





PART A			
Description of tool	TRESTLE	Tool Part No. (OEM)	-
Document reference	39-A-ZZ-00-00-00A-066A-A AW139 IETP	Aircraft type	AW139
Signature	: 		
Name	: JASMALIZAM JAMALUDIN		
Designation	: ENGINEERING CONTROLLER		
Date	: 16/7/2024		

PART B			
Drawing No.	ED053001	Assigned Part No.	ED053001
Engineering Order No.	GAM227/EO		
Signature	: 		
Name	: MUHAMMAD RAFIQ BIN KAMARUDDIN		
Designation	: DESIGN ENGINEER		
Date	: 18/7/24		
Verification			
Signature	: 		
Name	: SYAFROL YAMANI BIN SAFRUDDIN		
Designation	: ENGINEERING MANAGER		
Date	: 18/7/24		

PART C			
Evaluation			
Section 1			
	Original/ OEM Tool	Equivalent Tool	Remarks
Part No. and Model	N/A	N/A	N/A
Technical Specification:			
i. N/A	N/A	N/A	N/A
ii. N/A	N/A	N/A	N/A
iii. N/A	N/A	N/A	N/A
Section 2			
Condition of Tool:	Satisfactory	Unsatisfactory	Remarks
i. Technical Specification	/		
ii. Dimension	/		
iii. Physical appearance	/		
iv. Paintwork	/		
v. Surface treatment	/		
vi. Function/Operation	/		
vii. Safety feature	/		
viii. Attachment & fitting	/		
Requirement for load test	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Requirement for calibration	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

PART D	
Declaration	
I hereby verify that:	
<input checked="" type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be equivalent to that specified in the Maintenance Data/ Drawing. <input type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be incompatible for use in accordance with specifications in the Maintenance Data/ Drawing.	
Signature	: 
Name	: MUHAMMAD RAFIQ BIN KAMARUDDIN
Designation	: DESIGN ENGINEER
Date	: 18/7/24

REV	DESCRIPTION	DATE
0	INITIAL REVISION	30/08/2022

NOTES:

1. ALL STRUCTURES ARE CLOSED-ENDS AND EACH JOINT TO BE FUSION ARC BUTT/FILLET WELDED PER EN ISO 4063:2009 OR EQUIVALENT.
2. REMOVE ALL SHARP EDGES AND BURRS.
3. PERFORM NDT ON ALL WELDED JOINTS. NO CRACKS ARE ALLOWED.
4. EACH CASTOR WHEEL MUST BE ABLE TO WITHSTAND MINIMUM LOAD OF 350 KG.
5. ASSY/SUB-ASSY TO BE PAINTED IN YELLOW.
6. MATCH AND WELDED BOLT BRACKET I.A.W HOLES OF CASTOR WHEEL.
7. MATCH THE BOLT AND NUT AS I.A.W HOLES OF CASTOR WHEEL.

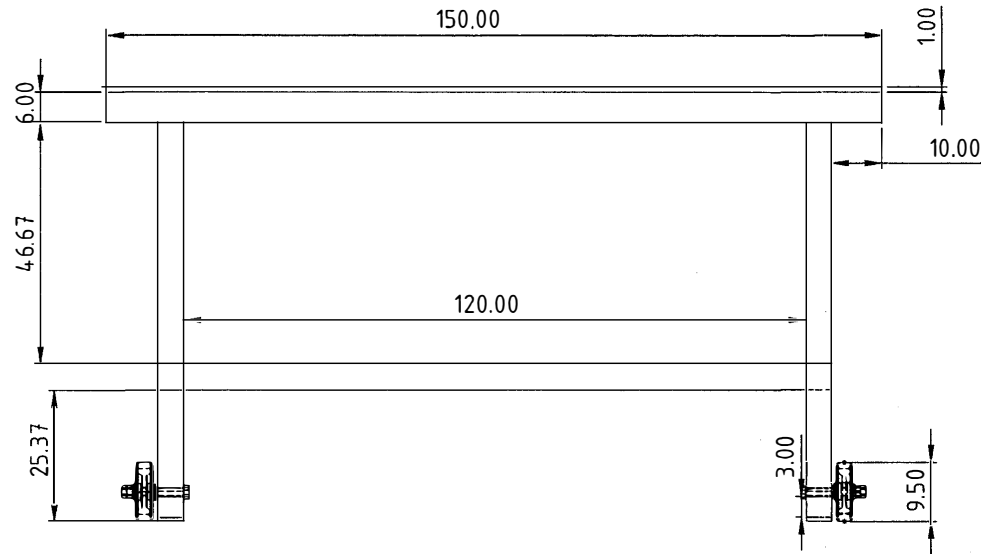
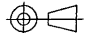


EXPLODED VIEW OF TRESTLE

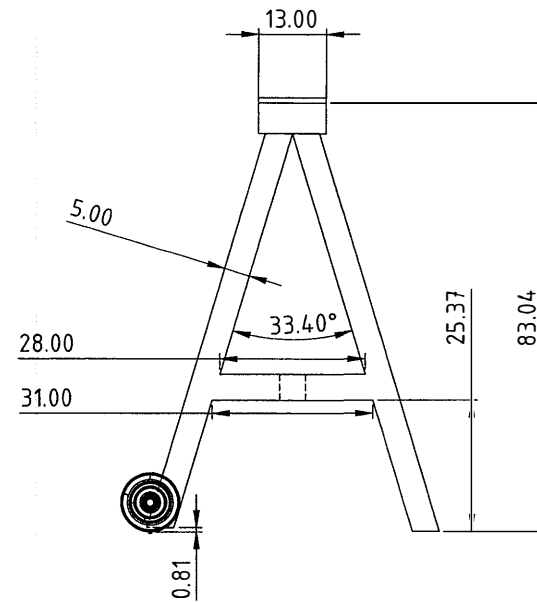
ITEM NO	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATIONS	FINISH
5	COMMERCIAL	18	CASTOR WHEEL	NYLON	ODIA 9.5CM	-
4	COMMERCIAL	4	NUT	LOW CARBON STEEL BAR	IDIA 15CM	-
3	COMMERCIAL	2	BOLT	STAINLESS STEEL	ODIA 1.5 X 12CM LENGTH	-
2	ED053001-002	1	RUBBER PADDING	EPDM	1CM THICKNESS	-
1	ED053001-001	1	FRAME	LOW CARBON HOLLOW STEEL	0.3CM THICKNESS	⚠

BILL OF MATERIALS

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			<p>APPROVED BY</p> <p>ISHMAIL SULAIMAN</p>	<p>DRAWING NO</p> <p>ED053001</p>	<p>A/C TYPE</p> <p>N/A</p>	<p>REV 0</p>



FRONT VIEW



SIDE VIEW



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SDN. BHD.  
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GAM.F.006 MARCH 2021

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1. CAAM ODA, REF. NO. (DDA/2020/01) 2. DOTA AEO, REF. NO. (AEO 23/2019)

RELATED DOC :

UNLESS OTHERWISE SPECIFIED :-

1. DIMENSIONS IN CM.
2. TOLERANCES ON :  
XX ± 1.00  
XXX ± 0.50  
XXX.X ± 0.05  
ANGLES ± 0.5 DEG
3. REMOVE BURRS AND SHARP EDGES

CONTINUATION SHEET

TITLE:

TRESTLE

DRAWING NO.:

ED053001

A/C TYPE:


N/A


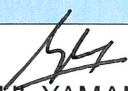
REV: 0

SCALE: NTS


SHEET 2 OF 2

SIZE: A3

PART A			
Description of tool	M/R AND T/R BLADE STAND	Tool Part No. (OEM)	3G6200G00131
Document reference	39-A-HE-09-00-00A-066A-A AW139 IETP	Aircraft type	AW139
Signature			
Name	: JASMALIZAM JAMALUDIN		
Designation	: ENGINEERING CONTROLLER		
Date	: 16 / 7 / 2024		

