EXSURE CARGON BAYSIN WIL NOT R HEY.
   G. KEYS WILL DE SUPPLIED BY SMEED REDUCER (GEBERATOR SUPPLIERS
   Y. FITT & INSTALL HIGH & LOLU SPEED CPLG. GLARADS.
   Y. FITT & INSTALL HIGH & LOLU SPEED CPLG. GLARADS.

		LAS INFORMATION COM	TAINS O HEATON MINES IN THE PACETATY OF ANETIME HOUSE CANADA LINITES. In COMPONICE, AND NO POSTON OF THE SAARME MAY BE ANTHOUSED OF
l		LAVENT STAN	Westinghouse Canada Limited Tungine and Generator Division, Hamilton, Canada
		Ti Bres Mp	TURBINE PACKAGE ASS'Y
	1958391	Jallie dana?	иси / насисной останование на полнатия Полнатия Полнатия Вами м.т. 5 (Антт L ог L

• 1

REDUCER



. .

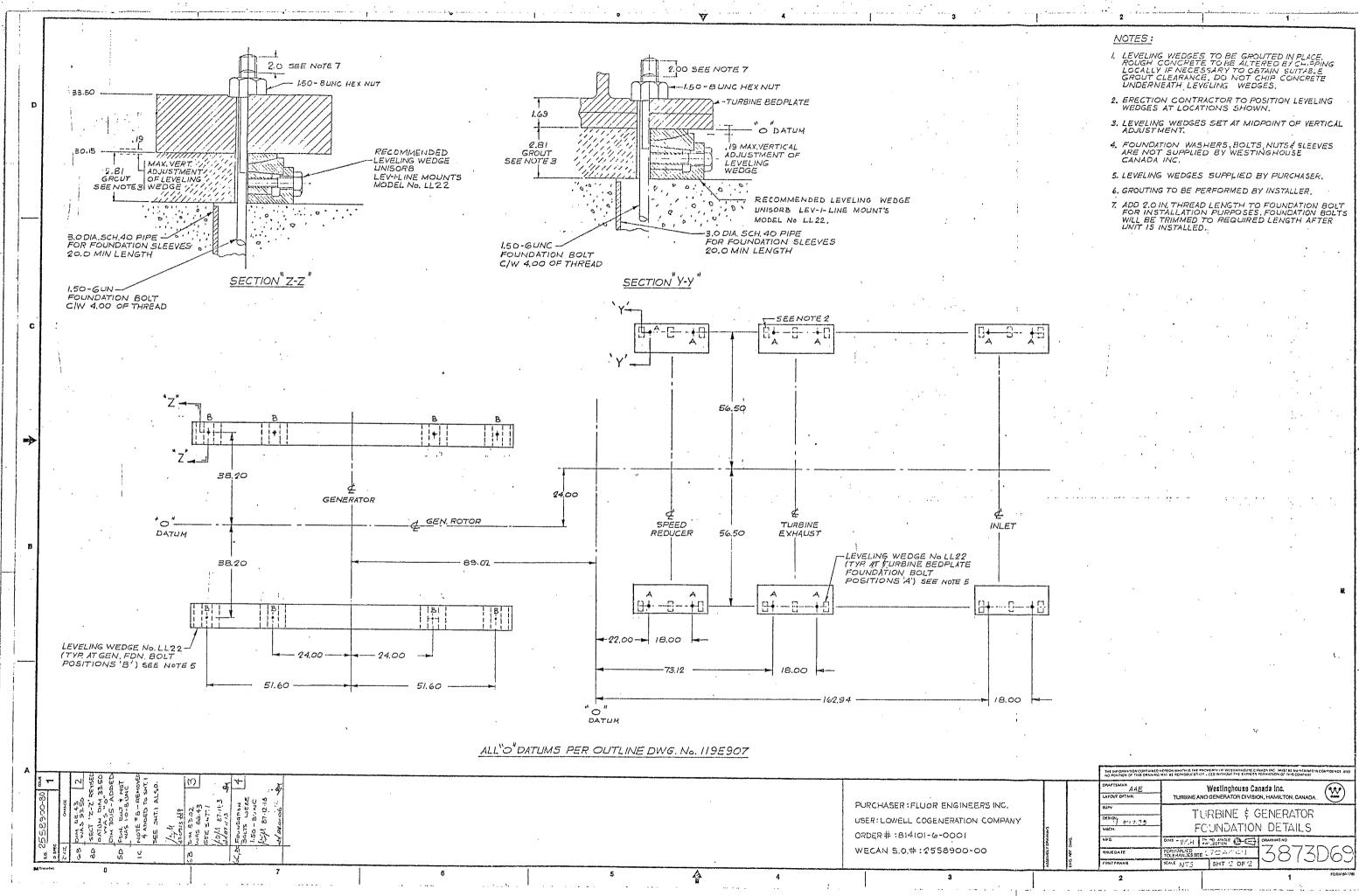
··· 2	· · · · · · · · · · · · · · · · · · ·
NOTES: 1. UNLESS OTHERWISE STATED ALL LDA 2. BOLEPLATE REACTIONS MUST BE MO ACCORDANCE WITH LOADS & MOMENTS PIPING, CONDENSER ETC.	DIFIED IN
B. REFER TO TURBINE OUTLINE SUPPLEME FOR ADDITIONAL FOUNDATION DESIGN G	UIDELINES.
