

**GENERAL NOTES**

**(UNLESS OTHERWISE SPECIFIED)**

1. 10 even spaces around hole. Orientation is not critical. Adjust orientation to avoid existing features.
2. 10 even spaces around hole. Orientation is critical.
3. Fabricate per AC 43.13.
4. Assembly shop practice per AC 43.13.
5. Odd dash numbers shown - next even dash number opposite.
6. Equally spaced attachment tolerance to be +/- 0.100".
7. Attachments located from part edge 2D+.060" for details, 2D minimum on assembly, 2D from joggles and adjacent structure.
8. Minimum attachment spacing to be 4D+.060" center to center.
9. Remove all burrs and sharp edges.
10. Identify per MIL-STD-130 using rubber stamp or and written with indelible ink. Small assemblies may be tagged.
11. Alodine all aluminum parts per Mil-C-5541.
12. Symbols + between end fastener symbols indicate identical fasteners equally spaced.
13. Install solid rivets per AC 43.13-1A. Install all other fasteners per manufacturer's instructions.
14. Torque per AC 43.13-1A or MIL-N-25027.
15. Install safety wire per AC 43.13-1A or MS33540.
16. Free flanges angular tolerance +/- 5 degrees (flanges not attached at next assy).
17. Restrained flanges angular tolerance +/- 1.5 degrees (flanges attached at next assy).
18. Faying surface seal all external skin mating joints and install fasteners wet using PR1431G, PR1422, or P/S 870C sealant.
19. Fillet or brush coat edges of mating parts using PR1422-B2, CS3204 class B, or P/S 890 class B sealant.
20. All bend relief's R .16.
21. Flange corner radii are to be R .25.
22. Pilot holes #40 drill for next assy fastener locations may be added or deleted by mfg.
23. All dimensions are prior to finish applications.

**INSTALLATION NOTES**

- A. The drawing main view, sections A-A & B-B shows the configuration of the aircraft for regular flight, without the camera installed.
- B. When the camera is installed, the -11 cover plates are removed and the -15 deflector angle is installed on the bottom of the fuselage in place of the -11 cover plate.
- C. Weight of camera and accessories may not exceed the allowable weight of the baggage compartment.
- D. The baggage retainer net must be installed when the camera and accessories are installed.

**This drawing has been prepared for a specific alteration to a specific aircraft or component based on information supplied to Aviation Engineering Consultants of USA, LLC (AECUSA-LLC) by the person responsible for arranging the alteration or his agent. The use of the data on any other aircraft or component may lead to an unsafe alteration and therefore the data is not to be used for any other purpose than for which it was originally supplied without the written approval of AECUSA-LLC.**

40		AN526C1032	SCREW			9
40		MS21059L03	NUT PLATE			8
1		-15	DEFLECTOR ANGLE	0.040 2024-T3 QQ-A-250/5		7
2		-13	PLACARD			6
2		-11	COVER PALTE	0.040 2024-T3 QQ-A-250/5		5
40		-09	SHROUD	0.040 2024-T3 QQ-A-250/5		4
1		-07	SKIN DOUBLER	0.040 2024-T3 QQ-A-250/5		3
20		-03	ANGLE ASSY	1x1x0.063 2024-T3 QQ-A-200/3		2
-		-01	CAMERA PORT INSTALLATION			1
-1	NOTE	PART NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	STOCK SIZE	ITEM NO.

PARTS LIST

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
.X= ±.1, .XX= ±.03  
.XXX= ±.015  
ANGLES ±0°-30'