PART B			
Drawing No.	ED059001	Assigned Part No.	3G6200G00131GAM
Engineering Order No.	GAM227 / EO		
Signature			
Name	: MUHAMMAD RAFIQ BIN KAMARUDDIN		
Designation	: DESIGN ENGINEER		
Date	: 18 / 7 / 24		
Verification			
Signature			
Name	: SYAFRUL YAMANI BIN SAFRUDDIN		
Designation	: ENGINEERING MANAGER		
Date	: 18 / 7 / 24		

PART C			
Evaluation			
Section 1			
	Original/ OEM Tool	Equivalent Tool	Remarks
Part No. and Model	N/A	N/A	N/A
Technical Specification:			
i. N/A	N/A	N/A	N/A
ii. N/A	N/A	N/A	N/A
iii. N/A	N/A	N/A	N/A
Section 2			
Condition of Tool:	Satisfactory	Unsatisfactory	Remarks
i. Technical Specification	/		
ii. Dimension	/		
iii. Physical appearance	/		
iv. Paintwork	/		
v. Surface treatment	/		
vi. Function/Operation	/		
vii. Safety feature	/		
viii. Attachment & fitting	/		
Requirement for load test	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Requirement for calibration	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

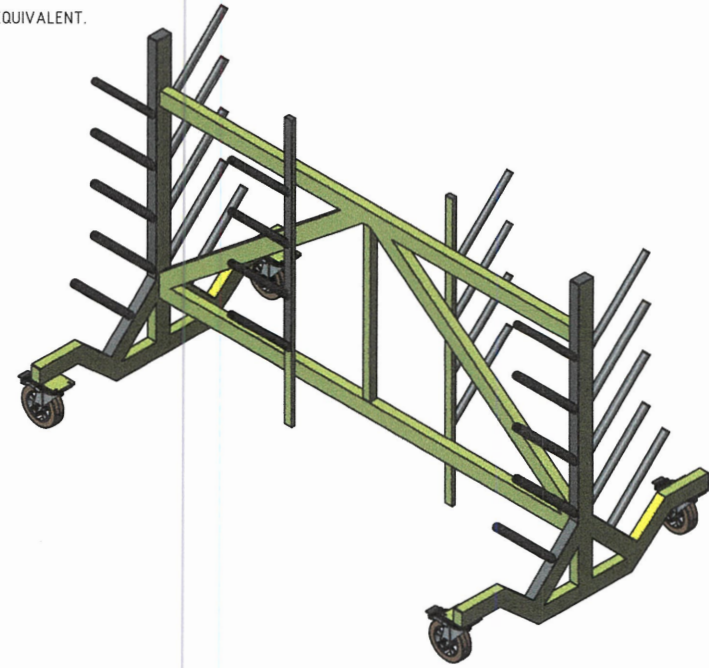
PART D	
Declaration	
I hereby verify that:	
<input checked="" type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be equivalent to that specified in the Maintenance Data/ Drawing.	
<input type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be incompatible for use in accordance with specifications in the Maintenance Data/ Drawing.	
Signature	: 
Name	: MUHAMMAD RAFIQ BIN KAMARUDDIN
Designation	: DESIGN ENGINEER
Date	: 18/7/24



REV	DESCRIPTION	DATE
0	INITIAL REVISION	01/12/2021

NOTES:

1. ALL STRUCTURES ARE CLOSED-ENDS AND EACH JOINT TO BE FUSION ARC BUTT/FILLET WELDED PER EN ISO 4063:2009 OR EQUIVALENT.
2. REMOVE ALL SHARP EDGES AND BURRS.
3. PERFORM NDT ON ALL WELDED JOINTS. NO CRACKS ARE ALLOWED.
4. EACH CASTOR WHEEL MUST BE ABLE TO WITHSTAND MINIMUM LOAD OF 350 KG.
5. ASSY/SUB-ASSY TO BE PAINTED YELLOW EXCEPT FOR THREADED PARTS.
6. ITEM 1, 2, 3, 4, AND 5 TO BE WELDED TOGETHER
7. ITEM 6 TO BE STICKED AROUND ITEM 2.
8. ITEM 7 TO BE STICKED AROUND ITEM 3, 4 AND VERTICAL STAND.
9. THE GROUND SUPPORT EQUIPMENT DRAWINGS ARE MADE REFERENCE WITH ITEM PART NUMBER 3G6200G00131.

