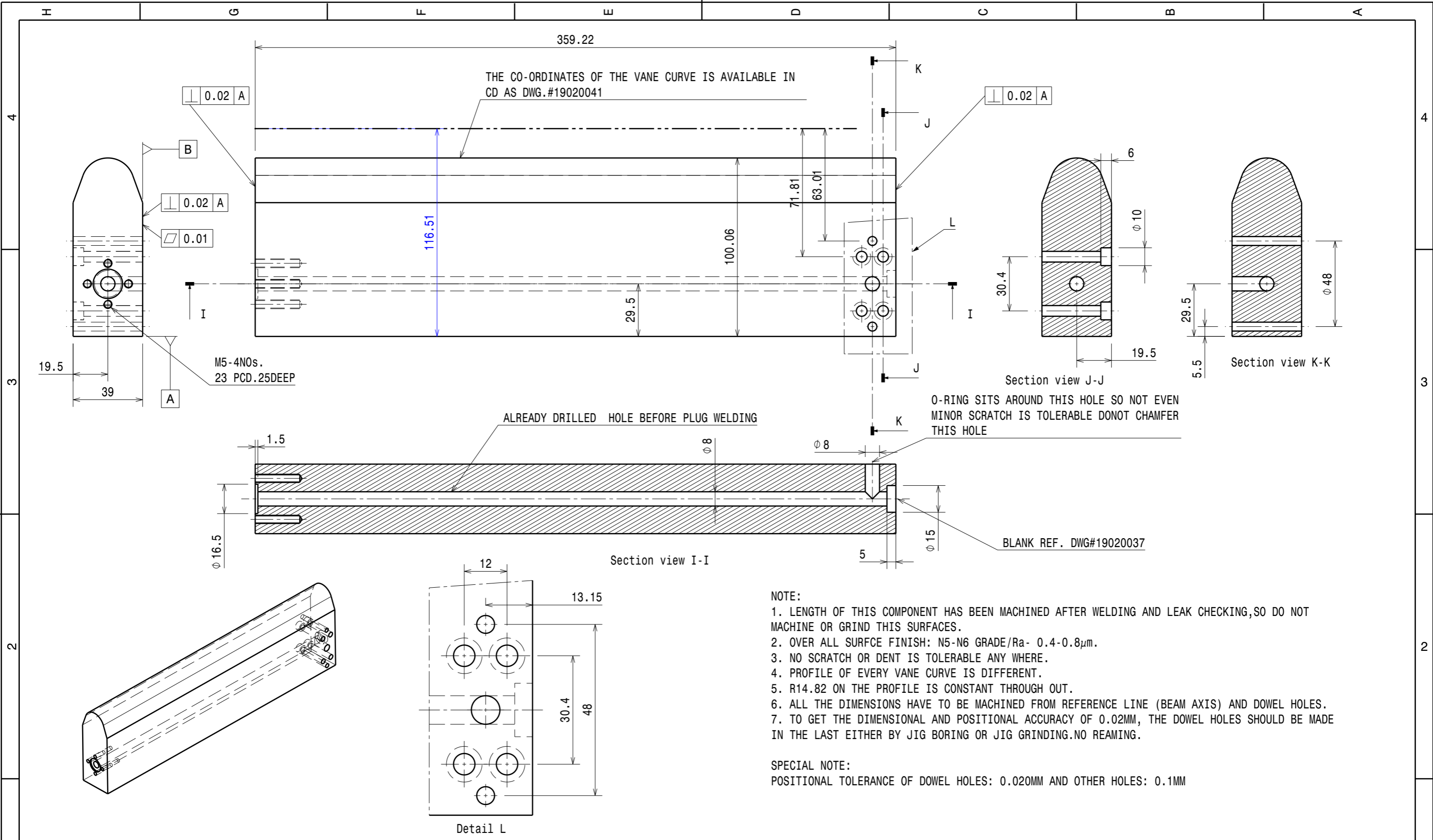


This file has been cleaned of potential threats.



To view the reconstructed contents, please SCROLL DOWN to next page.


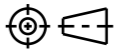

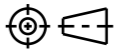

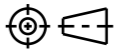


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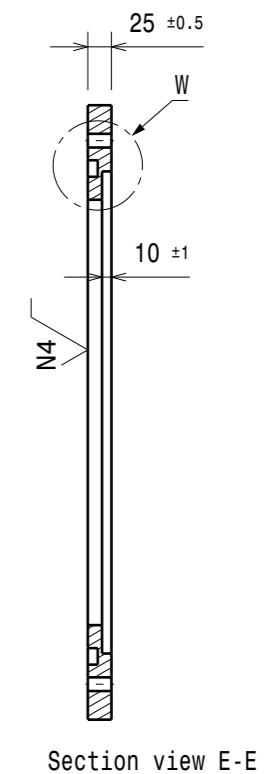
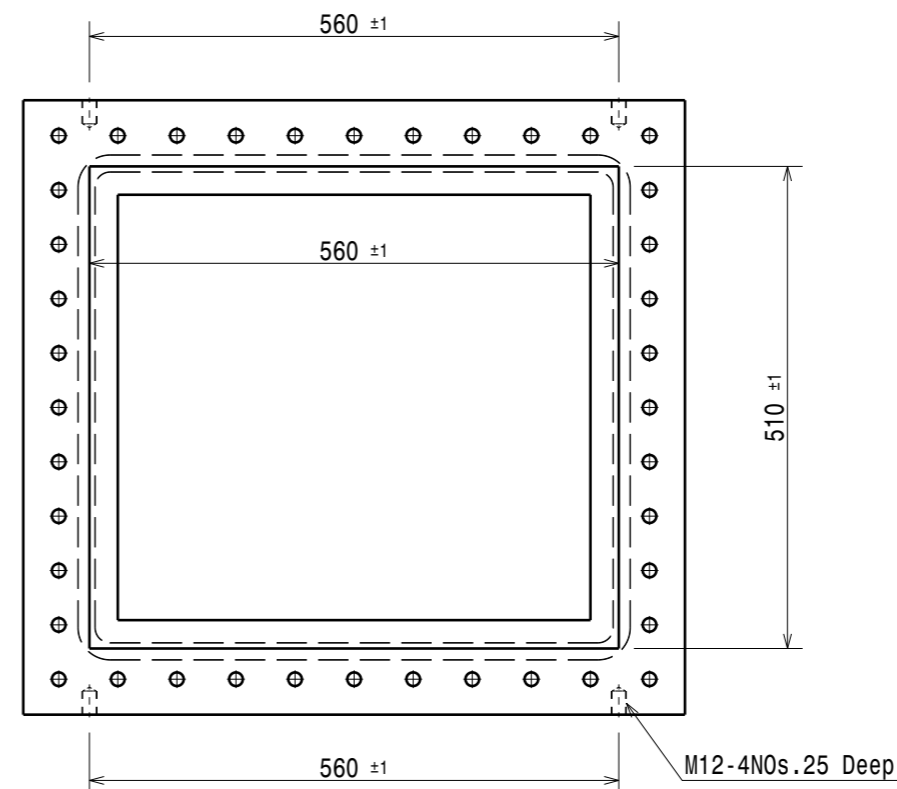
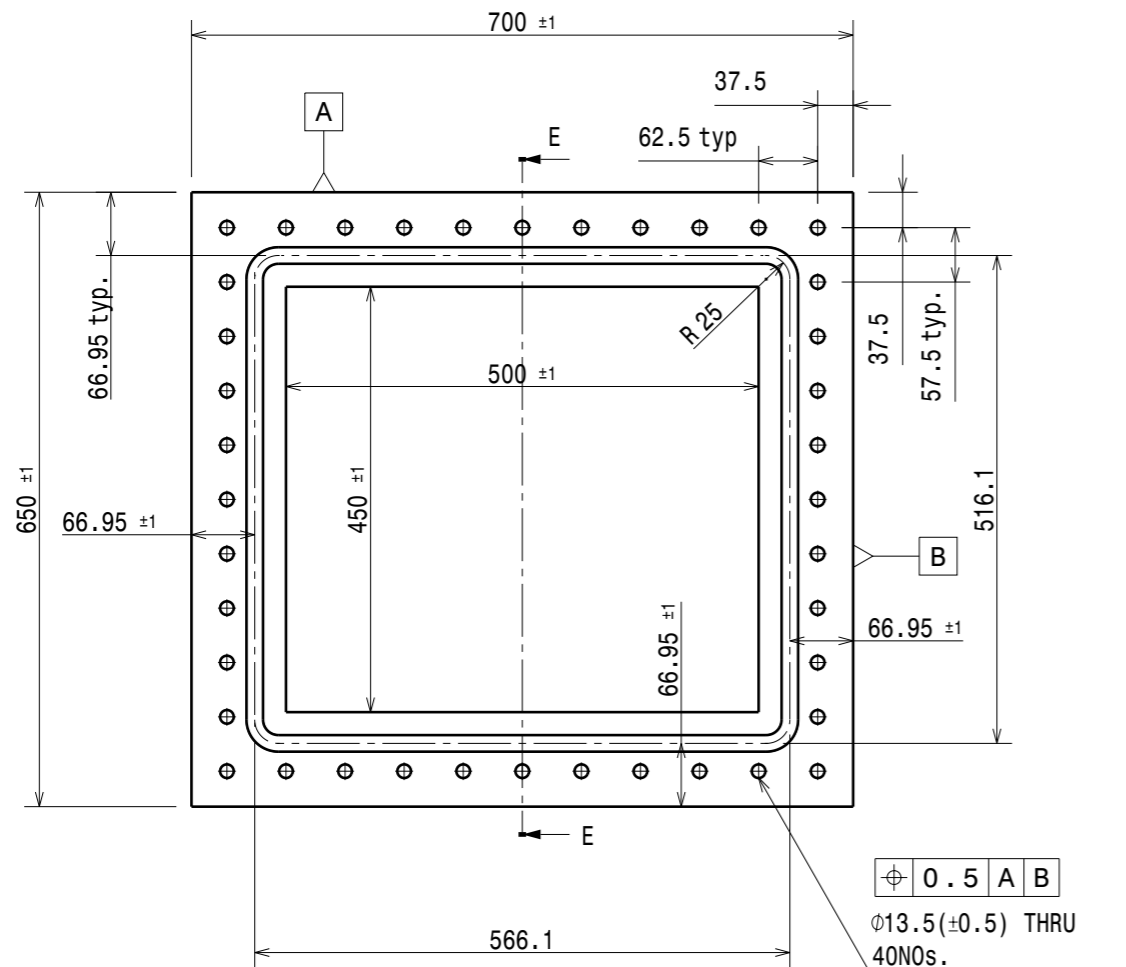
1. LENGTH OF THIS COMPONENT HAS BEEN MACHINED AFTER WELDING AND LEAK CHECKING,SO DO NOT MACHINE OR GRIND THIS SURFACES.
2. OVER ALL SURFACE FINISH: N5-N6 GRADE/Ra- 0.4-0.8 μ m.
3. NO SCRATCH OR DENT IS TOLERABLE ANY WHERE.
4. PROFILE OF EVERY VANE CURVE IS DIFFERENT.
5. R14.82 ON THE PROFILE IS CONSTANT THROUGH OUT.
6. ALL THE DIMENSIONS HAVE TO BE MACHINED FROM REFERENCE LINE (BEAM AXIS) AND DOWEL HOLES.
7. TO GET THE DIMENSIONAL AND POSITIONAL ACCURACY OF 0.02MM, THE DOWEL HOLES SHOULD BE MADE IN THE LAST EITHER BY JIG BORING OR JIG GRINDING.NO REAMING.



