


SL. NO.	DESCRIPTION	QTY.	MATL.	REMARKS
24	HEX. NUT	8	STD M20	STD
23	HEX. HEAD BOLT	8	STD M20x130L	STD
22	HEX. NUT	16	STD M8	STD
21	HEX. HEAD BOLT	16	STD M8x30L	STD
20	WASHER	16	STD FOR M6	STD
19	HEX. NUT	16	STD M6	STD
18	HEX. HEAD BOLT	16	STD M6x25L	STD
17	HEX. HEAD BOLT	8	STD M10x30L	STD
16	HEX. NUT	9	STD M10	STD
15	WASHER	10	STD FOR M10	STD
14	HEX. HEAD BOLT	1	STD M10x106L	STD
13	SCREW JACK ASSY.	4	STD 1 TON CAPACITY STD	
12	CASTER WHEEL	4	STD ISAC-DTDF-SDEX-12-01036	
11	TOW BAR ASSEMBLY	1	ST-42 ISAC-DTDF-SDEX-12-01034	
10	BAR LOCK PIN	1	ST-42 ISAC-DTDF-SDEX-12-01043	
09	BUSH	1	ST-42 ISAC-DTDF-SDEX-12-01040	
08	L-ARM 'I' BRACKET	4	ST-42 ISAC-DTDF-SDEX-12-01022	
07	L-ARM 'C' BRACKET	4	ST-42 ISAC-DTDF-SDEX-12-01025	
06	CHEQUERED SHEET WELD PLATE	1	ST-42 ISAC-DTDF-SDEX-12-01033	
05	CHEQUERED SHEET SUPPORT BAR-2	2	ST-42 ISAC-DTDF-SDEX-12-01004	
04	CHEQUERED SHEET SUPPORT BAR-1	1	ST-42 ISAC-DTDF-SDEX-12-01018	
03	CHEQUERED SHEET	4	AL6061 ISAC-DTDF-SDEX-12-01049	
02	BOTTOM RING	1	ST-42 ISAC-DTDF-SDEX-12-01003	
01	DOLLY STRUCTURE	1	ST-42 ISAC-DTDF-SDEX-12-01027	

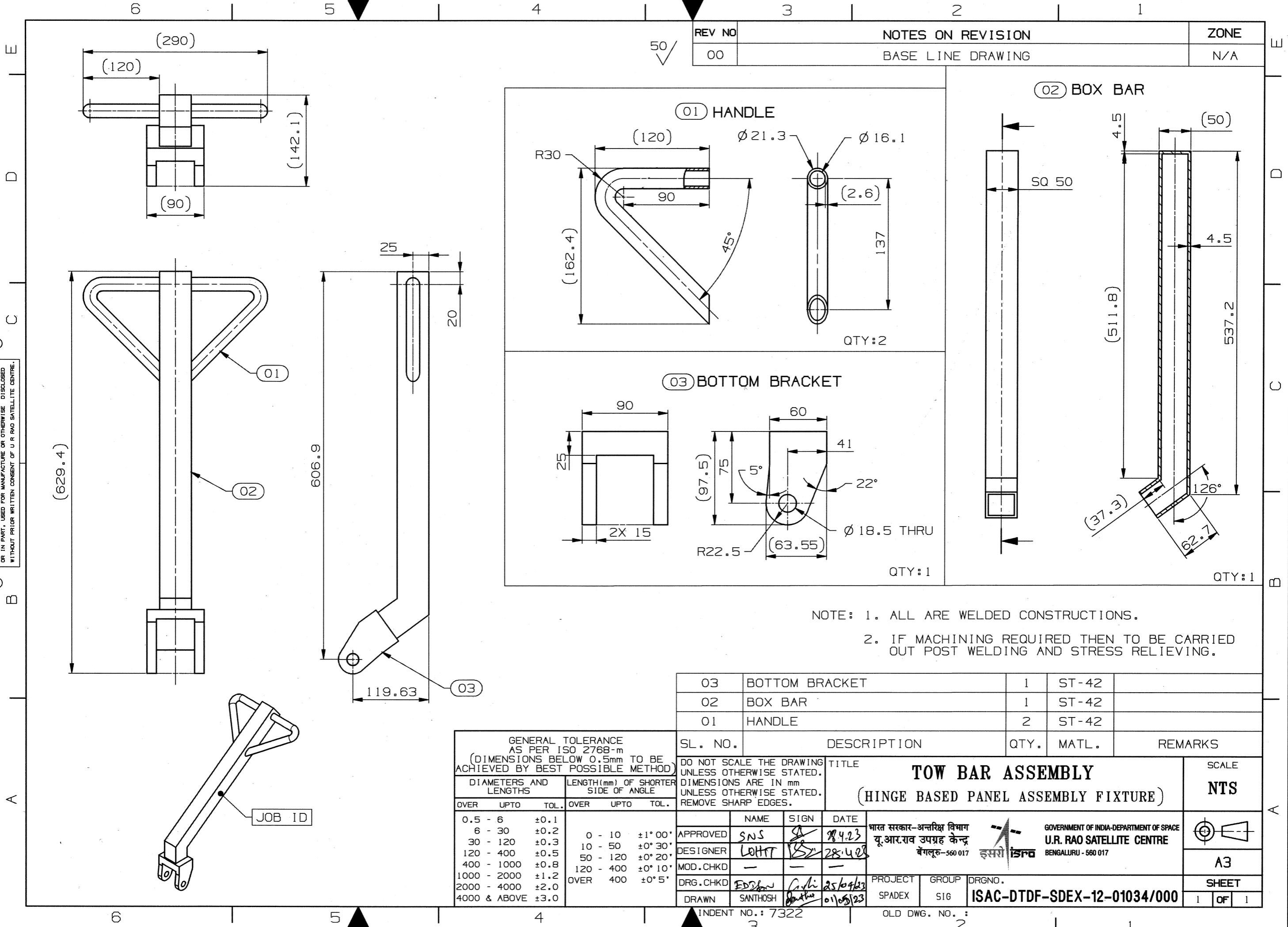
GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD)					
DIMETERS AND LENGTHS OF SHORTER LENGTHS ARE IN mm UNLESS OTHERWISE STATED. REMOVE SHARP EDGES.					
OVER	UPTO	TOL.	OVER	UPTO	TOL.
0.5 - 6	±0.1		0 - 10	±1.00	
6 - 30	±0.2		10 - 50	±0.30	
30 - 120	±0.3		50 - 120	±0.20	
120 - 400	±0.5		120 - 400	±0.10	
400 - 1200	±0.8		1200 - 2000	±0.10	
2000 - 4000	±1.0		4000 & ABOVE	±0.5*	
* 4000 & ABOVE ±0.20					

DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. REMOVE SHARP EDGES.

