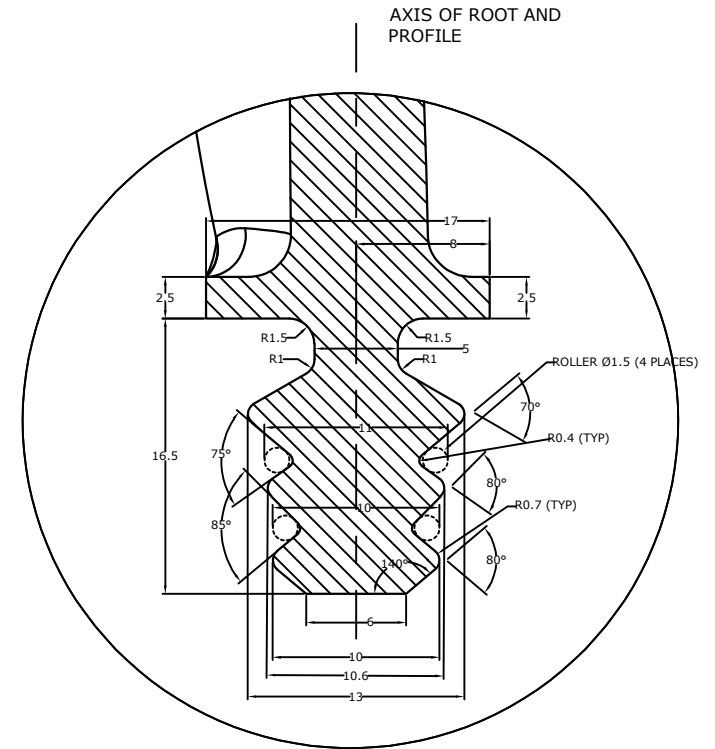
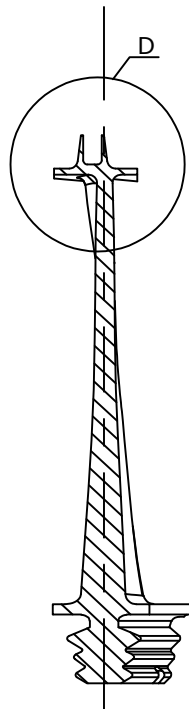


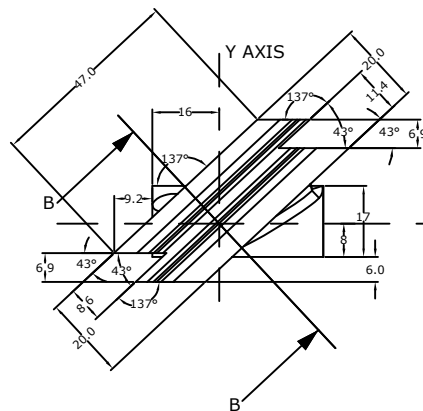
SECTION A-A



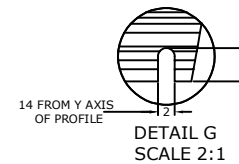
DETAIL F
SCALE 4:1



SECTION B-B
(ROTATED VIEW)



X AXIS
AXIS OF ROOT AND
PROFILE



DETAIL G
SCALE 2:1

	SHEET NO.	1	PART NO. 255.1625.4251	
	TOTAL SHEETS	2	PART NAME SECOND STAGE TURBINE BLADE	
SCALE 1:1	MATERIAL ALLOY STEEL		DATE: 10.06.2025	
DRAWN BY BIWAJIT S.	CHECKED BY JYOTI R. M.	APPROVED BY S. N. S. ROY	NEXT ASSEMBLY- 255.1625.5500	

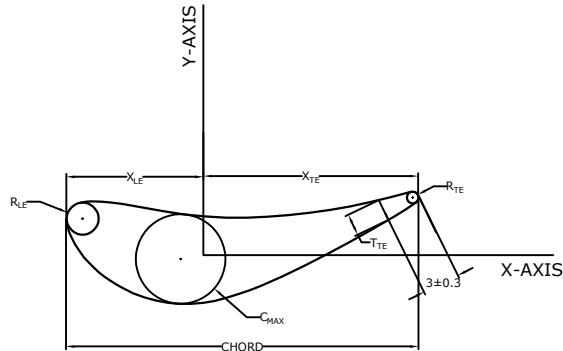
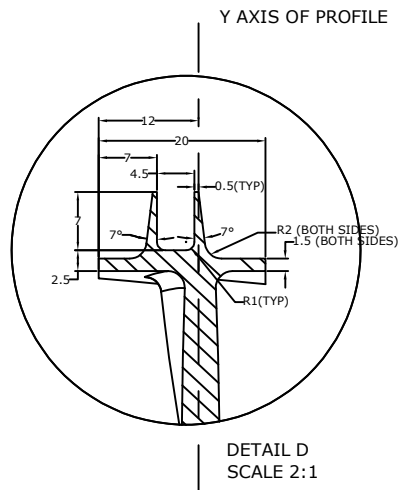
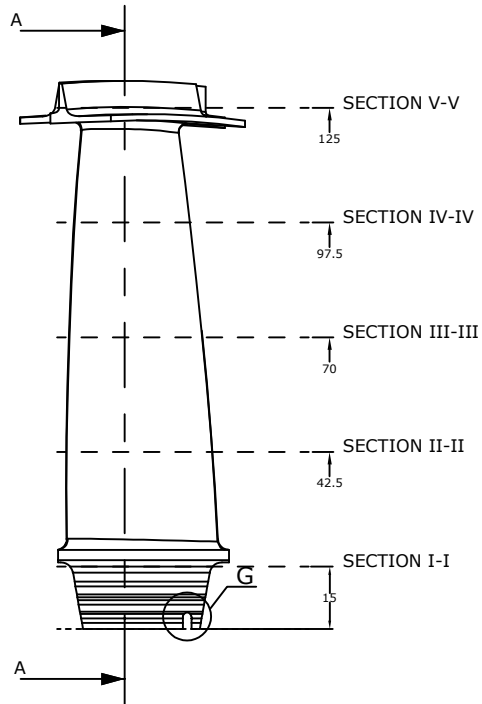