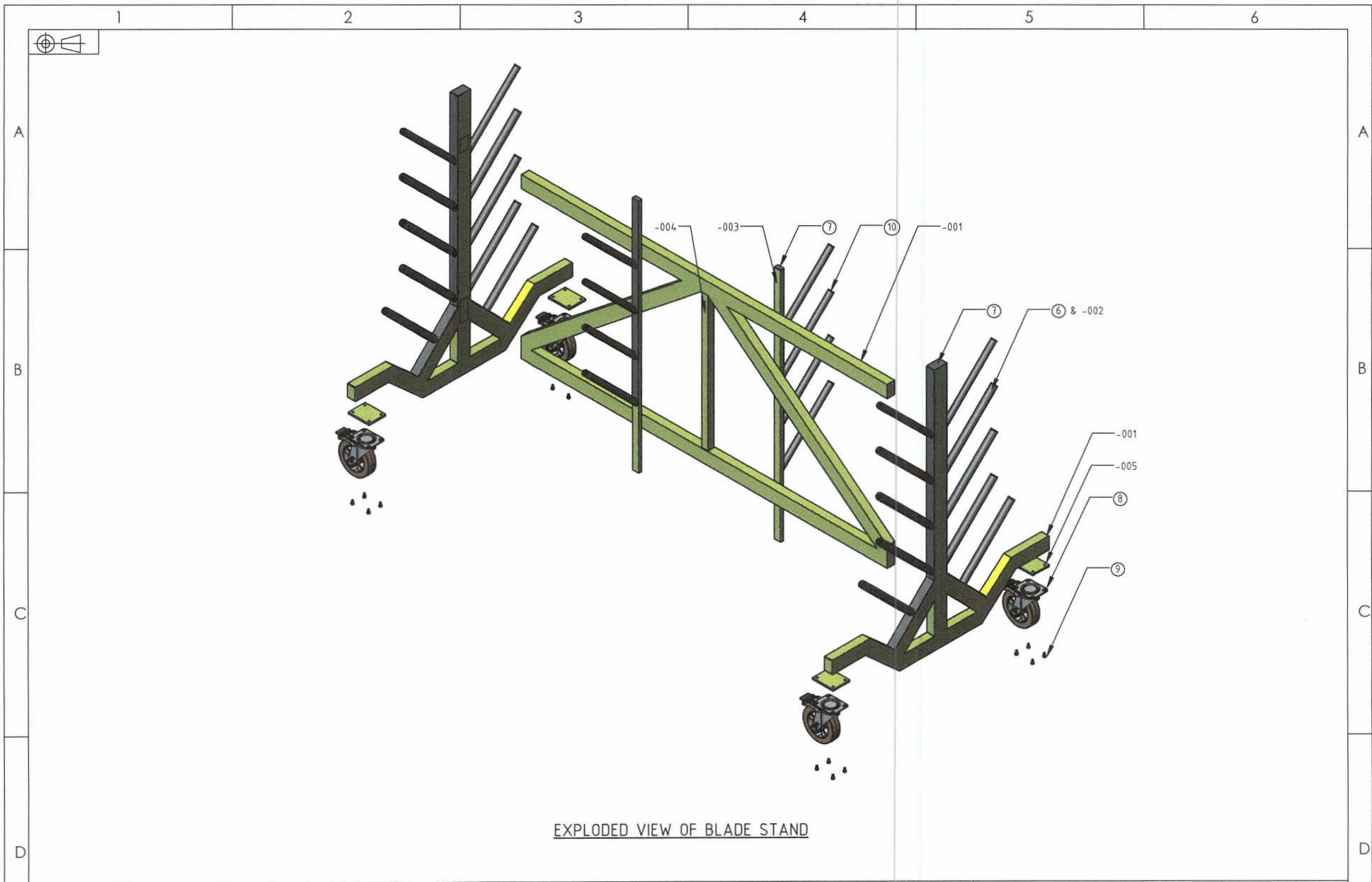


ISO VIEW OF BLADE STAND

ITEM NO	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATIONS	FINISH
10	COMMERCIAL	28	ROUND EDGE CAP	PLASTIC	1" DIA	-
9	COMMERCIAL	16	BOLT	LOW-CARBON STEEL	3/8"-24 DIA x 0.625" LENGTH	-
8	COMMERCIAL	4	CASTOR WHEEL	NYLON	8" WITH BRAKE	-
7	COMMERCIAL	AR	FOAM PADDING	HARD NEOPRENE FOAM	3MM THICKNESS	5
6	COMMERCIAL	AR	FOAM PADDING	SOFT NEOPRENE FOAM	6MM THICKNESS	5
5	ED058001-005	4	RECTANGULAR PLATE	LOW-CARBON STEEL	DEPEND ON CASTOR WHEEL	5
4	ED058001-004	AR	SQUARE TUBE	LOW-CARBON STEEL	1 1/2" x 1 1/2" x 0.063" THICKNESS	5
3	ED058001-003	AR	RECTANGULAR TUBE	LOW-CARBON STEEL	1 1/2" x 3/4" x 0.083" THICKNESS	5
2	ED058001-002	28	ROUND TUBE	LOW-CARBON STEEL	1" DIA x 0.049" THICKNESS	5
1	ED058001-001	AR	RECTANGULAR TUBE	LOW-CARBON STEEL	3.15" x 2" x 0.083" THICKNESS	5

BILL OF MATERIALS

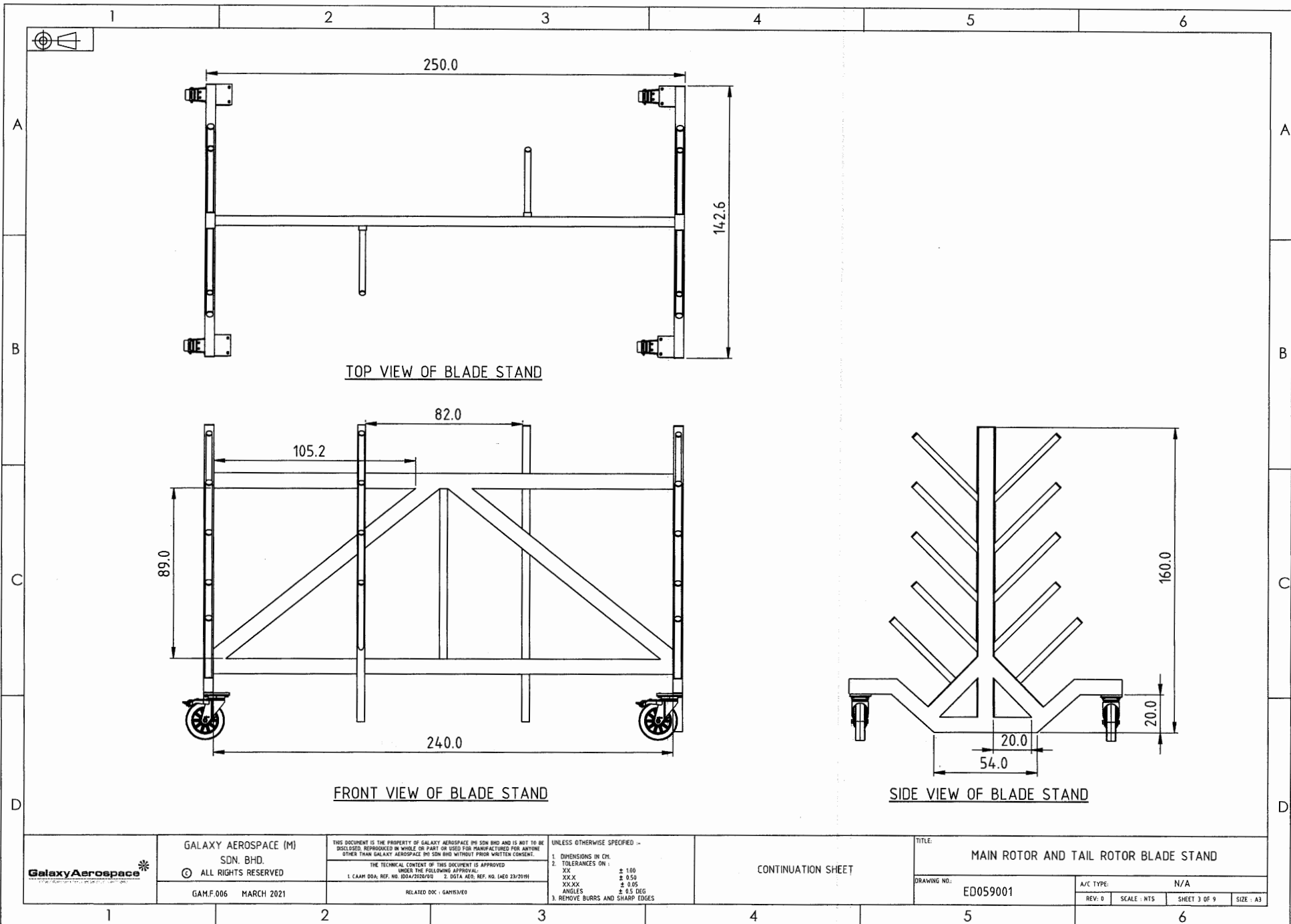
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	GAM.F.006 MARCH 2021	RELATED DOC: GAN15/EO	APPROVED BY: 	DRAWING NO: ED059001	A/C TYPE: N/A REV. 0 SCALE: NTS SHEET 1 OF 9 SIZE: A3



EXPLODED VIEW OF BLADE STAND

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	GAM.F.006 MARCH 2021	RELATED DOC: GAM53/00	DRAWING NO: ED059001	A/C TYPE: N/A REV. 0 SCALE: NTS SHEET 2 OF 9 SIZE: A3	





**Galaxy Aerospace**  
Galaxy Aerospace (M) Sdn. Bhd.

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THE TECHNICAL CONTENT OF THIS DOCUMENT IS APPROVED UNDER THE FOLLOWING APPROVAL:

