DUTLINE 8			-			
3052513	•					PUR(
CAD GENERATED DRAWING	SYM	BOL	DESC	CRIPTION		OMINAL ATING
	Δ-	С	COMPRESS	OR INLET		30" -
	B-	С	COMPRESS	or discharge	-	12" -
	E-	Τ	TURBINE E	XHAUST		18" -
	F-	\top	TURBINE I	NLET		10" -
			CENTER	OMPRESSOR 32M4 74.52"	CENTER	

CALCULATE	ED THERMAL	GROW
EQUIPMENT	COMPR	ESSOR
SUPPORT POSITION	SUPPORT CENTER (WOBBLE END)	SUPPOR (DRIV
CALCULATED THERMAL GROWTH VERTICAL "Y" DIRECTION	0.000"	0.
REFERENCE SHIM THICKNESS	0.134"	0.
		1

COLD ALIGNMENT AND THERMAL GROWTH

NOTES:

E-T

F - T

1. AFTER INITIAL ALIGNMENT OF THE UNITS, MAKE THE NECESSARY SHIM CORRECTIONS AT THE SUPPORT FEET TO REALIGN THE UNIT FOR OPERATING CONDITIONS. 2. CALCULATIONS ARE BASED ON AN AMBIENT TEMPERATURE OF 70°F. 3. NORMAL AXIAL SHAFT END GROWTHS IN THE "X" DIRECTION ARE AS FOLLOWS:

COMPRESS	SOR = +0.006''	TURBINE = -().023''
THER	MAL GROV	VTH OF NO	DZZLES
NOZZLE	X	Y	Z
A-C	-0.013"	-0.011	+(),()()()''
B-C	-0.005"	+0.025"	-0.005"

+0.037"

0.057

+

-0.168''