APPROVED: *[Signature]* DATE: *27/6/13*
DESIGNER: *[Signature]* DATE: *27/6/13*
MOD. CHKD: *[Signature]* DATE: *27/6/13*
DRG. CHKD: *[Signature]* DATE: *27/6/13*
DRAWN: *SANTOSH KUMAR* DATE: *27/6/13*
PROJECT: SPADEX GROUP: S16 DRG. NO.: ISAC-DTDF-SDEX-12-01021/000
SHEET: 1 OF 1

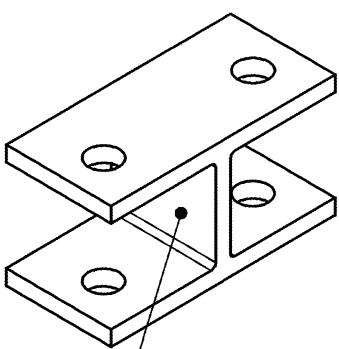


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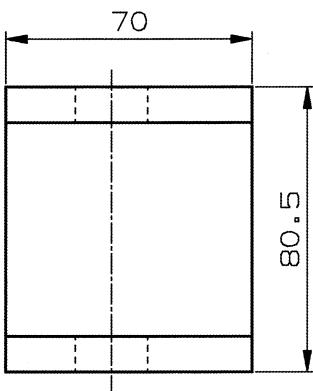
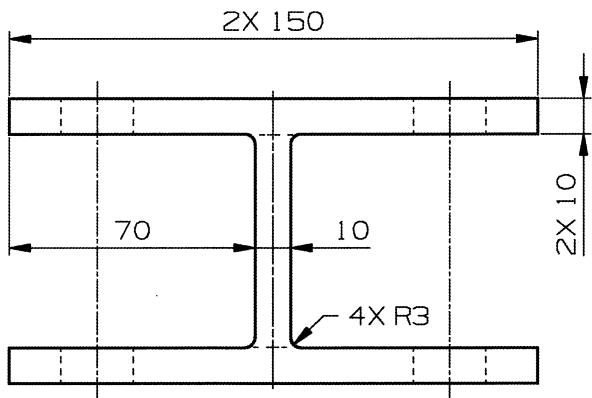
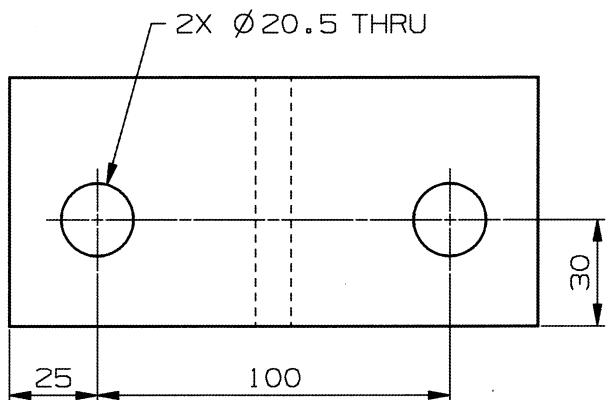


REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A

6.3/



JOB ID

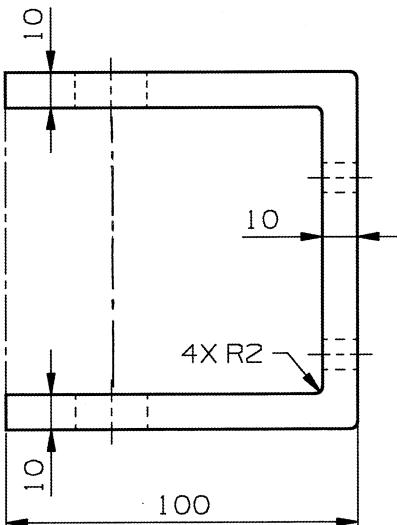
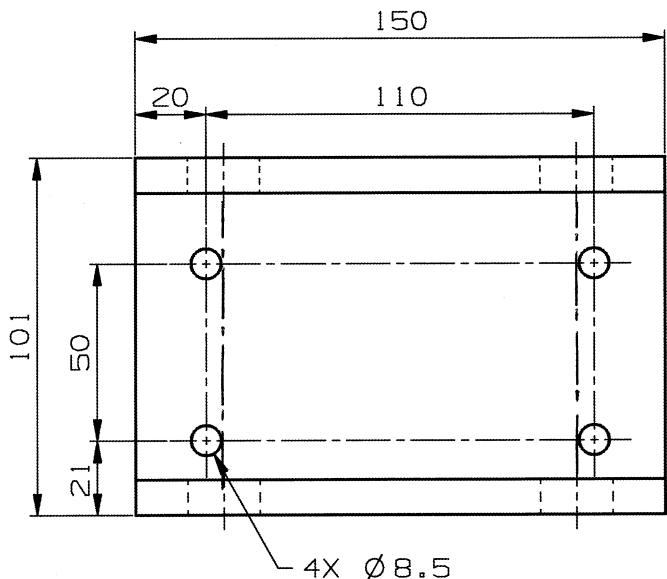
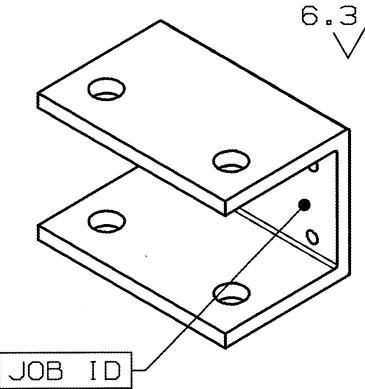
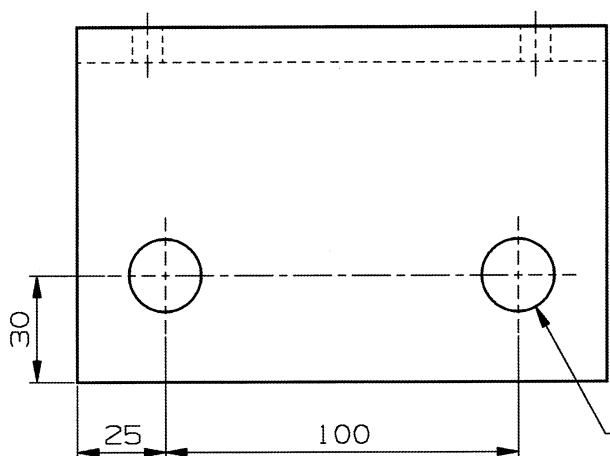


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NOTE: GENERAL TOLERANCE ON ALL HOLE LOCATION IS ± 0.1
UNLESS OTHERWISE SPECIFIED.