1. CAMH DDA, REF. NO. ID04/2020/03 2. DGT AEO, REF. NO. IAE0 23/2019

RELATED DOC : GAMHSYEO

UNLESS OTHERWISE SPECIFIED :-

1. DIMENSIONS IN CM:  
 XX ± 1.00  
 XX.X ± 0.50  
 XX.XX ± 0.05  
 ANGLES ± 0.5 DEG

2. TOLERANCES ON:  
 3. REMOVE BURRS AND SHARP EDGES

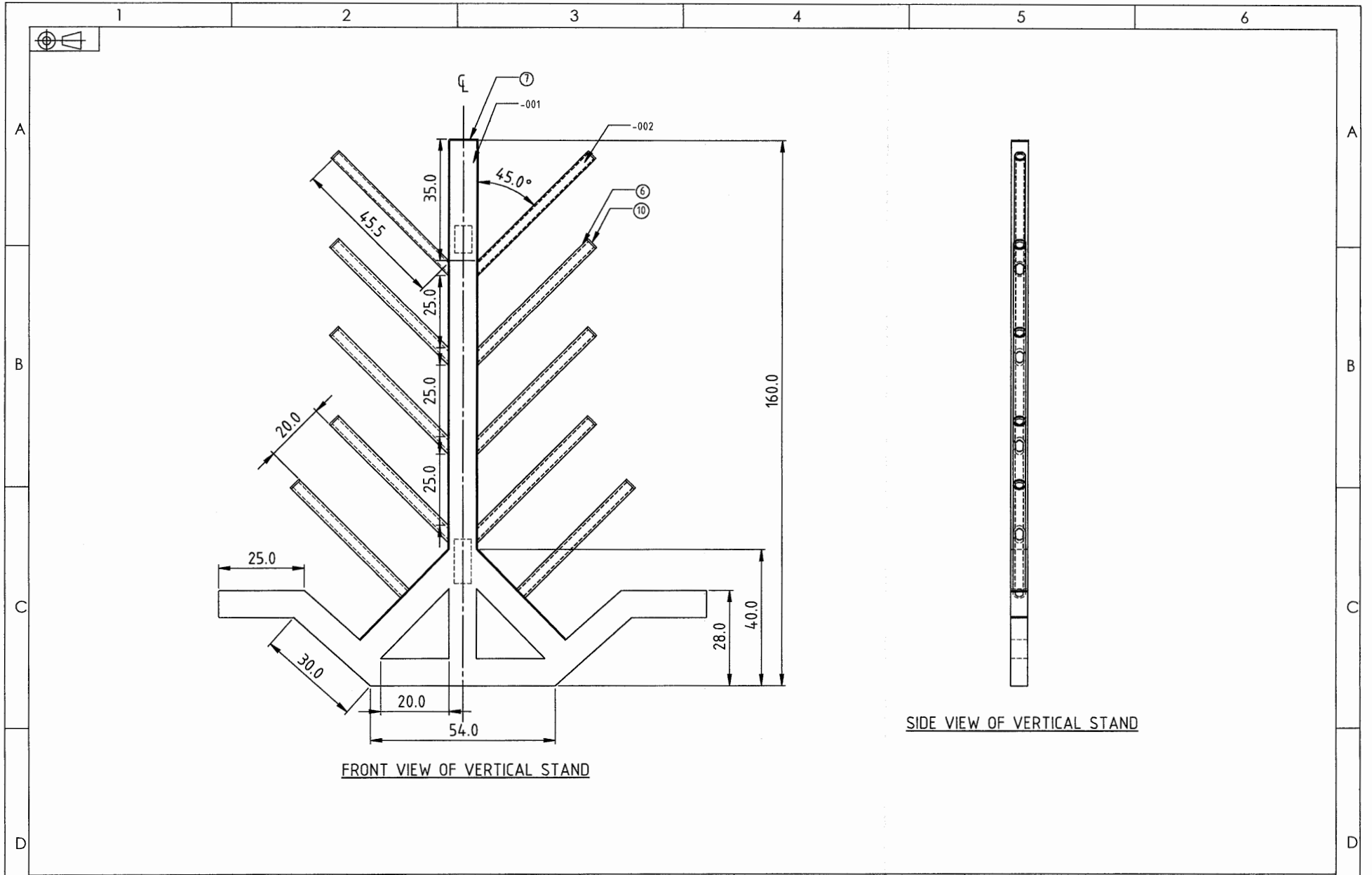
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DRAWING NO: **ED059001**

A/C TYPE: **N/A**

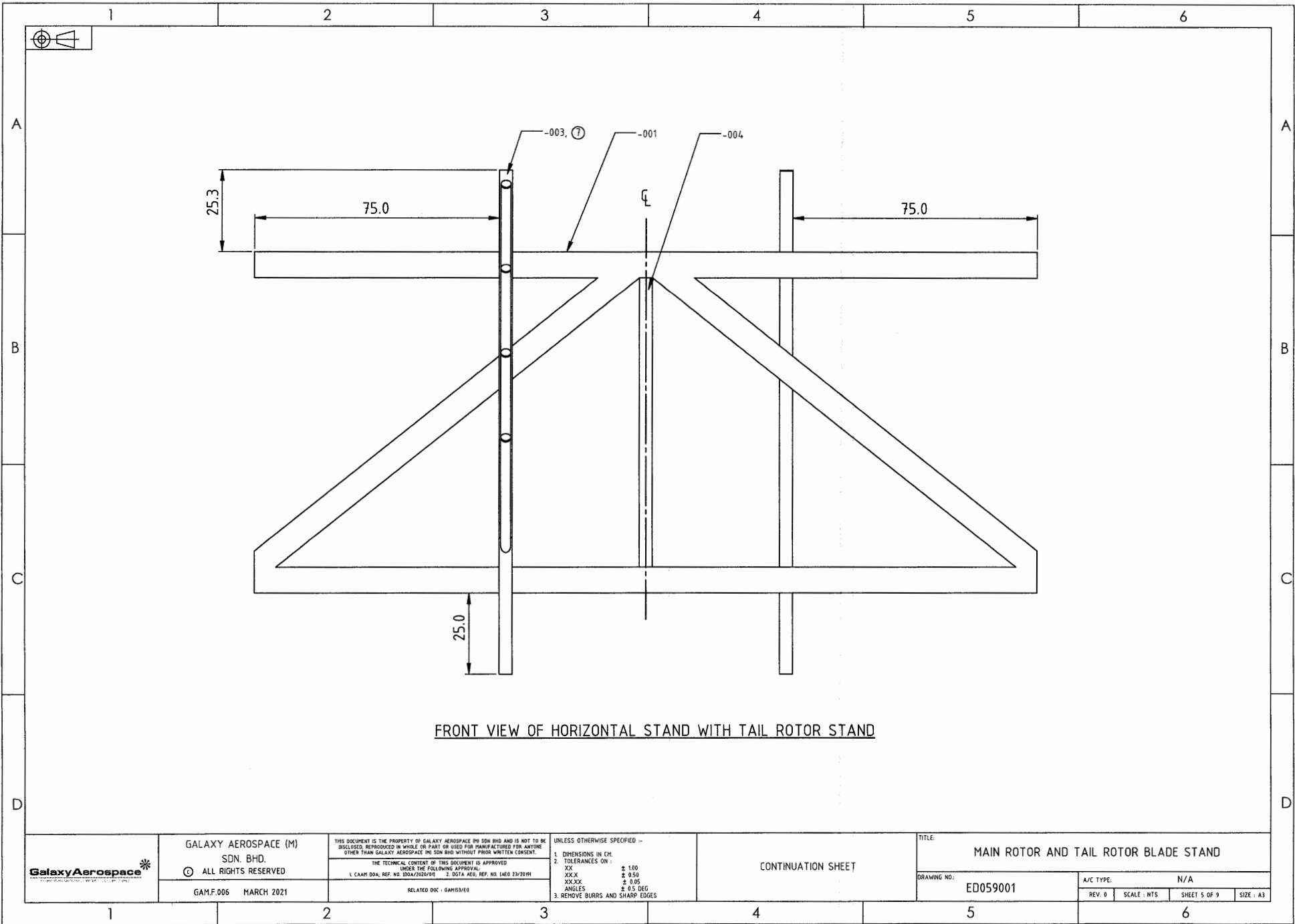
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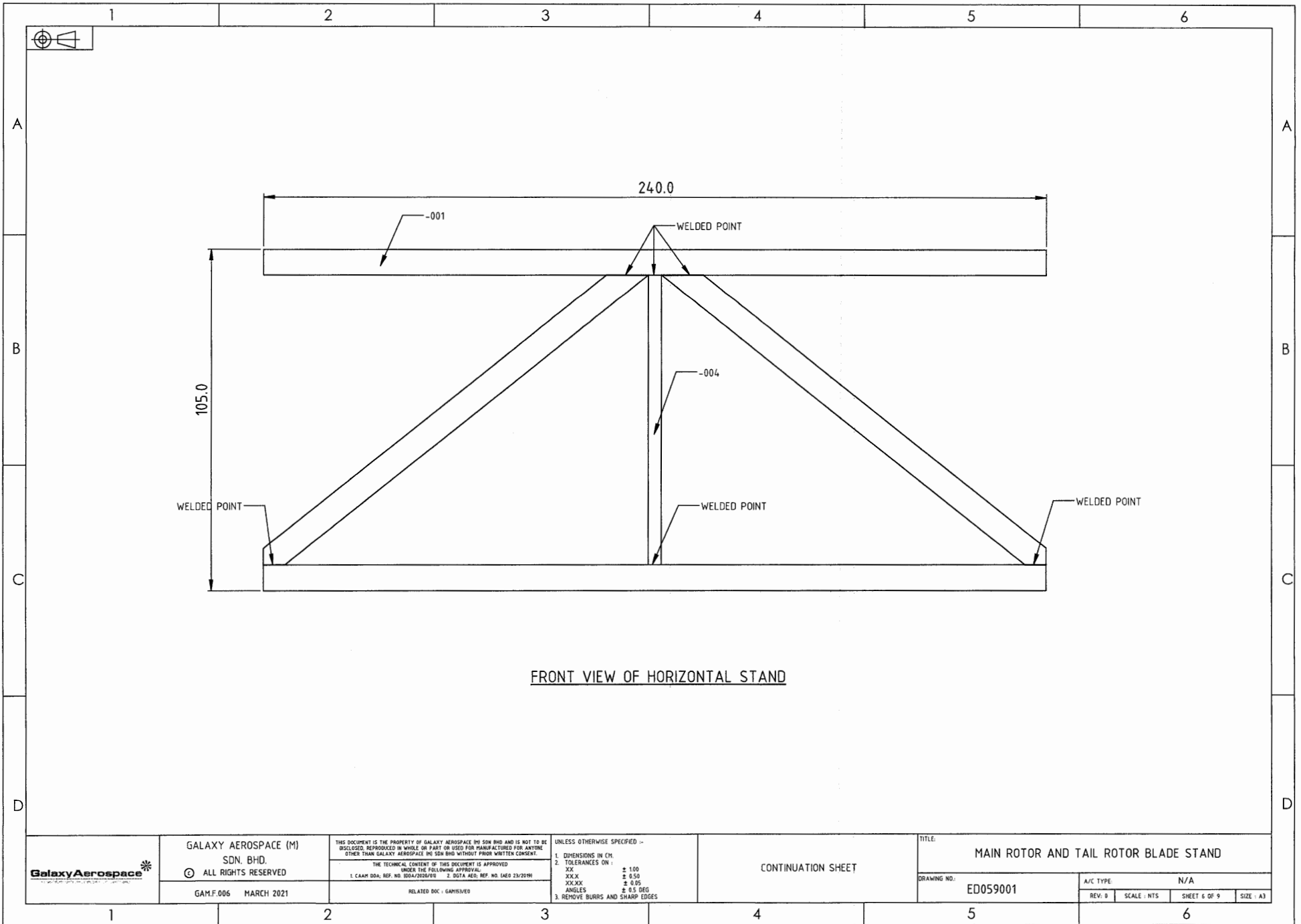