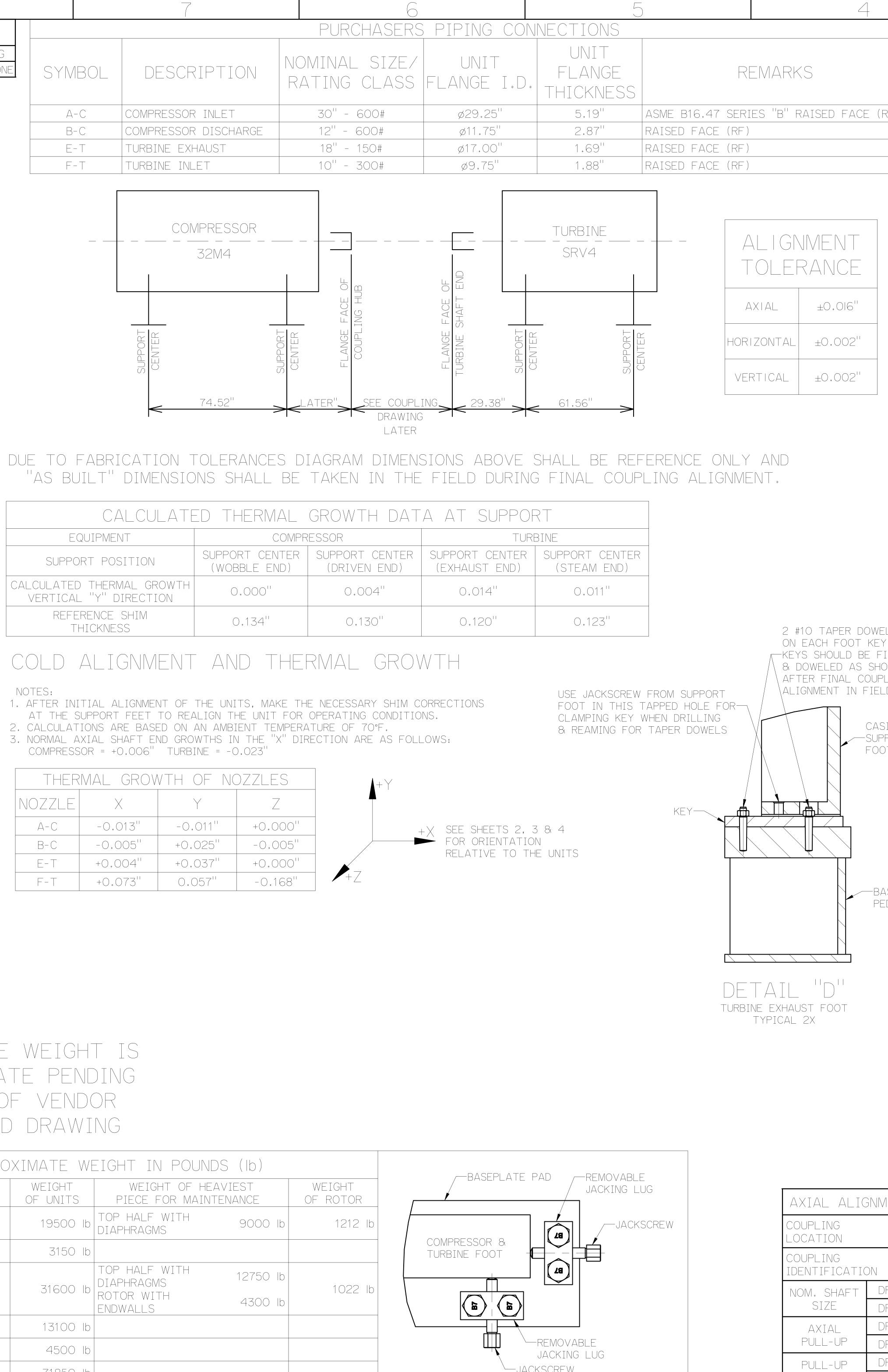
T&T VALVE WEIGHT IS APPROXIMATE PENDING RECEIPT OF VENDOR CERTIFIED DRAWING

APPROXIMATE WEIGHT IN POUNDS (16)

+0.004"

+0.073

	UNIT	WEIGHT OF UNITS	WEIGHT OF H PIECE FOR MAI		WEIGHT of rotor
	TURBINE	19500	Ib TOP HALF WITH DIAPHRAGMS	9000 lb	1212 lk
	T&T VALVE AND SUPPORT	3150	lb		
0	COMPRESSOR	31600	Ib IDIAPHRAGMS ROTOR WITH ENDWALLS	12750 lb 4300 lb	1022 lk
Д	BASEPLATE	13100	lb		
	PIPING & MISC.	4500	lb		
	PACKAGE TOTAL	71850	lb		
	8				