MAY RESULT IN MACHINE DAMAGE. 5. INCLUDES WEIGHT OF OIL IN RESERVOIT 6. TURBINE SPEED   6750 R.P.M. GENERATOR SPEED   1800 R.P.M.	۶
7. DESIGN OF FOUNDATION STRUCTURE SHOL FREQUENCIES 40-50% OF EQUIPMENT OF EQUIPMENT NATURAL FREQUENCIES A OPERATING SPEEDS.	ND THO TIMES
8. THE FOUNDATION BETWEEN THE GENERATO BE DESIGNED TO SUPPORT VERTICAL JAC DURING EQUIPMENT INSTALLATION, MAX.V LOAD = 25000 LBS.	KING LOADS APPLIED
9. THE GENERATOR FOUNDATION SHOL JACKING POSTS TO FACILITATE LAT INSTALLATION AND FINAL ALIGNMENT SHOULD PROJECT 12.0 ABOVE TH JACKING POSTS AND FOUNDATION S 34.000 LBS, JACKING LOAD. TH SHOULD BE DESIGNED FOR REMO INSTALLED AND RUNNING,	ERAL JACKING DURING , JACKING POSTS E CENERATOR FOUNDATION HOULD BE DESKINED FOR IE JACKING POSTS
	*
E INLET 48.00	
	Ę
B + 12,00	
- 30 <i>00</i>	
NC . TURBINE AND GENERAT	IOUSE CARADA INC.
MPANY OSION 97723 FOUNDAT	<u>53873069</u>

