





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.	-		
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.



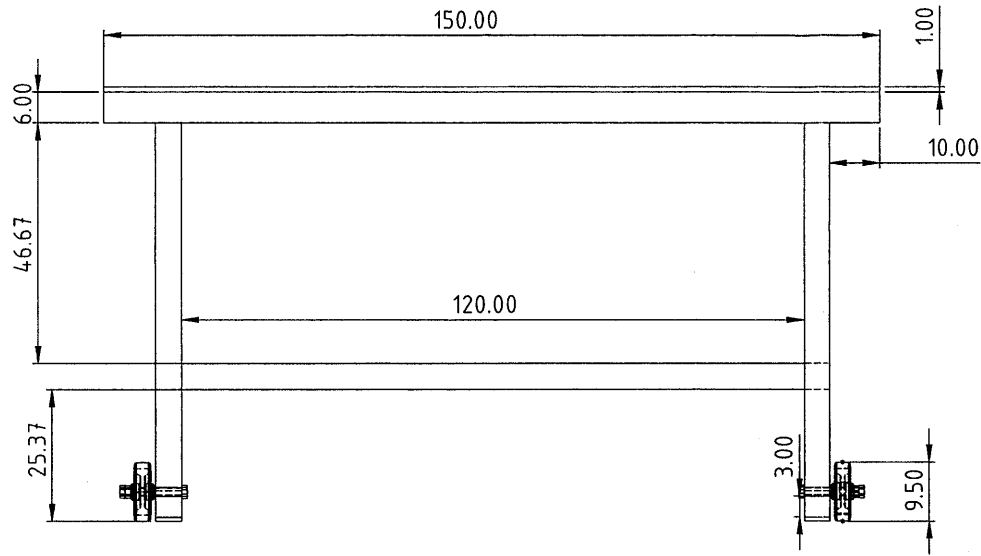
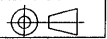
EXPLODED VIEW OF TRESTLE

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 1.5CM	-
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	△5

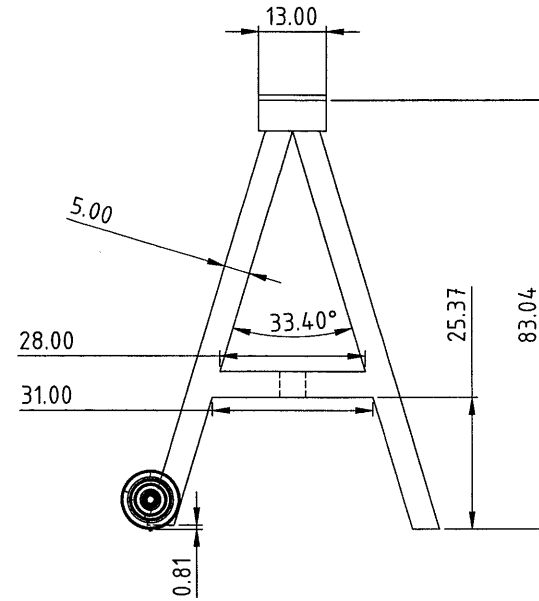
BILL OF MATERIALS

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			<p>APPROVED BY:</p> <p>ISMAIL SULAIMAN</p>	<p>DRAWING NO:</p> <p>ED053001</p>	<p>A/C TYPE:</p> <p>N/A</p>

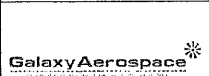
REV. 0	SCALE	NTS	SHEET 1 OF 2	SIZE A3
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FRONT VIEW



SIDE VIEW



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RELATED DOC :

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:

TRESTLE

DRAWING NO.:

ED051001

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.	—		
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	

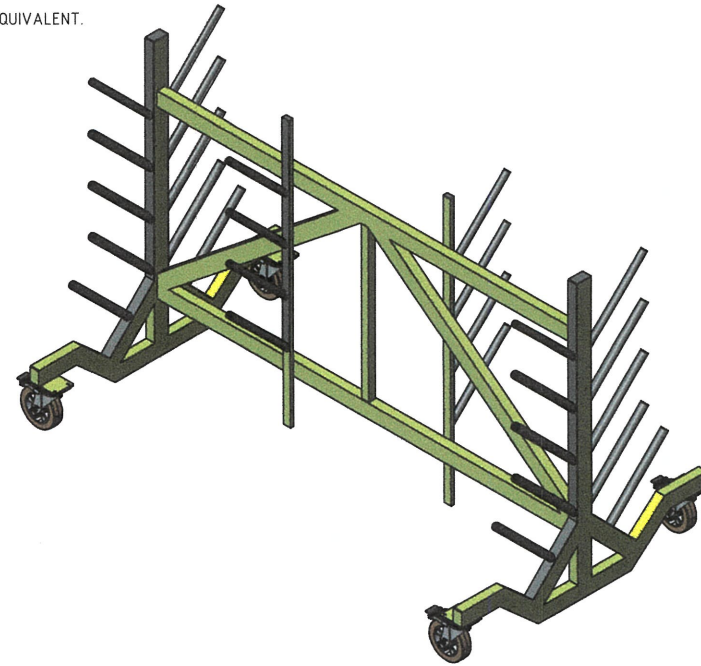
PART D	
Declaration	
I hereby verify that:	
<input checked="" type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be equivalent to that specified in the Maintenance Data/ Drawing. <input type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and 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.