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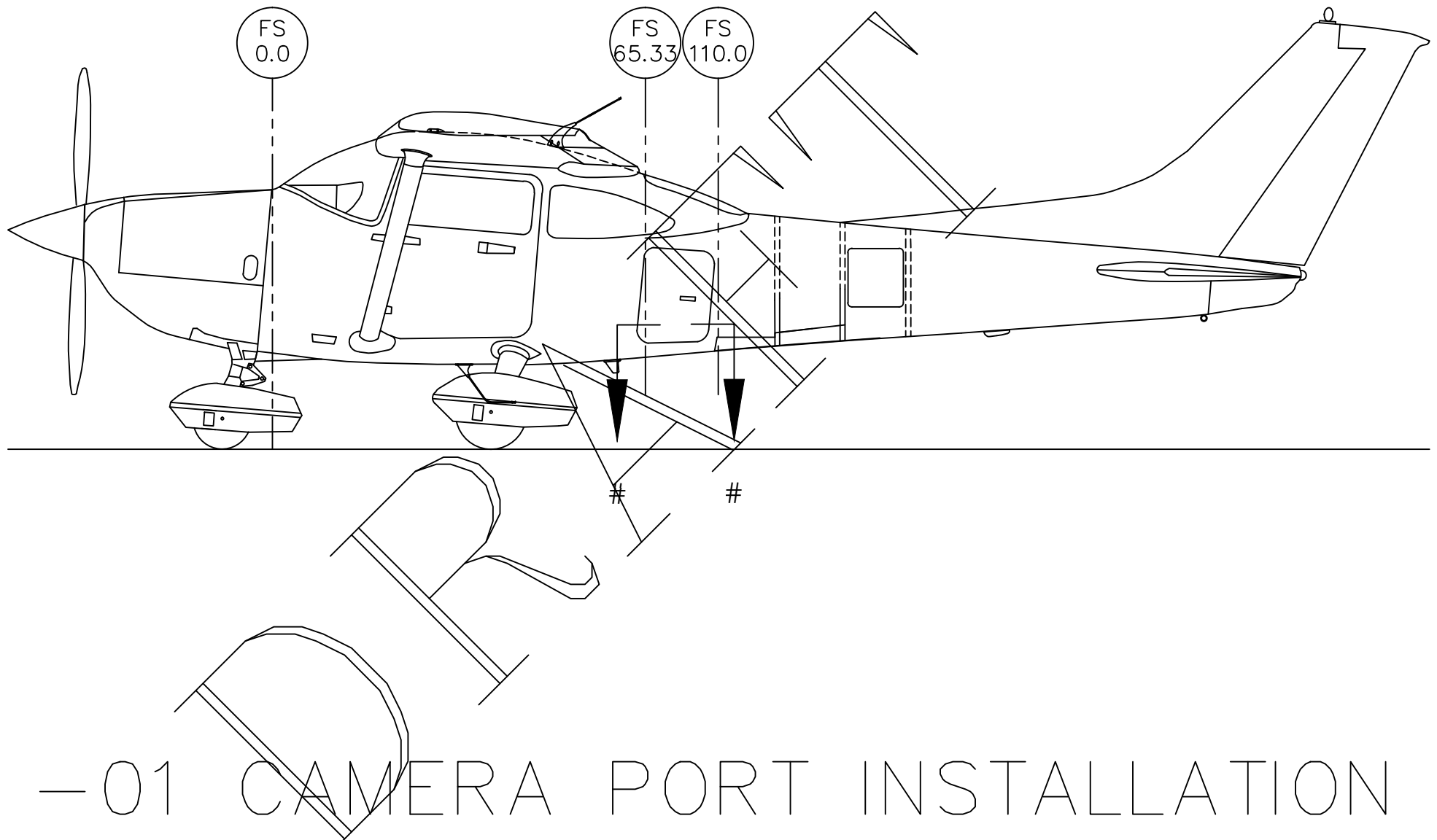
TITLE: CAMERA PORT INSTALLATION - C172 - XXX

APPRVD *F. BROWN* 2011-0x

Dwg No.: 00-1500-04-01-xxx

Rev. -

Sheet 1 of 9



# - 01 CAMERA PORT INSTALLATION

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .XX = ±.03  
 .XXX = ±.015  
 ANGLES ±0°-30'