SPECIAL NOTE:
POSITIONAL TOLERANCE OF DOWEL HOLES: 0.020MM AND OTHER HOLES: 0.1MM

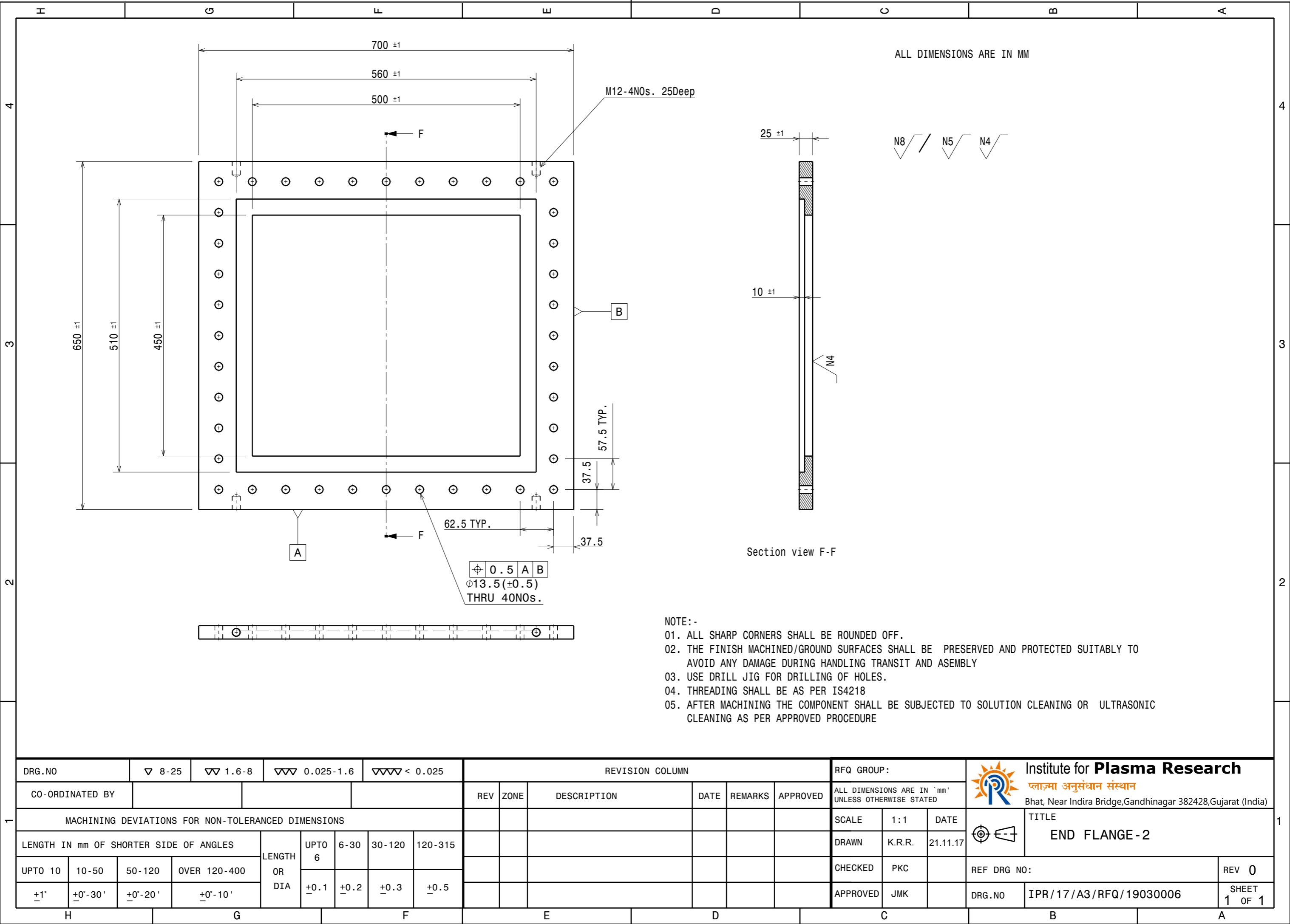
DRG.NO		▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽ < 0.025		REVISION COLUMN					RFQ GROUP:			<div><div><div>Institute for Plasma Research</div><div>प्लाज़्मा अनुसंधान संस्थान</div><div>Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</div></div></div>		
CO-ORDINATED BY										REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm' UNLESS OTHERWISE STATED				
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																SCALE	1:1	DATE	<div></div> <div>TITLE</div> <div>VER. ROD UPPER SEGMENT 5-PROTOTYPE</div>	
LENGTH IN mm OF SHORTER SIDE OF ANGLES				LENGTH OR DIA	UPTO 6	6-30	30-120	120-315							DRAWN	K.R.R.	11.01.18			
UPTO 10	10-50	50-120	OVER 120-400												CHECKED	PKC		REF DRG NO:		REV 0
+1°	+0°-30'	+0°-20'	+0°-10'		+0.1	+0.2	+0.3	+0.5							APPROVED	JMK		DRG.NO		IPR/17/A3/RFQ/19020035