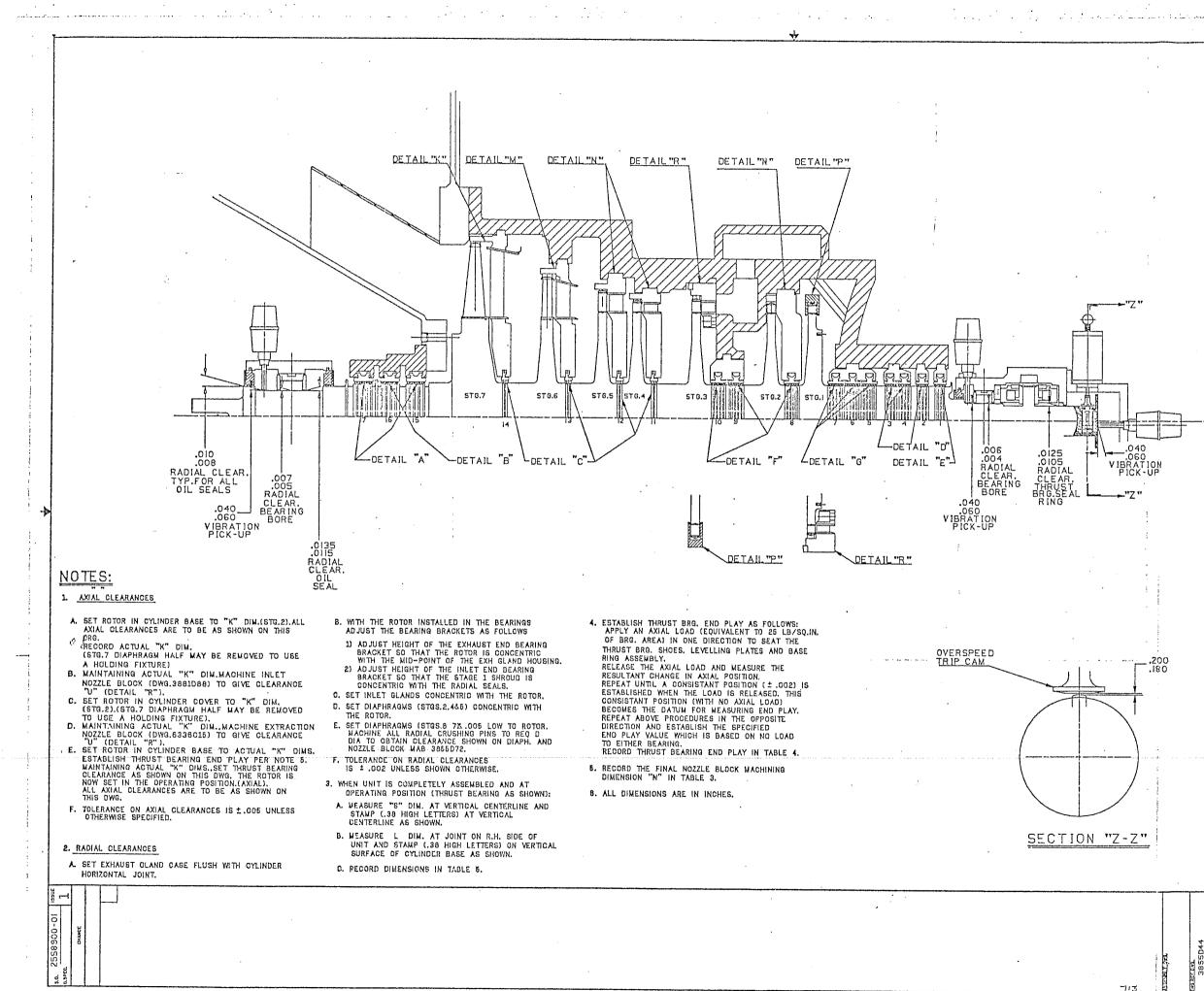
- 1 - 1 **4** -

W

ь · · ·

Charles and and a set of the later





(-0P		
**		
1		
•		ſ
		l
		1
·		
		1
200	ROTOR DEFLECT	ION DATA
.180	LOCATION	DEFLECTION
	INLET BRG.	0.0
	INLET GLANDS IOUTER	100.0
	INLET GLANDS (INNER)	0.002
	INLET GLANDS (INNER- INNER 1 STG. 1 (ROTOR)	0.003
		0.003
	STG. 2 (DIAPH) STG. 3 "	0.004
	STG. 4 "	0.004
	STG. 5 "	0.004
	STG. 6 "	0.004
	STG. 7 "	0.004
	EXH. GLANDSIMID-POINT	£00.0
	EXH. BRG.	0.0
THE INFORMATION CON WIST UE MANTAINED WITHOUT THE EXPRES	TAINLD HEREON WHICH IS THE PROPES, IT OF WEST IN CONFICENCE, AN' NO PORTION OF THIS DRAWING A & PERMISSION OF THE COMPANY.	HOHOUSE CANADA INC. IAT BE REPRODUCED OR USED.
GRAFISPERSON CAYOUT BETPREN. H.WESTEDT SUM.	Westinghouse Canada TURBINE AND GENERATOR DIVISION HAMI	Inc. ( PP)
+ DEGICH CO COL		
		RANCE
TO DU ISSUE PARE	NS. INCH IMINO ANGLE DE CRAWI	877D271
日 图 图 EM25	N.T.S. SHT 1 OF 3	

.