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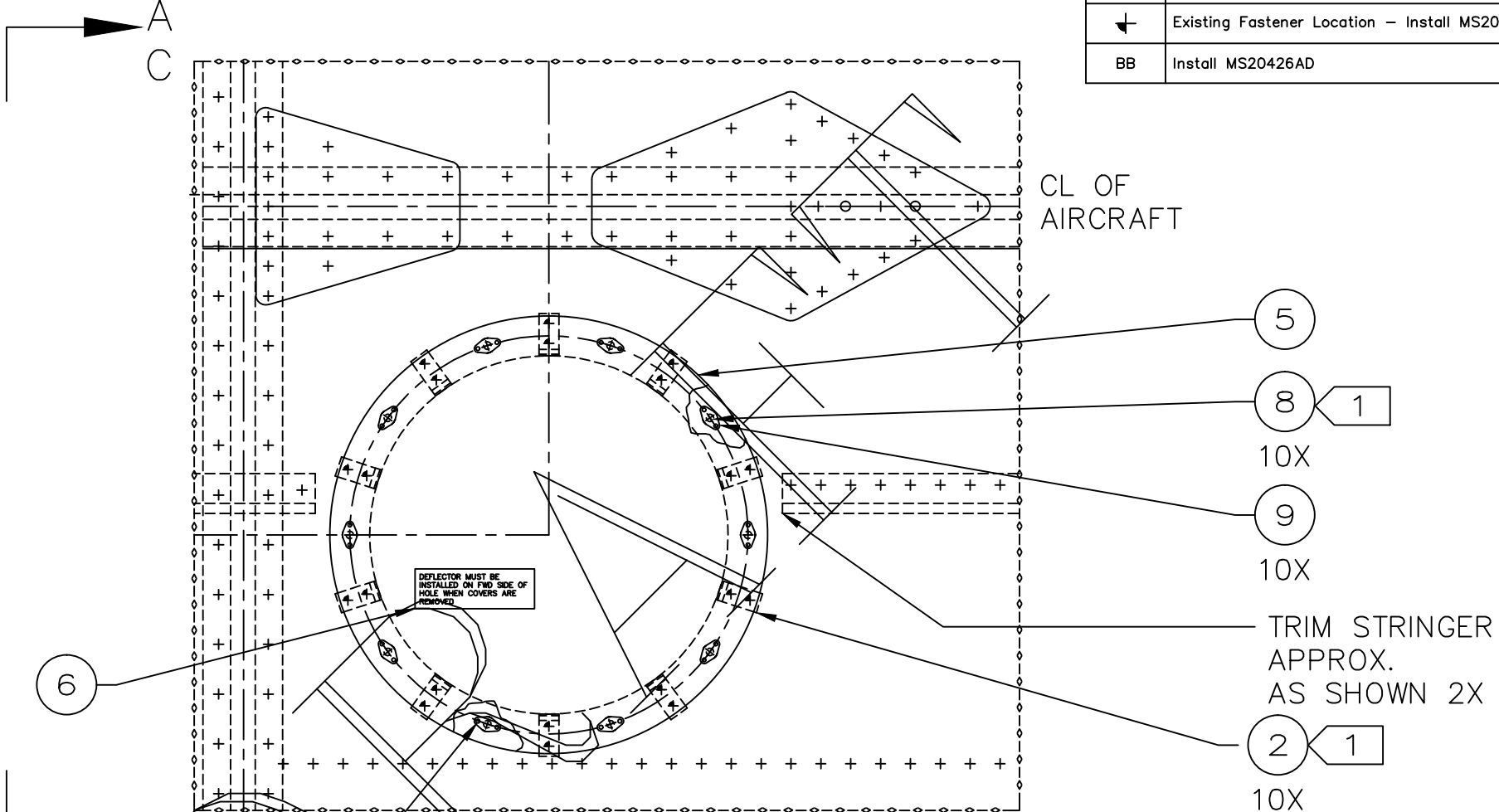
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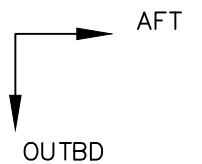
FS 65.33

SYM	FASTENER
+	Existing Fastener Location - Not Used
⊕	Added Fastener Location - Install MS20470AD5
⊖	NOT USED
⊕	Existing Fastener Location - Install MS20470AD5
BB	Install MS20426AD