1	L-ARM 'I' BRACKET	4	MS	1.88 kg		
SL. No.	DESCRIPTION	QTY.	MATL.	MASS		
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	TITLE L-ARM 'I' BRACKET (HINGE BASED PANEL ASSEMBLY FIXTURE)	SCALE 1:2				
APPROVED SNE	NAME SIGN	DATE 12.05.2023	GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017	ISRO		
DESIGNER LOHIT	NAME SIGN	DATE 11.05.23	A4			
MOD. CHKD USHA	NAME SIGN	DATE 27/4/23	PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01022/000	SHEET 1 OF 1
DRG. CHKD RBT	NAME SIGN	DATE 27.04.23				
DRAWN SANTHOSH	NAME Signature	DATE 15/05/23	OLD DWG. No.:			
INDENT NO.: 7322						

REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A



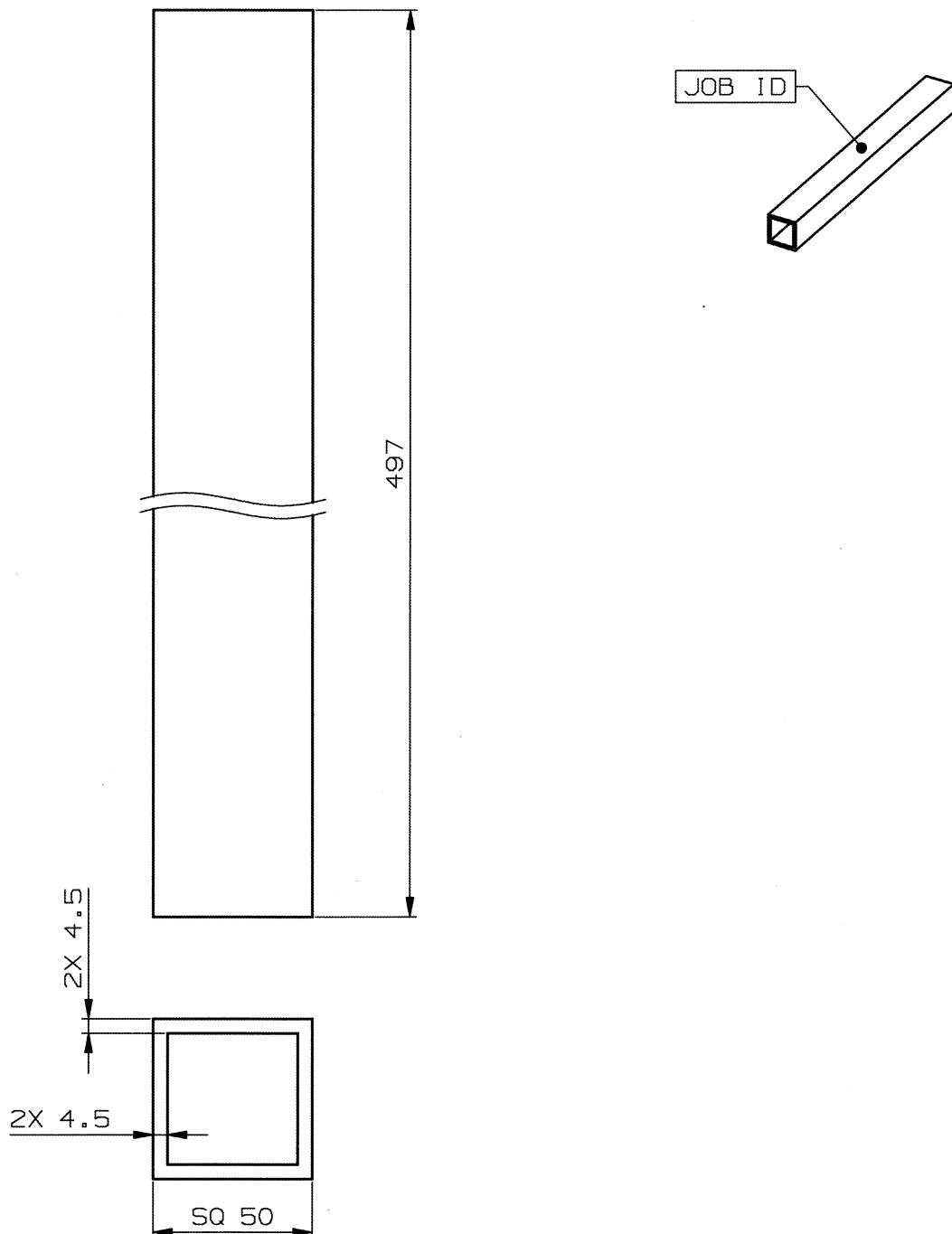
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NOTE: GENERAL TOLERANCE ON ALL HOLE LOCATION IS ± 0.1
UNLESS OTHERWISE SPECIFIED.

1	L-ARM 'C' BRACKET	4	MS	3.2 kg
SL. No.	DESCRIPTION	QTY.	MATL.	MASS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	TITLE L-ARM 'C' BRACKET (HINGE BASED PANEL ASSEMBLY FIXTURE)	SCALE 1:2		
APPROVED <i>SNS</i> DESIGNER <i>LOHIT</i> MOD.CKHD <i>USA</i> DRG.CKHD <i>RBT</i> DRAWN <i>SANTOSH</i>	NAME SIGN DATE <i>12.5.23</i> <i>11.5.23</i> <i>27/4/23</i> <i>27.04.23</i> <i>15/05/23</i>	PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01025/000
INDENT NO.: 7322	OLD DWG. No.:	A4	SHEET 1 OF 1	

REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A

6.3 ✓



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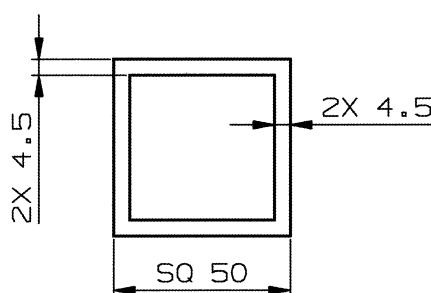
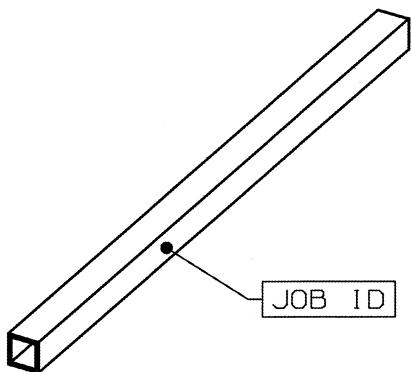
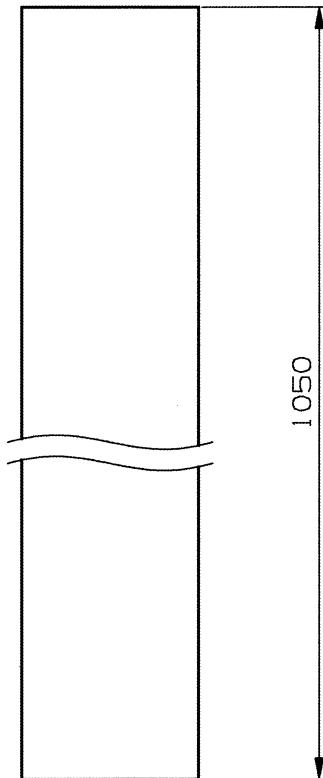
1	CHEQUERED SHEET SUPPORT BAR-2	2	ST - 42	
SL . No .	DESCRIPTION	QTY .	MATL .	REMARKS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	TITLE CHEQUERED SHEET SUPPORT BAR-2 (HINGE BASED PANEL ASSEMBLY FIXTURE)			SCALE 1:2
APPROVED DESIGNER MOD. CHKD DRG. CHKD DRAWN	NAME SNS LOHIT USHA EODK SANTHOSH	SIGN 12-S-23 11-S-23 3/5/23 03/05/23 16/05/23	DATE 12-S-23 11-S-23 3/5/23 03/05/23 16/05/23	GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017 इसरो isro
PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01004/000		1 OF 1