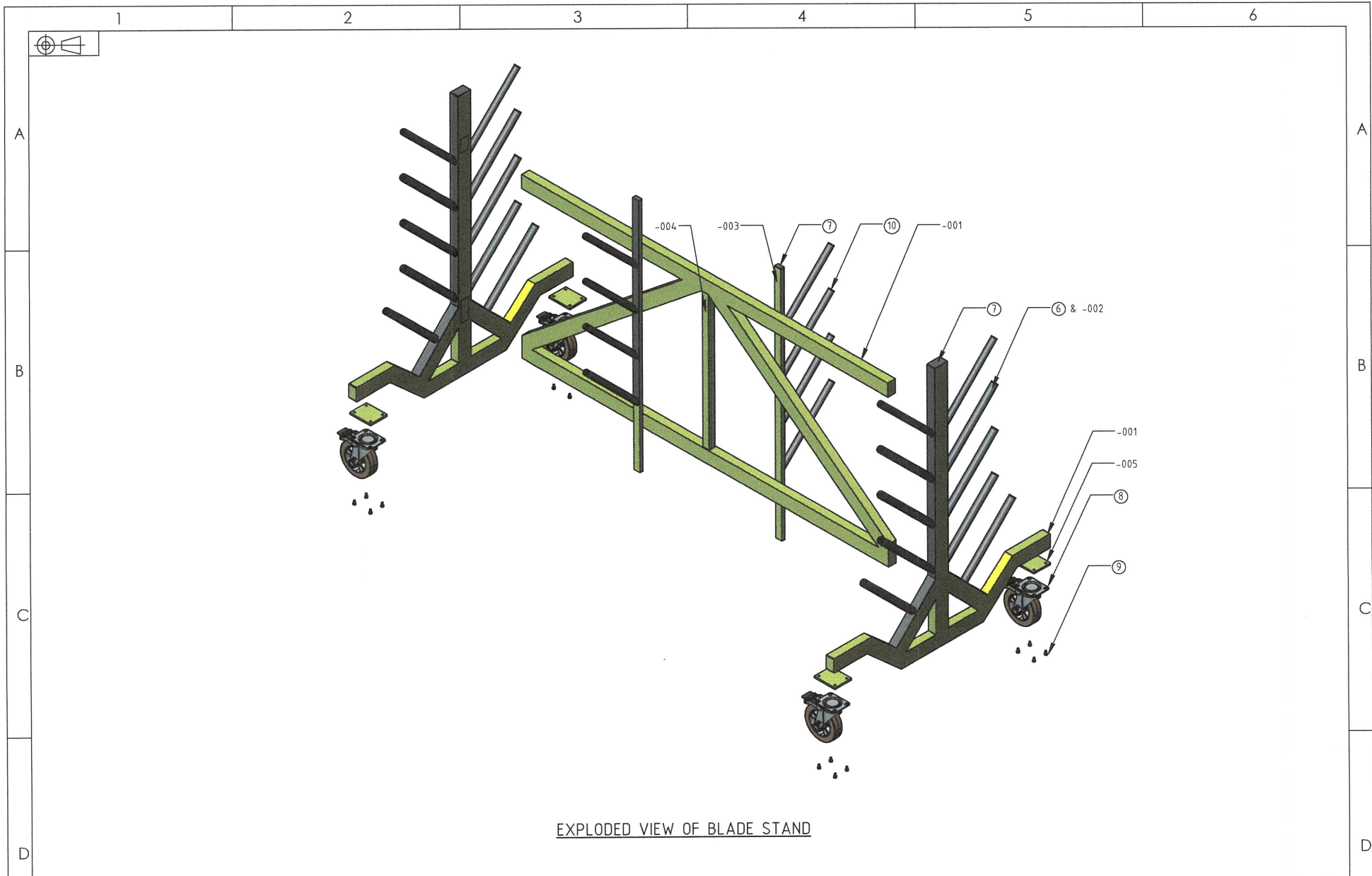


ISO VIEW OF BLADE STAND

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

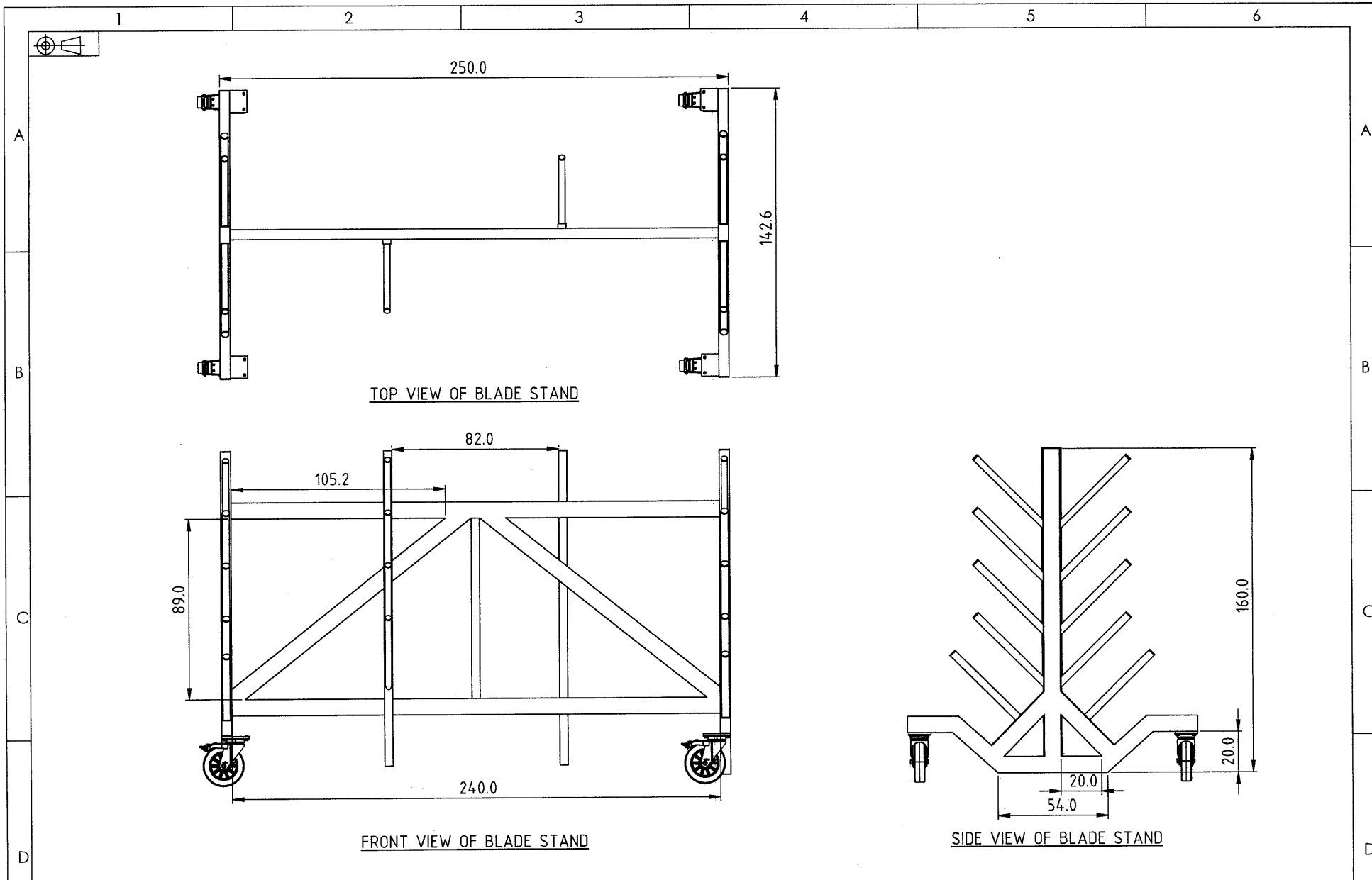
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			<p>APPROVED BY:</p> <p>IR. NIZAM NAZAR</p>	<p>DRAWING NO.:</p> <p>ED059001</p>	<p>A/C TYPE:</p> <p>N/A</p>									
<p>GAM.F.006 MARCH 2021</p>	<p>RELATED DOC : GANHS3VE0</p>	<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>REV 0</th> <th>SCALE</th> <th>NTS</th> <th>SHEET 1 OF 9</th> <th>SIZE A3</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	REV 0	SCALE	NTS	SHEET 1 OF 9	SIZE A3							
REV 0	SCALE	NTS	SHEET 1 OF 9	SIZE A3										