VIEW LKG DOWN AT FLOOR

Section # - #

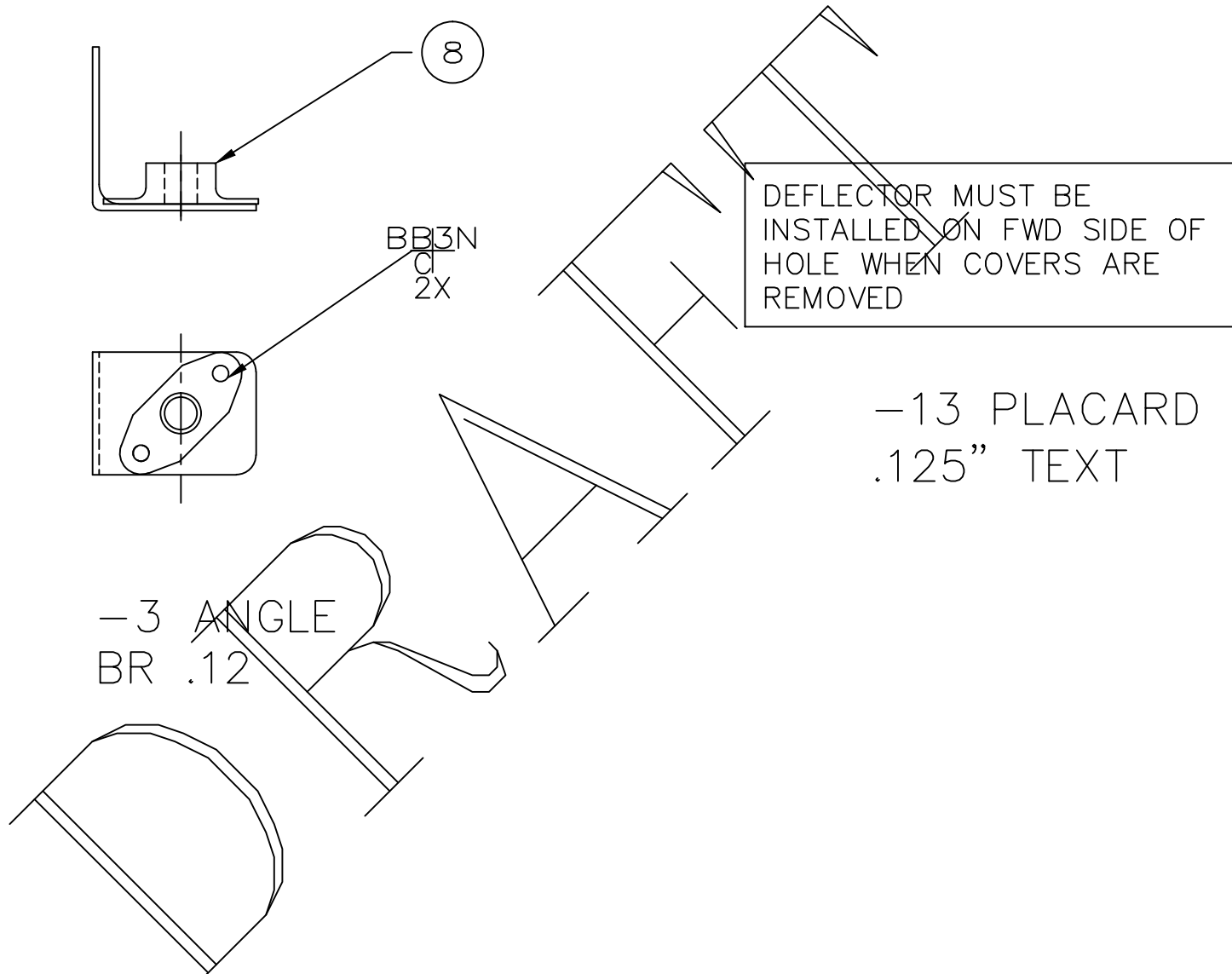


DIMENSIONS ARE IN INCHES  
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DIMENSIONS ARE IN INCHES  
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 .XX = ±.03  
 .XXX = ±.015  
 ANGLES ±0°-30'