Q

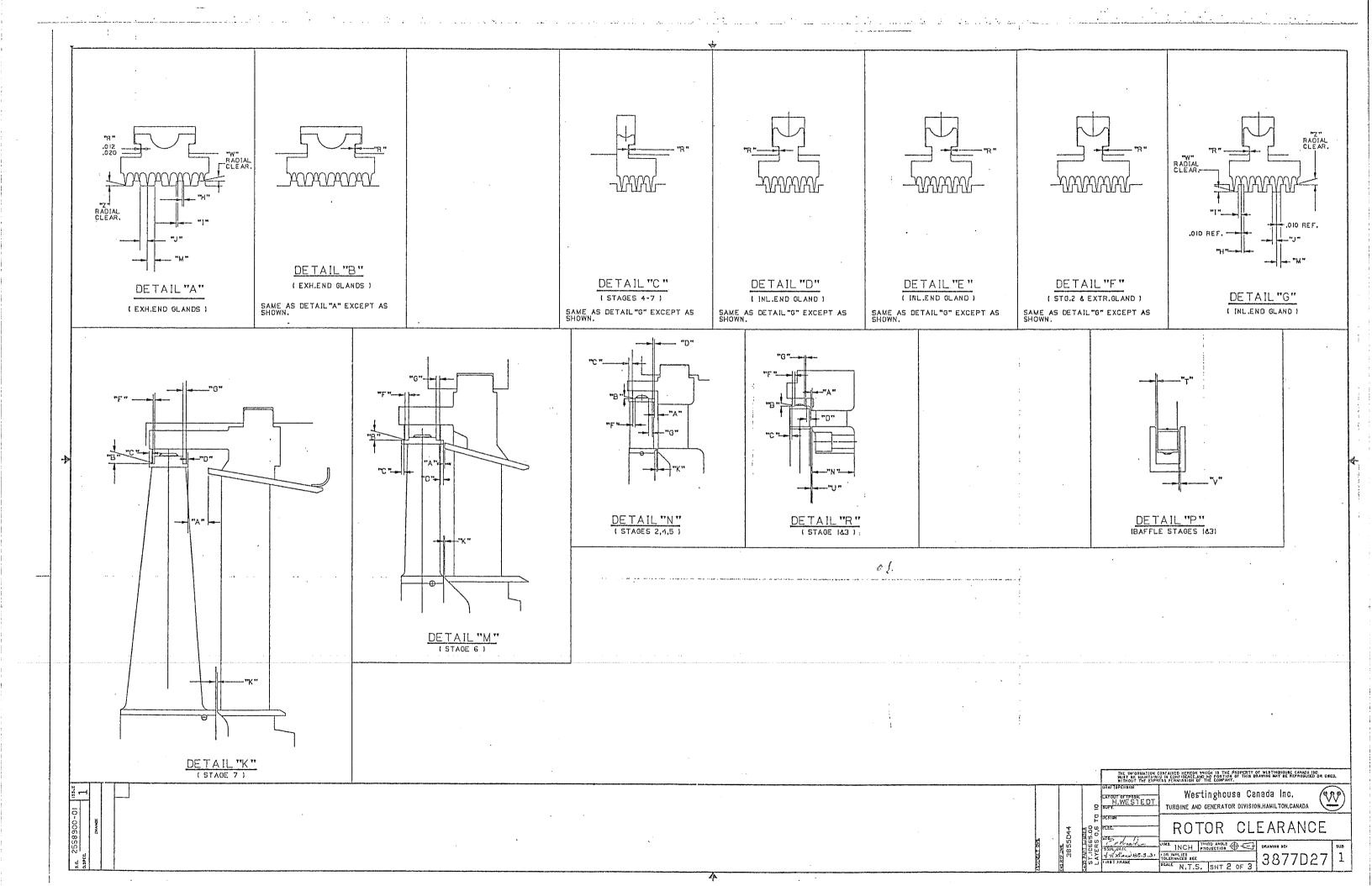


TABLE 1

		STAGE AXIAL CLEARANCES											*** ********	STAGE R	ADIAL CLE	ARANCES						
	STG.		<u>"^"</u>			"C" :.010	·		"D" ±.010			"F" ±.010			"G" ±.010			"К"			"B"	······
[ ]		ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENĠ.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD
	<u> </u>	.031	·····		.096			.129			.091			.089			<u> </u>	SEE	TABLE 3	160.		
	2	.031			.142			.192			.112			.089			.031	1	THELE 2	.031		
- I-		.031			.096			.129			.092			.088				SEE	TABLE 3	.03I		
	4	.081 ±.020			.111			.099			.131			.134			.031		10000	.031		*
-	5	.090 ±.020			.120			.090			.123			.142	1		.040			.031		
	6	.050 :.020			.059			.139			.161			.081	+		.045		·	.031		<u>+</u>
L	7	020:15201			.091			.03Z	]		066			.126			.000	+	-	031		+

.

.