EXPLODED VIEW OF BLADE STAND

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	<p>DRAWING NO: ED059001</p>			<p>A/C TYPE: N/A</p>
	<p>REV 0</p>	<p>SCALE: NTS</p>	<p>SHEET 2 OF 9</p>	<p>SIZE: A3</p>





TOP VIEW OF BLADE STAND

FRONT VIEW OF BLADE STAND


SIDE VIEW OF BLADE STAND

CONTINUATION SHEET

TITLE: MAIN ROTOR AND TAIL ROTOR BLADE STAND

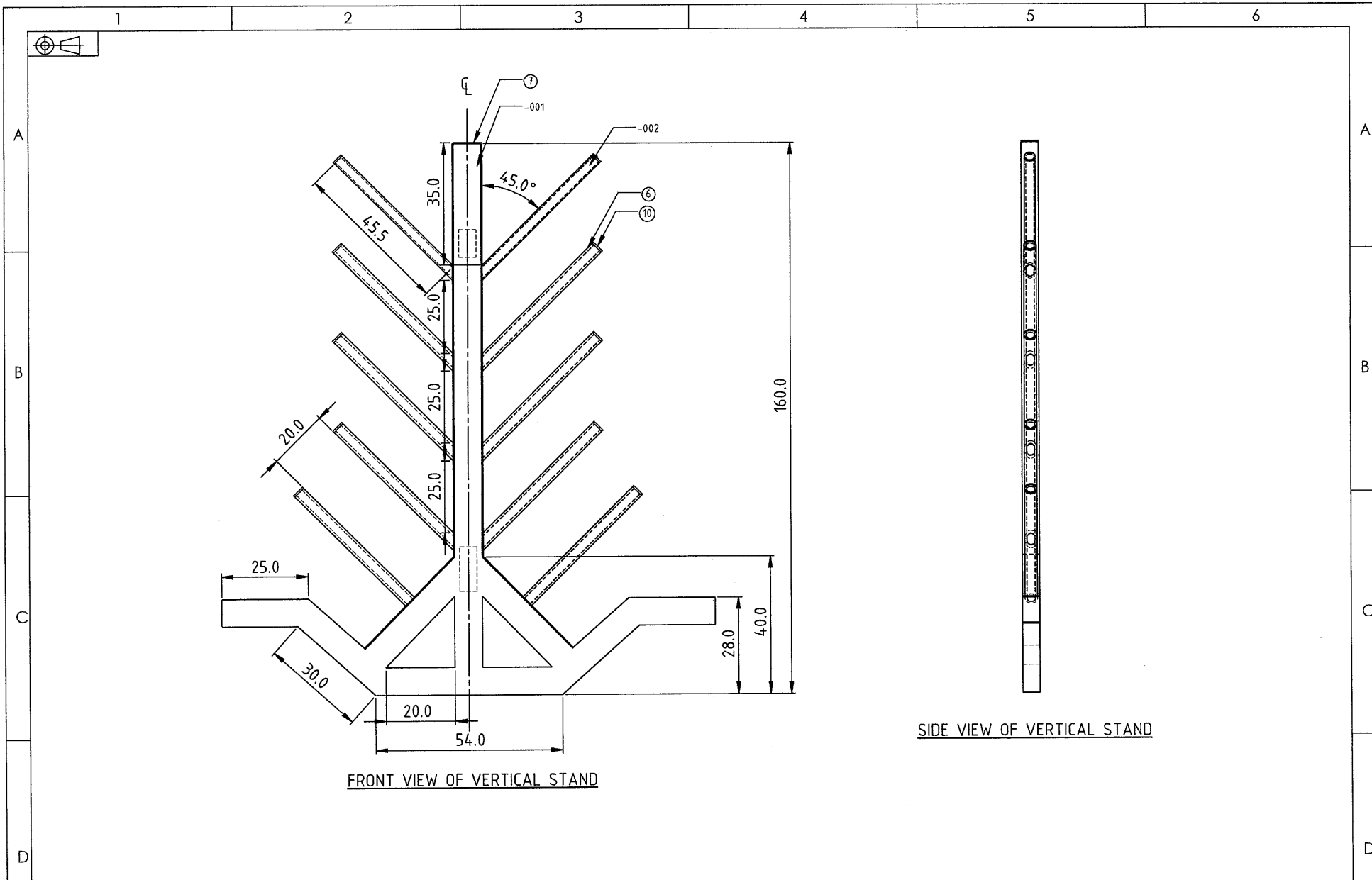
DRAWING NO: ED059001

A/C TYPE:	N/A		
REV: 0	SCALE: NTS	SHEET 3 OF 9	SIZE: A3


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 RELATED DOC: GANIS3/ED