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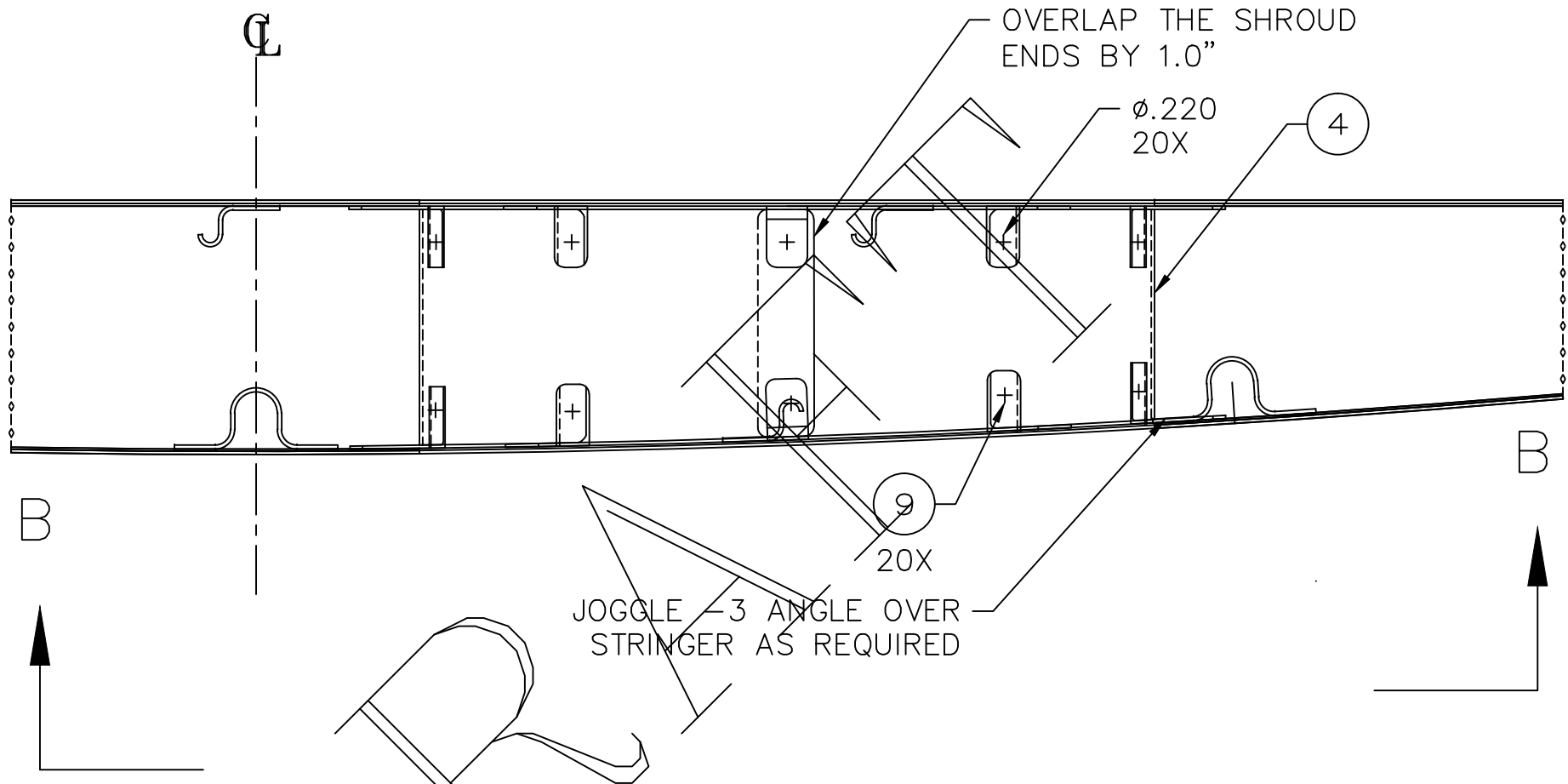


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JOGGLE -3 ANGLE OVER STRINGER AS REQUIRED

SECTION A-A  
VIEW LKG AFT ROTATED 90°

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
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.XXX = ±.015  
ANGLES ±0°-30'

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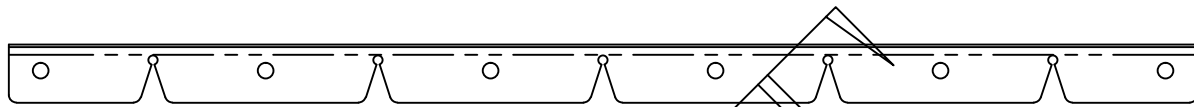
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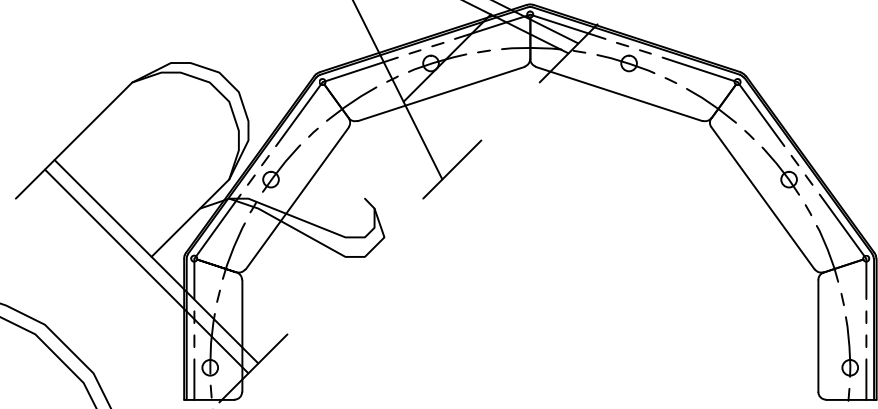
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-15 DEFLECTOR ANGLE  
BEFORE BENDING