FRONT VIEW OF VERTICAL STAND

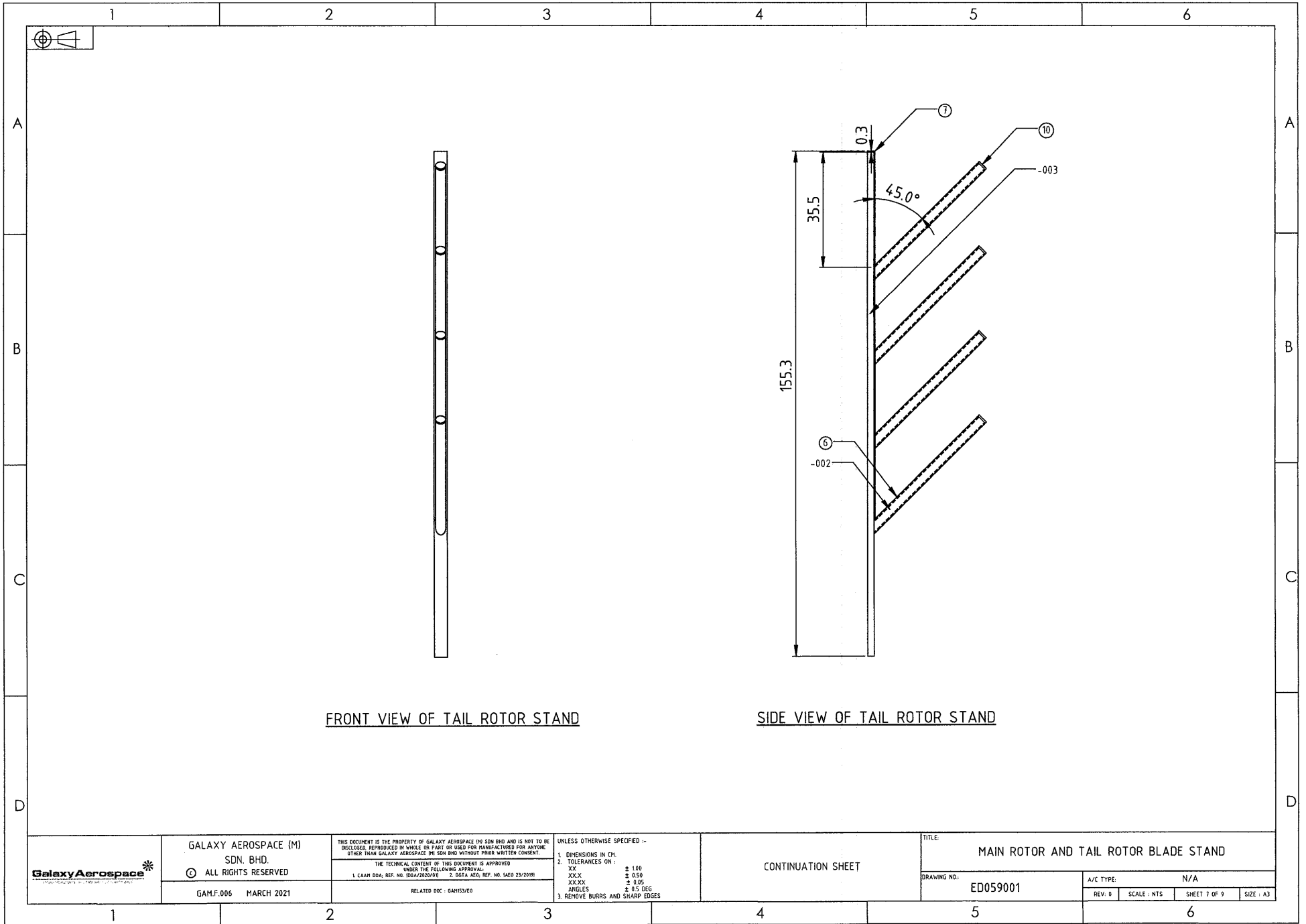
SIDE VIEW OF VERTICAL STAND

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	GAMF.006 MARCH 2021	RELATED DOC : GAMR3V10	CONTINUATION SHEET	DRAWING NO: <b>ED059001</b>