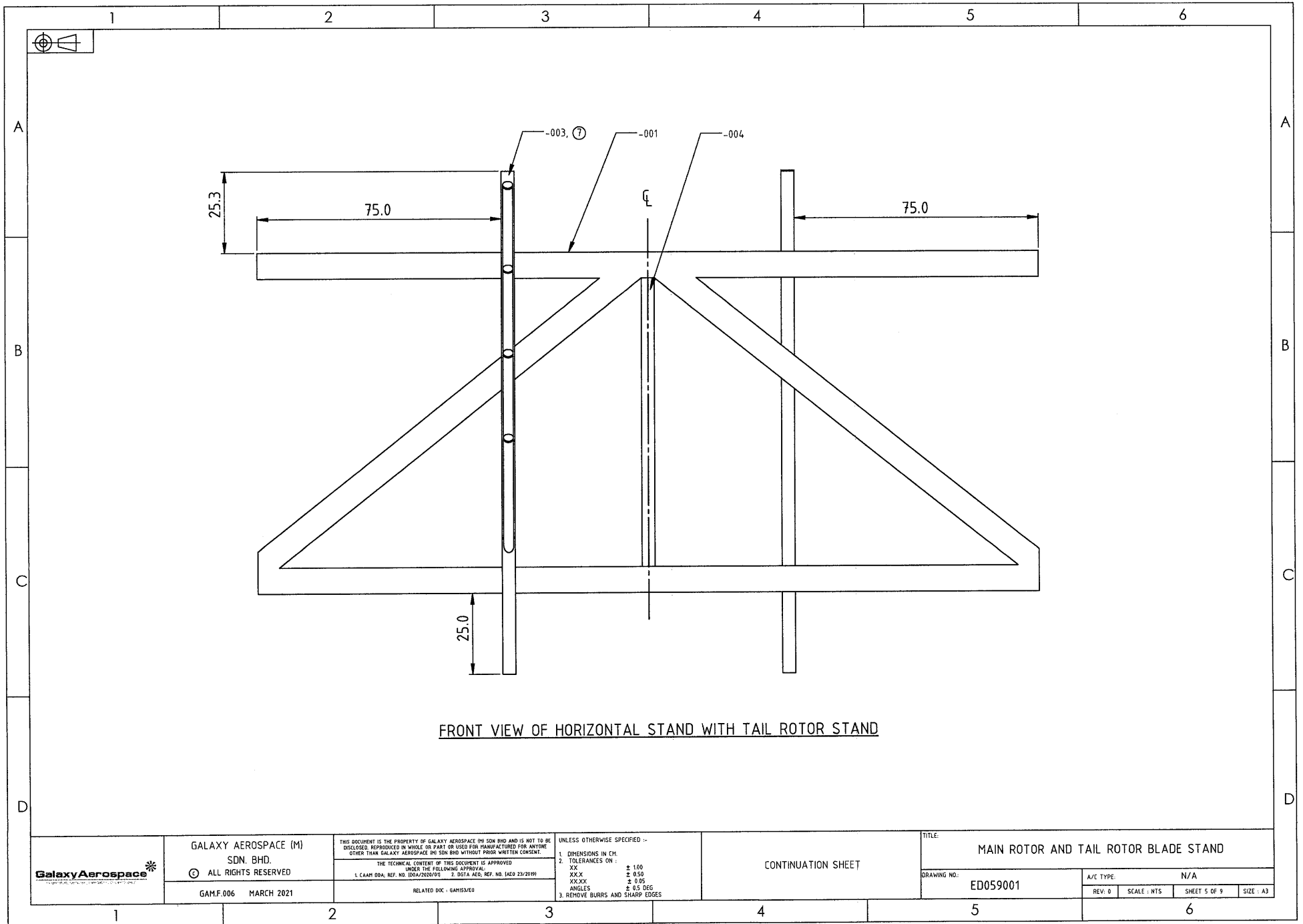
UNLESS OTHERWISE SPECIFIED -  
 1. DIMENSIONS IN CM.  
 2. TOLERANCES ON:  
 XX ± 1.00  
 XXX ± 0.50  
 XXXX ± 0.05  
 ANGLES ± 0.5 DEG  
 3. REMOVE BURRS AND SHARP EDGES



FRONT VIEW OF VERTICAL STAND

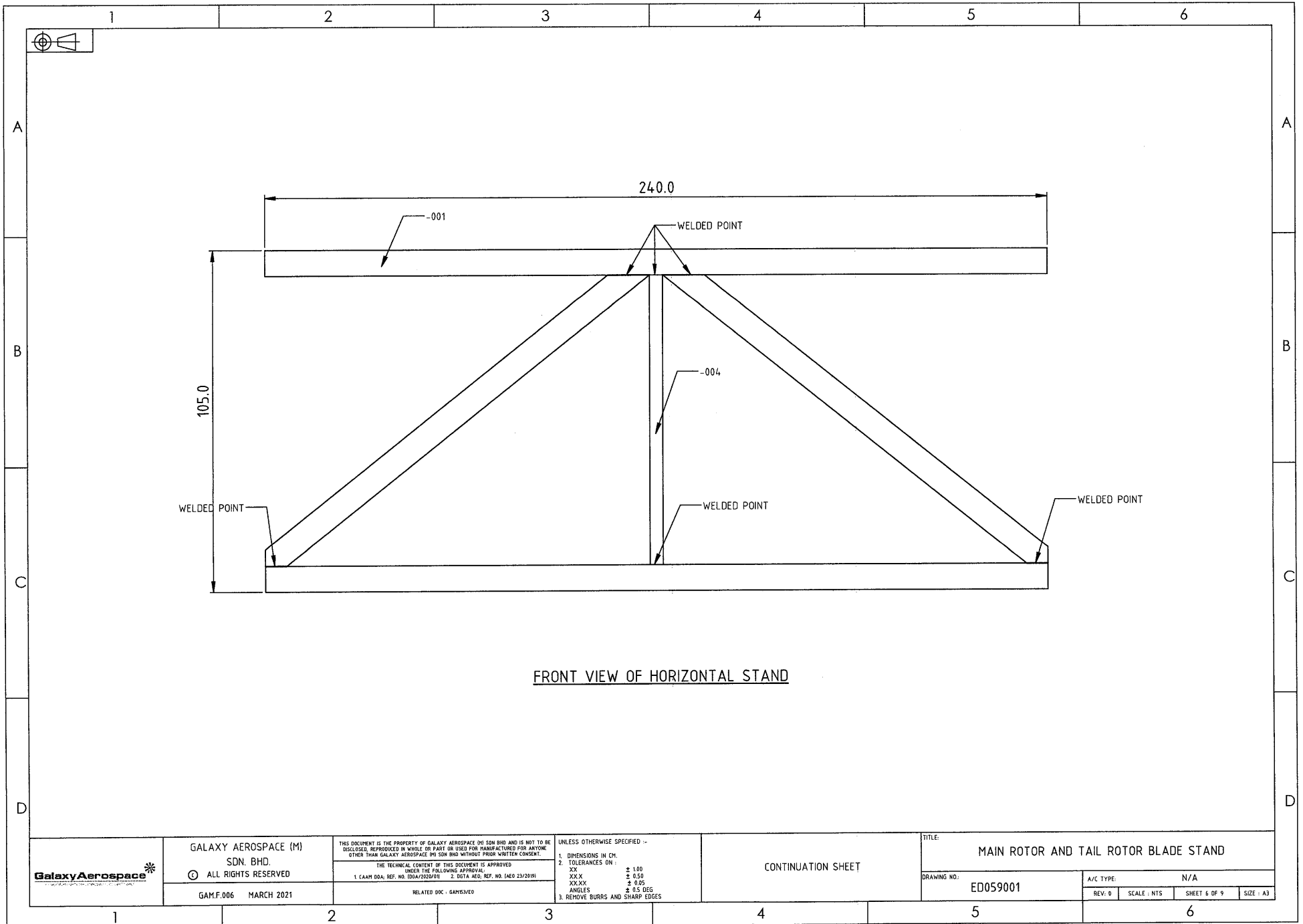
SIDE VIEW OF VERTICAL STAND

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	GAM.F.006    MARCH 2021 RELATED DOC : GANIS/VE	CONTINUATION SHEET		DRAWING NO: <b>ED059001</b>	A/C TYPE:    N/A REV. 0    SCALE : NTS    SHEET 4 OF 9    SIZE : A3