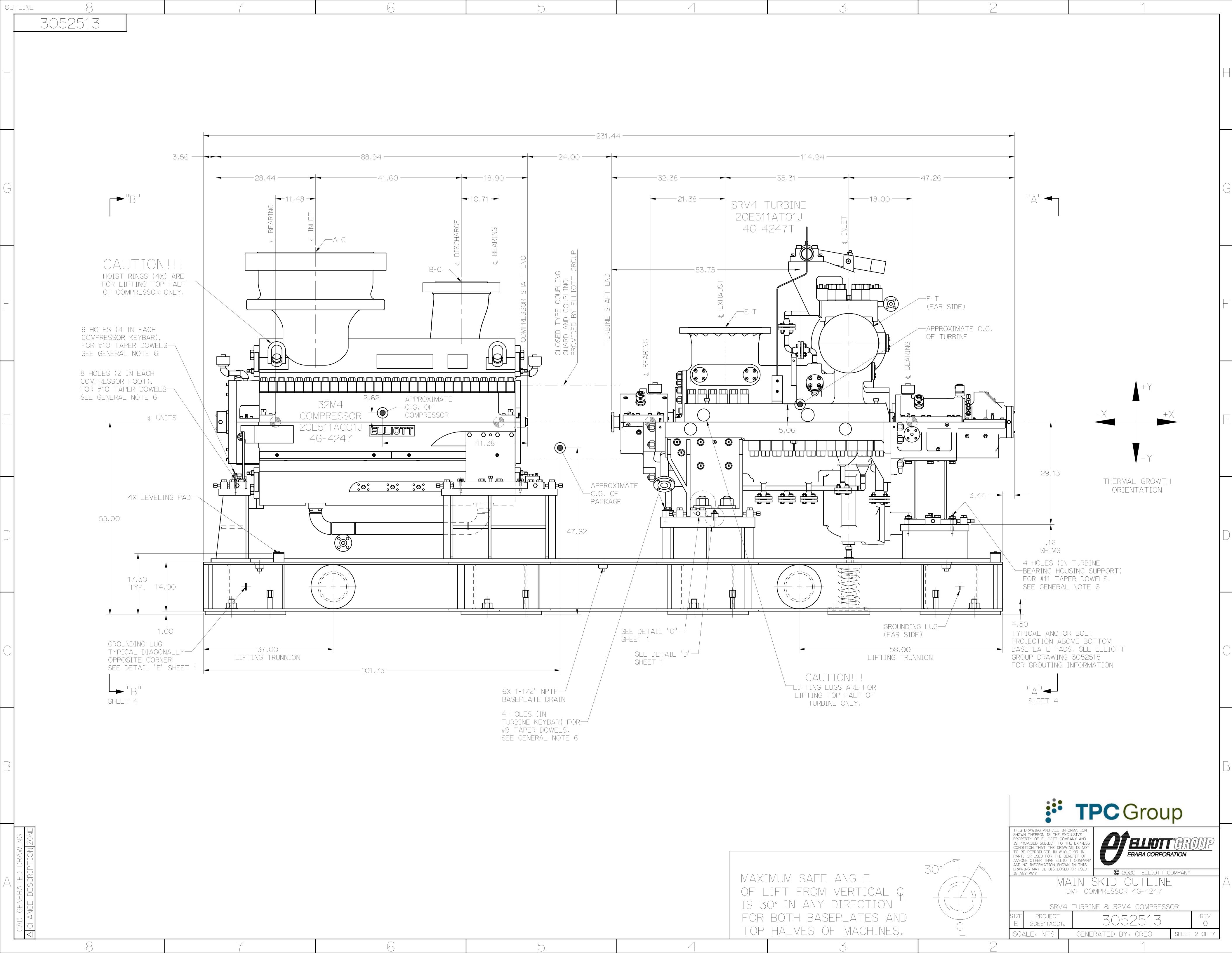
-JACKSCREW

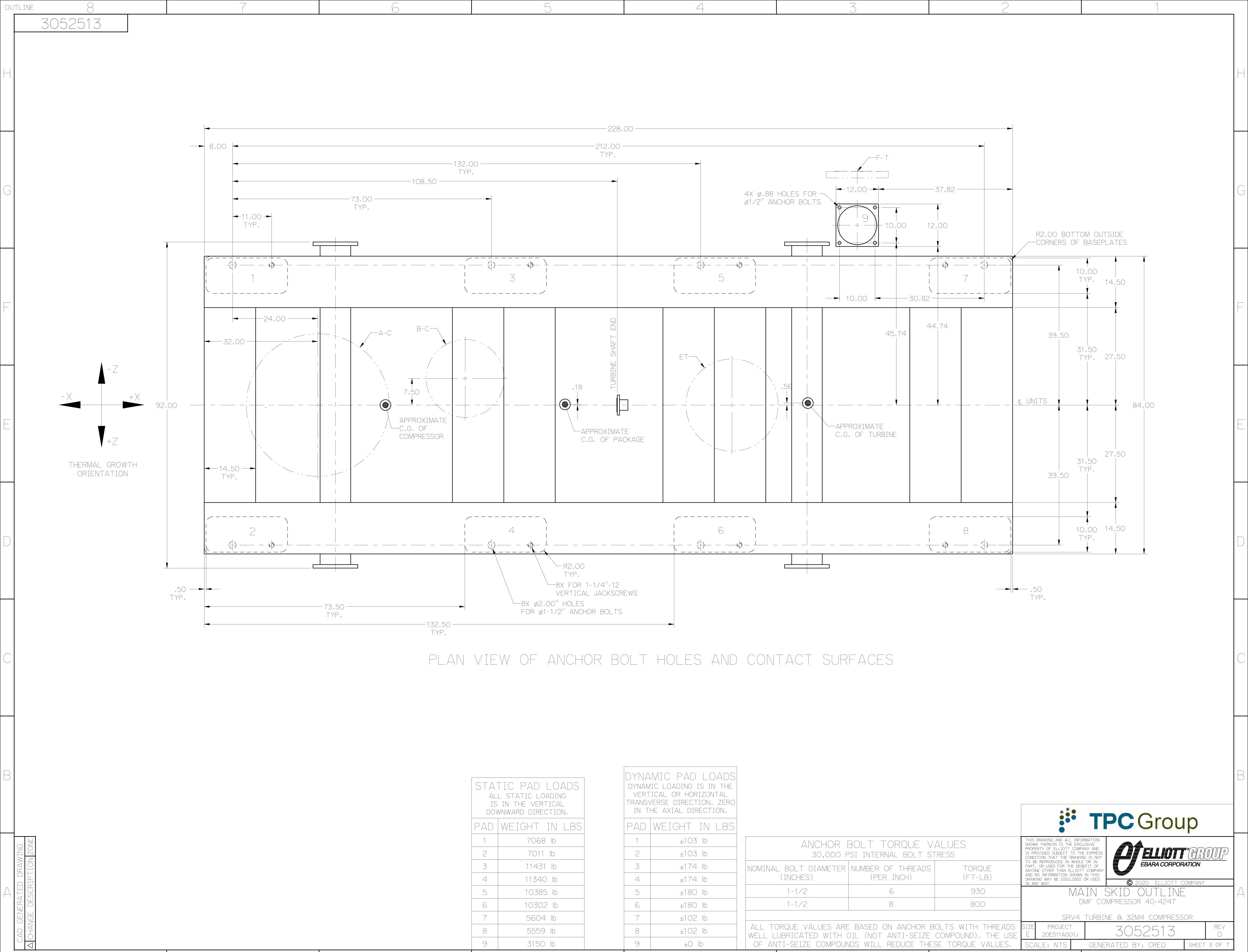
TYPICAL JACKING LUG ARRANGEMENT

TOLERANCE

		$\overline{\boldsymbol{\mathcal{A}}}$		2	
	GENERAL I 1. Anchor B		NUTS & ANCHOR	BOLT SLEEVES A	ARF NOT FURNI
	ELLIOTT 2. CHOCKBLO	GROUP DRAWING CKS AND CHOCKB	3052515 FOR DE LOCK SHIMS ARE		
				JACKSCREWS FOR	R COMPRESSOR
(RF)	4. ALL FORC LIMITS SF	ES AND MOMENTS PECIFIED IN THE	FOLLOWING SPEC		
	TURBIN	E: SEE ELLIOTT	GROUP DOCUMENT	MENT 5114292 (C 5114350 (TURBI BY EACH UNIT V	INE (UNIT) NOZ
	WEIGHT. See dyna	THESE UNBALANC MIC LOADS ON S	ED FORCES WILL HEET 3.	BE DISTRIBUTED	EQUALLY OVE
	THE MACH		PROPERLY ALIGN	DOWEL PINS FIT NED AND THEIR FI	
	7. UNLESS NO Standard	DTED OTHERWISE . SEE REMARKS	, ALL COMPRESSO Column in purch	OR & TURBINE MA HASERS PIPING CO	DNNECTIONS T
-	9. DIMENSION	NS IN INCHES.		SIONS FOR T&T V BINE SHAFT END.	
_	RMS BETV	VEEN 10 Hz AND	1000 Hz (600 T	AT THE BOTTON 0 60,000 RPM)]	IN ANY DIRECT
-	12. COMPLETE	UNITS (DRIVER	AND DRIVEN EQUI	PM) TO 0.00002" IPMENT) SHOULD [THE RESPONSIBIL	BE SUPPORTED
		ER BAR IS RECON BY ELLIOTT GRO		TING TO PREVEN	T DAMAGE TO
_		OR NOTES:	IDERATIONS CON	MPRESSOR DISCHA	RGE STAGE RI
	THE RATE	D SPEED OF 7178			
		NED FROM THE S	, , , , , , , , , , , , , , , , , , ,	ROTATION ARROW	,
	3. THE FOLL	OWING ITEMS AR	E NOT FURNISHEE	RNISHED BY ELLIC) by elliott gr t, drain, and W	OUP BUT ARE
			VALVE SHOULD E	BE INSTALLED IN _VE. THE VALVE	