-15 DEFLECTOR ANGLE  
AFTER BENDING  
B.R. .12

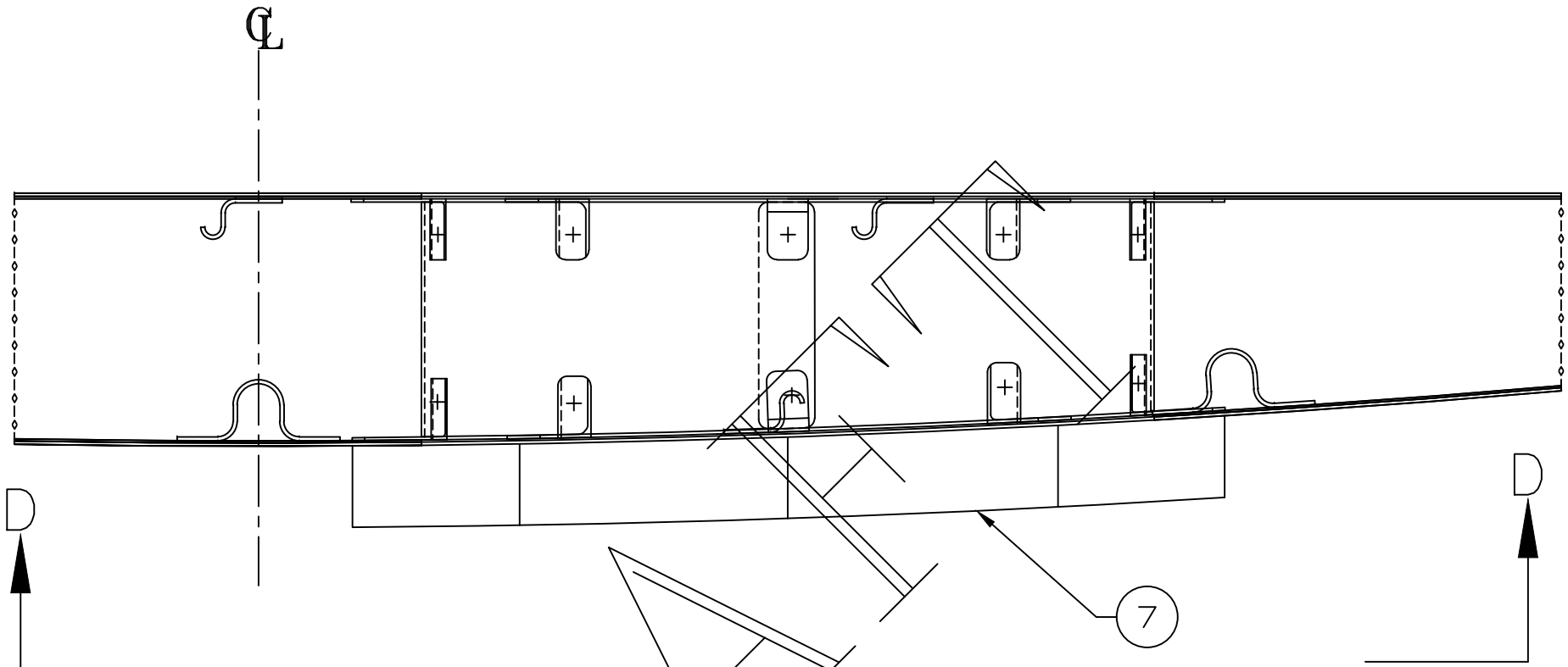
DIMENSIONS ARE IN INCHES  
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ANGLES ±0°-30'

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SECTION C-C  
 VIEW LKG AFT  
 SHOWING DEFLECTOR ANGLE INSTALLED  
 ROTATED 90°

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .XX = ±.03  
 .XXX = ±.015  
 ANGLES ±0°-30'