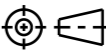
BILL OF MATERIALS																																																																																																																																																																																																																																																																																																																	
<table><tr><td>ITEM NO</td><td>PART NAME</td><td>MATERIAL</td><td>DESCRIPTION</td><td>QTY</td><td>ITEM NO</td><td>PART NAME</td><td>MATERIAL</td><td>DESCRIPTION</td><td>QTY</td></tr><tr><td>01</td><td>BASE PLATE -1</td><td>AS PER DWG.</td><td>DRG.#19020003</td><td>01</td><td>29</td><td>TOP PLATE</td><td></td><td>19030020</td><td>02</td></tr><tr><td>02</td><td>BASE PLATE -2</td><td>AS PER DWG.</td><td>DRG.#19020004</td><td>01</td><td>30</td><td>TOP PLATE COVER -1</td><td></td><td>19030023</td><td>01</td></tr><tr><td>03</td><td>STEM -1</td><td>AS PER DWG.</td><td>DRG.#19020007</td><td>08</td><td>31</td><td>TOP PLATE COVER -2</td><td></td><td>19030024</td><td>01</td></tr><tr><td>04</td><td>STEM -2</td><td>AS PER DWG.</td><td>DRG.#19020008</td><td>02</td><td>32</td><td>KF25 PORT</td><td></td><td>19030025</td><td>02</td></tr><tr><td>05</td><td>STEM -3</td><td>AS PER DWG.</td><td>DRG.#19020009</td><td>02</td><td>33</td><td>CF 40 PORT</td><td></td><td>19030026</td><td>01</td></tr><tr><td>06</td><td>HOR. ROD LEFT SEGMENT (1TO 6)</td><td>AS PER DWG.</td><td>DRG.#19020011 TO DRG.#19020016</td><td>06</td><td>34</td><td>DN250 VACUUM PORT</td><td></td><td>19030027</td><td>03</td></tr><tr><td>07</td><td>HOR. ROD RIGHT SEGMENT (1TO 6)</td><td>AS PER DWG.</td><td>DRG.#19020017 TO DRG.#19020022</td><td>06</td><td>35</td><td>DN 75 RF PORT</td><td></td><td>19030028</td><td>01</td></tr><tr><td>08</td><td>VER. ROD LOWER SEGMENT (1 TO6)</td><td>AS PER DWG.</td><td>DRG.#19020023 TO DRG.#19020027 &29</td><td>06</td><td>36</td><td>KF40 PORT</td><td></td><td>19030029</td><td>01</td></tr><tr><td>09</td><td>VER. ROD UPPER SEGMENT (1 TO6)</td><td>AS PER DWG.</td><td>DRG.#19020030 TO DRG.#19020034&36</td><td>06</td><td>37</td><td>CF63 PORT</td><td></td><td>19030030</td><td>01</td></tr><tr><td>10</td><td>VER. ROD LOWER SEGMENT 5-PROTOTYPE</td><td>AS PER DWG.</td><td>DRG.#19020028</td><td>01</td><td>38</td><td>1/4"-19 BSP x35L ALLEN BOLT ,WASHER</td><td>SS 304</td><td>FOR BASE PLATE TO VACUUM VESSEL BOTTOM PLATE</td><td>210</td></tr><tr><td>11</td><td>VER. ROD UPPER SEGMENT 5-PROTOTYPE</td><td>AS PER DWG.</td><td>DRG.#19020035</td><td>01</td><td>39</td><td>1/8"-28 BSPx25L ALLEN BOLT ,WASHER</td><td>SS 304</td><td>FOR BASE PLATE TO STEM</td><td>280</td></tr><tr><td>12</td><td>END FLANGE -1</td><td>AS PER DWG.</td><td>DRG.#19030005</td><td>03</td><td>40</td><td>M5x35L BOLT ,WASHER</td><td>SS 304</td><td>FOR BASE PLATE TO STEM</td><td>100</td></tr><tr><td>13</td><td>END FLANGE -2</td><td>AS PER DWG.</td><td>DRG.#19030006</td><td>01</td><td>41</td><td>M5x50L ALLEN BOLT ,WASHER</td><td>SS 304</td><td>FOR ROD TO STEM</td><td>100</td></tr><tr><td>14</td><td>END FLANGE COVER -1</td><td>AS PER DWG.</td><td>DRG.#19030007</td><td>01</td><td>42</td><td>Ø5 DOWEL PIN</td><td>SS 304</td><td>FOR STEM TO BASE PLATE</td><td>30</td></tr><tr><td>15</td><td>END FLANGE COVER -2</td><td>AS PER DWG.</td><td>DRG.#19030008</td><td>01</td><td>43</td><td>Ø5 DOWEL PIN</td><td>SS 304</td><td>FOR ROD TO STEM</td><td>55</td></tr><tr><td>16</td><td>END FLANGE COVER -3-PROTOTYPE</td><td>AS PER DWG.</td><td>DRG.#19030014</td><td>01</td><td>44</td><td>M12x75L BOLT WITH DUAL NUT , WASHER</td><td>SS 304</td><td>FOR FLANGE TO FLANGE</td><td>125</td></tr><tr><td>17</td><td>O-RING -1</td><td>AS PER DWG.</td><td>DRG.#19030009</td><td>03</td><td>45</td><td>1/4"-19 BSP x35L BOLT WITH WASHER</td><td>SS 304</td><td>FOR TOP PLATE COVER TO TOP PLATE</td><td>160</td></tr><tr><td>18</td><td>O-RING -2</td><td>AS PER DWG.</td><td>DRG.#19030010</td><td>02</td><td>46</td><td>DOUBTY SEAL</td><td>VITON WITH SS RING</td><td>FOR STEM TO VANE</td><td>50</td></tr><tr><td>19</td><td>O-RING -3</td><td>AS PER DWG.</td><td>DRG.#19030011</td><td>01</td><td>47</td><td>COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE</td><td>COPPER OHFC</td><td>19020038</td><td>01</td></tr><tr><td>20</td><td>O-RING -4</td><td>AS PER DWG.</td><td>DRG.#19030031</td><td>01</td><td>48</td><td>COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE</td><td>COPPER OHFC</td><td>19020039</td><td>01</td></tr><tr><td>21</td><td>O-RING -5</td><td>AS PER DWG.</td><td>DRG.#19020005</td><td>08</td><td>49</td><td>END PLUG FOR VANES</td><td>COPPER OHFC</td><td>19020037</td><td>--</td></tr><tr><td>22</td><td>O-RING -6</td><td>AS PER DWG.</td><td>DRG.#19020006</td><td>04</td><td>50</td><td>STEM SLOT COVER FOR PROTOTYPE</td><td>COPPER OHFC</td><td>19020040</td><td>02</td></tr><tr><td>23</td><td>BOTTOM PLATE -1</td><td>AS PER DWG.</td><td>DRG.#19030012</td><td>01</td><td>51</td><td>HELICOFLEX SEAL FOR 40CF</td><td>AS PER STD</td><td>TOP PLATE TO 40CF PORT</td><td>01</td></tr><tr><td>24</td><td>BOTTOM PLATE -2</td><td>AS PER DWG.</td><td>DRG.#19030013</td><td>01</td><td>52</td><td>HELICOFLEX SEAL FOR 63CF</td><td>AS PER STD</td><td>END COVER PLATE TO 63 CF PORT</td><td>01</td></tr><tr><td>25</td><td>SIDE PLATE -1</td><td>AS PER DWG.</td><td>DRG.#19030015</td><td>01</td><td>53</td><td>HELICOFLEX SEAL FOR 75CF</td><td>AS PER STD</td><td>SIDE PLATE TO 75CF PORT</td><td>01</td></tr><tr><td>26</td><td>SIDE PLATE -2</td><td>AS PER DWG.</td><td>DRG.#19030016</td><td>01</td><td>54</td><td>HELICOFLEX SEAL FOR 250CF</td><td>AS PER STD</td><td>SIDE PLATE TO 250 CF PORT</td><td>03</td></tr><tr><td>27</td><td>SIDE PLATE -3</td><td>AS PER DWG.</td><td>DRG.#19030018</td><td>01</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>28</td><td>SIDE PLATE -4</td><td>AS PER DWG.</td><td>DRG.#19030019</td><td>01</td><td></td><td></td><td></td><td></td><td></td></tr></table>																ITEM NO	PART NAME	MATERIAL	DESCRIPTION	QTY	ITEM NO	PART NAME	MATERIAL	DESCRIPTION	QTY	01	BASE PLATE -1	AS PER DWG.	DRG.#19020003	01	29	TOP PLATE		19030020	02	02	BASE PLATE -2	AS PER DWG.	DRG.#19020004	01	30	TOP PLATE COVER -1		19030023	01	03	STEM -1	AS PER DWG.	DRG.#19020007	08	31	TOP PLATE COVER -2		19030024	01	04	STEM -2	AS PER DWG.	DRG.#19020008	02	32	KF25 PORT		19030025	02	05	STEM -3	AS PER DWG.	DRG.#19020009	02	33	CF 40 PORT		19030026	01	06	HOR. ROD LEFT SEGMENT (1TO 6)	AS PER DWG.	DRG.#19020011 TO DRG.#19020016	06	34	DN250 VACUUM PORT		19030027	03	07	HOR. ROD RIGHT SEGMENT (1TO 6)	AS PER DWG.	DRG.#19020017 TO DRG.#19020022	06	35	DN 75 RF PORT		19030028	01	08	VER. ROD LOWER SEGMENT (1 TO6)	AS PER DWG.	DRG.#19020023 TO DRG.#19020027 &29	06	36	KF40 PORT		19030029	01	09	VER. ROD UPPER SEGMENT (1 TO6)	AS PER DWG.	DRG.#19020030 TO DRG.#19020034&36	06	37	CF63 PORT		19030030	01	10	VER. ROD LOWER SEGMENT 5-PROTOTYPE	AS PER DWG.	DRG.#19020028	01	38	1/4"-19 BSP x35L ALLEN BOLT ,WASHER	SS 304	FOR BASE PLATE TO VACUUM VESSEL BOTTOM PLATE	210	11	VER. ROD UPPER SEGMENT 5-PROTOTYPE	AS PER DWG.	DRG.#19020035	01	39	1/8"-28 BSPx25L ALLEN BOLT ,WASHER	SS 304	FOR BASE PLATE TO STEM	280	12	END FLANGE -1	AS PER DWG.	DRG.#19030005	03	40	M5x35L BOLT ,WASHER	SS 304	FOR BASE PLATE TO STEM	100	13	END FLANGE -2	AS PER DWG.	DRG.#19030006	01	41	M5x50L ALLEN BOLT ,WASHER	SS 304	FOR ROD TO STEM	100	14	END FLANGE COVER -1	AS PER DWG.	DRG.#19030007	01	42	Ø5 DOWEL PIN	SS 304	FOR STEM TO BASE PLATE	30	15	END FLANGE COVER -2	AS PER DWG.	DRG.#19030008	01	43	Ø5 DOWEL PIN	SS 304	FOR ROD TO STEM	55	16	END FLANGE COVER -3-PROTOTYPE	AS PER DWG.	DRG.#19030014	01	44	M12x75L BOLT WITH DUAL NUT , WASHER	SS 304	FOR FLANGE TO FLANGE	125	17	O-RING -1	AS PER DWG.	DRG.#19030009	03	45	1/4"-19 BSP x35L BOLT WITH WASHER	SS 304	FOR TOP PLATE COVER TO TOP PLATE	160	18	O-RING -2	AS PER DWG.	DRG.#19030010	02	46	DOUBTY SEAL	VITON WITH SS RING	FOR STEM TO VANE	50	19	O-RING -3	AS PER DWG.	DRG.#19030011	01	47	COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE	COPPER OHFC	19020038	01	20	O-RING -4	AS PER DWG.	DRG.#19030031	01	48	COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE	COPPER OHFC	19020039	01	21	O-RING -5	AS PER DWG.	DRG.#19020005	08	49	END PLUG FOR VANES	COPPER OHFC	19020037	--	22	O-RING -6	AS PER DWG.	DRG.#19020006	04	50	STEM SLOT COVER FOR PROTOTYPE	COPPER OHFC	19020040	02	23	BOTTOM PLATE -1	AS PER DWG.	DRG.#19030012	01	51	HELICOFLEX SEAL FOR 40CF	AS PER STD	TOP PLATE TO 40CF PORT	01	24	BOTTOM PLATE -2	AS PER DWG.	DRG.#19030013	01	52	HELICOFLEX SEAL FOR 63CF	AS PER STD	END COVER PLATE TO 63 CF PORT	01	25	SIDE PLATE -1	AS PER DWG.	DRG.#19030015	01	53	HELICOFLEX SEAL FOR 75CF	AS PER STD	SIDE PLATE TO 75CF PORT	01	26	SIDE PLATE -2	AS PER DWG.	DRG.#19030016	01	54	HELICOFLEX SEAL FOR 250CF	AS PER STD	SIDE PLATE TO 250 CF PORT	03	27	SIDE PLATE -3	AS PER DWG.	DRG.#19030018	01						28	SIDE PLATE -4	AS PER DWG.	DRG.#19030019	01					
ITEM NO	PART NAME	MATERIAL	DESCRIPTION	QTY	ITEM NO	PART NAME	MATERIAL	DESCRIPTION	QTY																																																																																																																																																																																																																																																																																																								
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02	BASE PLATE -2	AS PER DWG.	DRG.#19020004	01	30	TOP PLATE COVER -1		19030023	01																																																																																																																																																																																																																																																																																																								
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06	HOR. ROD LEFT SEGMENT (1TO 6)	AS PER DWG.	DRG.#19020011 TO DRG.#19020016	06	34	DN250 VACUUM PORT		19030027	03																																																																																																																																																																																																																																																																																																								
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09	VER. ROD UPPER SEGMENT (1 TO6)	AS PER DWG.	DRG.#19020030 TO DRG.#19020034&36	06	37	CF63 PORT		19030030	01																																																																																																																																																																																																																																																																																																								