TABLE 2

;

		STEAM SEAL AXIAL CLEARANCES													STEAM SEAL RAIAL CLEARANCES						
		"H"			· · · · · · · · · · · · · · · · · · ·			"]"			"M "			"R"		**W**			"7 "		
SE AL	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD	ENG.	SHOP	FIELD
1	.065			.065			.112			.112			.012/.020			.011/.009				51101	
2	.065			.065			.112		1	,112		·	.012/.020					+	011/.009		<u> </u>
Э	.065			.065			.112			,11Z			.0127.020			e00.\110.		· · · · · · · · · · · · · · · · · · ·	.0117.009		f
4	.065			.065			,112			.112	·····					e00.\110.		· · · · · · · · · · · · · · · · · · ·	.0117.009		ļ
5	.065			.065			.112						.0127.020			.0117.009			.0117.009		
6	.065			,065					·	,112			.0127.020			011/.009			.0117.009		
7	.065			.065			.112		·	.112			.0127.020			.0117.009			.0117.009		
0	.065			.065	<u>`</u>		.112		·	.112			.0127.020			.0117.009			.0117.009		
~	.065			.065						.112			0127.020			.011/.009			.0117.009		[
	.065						.112	<u>.</u>		.112			.012/.020			.011/.009			.0117.009		
	.065			.065			.112			.112			.0127.020			.011/.009			.011/.009		
				.065			.112			.112			.012/.020			.011/.009		1	011/.009		(*************************************
-12	.065			.065			.112			.112			.012/.020			.011/.009			.011/.009		
13	.065			.065			.112			.112			.012/.020	······		.0117.009			.011/.003		1
14	.065			,065			IIZ			.112			.012/.020			.011/.009			011/.003		
15	.065			.065			.112		1	.112			012/.020			.011/.009		+			
16	.065			.065			.112			.112	<u> </u>		.012/.020			.0117.003			E00.VII0.	·····	· · · · · ·
17	.065			.065			.112			.112	····-	<u> </u>	.012/.020			And the second s			.0117.009		·
												L	1.0127.020			.0117.009			011/.009		L

TABLE 4

BEARING AND OIL SEAL CLEARANCES

	RADIA	L CLEAR	ANCES		ORIFICE DIAMETERS		
	ENG.	SHOP	FIELD	] [	ENG,	SHOP	FIELD
INLET BEARING BORE	.0038/.0022			INLET BEARING			
EXHAUST BEARING BORE	.007/.005			EXHAUST BEARING	<u> </u>		
				THRUST CONTR.RINGS	.66		
EXHAUST BEARING OIL,SEAL-TURB.SIDE	.03257.0300						
EXHAUST BEARING OIL SEAL-G'BOX SIDE	.03257.0300				···		· · · · · · · · · · · · · · · · · · ·
INL. JNL.BEARING OIL SEAL - TURB.SIDE	.0322/.0297			[	······		
INL. JNL.BEARING OIL SEAL-THRUST SIDE	.0322/.0297						·····
THRUST BEARING SEAL_CLEARANCE	01257.0105						••••••••••••••••••••••••••••••••••••••
INLET BEARING PEDESTAL OIL SEAL	.0107.008						
EXHAUST BRG.BKT. OIL SEAL-TURB.SIDE	.010/.008						
EXHAUST BRG.BKT. OIL SEAL-G'BOX SIDE	.0107.008						
THRUST BEARING ENDPLAY	.0187.012						

TABLE 3

STG.	**	N <sup>m</sup>		ייטיי			"T"		"\/"		
	SHOP	FIELD	ENG	SHOP	FIELD	ENG	SHOP	FIELD	ENG	SHOP	FIELD
1	· · · · · · · · · · · · · · · · · · ·		.031			.087 .067			,087 ,067		
з			.031			.087 .067			.087		

and the second second

.