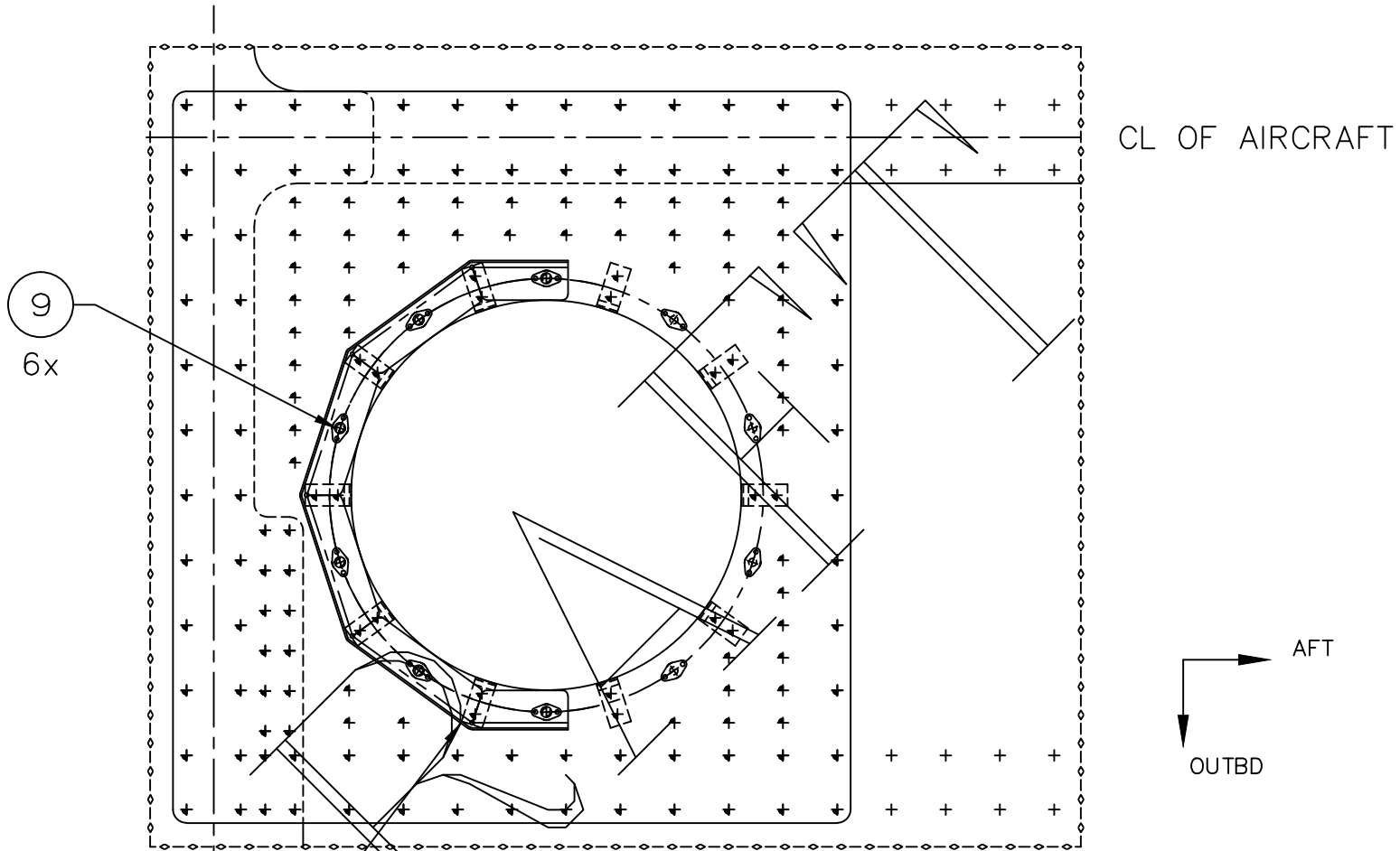
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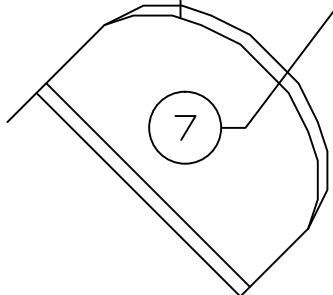
FS 65.33



CL OF AIRCRAFT

9  
6x

AFT  
OUTBD



7

SECTION D-D  
VIEW LKG UP AT BOTTOM OF FUSELAGE  
SHOWS -15 DEFLECTOR ANGLE INSTALLED  
ROTATED 90°

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