10	VER. ROD LOWER SEGMENT 5-PROTOTYPE	AS PER DWG.	DRG.#19020028	01	38	1/4"-19 BSP x35L ALLEN BOLT ,WASHER	SS 304	FOR BASE PLATE TO VACUUM VESSEL BOTTOM PLATE	210																																																																																																																																																																																																																																																																																																								
11	VER. ROD UPPER SEGMENT 5-PROTOTYPE	AS PER DWG.	DRG.#19020035	01	39	1/8"-28 BSPx25L ALLEN BOLT ,WASHER	SS 304	FOR BASE PLATE TO STEM	280																																																																																																																																																																																																																																																																																																								
12	END FLANGE -1	AS PER DWG.	DRG.#19030005	03	40	M5x35L BOLT ,WASHER	SS 304	FOR BASE PLATE TO STEM	100																																																																																																																																																																																																																																																																																																								
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14	END FLANGE COVER -1	AS PER DWG.	DRG.#19030007	01	42	Ø5 DOWEL PIN	SS 304	FOR STEM TO BASE PLATE	30																																																																																																																																																																																																																																																																																																								
15	END FLANGE COVER -2	AS PER DWG.	DRG.#19030008	01	43	Ø5 DOWEL PIN	SS 304	FOR ROD TO STEM	55																																																																																																																																																																																																																																																																																																								
16	END FLANGE COVER -3-PROTOTYPE	AS PER DWG.	DRG.#19030014	01	44	M12x75L BOLT WITH DUAL NUT , WASHER	SS 304	FOR FLANGE TO FLANGE	125																																																																																																																																																																																																																																																																																																								
17	O-RING -1	AS PER DWG.	DRG.#19030009	03	45	1/4"-19 BSP x35L BOLT WITH WASHER	SS 304	FOR TOP PLATE COVER TO TOP PLATE	160																																																																																																																																																																																																																																																																																																								
18	O-RING -2	AS PER DWG.	DRG.#19030010	02	46	DOUBTY SEAL	VITON WITH SS RING	FOR STEM TO VANE	50																																																																																																																																																																																																																																																																																																								
19	O-RING -3	AS PER DWG.	DRG.#19030011	01	47	COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE	COPPER OHFC	19020038	01																																																																																																																																																																																																																																																																																																								
20	O-RING -4	AS PER DWG.	DRG.#19030031	01	48	COOLING ARRANGEMENT OF ROD TO STEM -1 -PROTOTYPE	COPPER OHFC	19020039	01																																																																																																																																																																																																																																																																																																								
21	O-RING -5	AS PER DWG.	DRG.#19020005	08	49	END PLUG FOR VANES	COPPER OHFC	19020037	--																																																																																																																																																																																																																																																																																																								
22	O-RING -6	AS PER DWG.	DRG.#19020006	04	50	STEM SLOT COVER FOR PROTOTYPE	COPPER OHFC	19020040	02																																																																																																																																																																																																																																																																																																								
23	BOTTOM PLATE -1	AS PER DWG.	DRG.#19030012	01	51	HELICOFLEX SEAL FOR 40CF	AS PER STD	TOP PLATE TO 40CF PORT	01																																																																																																																																																																																																																																																																																																								
24	BOTTOM PLATE -2	AS PER DWG.	DRG.#19030013	01	52	HELICOFLEX SEAL FOR 63CF	AS PER STD	END COVER PLATE TO 63 CF PORT	01																																																																																																																																																																																																																																																																																																								
25	SIDE PLATE -1	AS PER DWG.	DRG.#19030015	01	53	HELICOFLEX SEAL FOR 75CF	AS PER STD	SIDE PLATE TO 75CF PORT	01																																																																																																																																																																																																																																																																																																								
26	SIDE PLATE -2	AS PER DWG.	DRG.#19030016	01	54	HELICOFLEX SEAL FOR 250CF	AS PER STD	SIDE PLATE TO 250 CF PORT	03																																																																																																																																																																																																																																																																																																								
27	SIDE PLATE -3	AS PER DWG.	DRG.#19030018	01																																																																																																																																																																																																																																																																																																													
28	SIDE PLATE -4	AS PER DWG.	DRG.#19030019	01																																																																																																																																																																																																																																																																																																													
<table><tr><td colspan="2">DRG.NO</td><td>▽ 8-25</td><td>▽▽ 1.6-8</td><td>▽▽▽ 0.025-1.6</td><td>▽▽▽▽ < 0.025</td><td colspan="5">REVISION COLUMN</td><td colspan="3">RFQ GROUP:</td><td colspan="2" rowspan="2">Institute for Plasma Research પ્લાઝ્મા અનુસંધાન સંસ્થાન Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</td></tr><tr><td colspan="2">CO-ORDINATED BY</td><td colspan="4"></td><td>REV</td><td>ZONE</td><td>DESCRIPTION</td><td>DATE</td><td>REMARKS</td><td>APPROVED</td><td colspan="3">ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED</td></tr><tr><td colspan="6">MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS</td><td></td><td></td><td></td><td></td><td></td><td></td><td>SCALE</td><td>1:1</td><td>DATE</td><td colspan="2" rowspan="2">TITLE BILL OF MATERIAL</td></tr><tr><td colspan="4">LENGTH IN mm OF SHORTER SIDE OF ANGLES</td><td rowspan="3">LENGTH OR DIA</td><td>UPTO 6</td><td>6-30</td><td>30-120</td><td>120-315</td><td></td><td></td><td></td><td>DRAWN</td><td>K.R.R.</td><td>10.01.18</td></tr><tr><td>UPTO 10</td><td>10-50</td><td>50-120</td><td>OVER 120-400</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CHECKED</td><td>PKC</td><td></td><td colspan="2">REF DRG NO:</td><td>REV 0</td></tr><tr><td>+1°</td><td>+0°-30'</td><td>+0°-20'</td><td>+0°-10'</td><td>+0.1</td><td>+0.2</td><td>+0.3</td><td>+0.5</td><td></td><td></td><td></td><td></td><td>APPROVED</td><td>JMK</td><td></td><td>DRG.NO</td><td>IPR/17/A3/RFQ/19010003</td><td>SHEET 1 OF 1</td></tr><tr><td colspan="2">H</td><td colspan="3">G</td><td colspan="3">F</td><td colspan="2">E</td><td colspan="2">D</td><td colspan="2">C</td><td colspan="2">B</td><td colspan="2">A</td></tr></table>																DRG.NO		▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					RFQ GROUP:			 Institute for Plasma Research પ્લાઝ્મા અનુસંધાન સંસ્થાન Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)		CO-ORDINATED BY						REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED			MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS												SCALE	1:1	DATE	 TITLE BILL OF MATERIAL		LENGTH IN mm OF SHORTER SIDE OF ANGLES				LENGTH OR DIA	UPTO 6	6-30	30-120	120-315				DRAWN	K.R.R.	10.01.18	UPTO 10	10-50	50-120	OVER 120-400								CHECKED	PKC		REF DRG NO:		REV 0	+1°	+0°-30'	+0°-20'	+0°-10'	+0.1	+0.2	+0.3	+0.5					APPROVED	JMK		DRG.NO	IPR/17/A3/RFQ/19010003	SHEET 1 OF 1	H		G			F			E		D		C		B		A																																																																																																																																																																															
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H		G			F			E		D		C		B		A																																																																																																																																																																																																																																																																																																	

01. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
02. THE FINISH MACHINED/GROUND SURFACES SHALL BE PRESERVED AND PROTECTED SUITABLY TO AVOID ANY DAMAGE DURING HANDLING TRANSIT AND ASSEMBLY
03. USE DRILL JIG FOR DRILLING OF HOLES.
04. THREADING SHALL BE AS PER IS4218
05. AFTER MACHINING THE COMPONENT SHALL BE SUBJECTED TO SOLUTION CLEANING OR ULTRASONIC CLEANING AS PER APPROVED PROCEDURE

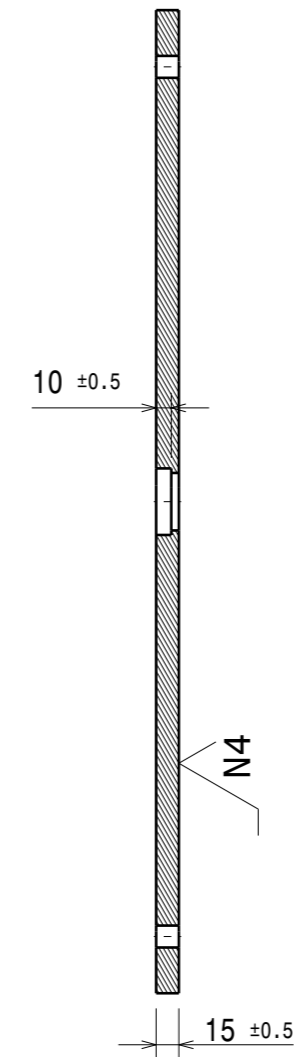


DRG.NO				▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						RFQ GROUP:			 <div>Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</div>	
CO-ORDINATED BY											REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED					
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																		SCALE	1:1	DATE	 TITLE END FLANGE - 1	
LENGTH IN mm OF SHORTER SIDE OF ANGLES				LENGTH OR DIA	UPTO 6	6-30	30-120	120-315								DRAWN	K.R.R.	21.11.17				
UPTO 10	10-50	50-120	OVER 120-400														CHECKED	PKC		REF DRG NO:		REV 0
+1"	+0"-30'	+0"-20'	+0"-10'		+0.1	+0.2	+0.3	+0.5									APPROVED	JMK		DRG.NO	IPR / 17 / A3 / RFQ / 19030005	

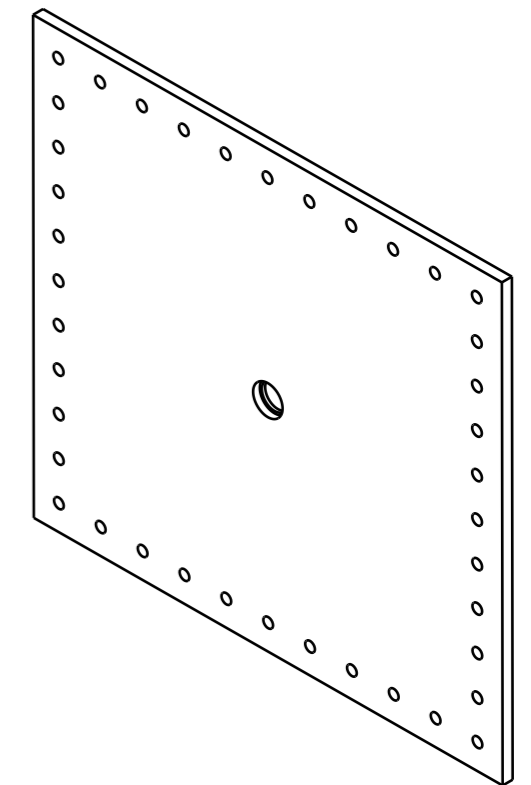




DRG.NO			▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						RFQ GROUP:			 <div>Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</div>			
CO-ORDINATED BY												REV	ZONE	DESCRIPTION		DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED				
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																		SCALE	1:1	DATE	 <div>TITLE END FLANGE - 2</div>		
LENGTH IN mm OF SHORTER SIDE OF ANGLES					LENGTH OR DIA	UPTO 6	6-30	30-120	120-315								DRAWN	K.R.R.	21.11.17				
UPTO 10	10-50	50-120	OVER 120-400															CHECKED	PKC		REF DRG NO:		REV 0
+1°	+0°-30 '	+0°-20 '	+0°-10 '			+0.1	+0.2	+0.3	+0.5									APPROVED	JMK		DRG.NO	IPR/17/A3/RFQ/19030006	