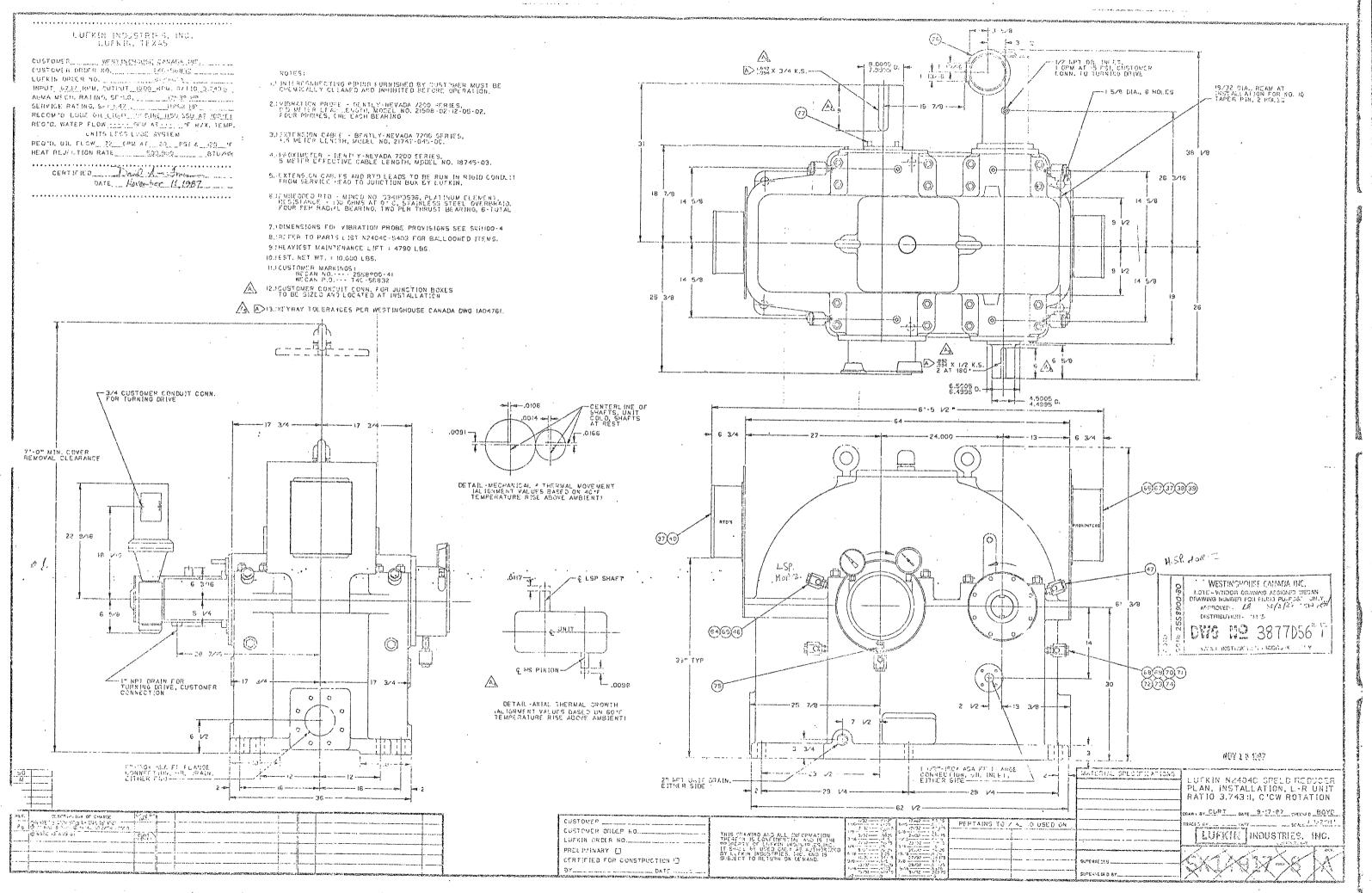
i

Ą

.