	MAXIMUM	STEAM FLOW (10	04500 lb PER HOI	UR) THROUGH THE THE LOW POINT	TURBINE EXH
		I THE TURBINE C. E PROVIDED.	ASING. A METHO	D OF CONTINUOUS	SLY DRAINING "
VELS Ey. FITTED				CENTERI INF. C	F DRILLED HOL
HOWN IPLING				IN CASING SUF	PORT AND TAP PLATE PEDEST
ELD.	FIELD INSTALLATI		DE /	CASING SUPPO	
ASING JPPORT DOT	WITH SPACER WAS Shown. spacer t obtain 0.004" t	O BE FIELD FIT		T FOOT SPACER	WASHER
	WHEN NUT IS TIGH	┤Ҭ。		SPACER	
	PLACE .010" THICK	TEFLON SHIM			
	BETWEEN EACH CAS FOOT & REQUIRED S FINAL ASSEMBLY. T	SHIM PACK FOR		BASE	PLATE
	MUST BE ON TOP O				STAL
BASEPLATE PEDESTAL	-				
			DETAIL turbine exhaus	<u> </u>	
	1/4		TYPICAL -	4X	
				1.00	S.CONROY CHECKED BY J.SHUSTER PROJECT NAME
					TPCH-442 CC4 end user TEXAS PETROCH purchaser
		1.00	-1.75	-2X ø.56	TEXAS PETROCH p.o. no 150867 & 1508 item no
					4G-4247T, 4G- JOB NO H20014
	ATA FOR COUPLIN	(GROUNDING LUG 04 stainless st		TO MAINTAIN SHIPPING PR
	TURBINE TO	NG	TYPICAL 2X		BY: S.CONROY
	COMPRESSOR	MASTE	R S.O.: 20E		THIS DRAWING AND AL SHOWN THEREON IS TH PROPERTY OF ELLIOTT IS PROVIDED SUBJECT
DRIVER	MODEL: LATER INTEGRAL	UN	IT	SHOP ORDER	CONDITION THAT THE TO BE REPRODUCED IN PART, OR USED FOR T ANYONE OTHER THAN E AND NO INFORMATION
DRIVEN DRIVER	ø3.00''	COMPRESSOR TURBINE LUBE OIL CC	20	E511ACO1J E511ATO1J L040001	DRAWING MAY BE DISC — IN ANY WAY
DRIVEN	0.144''	DRY GAS SEA	AL PACKAGE PRI	L040001 L04002 TER	SF
DRIVER DRIVEN	±0.005"				SIZE PROJEC E 20E511A0
	<u> </u>			2	SCALE: NTS