INDENT NO.: 7322

OLD DWG. No.:

REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A

6.3 ✓



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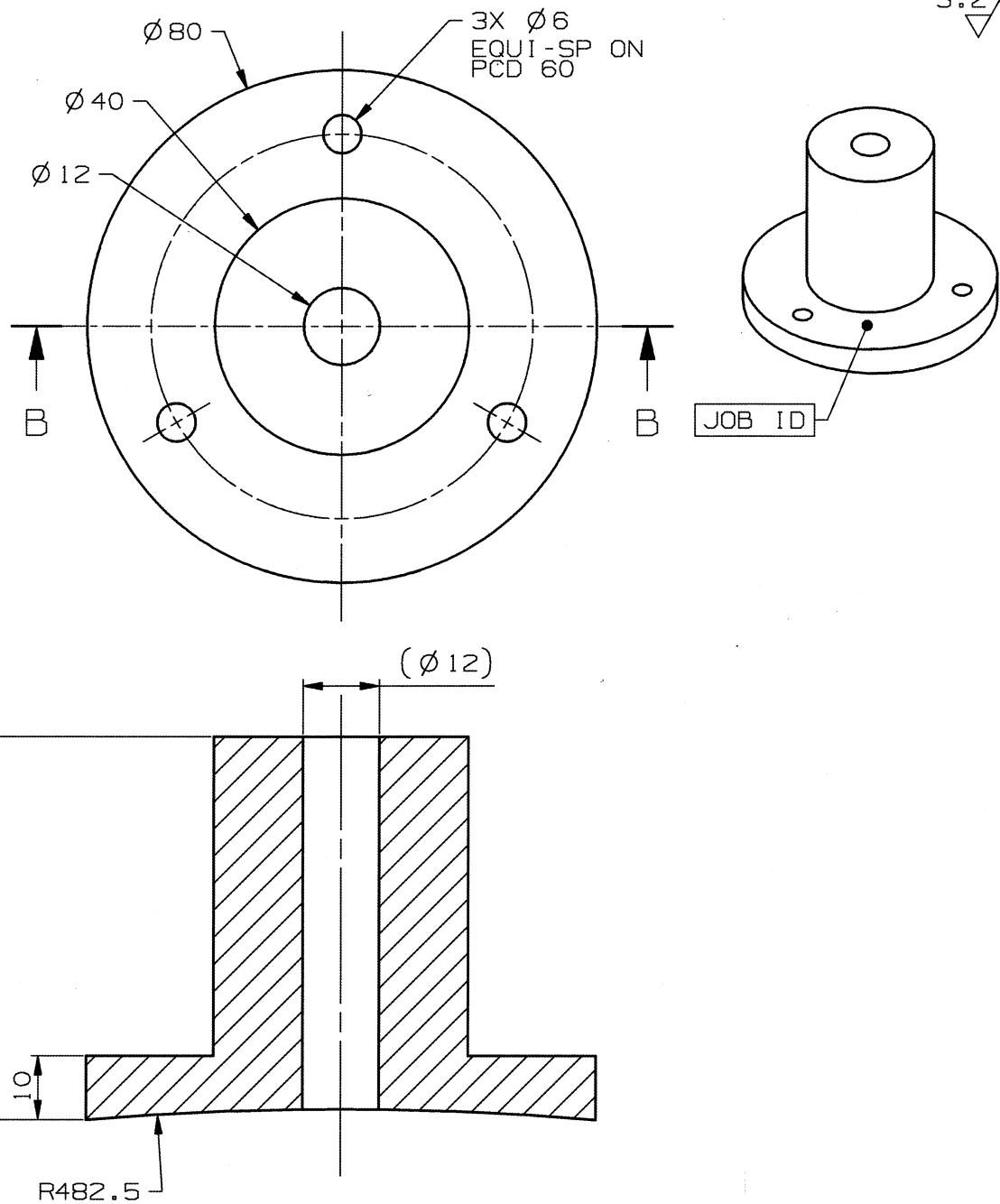
1	CHEQUERED SHEET SUPPORT BAR-1	1	ST - 42	
SL. No.	DESCRIPTION	QTY.	MATL.	REMARKS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	<p style="text-align: center;">TITLE CHEQUERED SHEET SUPPORT BAR-1 (HINGE BASED PANEL ASSEMBLY FIXTURE)</p>			SCALE 1 : 2
APPROVED DESIGNER MOD.CHKD DRG.CHKD DRAWN	NAME SIGN DATE 10/05/23 USM ED2023 SANTHOSH	NAME SIGN DATE 10/05/23 USM ED2023 15/05/23	भारत सरकार-अन्तरिक्ष विभाग यू.आर.राव उपग्रह केन्द्र बैंगलुरु-560 017 इसरो	GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017
PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01018/000	SHEET 1 OF 1	

INDENT NO.: 7322

OLD DWG. No.:

REV NO	NOTES OF REVISION	ZONE						
00	BASE LINE DRAWING	N/A						
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1	CHEQUERED SHEET	4 AL6061						
SL. No.	DESCRIPTION	QTY. MATL. REMARKS						
<ul style="list-style-type: none"> GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. REMOVE SHARP EDGES. 		<p>TITLE CHEQUERED SHEET (HINGE BASED PANEL ASSEMBLY FIXTURE)</p> <p>SCALE 1:5</p>						
APPROVED	NAME: SNS SIGN: 16/05/23 DATE:	<p>भारत सरकार-अन्तरिक्ष विभाग यू.आर.राव उपग्रह केन्द्र बंगलुरु-560 017</p> <p>इसरो</p> <p>GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017</p>						
DESIGNER	LOHIT SIGN: 16/05/23 DATE:							
MOD. CHKD	USHA SIGN: 16/05/23 DATE:							
DRG. CHKD	EDS SIGN: 16/05/23 DATE:							
DRAWN	SANTHOSH SIGN: 16/05/23 DATE:							
INDENT NO.: 7322		OLD DWG. No.:						
<table border="1"> <tr> <td>PROJECT SPADEX</td> <td>GROUP SIG</td> <td>DRG NO. ISAC-DTDF-SDEX-12-01048/000</td> </tr> <tr> <td colspan="2"></td> <td>SHEET 1 OF 1</td> </tr> </table>			PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01048/000			SHEET 1 OF 1
PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01048/000						
		SHEET 1 OF 1						

REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A



NOTE: GENERAL TOLERANCE ON ALL HOLE LOCATION
IS ± 0.1 UNLESS OTHERWISE SPECIFIED.