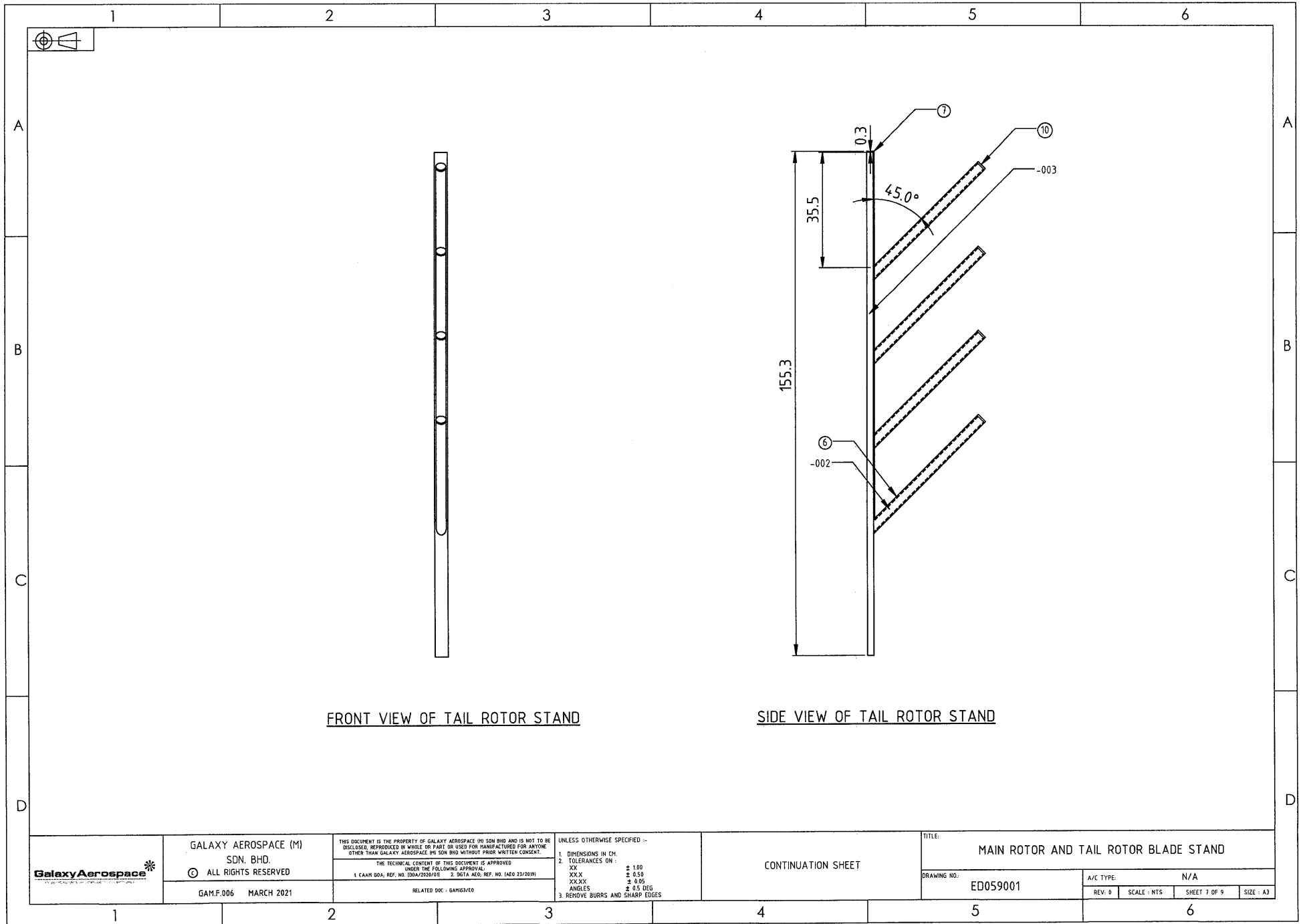
FRONT VIEW OF HORIZONTAL STAND WITH TAIL ROTOR STAND

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	GAM.F.006    MARCH 2021	RELATED DOC : GAM153/E	CONTINUATION SHEET	DRAWING NO: ED059001 A/C TYPE: N/A REV: 0    SCALE: NTS    SHEET 5 OF 9    SIZE: A3



FRONT VIEW OF HORIZONTAL STAND

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	GAMF.006    MARCH 2021	RELATED DOC : GAMF3VE0					