	1
NISHED BY ELLIOTT GROUP. SEE IP. SEE ELLIOTT GROUP DRAWING	
R AND TURBINE ARE FURNISHED BY	
D THE MACHINERY MUST NOT EXCEED	
NOZZLE ALLOWABLE FORCES AND MOMENTS) DZZLE ALLOWABLE FORCES AND MOMENTS) CEED .50 TIMES ITS TOTAL ROTOR (ER THE BASEPLATE SUPPORT POINTS.	
COLD ALIGNMENT CHECK CONFIRMS THAT ON HAS BEEN CONFIRMED. DOWELS	
ON FLANGES ARE ANSI/ASME B16.5 TABLE. YCO DRAWING LATER.	
ANCHOR BOLT AS SHOWN ON SHEET 3. SEPLATES TO BE 0.10"/SECOND CTION. THIS EQUATES TO A VIBRATION Z (60,000 RPM). D ON A RIGID AND SUBSTANTIAL OTT GROUP.	
) THE EQUIPMENT. SPREADER BAR IS NOT	
BLADE PASSING FREQUENCY IS 1795 Hz AT	
TATION IS COUNTER-CLOCKWISE. REQUIRED TO COMPLETE INSTALLATION , FITTINGS, STEAM TRAP, RELIEF VALVE,	
T PIPING BETWEEN THE TURBINE EXHAUST DESIGNED FOR FULL RELIEF OF THE HAUST END.	
AUST LINE TO PREVENT ACCUMULATION OF THE BOTTOM OF THE EXHAUST CASING	
)LE APPED	
TAL	
• TPC Group	
DESIGNED BY J.SHUSTER	
drawn by J.SHUSTER 4 DMF COMPRESSOR	
CHEMICAL GROUP PASADENA, TEXAS 20E511A001J Serial number	
CHEMICAL GROUP PASADENA, TEXAS 20E511AT01j, 20E511AC01j SET SET MODEL MODEL	
G-4247 SRV4, 32M4 service DMF_COMPRESSOR	B
APPROVAL FOR RECORD ANY REQUESTED CHANGE OF THIS EQUIPMENT WILL RESULT IN: 1. CONTRACT PRICE ADJUSTMENT.	
: <u>11-27-2020</u> 2. EXTENDED SHIPPING PROMISE AS THIS CONTRACT IS IN THE MANUFACTURING PROCESS. BY: DATE:	
ALL INFORMATION THE EXCLUSIVE DTT COMPANY AND CT TO THE EXPRESS	
IN WHOLE OR IN THE BENEFIT OF N ELLIOTT COMPANY ON SHOWN IN THIS EBARA CORPORATION EBARA CORPORATION	
MAIN SKID OUTLINE	Д
DMF COMPRESSOR 4G-4247 SRV4 TURBINE & 32M4 COMPRESSOR	
ICT 3052513 REV 0 0	
S GENERATED BY: CREO SHEET 1 OF 7 1 THIRD ANGLE DE E	