1	BUSH	1	ST - 42	
SL. No.	DESCRIPTION	QTY.	MATL.	REMARKS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	TITLE BUSH (HINGE BASED PANEL ASSEMBLY FIXTURE)		SCALE 1:1	
APPROVED SNS	DATE 12.5.23	PROJECT SPADEX	GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017	DRAWING NUMBER ISAC-DTDF-SDEX-12-01040/000
DESIGNER LOHIT	SIGN RS	GROUP SIG		1 OF 1
MOD. CHKD USHA	DATE 3/5/23	DRG. NO.		
DRG. CHKD EDPMS	DATE 03/05/23			
DRAWN SANTHOSH	SIGN Joshi	OLD DWG. No.:		

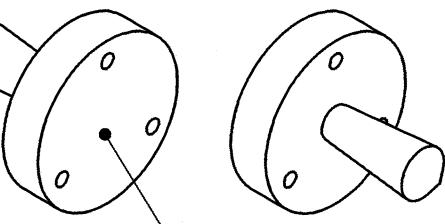
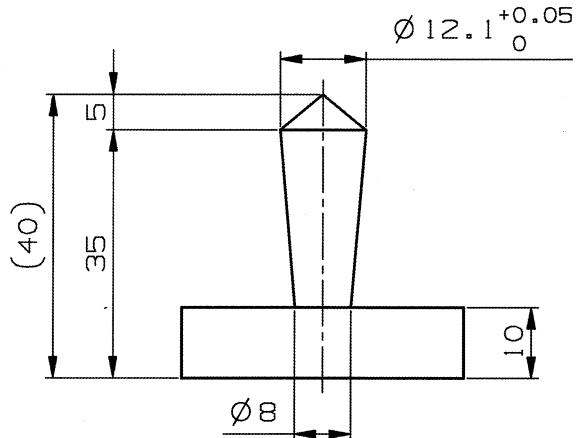
INDENT NO.: 7322

OLD DWG. No.:

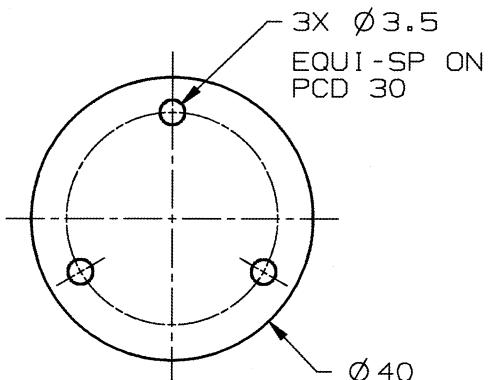
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REV NO	NOTES OF REVISION	ZONE
00	BASE LINE DRAWING	N/A

3.2 ✓



(VIEW SHOWN FOR CLARITY)

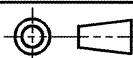


NOTE: GENERAL TOLERANCE ON ALL HOLE LOCATION
IS ± 0.1 UNLESS OTHERWISE SPECIFIED.

1	BAR LOCK PIN			1	ST-42	
SL. No.	DESCRIPTION			QTY.	MATL.	REMARKS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.	TITLE BAR LOCK PIN (HINGE BASED PANEL ASSEMBLY FIXTURE)			SCALE 1 : 1		
APPROVED <i>Cahu</i> DESIGNER <i>Lohit</i> MOD.CHCKD <i>Usha</i> DRG.CHCKD <i>Edu</i> DRAWN <i>Santhosh</i>	NAME SIGN DATE 18/5/23 12/5/23 16/5/23 16/5/23 19/5/23	NAME SIGN DATE 18/5/23 12/5/23 16/5/23 16/5/23 19/5/23	DATE 18/5/23 12/5/23 16/5/23 16/5/23 19/5/23	PROJECT SPADEX	GROUP SIG	DRG NO. ISAC-DTDF-SDEX-12-01043/000
INDENT NO.: 7322	OLD DWG. No.:					