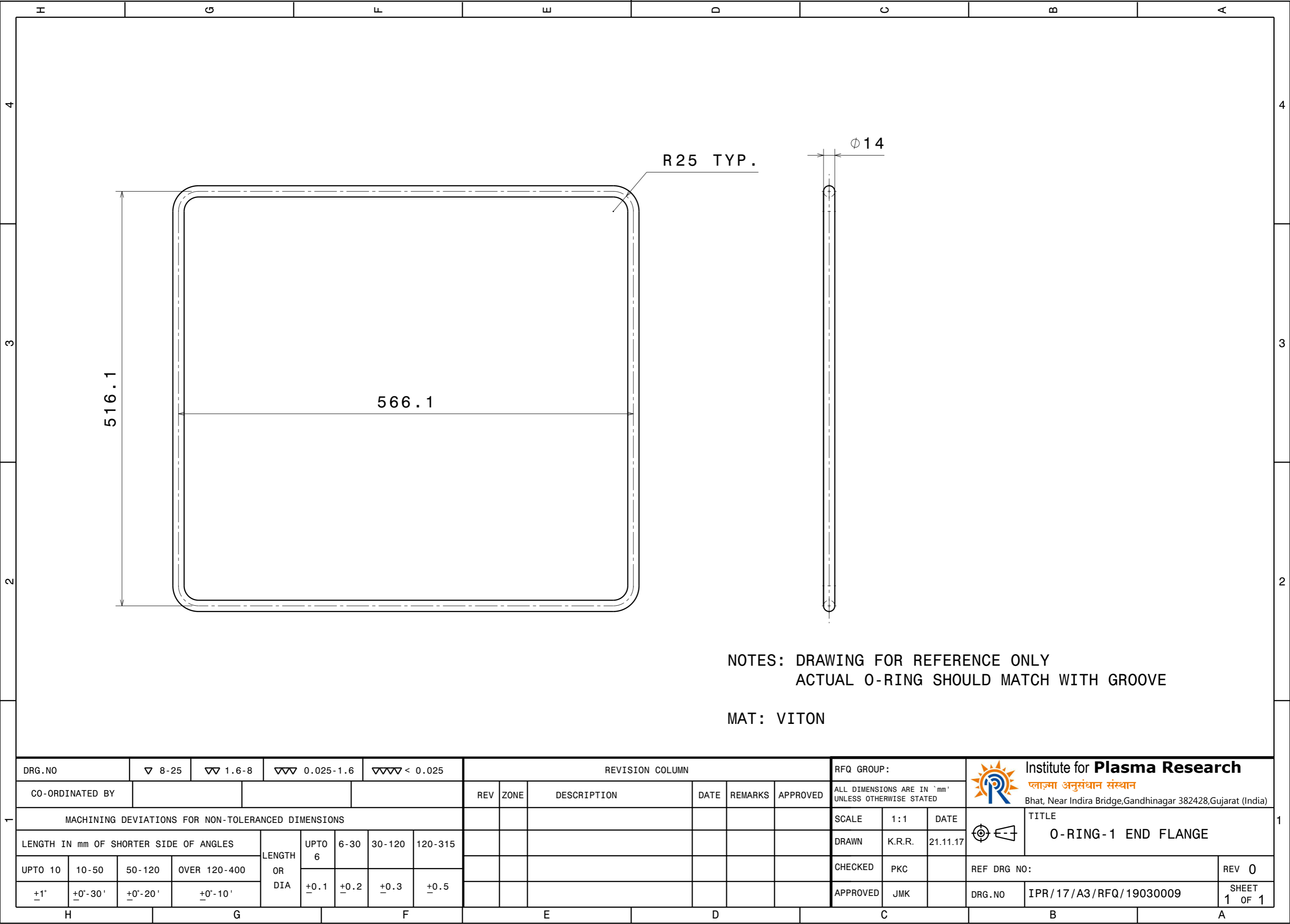
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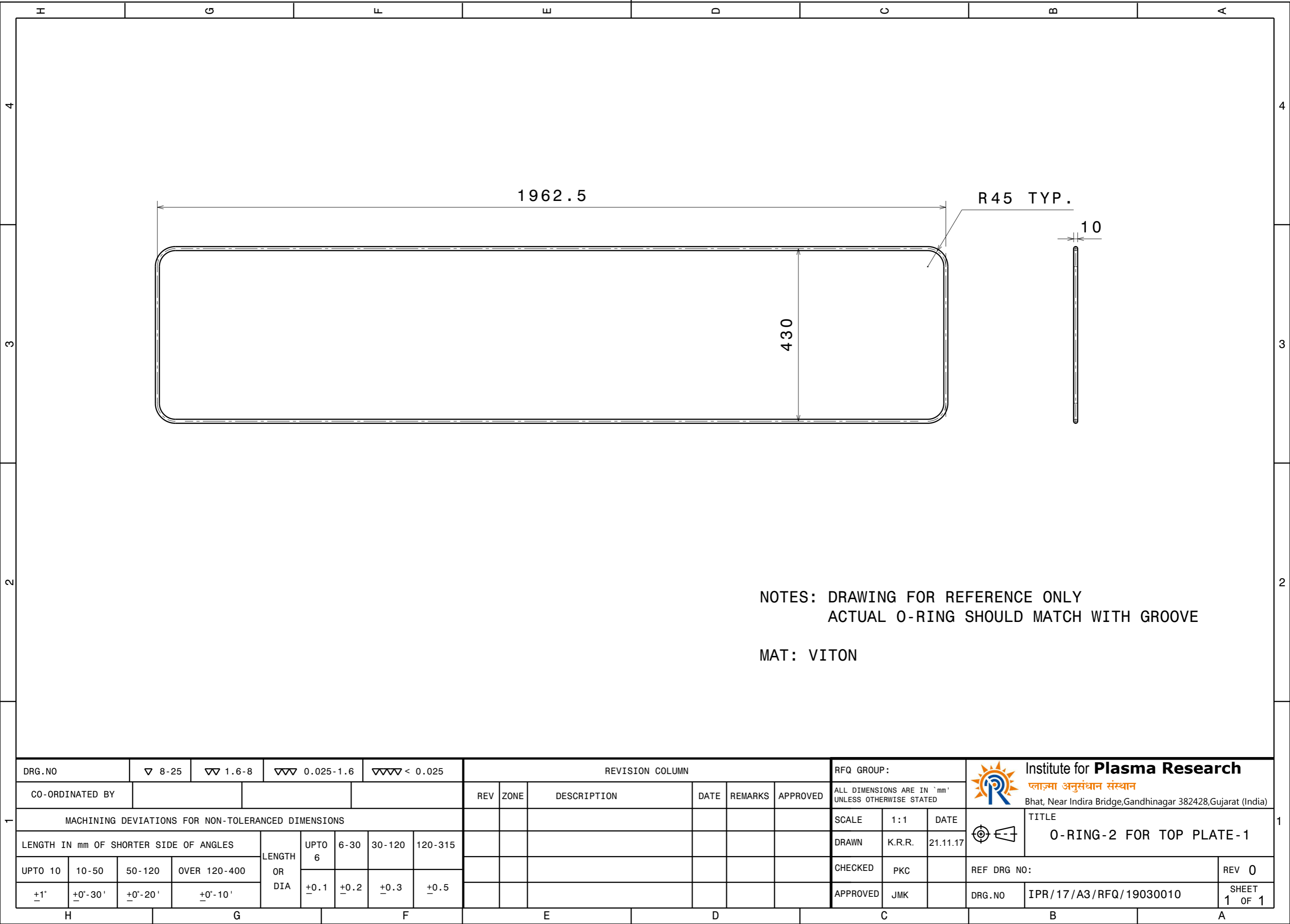