FRONT VIEW OF TAIL ROTOR STAND

SIDE VIEW OF TAIL ROTOR STAND

CONTINUATION SHEET

TITLE: MAIN ROTOR AND TAIL ROTOR BLADE STAND



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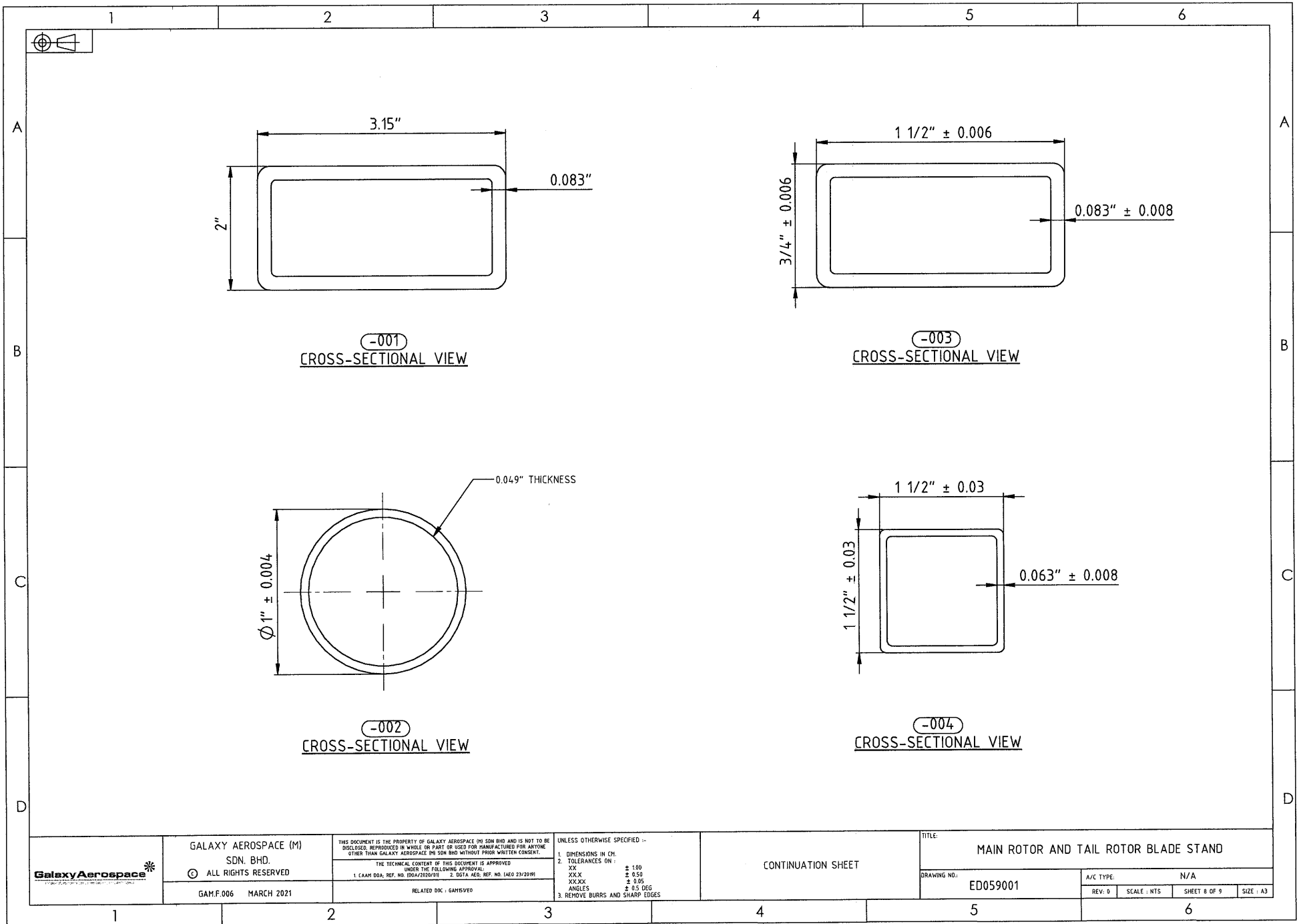
RELATED DOC : GAM32/0

UNLESS OTHERWISE SPECIFIED --

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

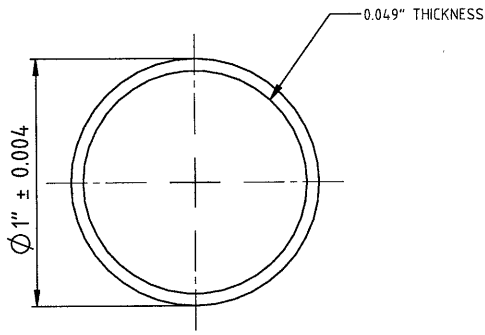
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A/C TYPE:	N/A		
REV: 0	SCALE: NTS	SHEET 7 OF 9	SIZE: A3

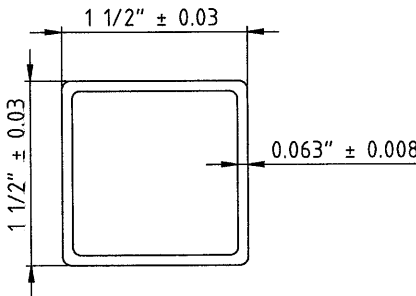


**-001**  
CROSS-SECTIONAL VIEW

**-003**  
CROSS-SECTIONAL VIEW

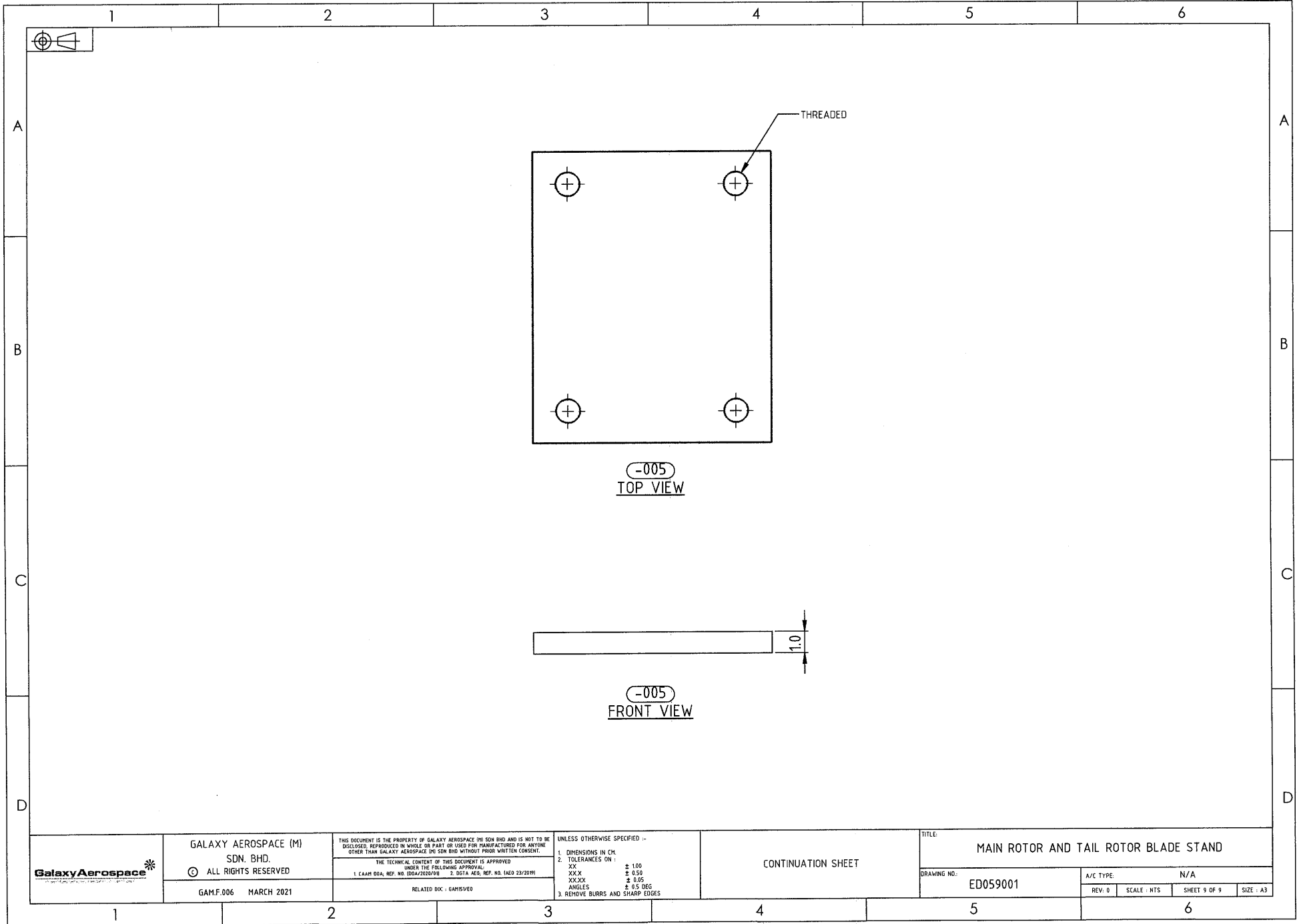


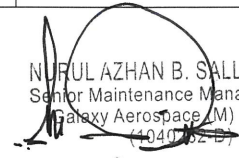
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CROSS-SECTIONAL VIEW