भारत सरकार-अन्तरिक्ष विभाग
यू.आर.राव उपग्रह केन्द्र
बैंगलुरु-560 017
इसरो ISRO

GOVERNMENT OF INDIA-DEPARTMENT OF SPACE
U.R. RAO SATELLITE CENTRE
BENGALURU - 560 017

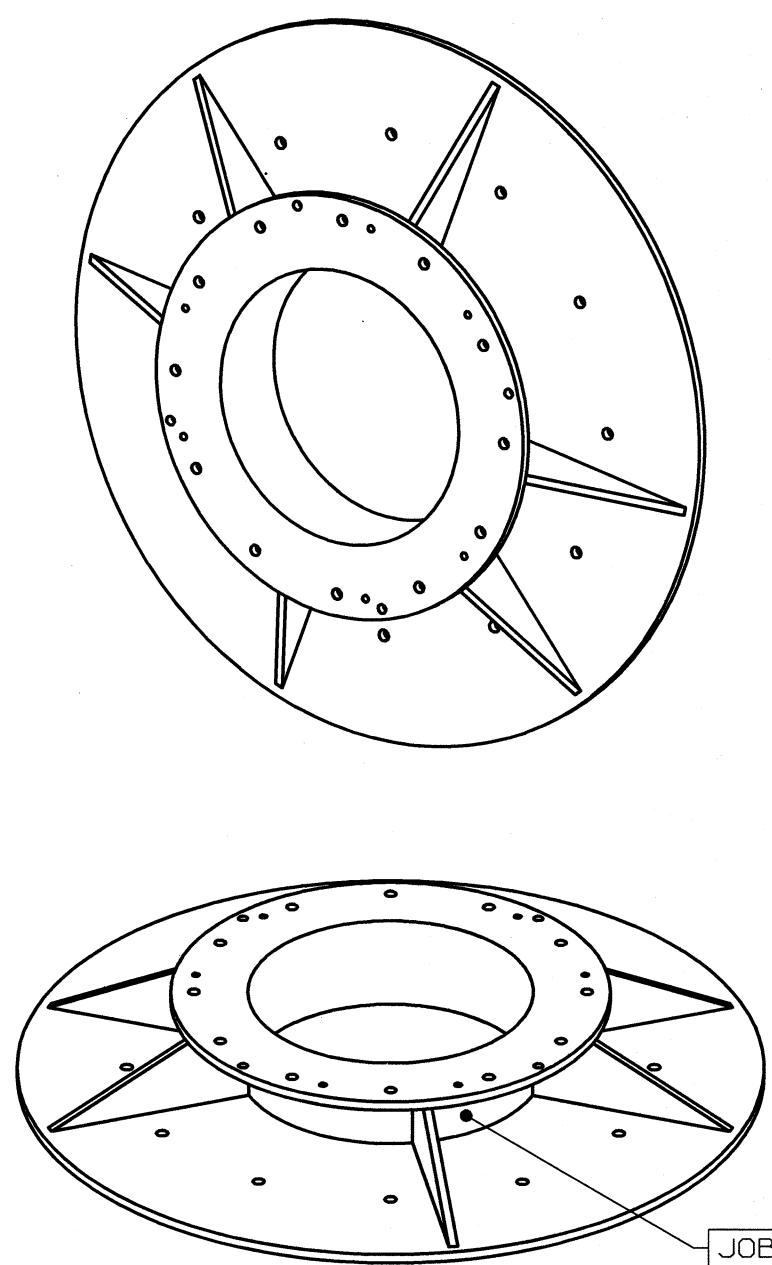
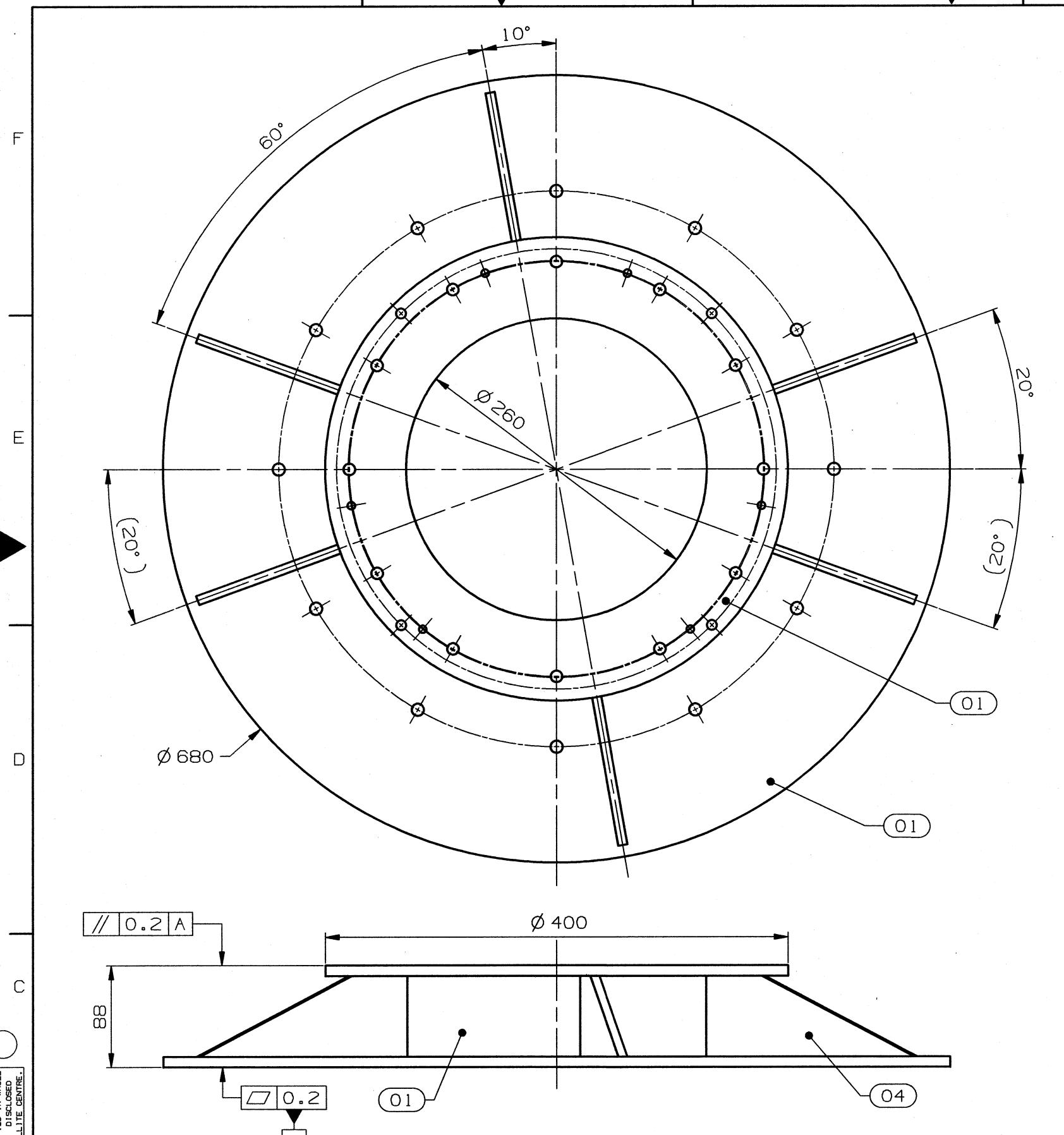