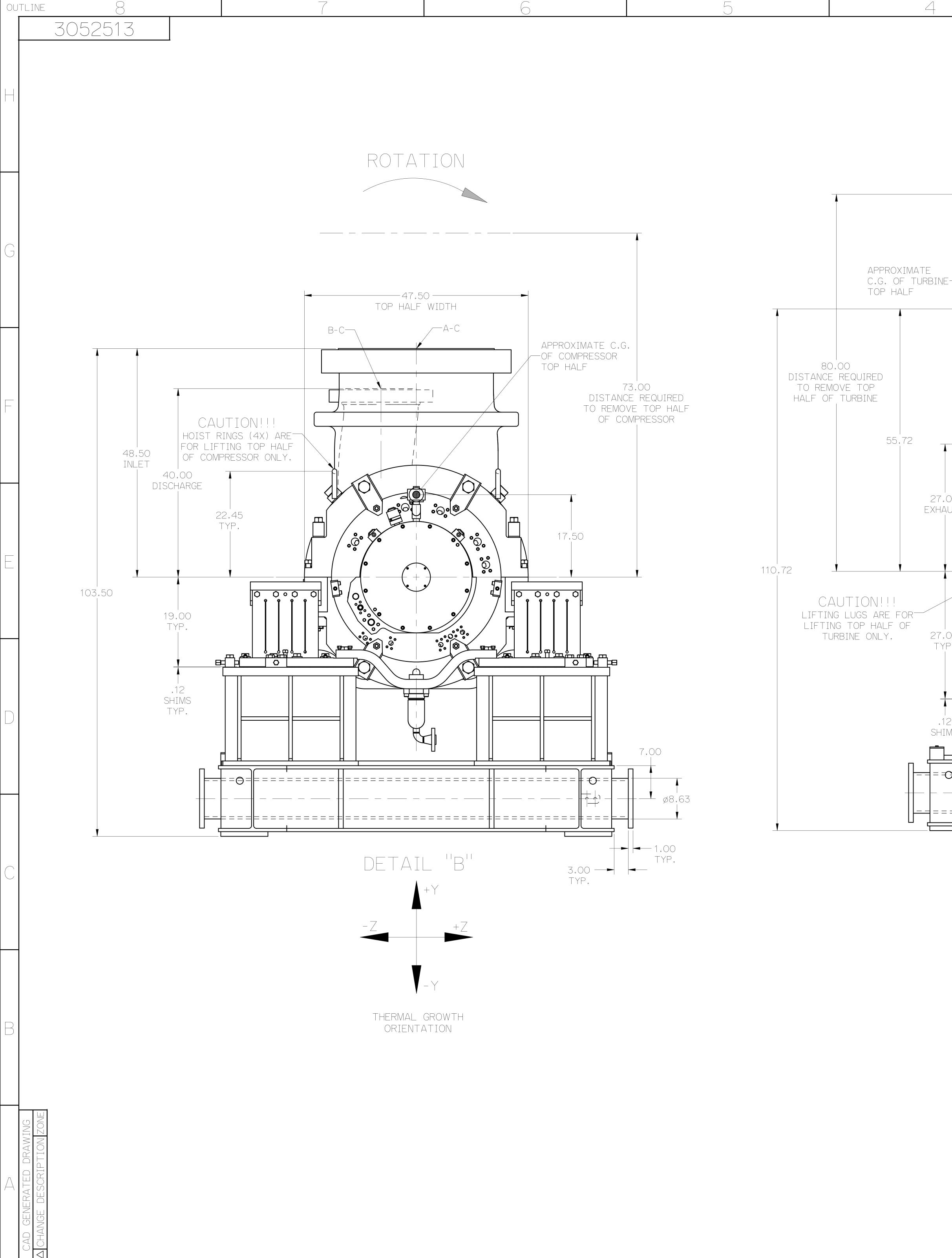


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STATIC PAD LOADS ALL STATIC LOADING IS IN THE VERTICAL DOWNWARD DIRECTION.					
PAD	WEIGHT IN LBS				
1	7068 lb				
2	7011 lb				
3	11431 lb				
4	11340 lb				
5	10385 lb				
6	10302 lb				
7	5604 lb				
8	5559 lb				
9	3150 lb				

DYNAM VERT TRANS\	MIC PAD IC LOADING I ICAL OR HOR /ERSE DIRECT HE AXIAL DIR	IS I IZOI ION
PAD	WEIGHT	IN
1	±103	lb
2	±103	lb
3	±174	lb
4	±174	lb
5	±180	b
6	±180	b
7	±102	lb
8	±102	lb
9	±O	b
		\square

[ON]					
LBS					
	ANCHOR BOLT TORQUE VALUES 30,000 psi internal bolt stress				
	NOMINAL BOLT DIAMETER (INCHES)	NUMBER OF THREADS (PER INCH)	TORQUE (FT-LB)	TO BE REPRODUCED IN PART, OR USED FOR T ANYONE OTHER THAN E AND NO INFORMATION DRAWING MAY BE DISC IN ANY WAY	
	1-1/2	6	930		
	1-1/2	8	800		
				SF	
	ALL TORQUE VALUES ARE WELL LUBRICATED WITH (BOLTS WITH THREADS COMPOUND). THE USE	SIZE PROJEC E 20E511AO	
	OF ANTI-SEIZE COMPOUN	IDS WILL REDUCE THE	ESE TORQUE VALUES.	SCALE: NTS	
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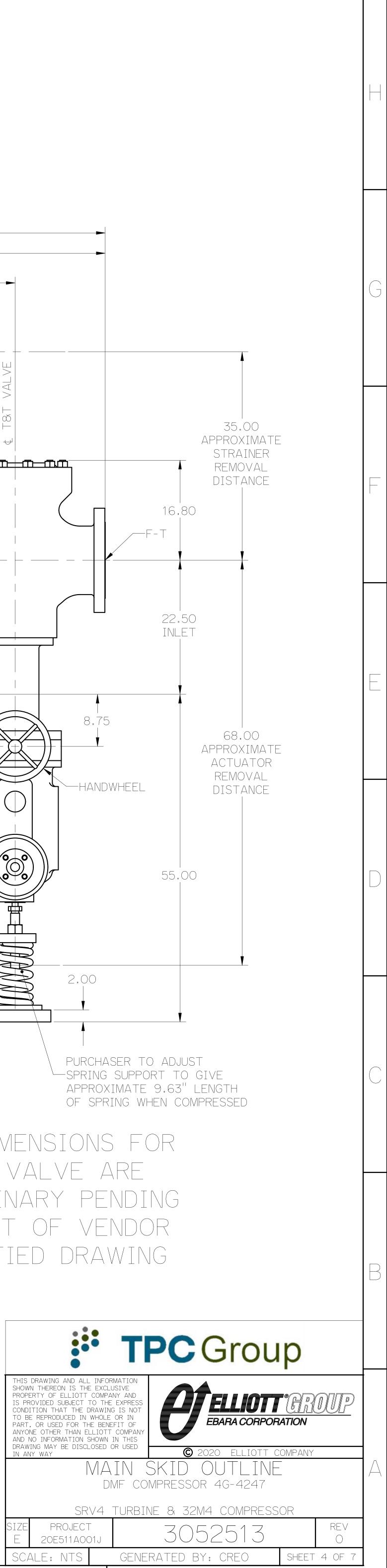