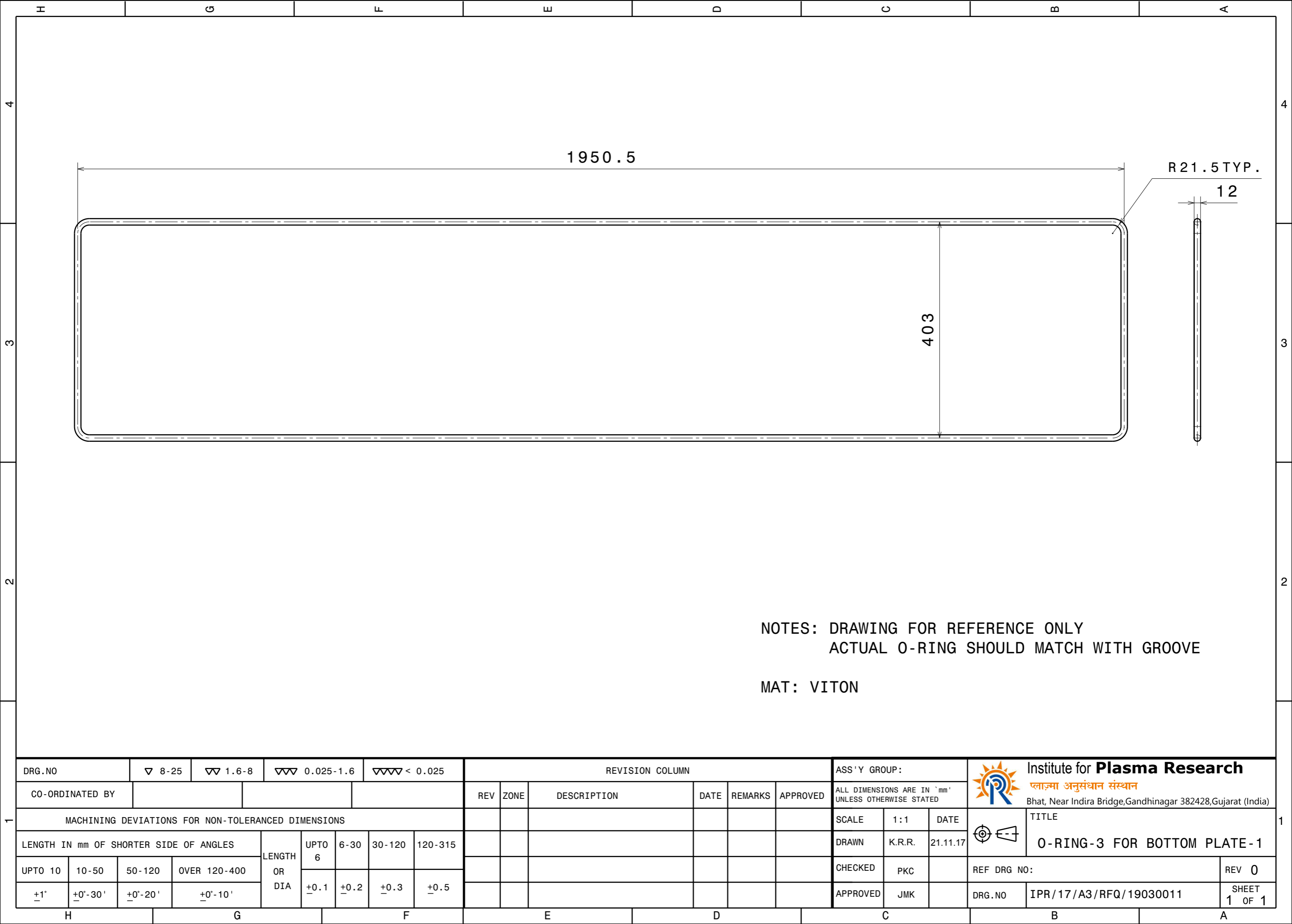
N8 / N5 N4


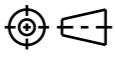


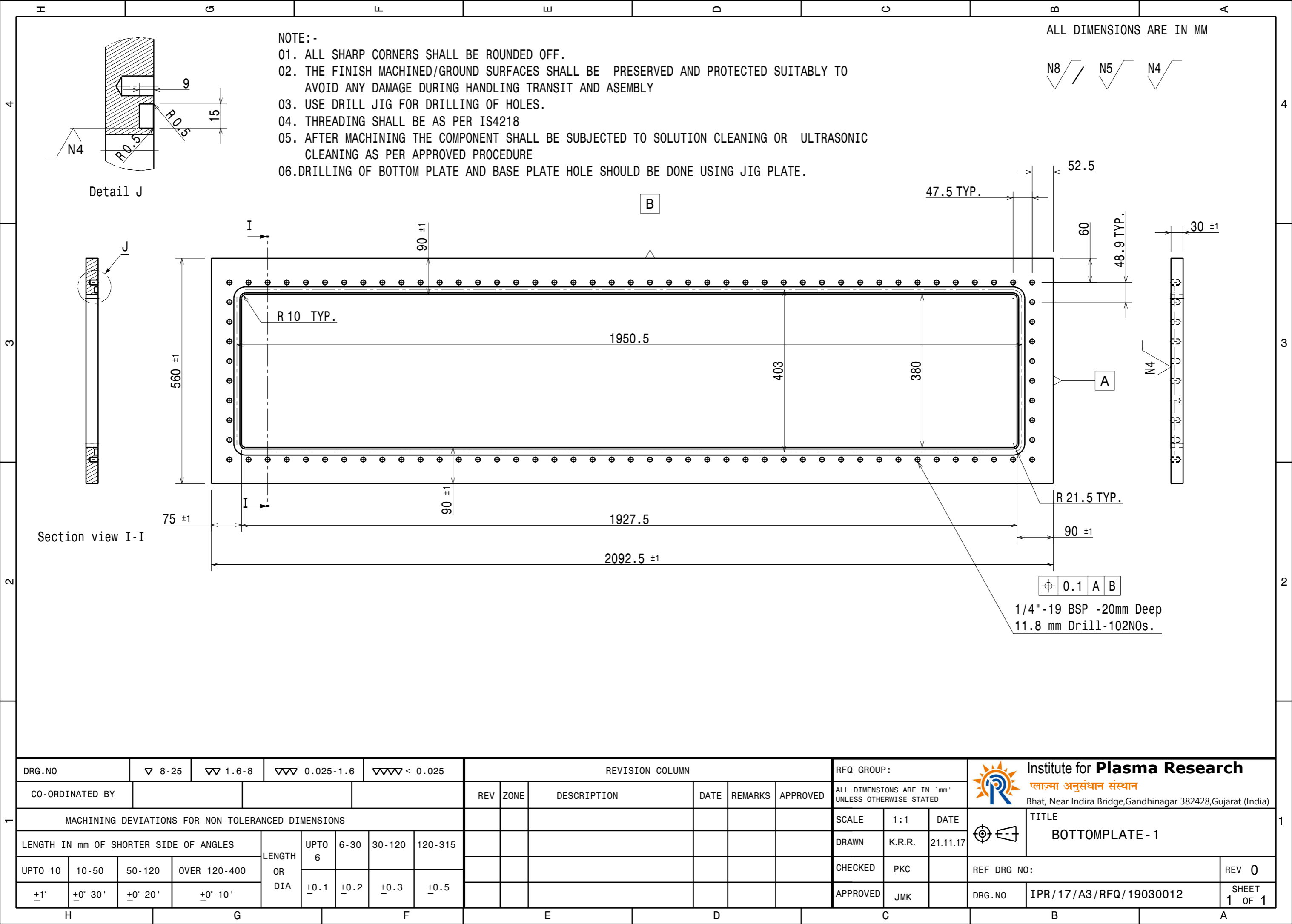
DRG.NO				▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						RFQ GROUP:			 <div>Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</div>	
CO-ORDINATED BY											REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED					
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																		SCALE	1:1	DATE	 <div>TITLE END FLANGE COVER - 1</div>	
LENGTH IN mm OF SHORTER SIDE OF ANGLES				LENGTH OR DIA	UPTO 6	6-30	30-120	120-315								DRAWN	K.R.R.	21.11.17				
UPTO 10	10-50	50-120	OVER 120-400														CHECKED	PKC		REF DRG NO:		REV 0
+1"	+0"-30'	+0"-20'	+0"-10'		+0.1	+0.2	+0.3	+0.5									APPROVED	JMK		DRG.NO	IPR/17/A3/RFQ/19030007	





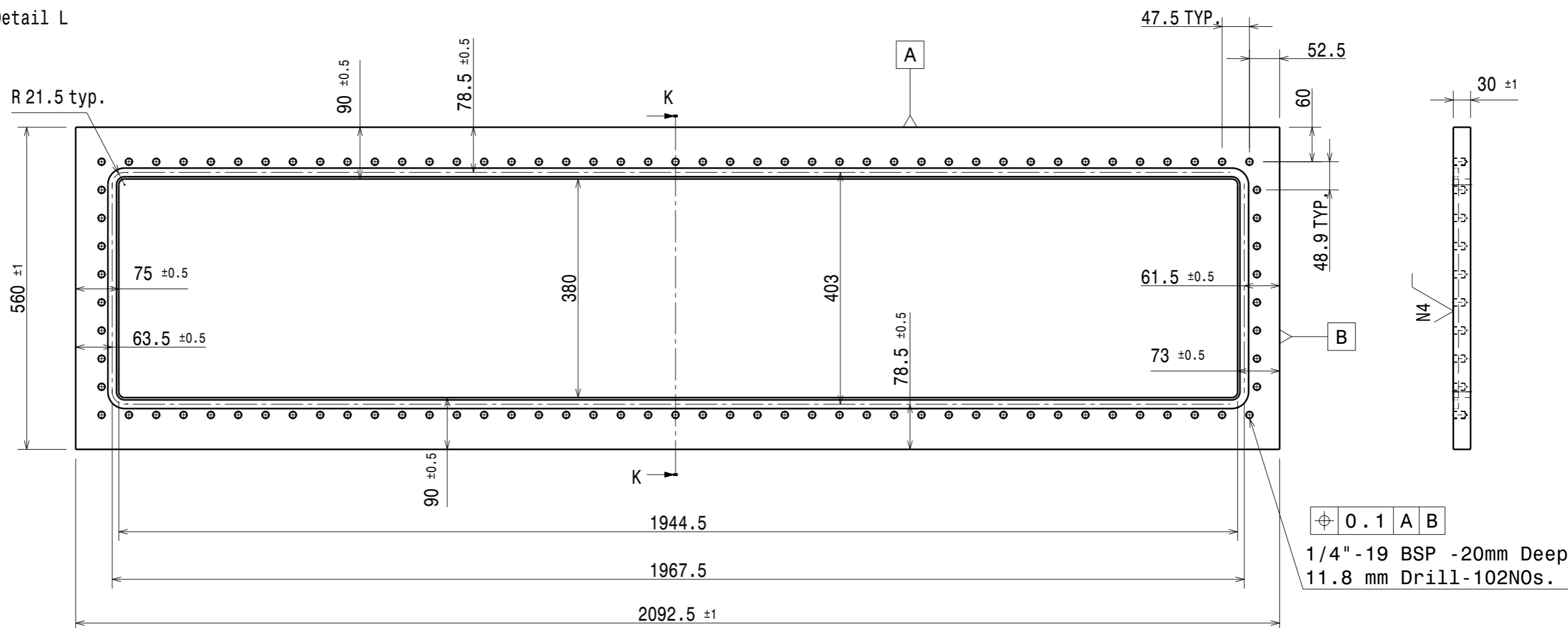
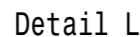