TABLE OF AEROFOIL DATA										
SECTION	I-I		II-II		III-III		IV-IV		V-V	
X	Ycc	Ycv	Ycc	Ycv	Ycc	Ycv	Ycc	Ycv	Ycc	Ycv
-13.5	2.5638	4.6404	-1.2977	0.9065	-	-	-	-	-	-
-12	-0.1366	5.2906	-2.8926	1.6431	-4.7596	-2.0993	-6.683	-5.8615	-	-
-10.5	-1.6763	5.3628	-3.8149	2.0124	-5.1937	-1.3737	-7.2812	-4.374	-	-
-9	-2.778	5.2293	-4.4174	2.2374	-5.3434	-0.7907	-7.2737	-3.2989	-9.6241	-7.651
-7.5	-3.5972	4.9928	-4.8004	2.395	-5.3101	-0.2695	-7.0076	-2.3404	-9.1508	-5.8675
-6	-4.1989	4.7164	-5.007	2.5363	-5.1341	0.2361	-6.5591	-1.4187	-8.3072	-4.2685
-4.5	-4.6133	4.45	-5.0596	2.6951	-4.8345	0.7558	-5.959	-0.4851	-7.2304	-2.7103
-3	-4.8457	4.2134	-4.9629	2.8829	-4.4183	1.2995	-5.2199	0.478	-5.9629	-1.1267
-1.5	-4.8981	4.0156	-4.7084	3.1071	-3.8779	1.8741	-4.3383	1.4805	-4.5146	0.5035
0	-4.7769	3.8648	-4.293	3.3761	-3.2034	2.4876	-3.2926	2.5346	-2.8594	2.1991
1.5	-4.4931	3.77	-3.7135	3.6971	-2.3864	3.1452	-2.0616	3.6465	-0.9585	3.9712
3	-4.0769	3.7326	-2.9839	4.0695	-1.4288	3.8455	-0.6303	4.812	1.2084	5.811
4.5	-3.5631	3.7477	-2.1383	4.4871	-0.3581	4.582	0.9711	6.0217	3.585	7.7072
6	-2.9731	3.8059	-1.2029	4.9421	0.7996	5.3495	2.7028	7.2722	6.1167	9.6596
7.5	-2.3222	3.9012	-0.1957	5.4315	2.0265	6.1466	4.5377	8.5649	8.7632	11.6786
9	-1.6211	4.0317	0.8705	5.9546	3.3094	6.9744	6.4525	9.9068	11.4925	13.7692
10.5	-0.8803	4.1971	1.9834	6.5132	4.6361	7.8373	8.4292	11.302	14.2877	15.9234
12	-0.1065	4.4007	3.1345	7.1122	5.9981	8.7379	10.4537	12.7467	17.1881	18.1253
13.5	0.694	4.6459	4.3162	7.7528	7.388	9.6742	12.5259	14.2355	-	-
15	1.5167	4.932	5.524	8.4323	8.8045	10.6423	14.6853	15.7556	-	-
16.5	2.3602	5.2549	6.7573	9.1463	10.2549	11.6386	17.255	17.3212	-	-
18	3.2262	5.6106	8.0232	9.8914	11.785	12.6518	-	-	-	-
19.5	4.1235	5.9955	9.3512	10.6585	13.5959	13.6962	-	-	-	-
21	5.0858	6.4002	10.9054	11.4384	-	-	-	-	-	-
22.5	6.2487	6.8162	-	-	-	-	-	-	-	-
CHORD	36.105		36.592		35.866		35.256		34.518	
C _{MAX}	8.98		7.78		5.38		4.86		3.41	
R _{LE}	1.6		1.6		1.2		0.75		0.8	
R _{TE}	0.4		0.3		0.25		0.3		0.25	
T _{TE}	1.725		1.431		1.1166		1.1106		0.846	
X _{LE}	13.767		13.896		13.212		12.064		9.67	
X _{TE}	22.234		20.869		18.658		15.44		12.124	

	SHEET NO.	2	PART NO. 255.1625.4251	
	TOTAL SHEETS	2	PART NAME SECOND STAGE TURBINE BLADE	
SCALE 1:1	MATERIAL ALLOY STEEL			DATE: 10.06.2025
DRAWN BY BIWAJIT S.	CHECKED BY JYOTI R. M.	APPROVED BY S. N. S. ROY	NEXT ASSEMBLY- 255.1625.5500	