A4

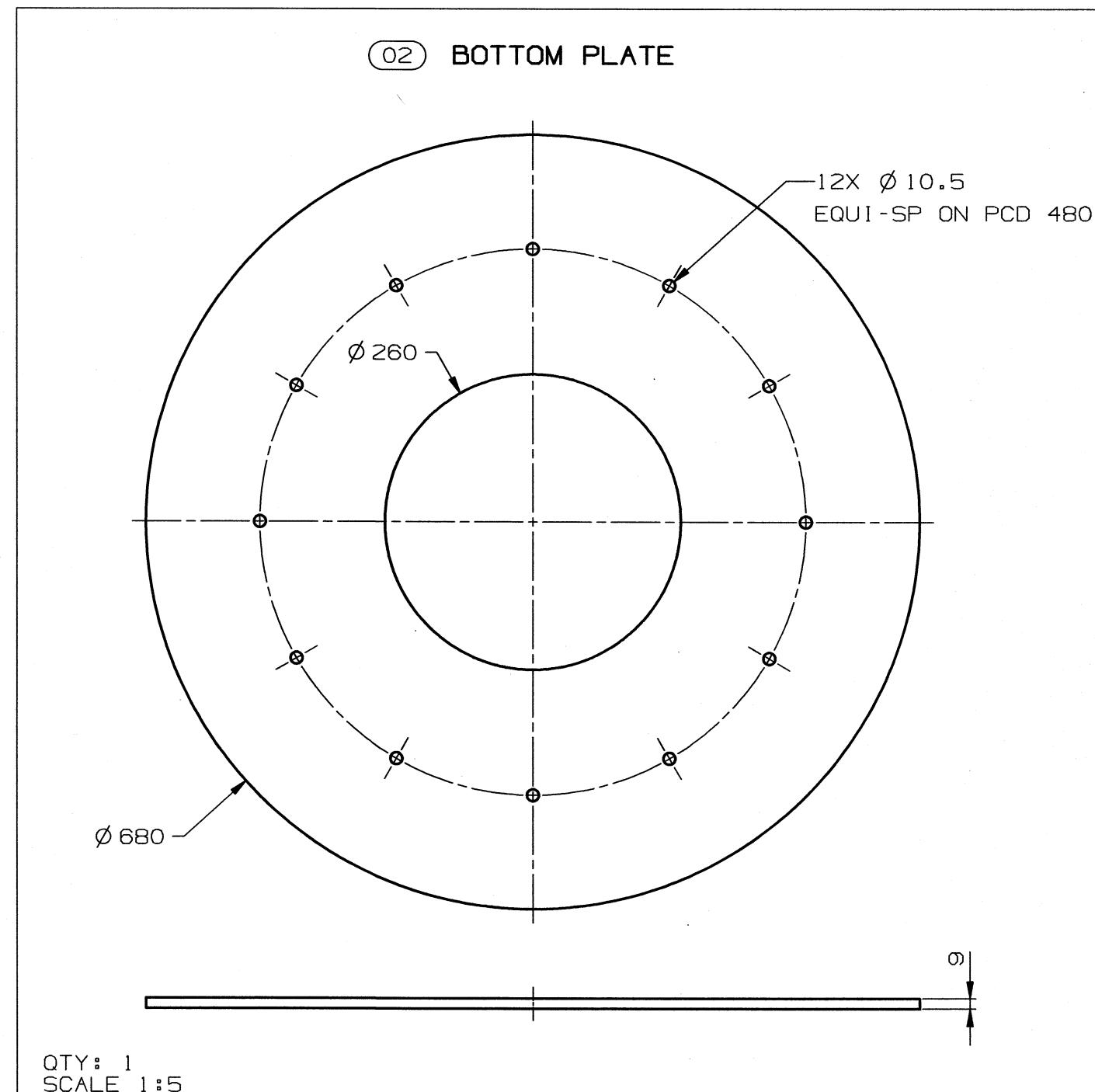
SHEET
1 OF 1

8 7 6 5 4 3 2 1

REV NO 00	NOTES ON REVISION BASE LINE DRAWING	ZONE N/A
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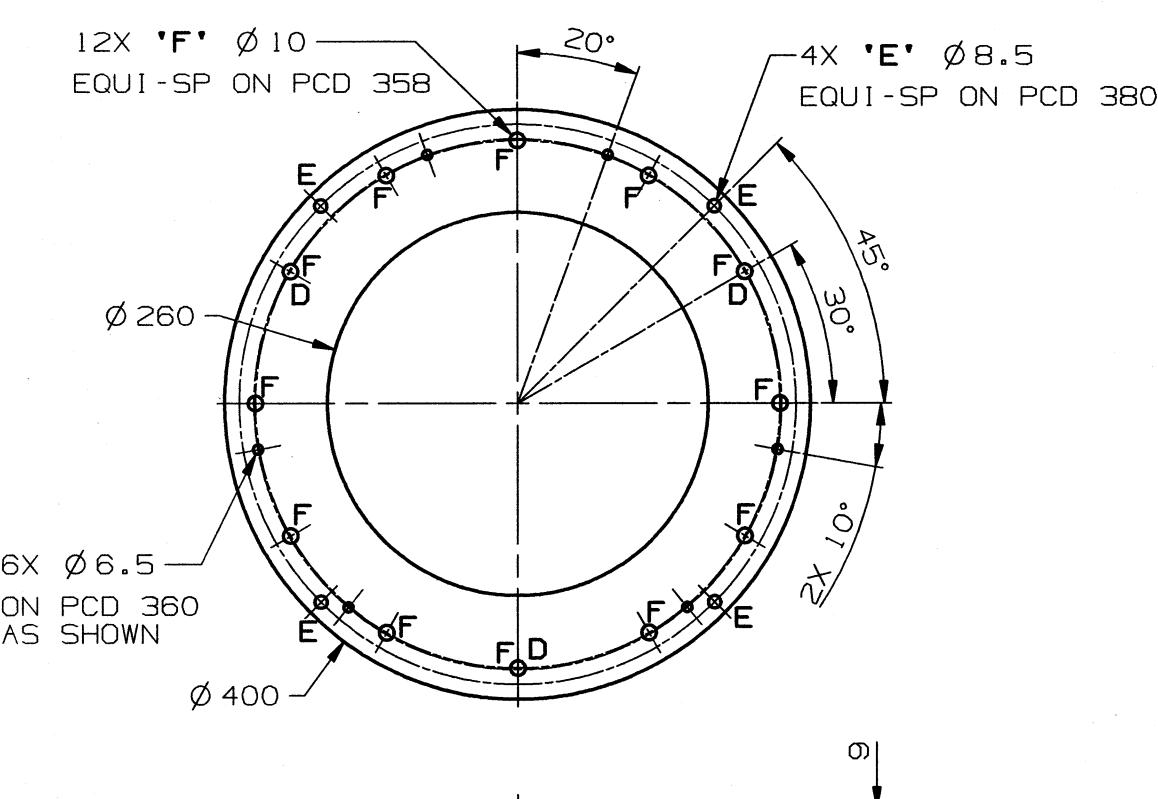


(VIEW SHOWN FOR CLARITY)