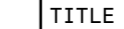
DRG.NO			▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						ASS'Y GROUP:			 Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)			
CO-ORDINATED BY												REV	ZONE	DESCRIPTION		DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED				
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																			SCALE	1:1	DATE	 TITLE O-RING-3 FOR BOTTOM PLATE - 1	
LENGTH IN mm OF SHORTER SIDE OF ANGLES					LENGTH OR DIA	UPTO 6	6-30	30-120	120-315									DRAWN	K.R.R.	21.11.17			
UPTO 10	10-50	50-120	OVER 120-400															CHECKED	PKC		REF DRG NO:		REV 0
+1°	+0°-30'	+0°-20'	+0°-10'			+0.1	+0.2	+0.3	+0.5									APPROVED	JMK		DRG.NO	IPR/17/A3/RFQ/19030011	



N8 / N5 N4

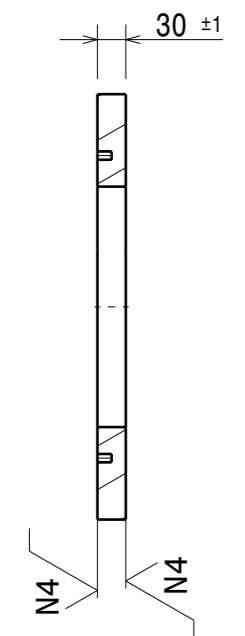
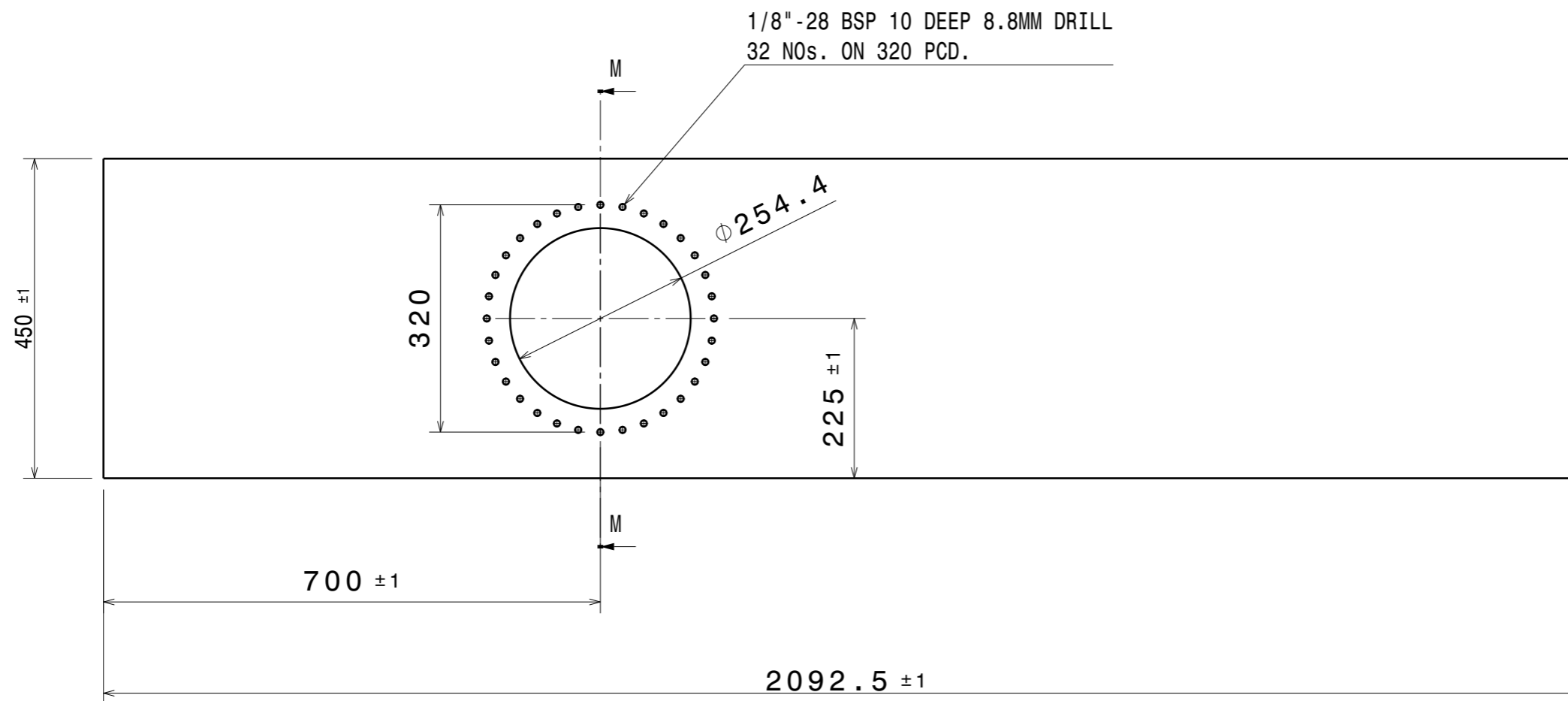
01. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
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03. USE DRILL JIG FOR DRILLING OF HOLES.
04. THREADING SHALL BE AS PER IS4218
05. AFTER MACHINING THE COMPONENT SHALL BE SUBJECTED TO SOLUTION CLEANING OR ULTRASONIC CLEANING AS PER APPROVED PROCEDURE
- 06.DRILLING OF BOTTOM PLATE AND BASE PLATE HOLE SHOULD BE DONE USING JIG PLATE.





DRG.NO				▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN					RFQ GROUP:			 Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge, Gandhinagar 382428, Gujarat (India)			
CO-ORDINATED BY												REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED					
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																		SCALE	1:1	DATE		TITLE BOTTOM PLATE -2	
LENGTH IN mm OF SHORTER SIDE OF ANGLES				LENGTH OR DIA	UPTO 6	6-30	30-120	120-315							DRAWN	K.R.R.	21.11.17						
UPTO 10	10-50	50-120	OVER 120-400												CHECKED	PKC		REF DRG NO:		REV 0			
+1"	+0"-30'	+0"-20'	+0"-10'		+0.1	+0.2	+0.3	+0.5							APPROVED	JMK		DRG.NO	IPR/17/A3/RFQ/19030013		SHEET 1 OF 1		

N8 N5 N4

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Section view M-M

DRG.NO				▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						RFQ GROUP:			 <div>Institute for Plasma Research प्लाज्मा अनुसंधान संस्थान Bhat, Near Indira Bridge,Gandhinagar 382428,Gujarat (India)</div>		
CO-ORDINATED BY											REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED	ALL DIMENSIONS ARE IN `mm` UNLESS OTHERWISE STATED						
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																		SCALE	1:1	DATE	 <div>TITLE SIDE PLATE - 1</div>		
LENGTH IN mm OF SHORTER SIDE OF ANGLES						LENGTH OR DIA	UPTO 6	6-30	30-120	120-315							DRAWN	K.R.R.	21.11.17				
UPTO 10	10-50	50-120	OVER 120-400															CHECKED	PKC		REF DRG NO:		REV 0
±1°	±0°-30'	±0°-20'	±0°-10'		±0.1		±0.2	±0.3	±0.5									APPROVED	JMK		DRG.NO	IPR / 17 / A3 / RFQ / 19030015	