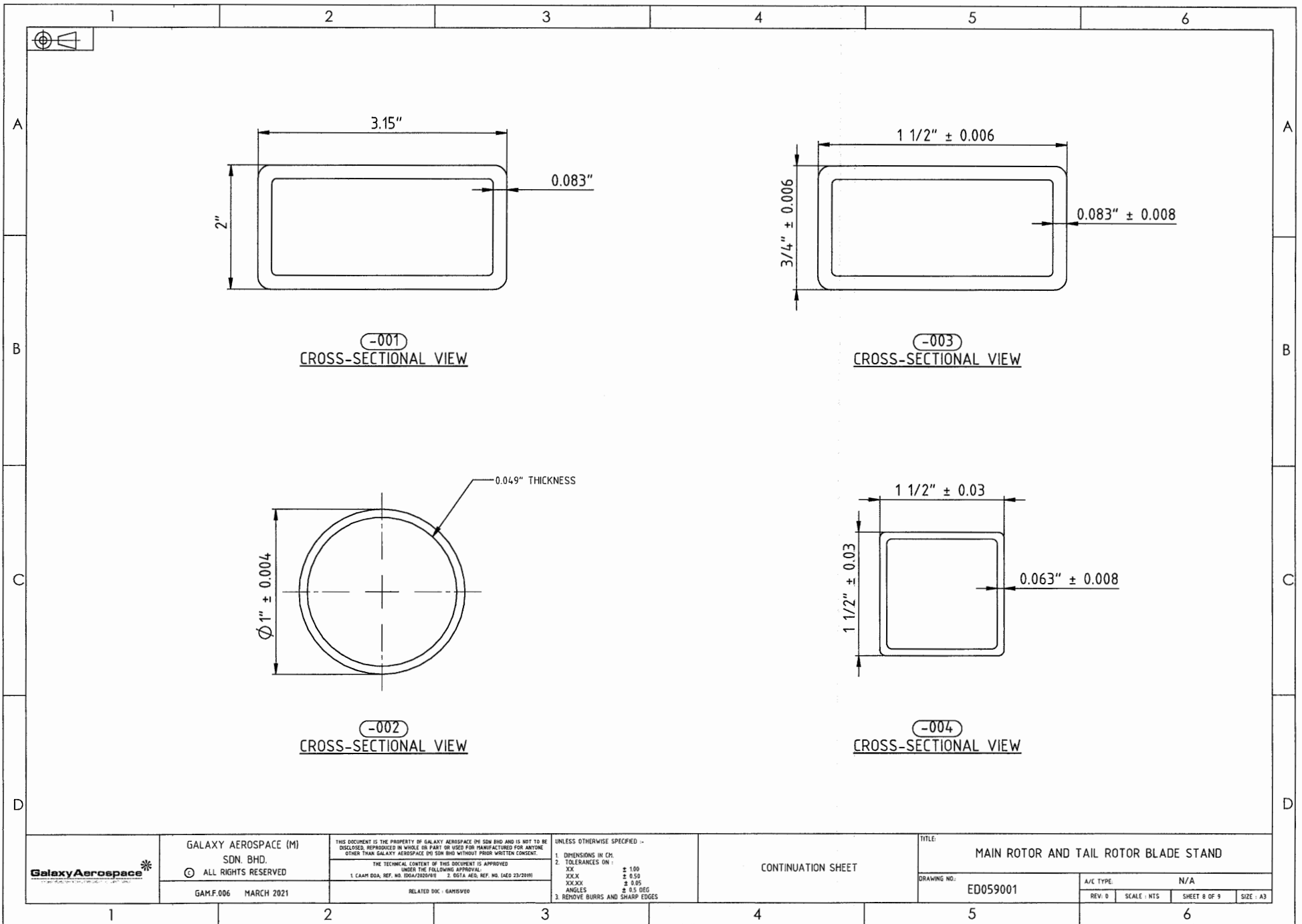
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	GAM.F.006    MARCH 2021	RELATED DOC : GAMHSVED				



FRONT VIEW OF TAIL ROTOR STAND

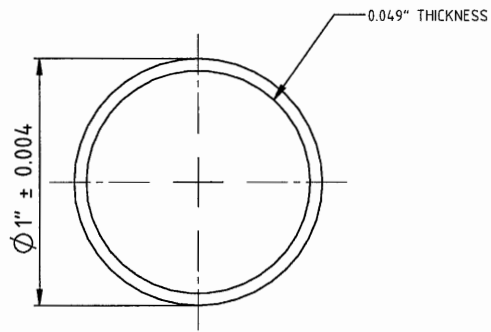
SIDE VIEW OF TAIL ROTOR STAND

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	GAM.F.006 MARCH 2021	RELATED DOC : GANHS3VE0	DRAWING NO. ED059001	A/C TYPE: N/A REV. 0 SCALE : NTS SHEET 7 OF 9 SIZE : A3	

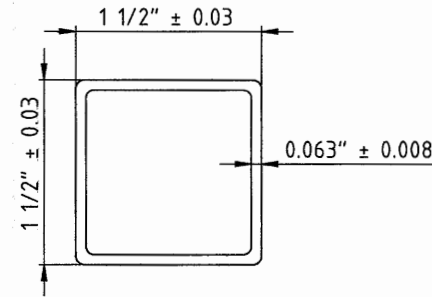


**-001**  
**CROSS-SECTIONAL VIEW**

**-003**  
**CROSS-SECTIONAL VIEW**



**-002**  
**CROSS-SECTIONAL VIEW**



**-004**  
**CROSS-SECTIONAL VIEW**



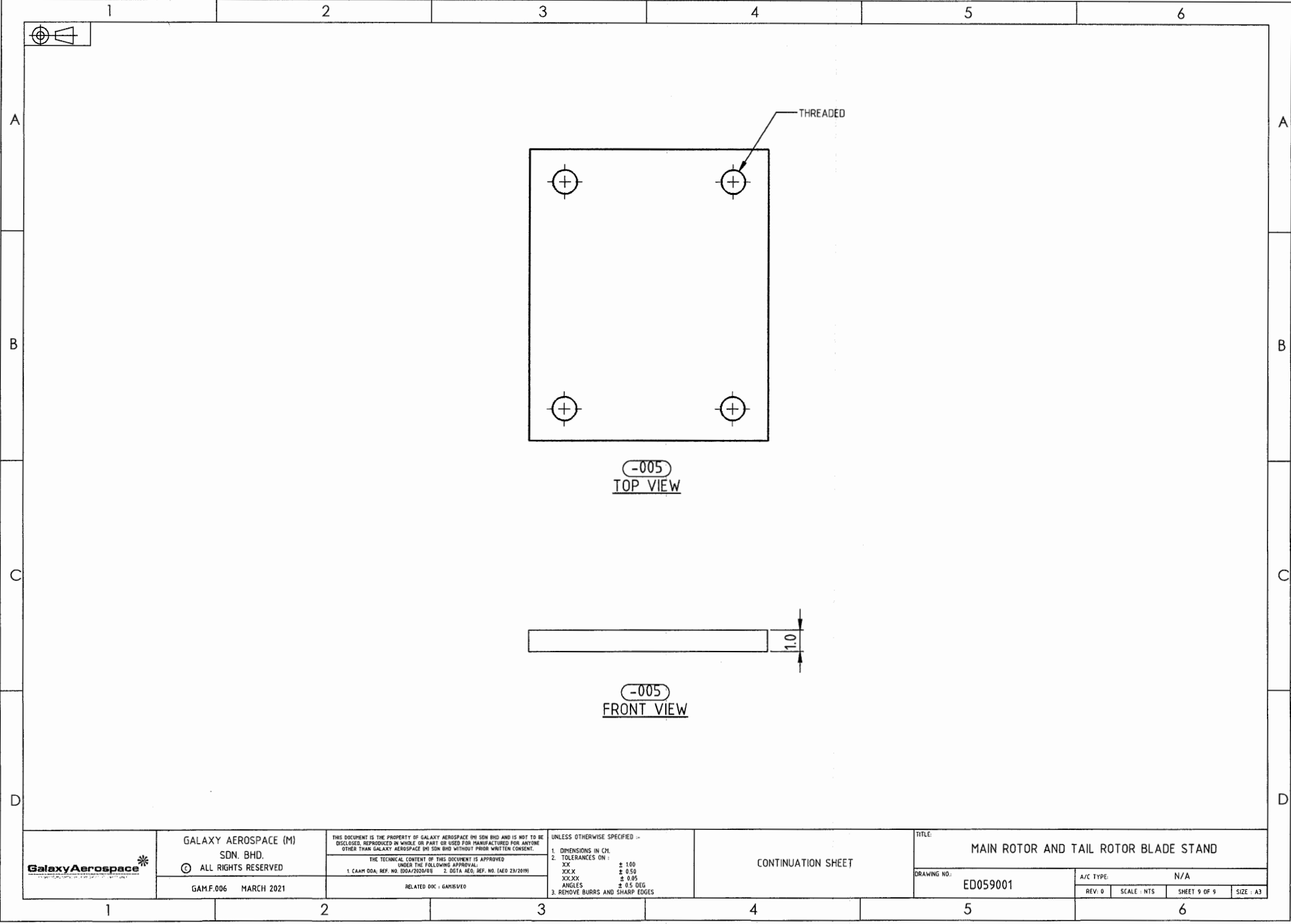
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SDN. BHD.  
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THE TECHNICAL CONTENT OF THIS DOCUMENT IS APPROVED UNDER THE FOLLOWING APPROVAL:  
1. CAAM DDA, REF. NO. DD04/2020/F01 2. GSTA AEO, REF. NO. LAEO 23/2019  
RELATED DOC : GAMSVEG