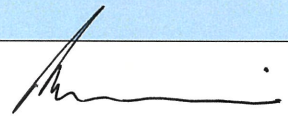


**-004**  
CROSS-SECTIONAL VIEW

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	GAM.F.006    MARCH 2021	RELATED DOC : GAMBVEO	CONTINUATION SHEET	DRAWING NO.: <b>ED059001</b>	<table border="1"> <tr> <td>A/C TYPE:</td> <td>N/A</td> </tr> <tr> <td>REV: 0</td> <td>SCALE: NTS</td> </tr> <tr> <td>SHEET 8 OF 9</td> <td>SIZE: A3</td> </tr> </table>	A/C TYPE:	N/A	REV: 0	SCALE: NTS	SHEET 8 OF 9
A/C TYPE:	N/A									
REV: 0	SCALE: NTS									
SHEET 8 OF 9	SIZE: A3									




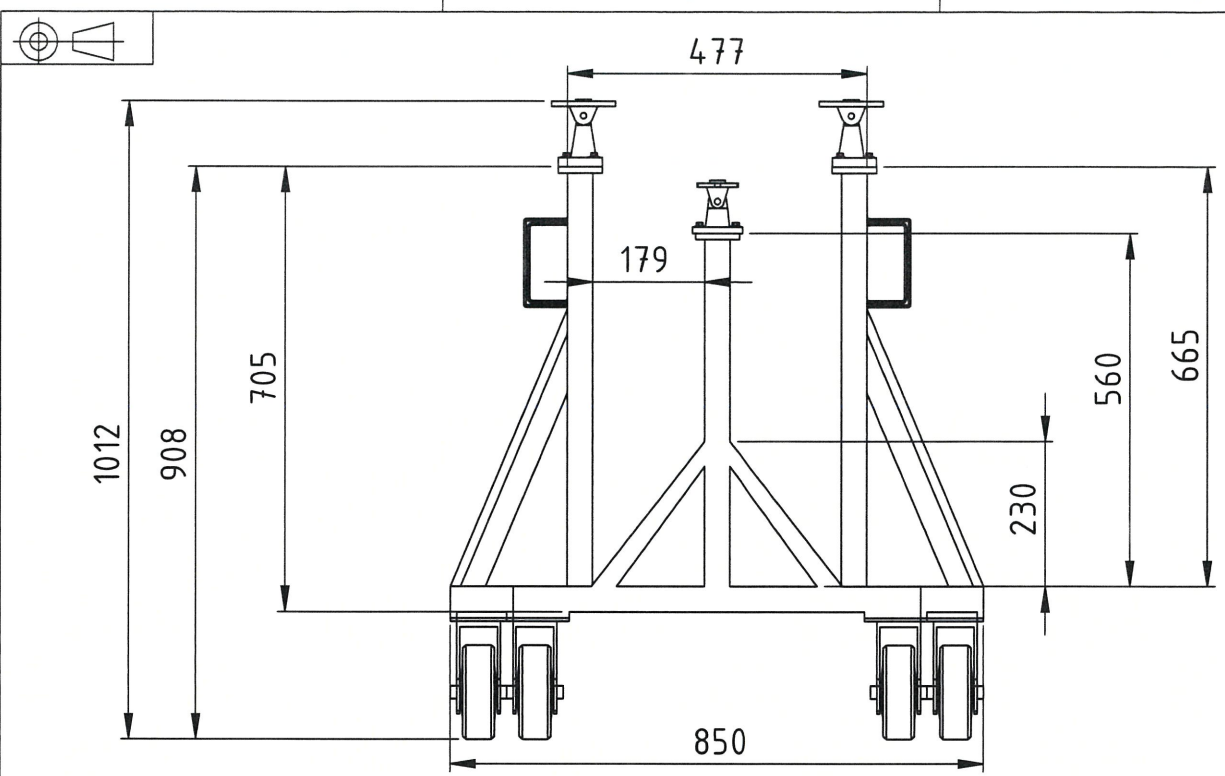
PART A			
Description of tool	TROLLEY ENGINE SUPPORT (TROLLEY ENGINE TRANSPORT)	Tool Part No. (OEM)	3G 7105 G 00132
Document reference	39-A-71-05-00-010-941A-A AW139 IETP	Aircraft type	AW139
Signature			
Name	NURUL AZHAN B SALLEHUDDIN		
Designation	SENIOR MAINTENANCE MANAGER		
Date	4/11/2023		

PART B			
Drawing No.	ED145001	Assigned Part No.	3G7105G00132GAM
Engineering Order No.	GAM 221 IEO		
Signature			
Name	MUHAMMAD SHAFIQ BIN ABDUL SHUKOR		
Designation	DESIGN ENGINEER		
Date	4/11/2023		
Verification			
Signature			
Name	MOHD RAIS BIN HAJI OTHMAN		
Designation	SIGNATURE ACCEPTANCE REPRESENTATIVE (SAR)		
Date	07/11/23		