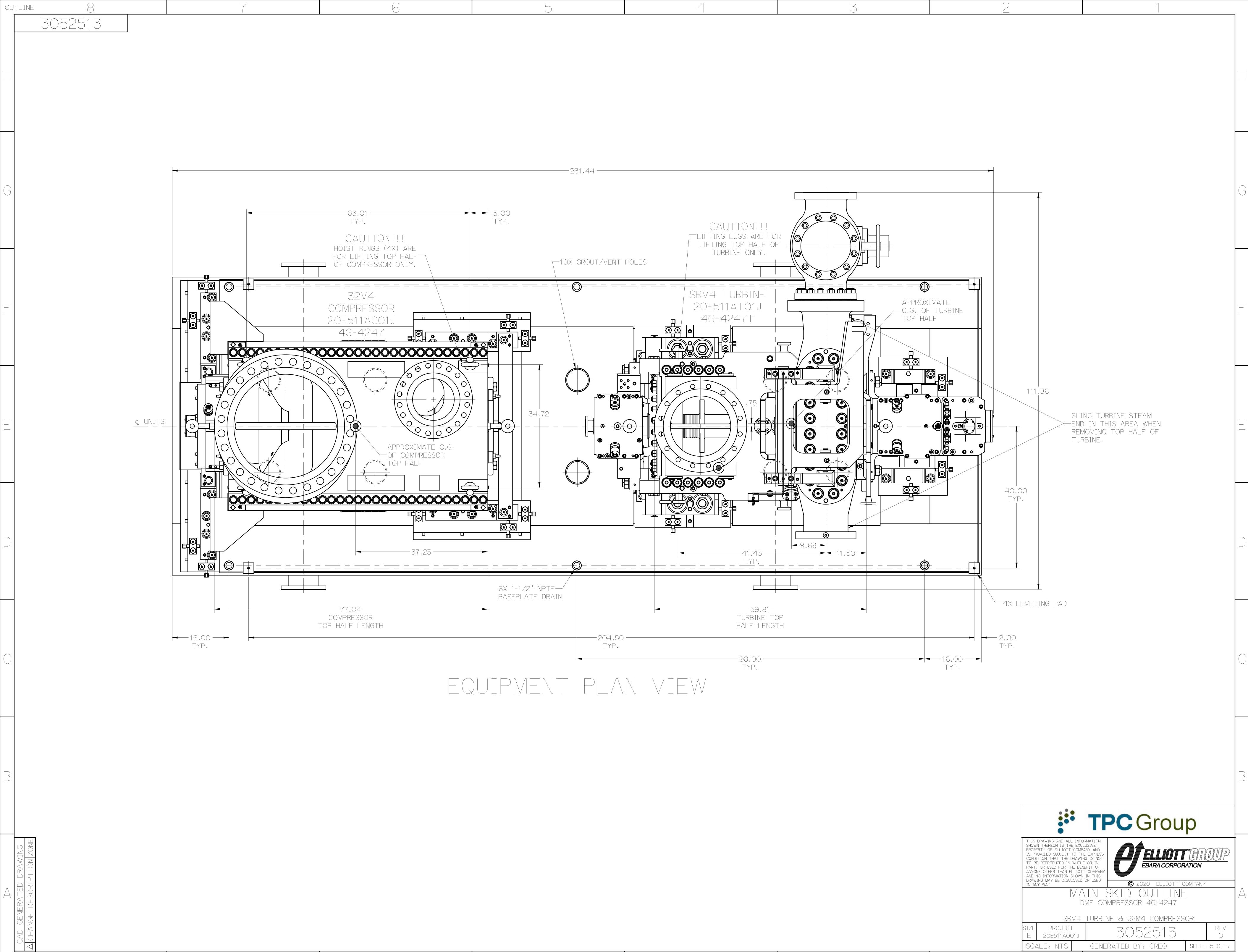
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 			 97.61			
-	31.75		5(65.86 INLET).74		>
						TBT VALVE
			7			
	+ Z				T&T Reliv	IMENS VALV IINARY PT OF
		ERMAL GROWTH ORIENTATION				FIED