UNLESS OTHERWISE SPECIFIED :-  
1. DIMENSIONS IN CM;  
2. TOLERANCES ON :  
XX ± 1.00  
XX.X ± 0.50  
XX.XX ± 0.05  
ANGLES ± 0.5 DEG  
3. REMOVE BURRS AND SHARP EDGES

CONTINUATION SHEET

TITLE: <b>MAIN ROTOR AND TAIL ROTOR BLADE STAND</b>			
DRAWING NO.:	ED059001	A/C TYPE:	N/A
REV. D	SCALE : NTS	SHEET 8 OF 9	SIZE : A3

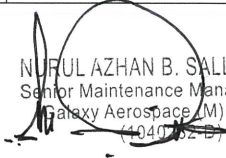




-005  
TOP VIEW

-005  
FRONT VIEW

1.0

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	GAM.F.006    MARCH 2021	RELATED DOC: GAMRV00	CONTINUATION SHEET	1    2    3    4    5    6		

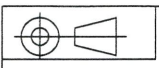
PART A			
Description of tool	TROLLEY ENGINE SUPPORT (TROLLEY ENGINE TRANSPORT)	Tool Part No. (OEM)	3G 7105 G 00132
Document reference	39-A-71-05-00-010-941A-A AW139 IETP	Aircraft type	AW139
Signature :	 NURUL AZHAN B. SALLEHUDDIN Senior Maintenance Manager (SMM) Galaxy Aerospace (M) Sdn Bhd (4040032-B)		
Name :			
Designation :			
Date :			
	4/11/2023		

PART B			
Drawing No.	ED145001	Assigned Part No.	3G7105G00132GAM
Engineering Order No.	GAM 227 IEO		
Signature :			
Name :			
Designation :			
Date :			
	4/11/2023		
Verification			
Signature :	 MOHD RAIS BIN HAJI OTHMAN SQA ACCEPTANCE REPRESENTATIVE (BAR) SI PENGUATKUASAAN MARITIM MALAYSIA KEMENTERIAN DALAM NEGERI		
Name :			
Designation :			
Date :			
	07/11/23		

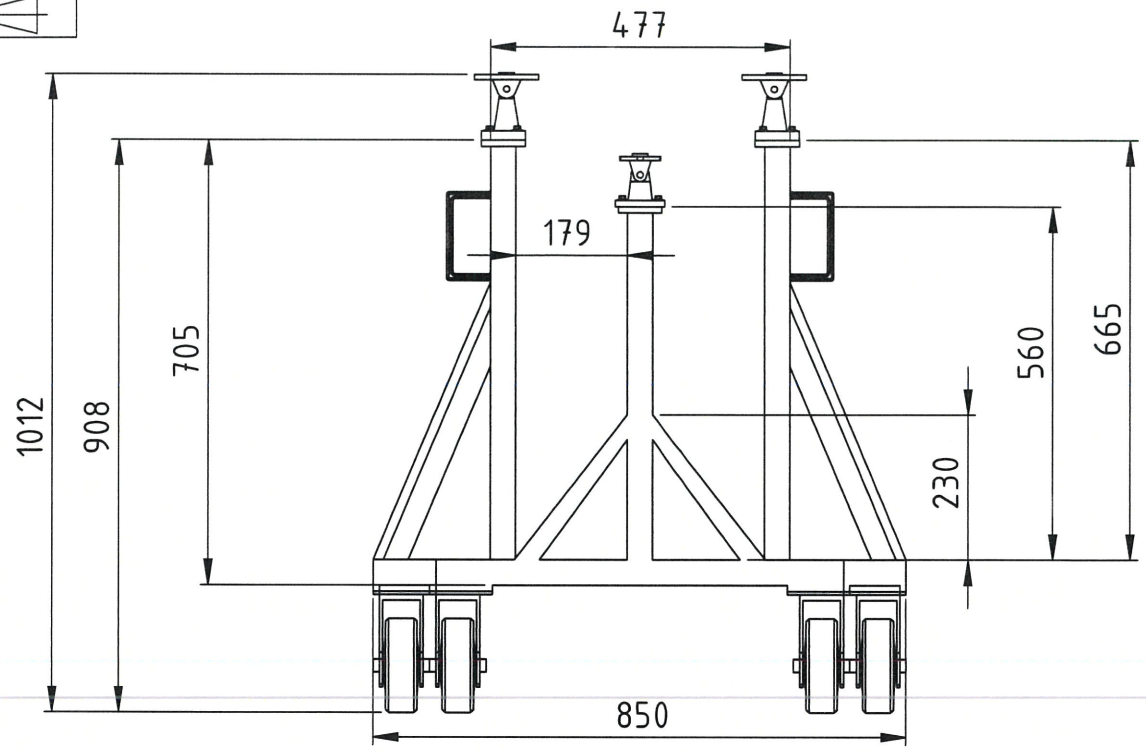


PART C			
Evaluation			
Section 1			
	Original/ OEM Tool	Equivalent Tool	Remarks
Part No. and Model	N/A	N/A	
Technical Specification:			
i.	N/A	N/A	
ii.	N/A	N/A	
iii.	N/A	N/A	
Section 2			
Condition of Tool:	Satisfactory	Unsatisfactory	Remarks
i. Technical Specification	/		
ii. Dimension	/		
iii. Physical appearance	/		
iv. Paintwork	/		
v. Surface treatment	/		
vi. Function/Operation	/		
vii. Safety feature	/		
viii. Attachment & fitting	/		
Requirement for load test	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Requirement for calibration	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