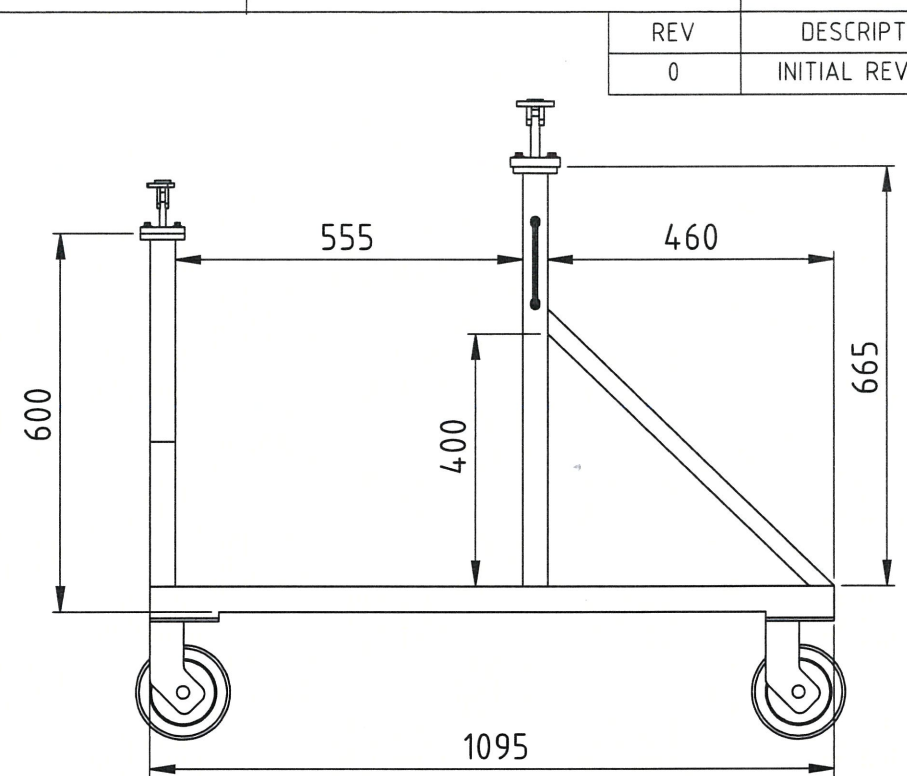


PART C			
Evaluation			
Section 1			
	Original/ OEM Tool	Equivalent Tool	Remarks
Part No. and Model	N/A	N/A	
Technical Specification:			
i.	N/A	N/A	
ii.	N/A	N/A	
iii.	N/A	N/A	
Section 2			
Condition of Tool:	Satisfactory	Unsatisfactory	Remarks
i. Technical Specification	/		
ii. Dimension	/		
iii. Physical 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	

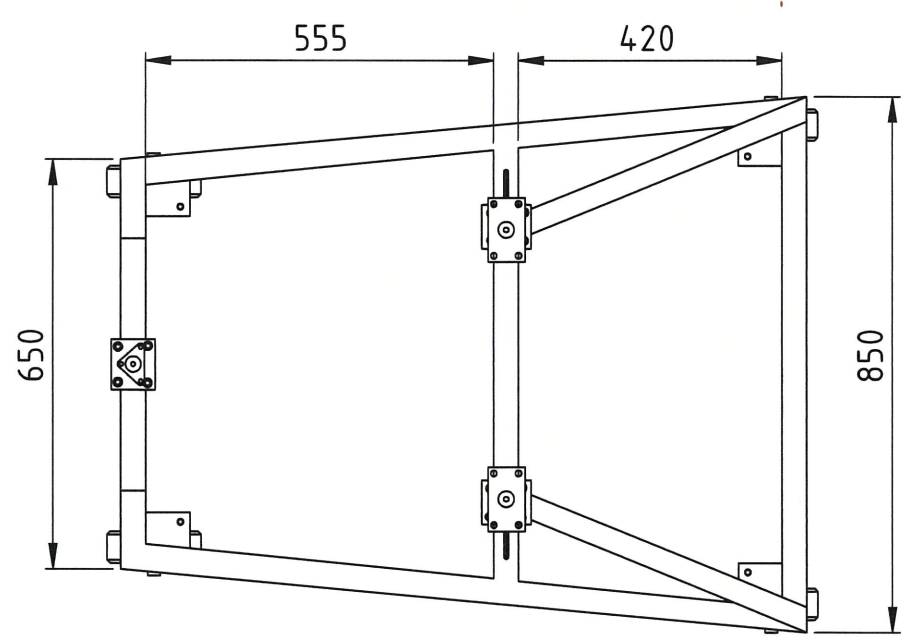
PART D	
Declaration	
I hereby verify that:	
<input checked="" type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and found to be equivalent to that specified in the Maintenance Data/ Drawing. <input type="checkbox"/> The Alternative Tool and Test Equipment has been assessed and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



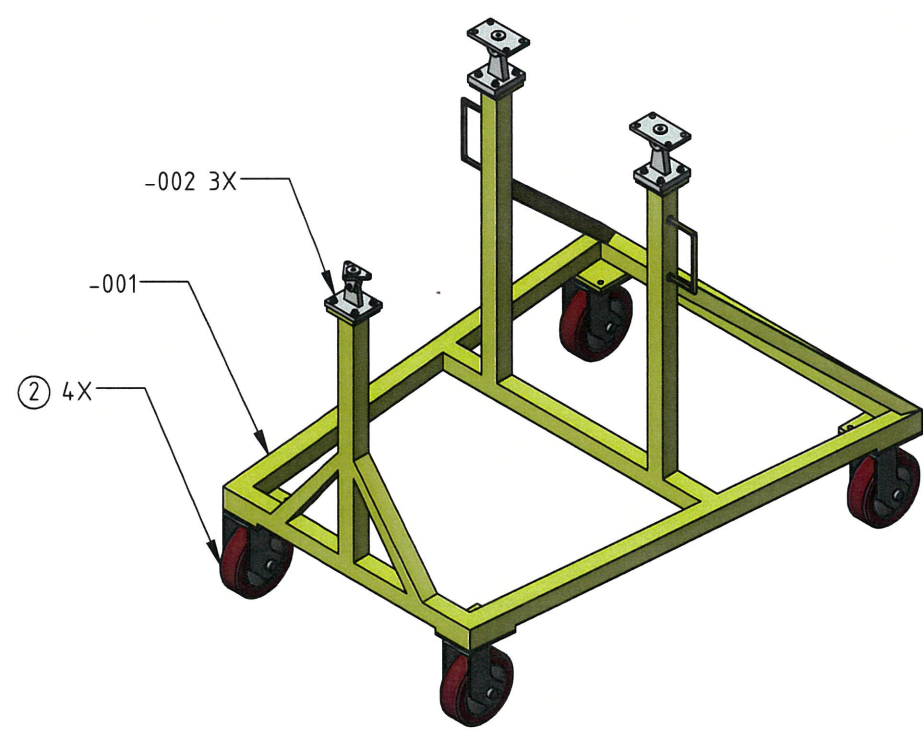
FRONT VIEW



SIDE VIEW



SIDE VIEW



ISO VIEW

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 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>APPROVED BY: Ir. NIZAM NAZAR</p>	<p>DRAWING NO.: ED145001</p>	<p>A/C TYPE: N/A</p>	<p>REV: 0</p>	<p>SCALE : NTS</p>	<p>SHEET 1 OF 1</p>