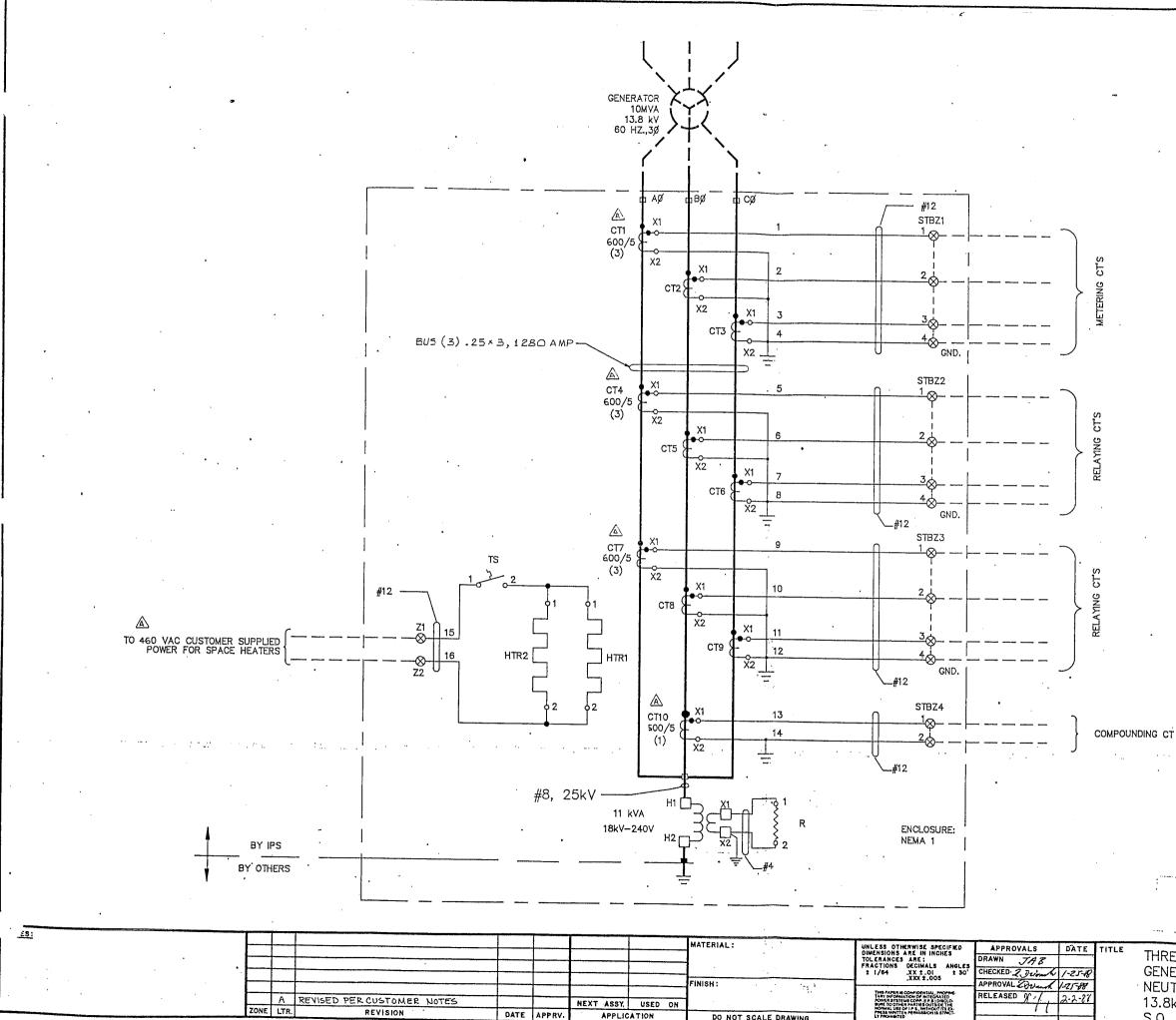
				CONTAINTO HERION WHICH IS THE PROPERTY OF WESTINGHOUSE CANADA INC. 10 IN CONFUCIELADA DO FORTICIN OF THIS DRAWING MAY BE REPRODUCED OR USED. 15 S FERMISION OF THE CONFANT.
			CRAFTSPERSON EXYOUT OF TPHON. H.WESTEDT SUPY	Westinghouse Canada Inc. TURBINE AND GENERATOR DIVISION.HAMILTON.CANADA
	5044	1 1	00291094 6120, 1026, / //	ROTOR CLEARANCE
astrant av	<u>3855</u>	T-105	SSUE DATE	JUNES INCH INTO ANGLE E DRAMING KOU TOR INDUCED TOR INDUCED TOR INDUCED SCALE N.T.S. ISHT 3 OF 3 SCALE N.T.S. ISHT 3 OF 3

. .



÷ •

and the second second



DO NOT SCALE DRAWING

THREE LINE DIAGRAM GENERATOR NEUTRAL CUBICLE 13.8kV, 3Ø, 60Hz, 10MVA S.O. #188500 Power Systems HOUSTON, TEXAS U.S.A SIZE CODE IDENT. NO. DRAWING NO. 1885C001 006-004323 D SCALE SHEET TOF T

LEGEND:	
HTR	SPACE HEATER, 500W
TS	THERMOSTAT SWITCH