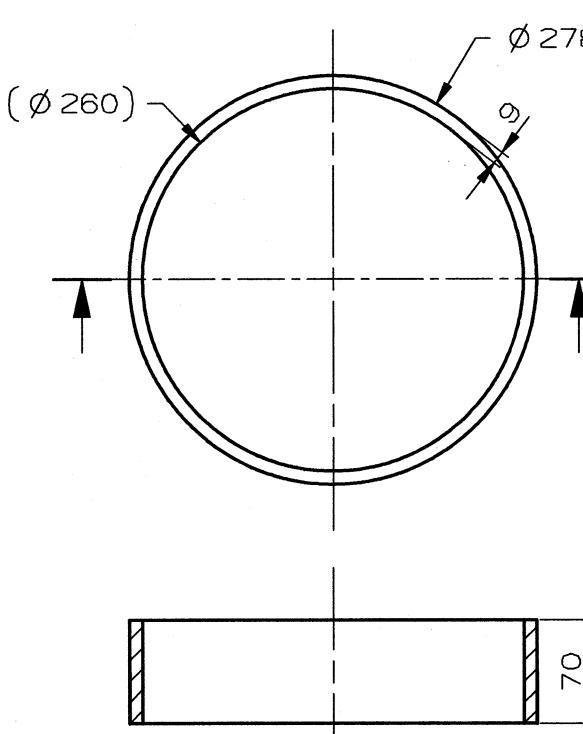
QTY: 1
SCALE 1:5

01 TOP PLATE

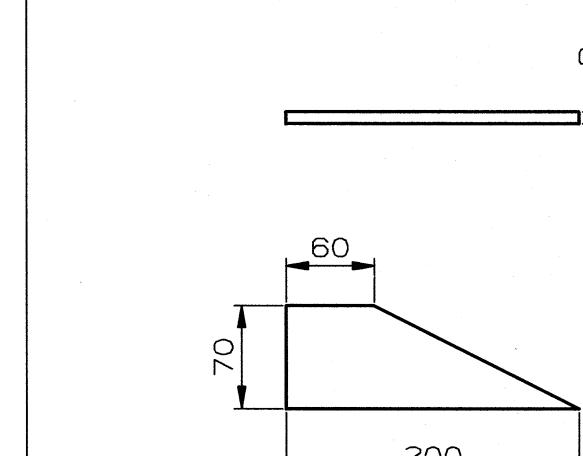


QTY: 1
SCALE 1:5

03 INNER CYLINDER



04 GUSSET PLATE



GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD)			
DO NOT SCALE THE DRAWING			TITLE
DIMETERS AND LENGTHS	mm	OF SHORTER SIDE OF ANGLE	UNLESS OTHERWISE STATED.
OVER UPTO TOL.	OVER UPTO TOL.	OVER UPTO TOL.	DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. REMOVE SHARP EDGES
0.5 - 6 6 - 30 30 - 120 120 - 400 400 - 1000 1000 - 2000 2000 - 4000 4000 & ABOVE	±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2 ±2.0 ±3.0	0 - 10 10 - 50 50 - 120 120 - 400 OVER 400	±1° 00' ±0° 30' ±0° 20' ±0° 10' ±0° 5'

QTY: 01
SCALE 1:5

- NOTE: 1. ALL ARE WELDED CONSTRUCTIONS.
2. IF MACHINING REQUIRED THEN TO BE CARRIED OUT POST WELDING AND STRESS RELIEVING.
3. THREE HOLES 'F' AT LOCATION 'D' TOP BE USED FOR ASSEMBLY PURPOSE IN TOP PLATE.

SL. NO.	DESCRIPTION	QTY.	MATL.	REMARKS
04	GUSSET PLATE	6	ST42	200 x 70 x 8T
03	INNER CYLINDER	1	ST42	OD 278 x 9T x 78HT
02	BOTTOM PLATE	1	ST42	OD 680 x ID 260 x 9T
01	TOP PLATE	1	ST42	OD 400 x ID 260 x 9T

BOTTOM RING (HINGE BASED PANEL ASSEMBLY FIXTURE)				SCALE NTS
APPROVED	NAME	SIGN	DATE	GOVERNMENT OF INDIA - DEPARTMENT OF SPACE U.R.RAO SATELLITE CENTRE BANGALORE - INDIA
DESIGNER	Lohit	KRISHNA	24/04/23	
MOD.CHKD	-	-	-	
DRG.CHCKD	Eduardo	Calle	24/04/23	PROJECT SPAXE
DRAWN	SANTOSH	Patel	24/04/23	GROUP SIG
				DRG NO. ISAC-DTDF-SDEX-12-01003/000
				SHEET 1 OF 1

8 7 6 5 4 3 2 1

INDENT NO.: 7322 OLD DWG. NO.: 2

REV NO
00

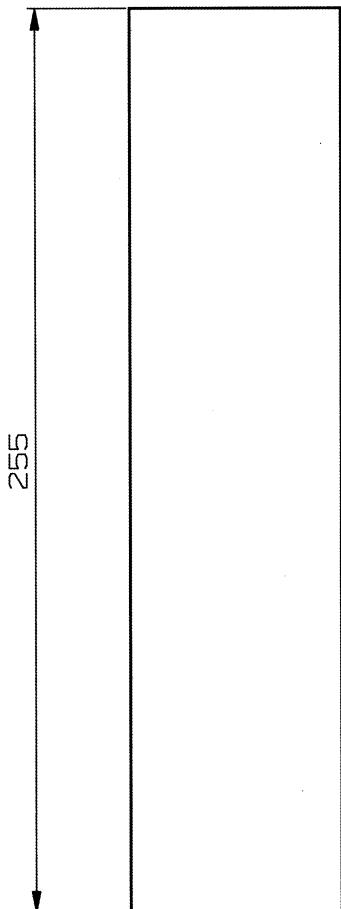
NOTES OF REVISION

ZONE

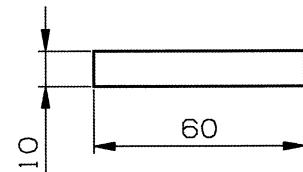
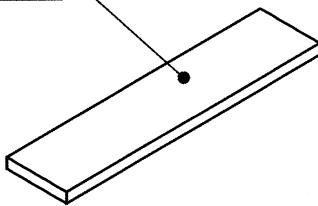
BASE LINE DRAWING

N/A

6.3 ✓



JOB ID



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1	CHEQUERED SHEET WELD PLATE	1	ST - 42	
SL . No .	DESCRIPTION	QTY .	MATL .	REMARKS
*GENERAL TOLERANCE AS PER ISO 2768-m (DIMENSIONS BELOW 0.5mm TO BE ACHIEVED BY BEST POSSIBLE METHOD) *DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. *DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED. *REMOVE SHARP EDGES.		TITLE CHEQUERED SHEET WELD PLATE (HINGE BASED PANEL ASSEMBLY FIXTURE)		
		SCALE 1:2		
APPROVED	NAME SNS	SIGN 	DATE 12.5.23	GOVERNMENT OF INDIA-DEPARTMENT OF SPACE U.R. RAO SATELLITE CENTRE BENGALURU - 560 017
DESIGNER	NAME LOHIT	SIGN 	DATE 11.5.23	ISRO
MOD. CHKD	NAME USHA	SIGN 	DATE 31/5/23	PROJECT SPADEX
DRG. CHKD	NAME EDDison	SIGN 	DATE 03/05/23	GROUP SIG
DRAWN	NAME SANTOSH	SIGN 	DATE 15/05/23	DRG NO. ISAC-DTDF-SDEX-12-01033/000
INDENT NO.: 7322		OLD DWG. No. :		
		SHEET 1 OF 1		