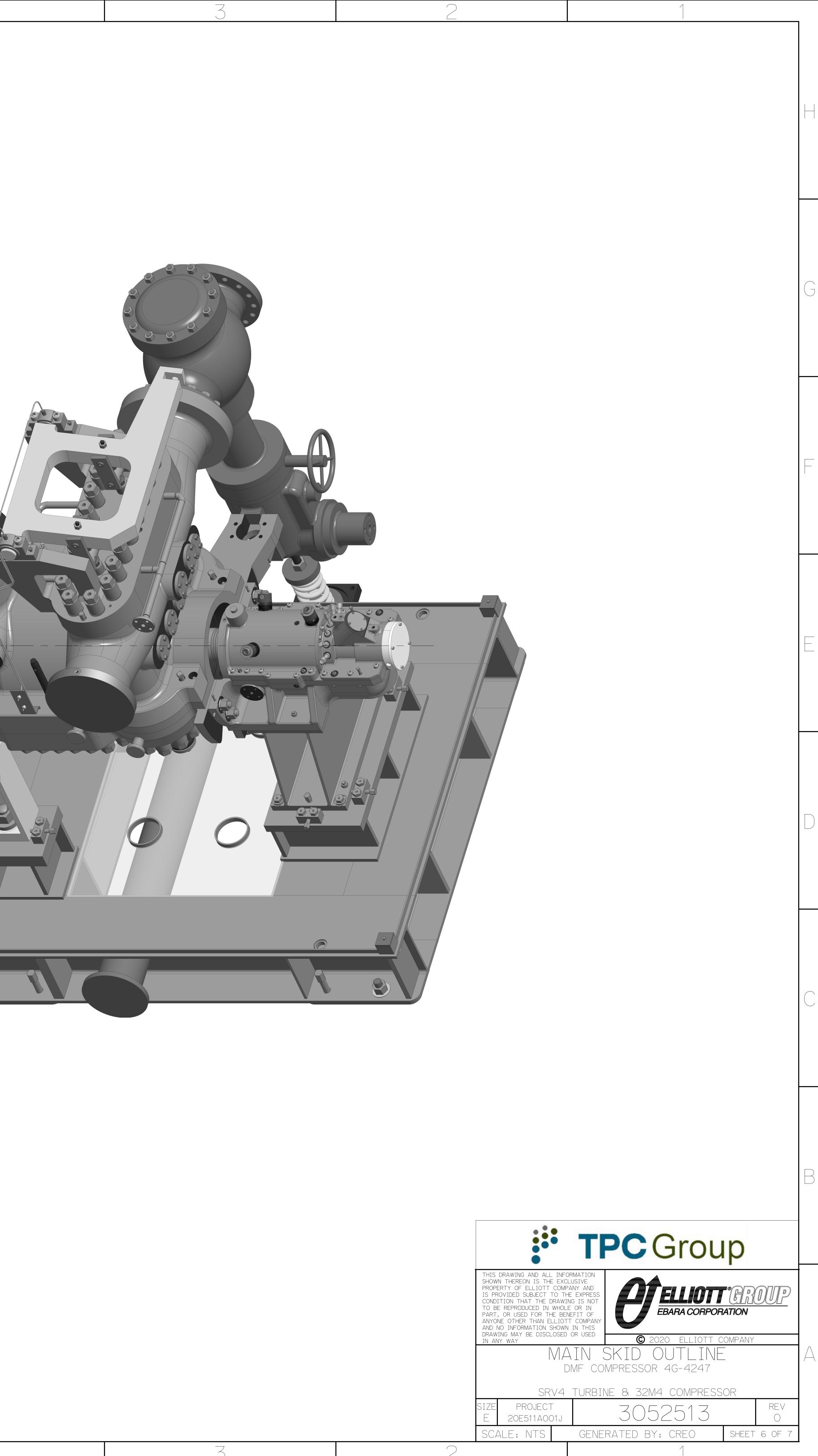
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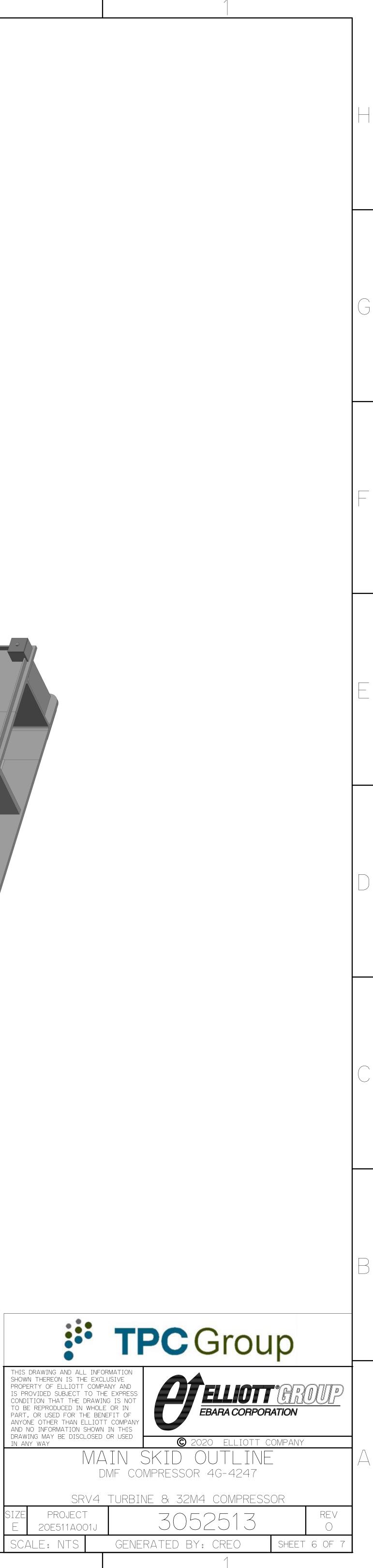




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OUTLIN	NE 8		6	5	4
	3052513				
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G					
B					
DRAWING	10N ZON				
ATED DF					
GENER.	ANGE DI				





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Cab GENERATED DRAWING CAD GENERATED DRAWING Cab GENERATED DRAWING	