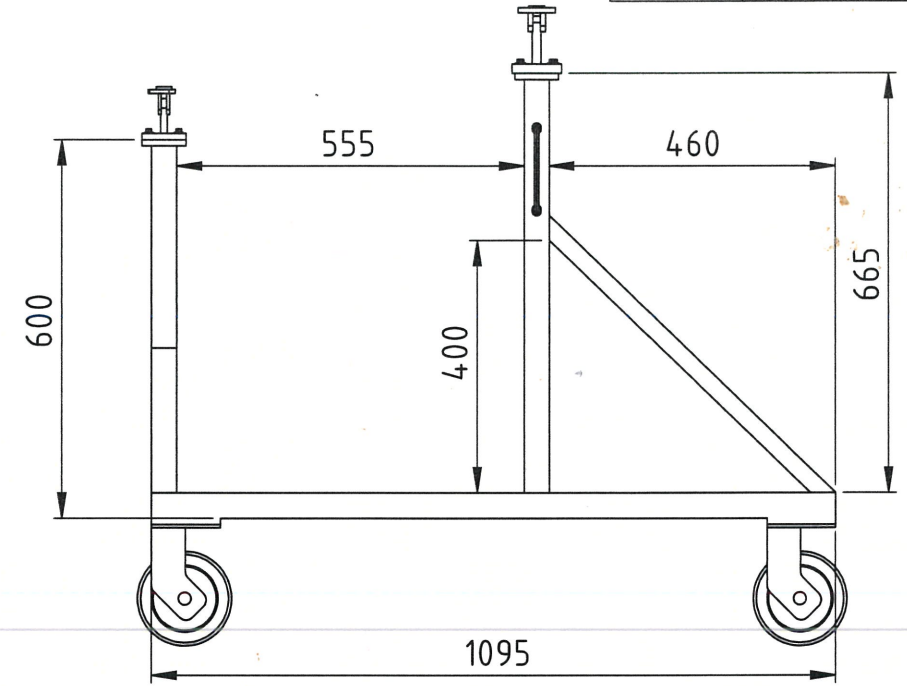
PART D	
Declaration	
I hereby verify that:	
<input checked="" type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be equivalent to that specified in the Maintenance Data/ Drawing. <input type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be incompatible for use in accordance with specifications in the Maintenance Data/ Drawing.	
Signature	:
Name	: MUHAMMAD SHAFIQ BIN ABDUL SHUKOR
Designation	: DESIGN ENGINEER
Date	: 7/11/2023



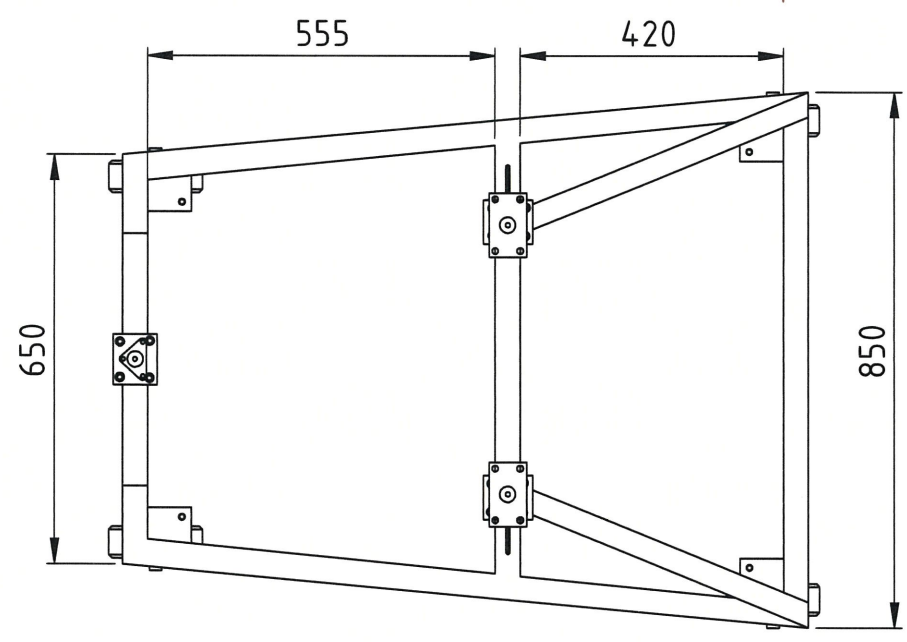
REV	DESCRIPTION	DATE
0	INITIAL REVISION	01/12/2021



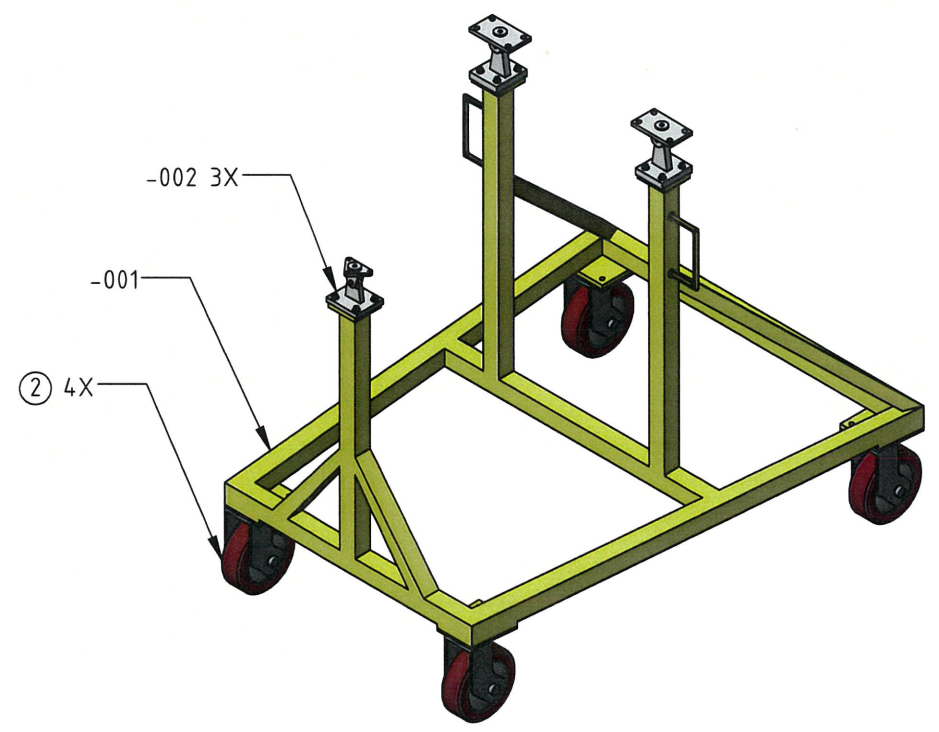
FRONT VIEW



SIDE VIEW



SIDE VIEW



ISO VIEW

NOTES :

1. ALL STRUCTURES ARE CLOSED-ENDS AND EACH JOINT TO BE FUSION ARC BUTT/FILLET WELDED PER EN ISO 4063:2009 OR EQUIVALENT.
2. MACHINING ALL OVER IN ACCORDANCE WITH ISO 14649-201:2011 OR EQUIVALENT.
3. REMOVE ALL SHARP EDGES AND BURRS.
4. PERFORM NDT ON ALL WELDED PARTS. NO CRACKS ARE ALLOWED.
5. PERFORM LOAD TEST USING APPROXIMATELY 330KG OF LOADS. NO DEFECTS ARE ALLOWED.

ITEM NO	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATIONS	REMARK
3	COMMERCIAL	4	CASTER WHEEL	POLYURETHANE	6" WHEEL	-
2	ED145001-002	3	ENGINE MOUNTING	MILD STEEL		②
1	ED145001-001	1	ENGINE TROLLEY BASE	MILD STEEL	1 1/2" X 1 1/2"	①

BILL OF MATERIALS

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	<p>1 2 3 4 5 6</p>					