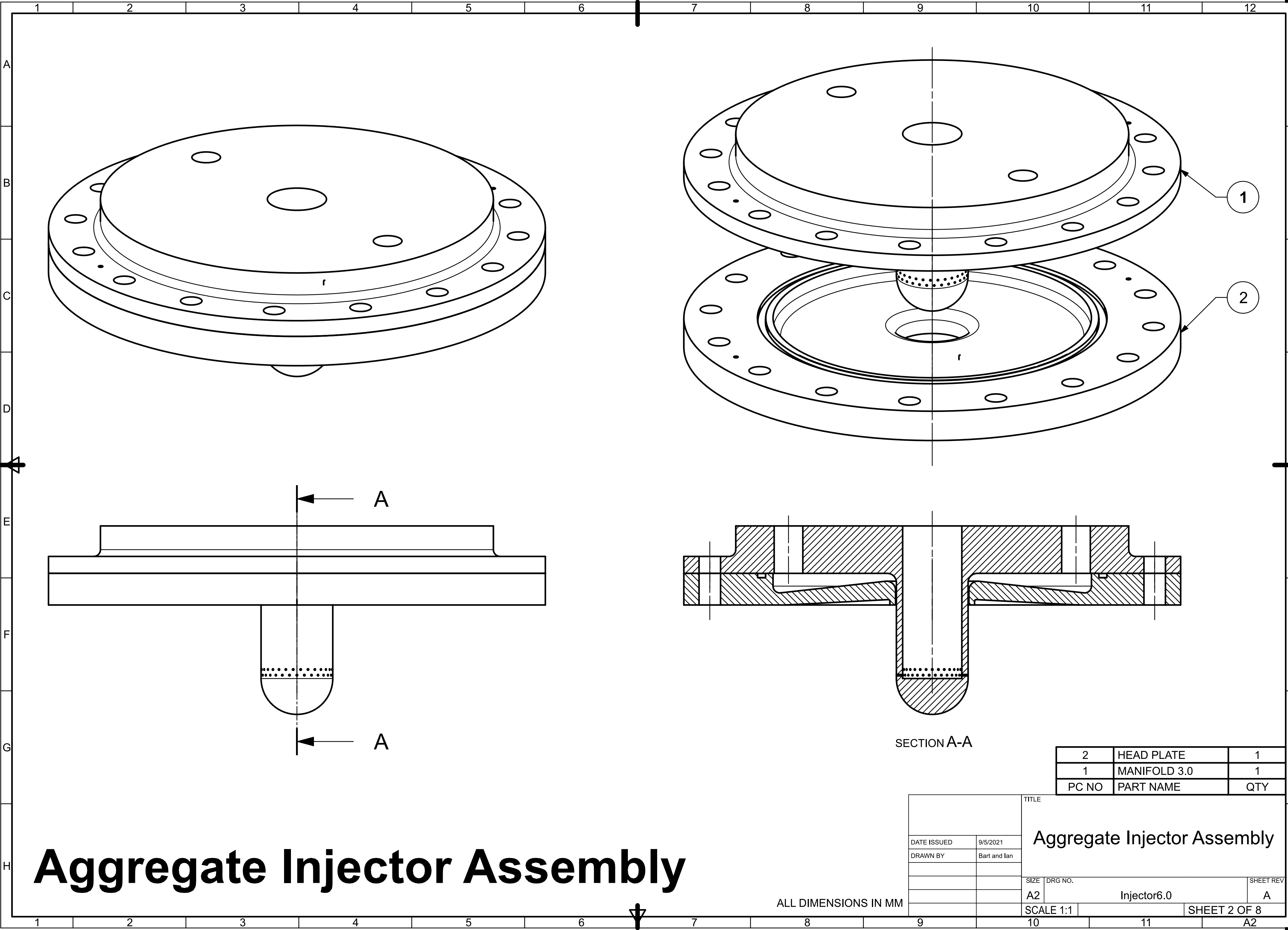


ALL DIMENSIONS IN MM

		TITLE		
DATE ISSUED	9/5/2021			
DRAWN BY	Bart and Ian			
		SIZE	DRG NO.	SHEET REV
		A2	Injector6.0	A
		SCALE 1:1	SHEET 3 OF 8	

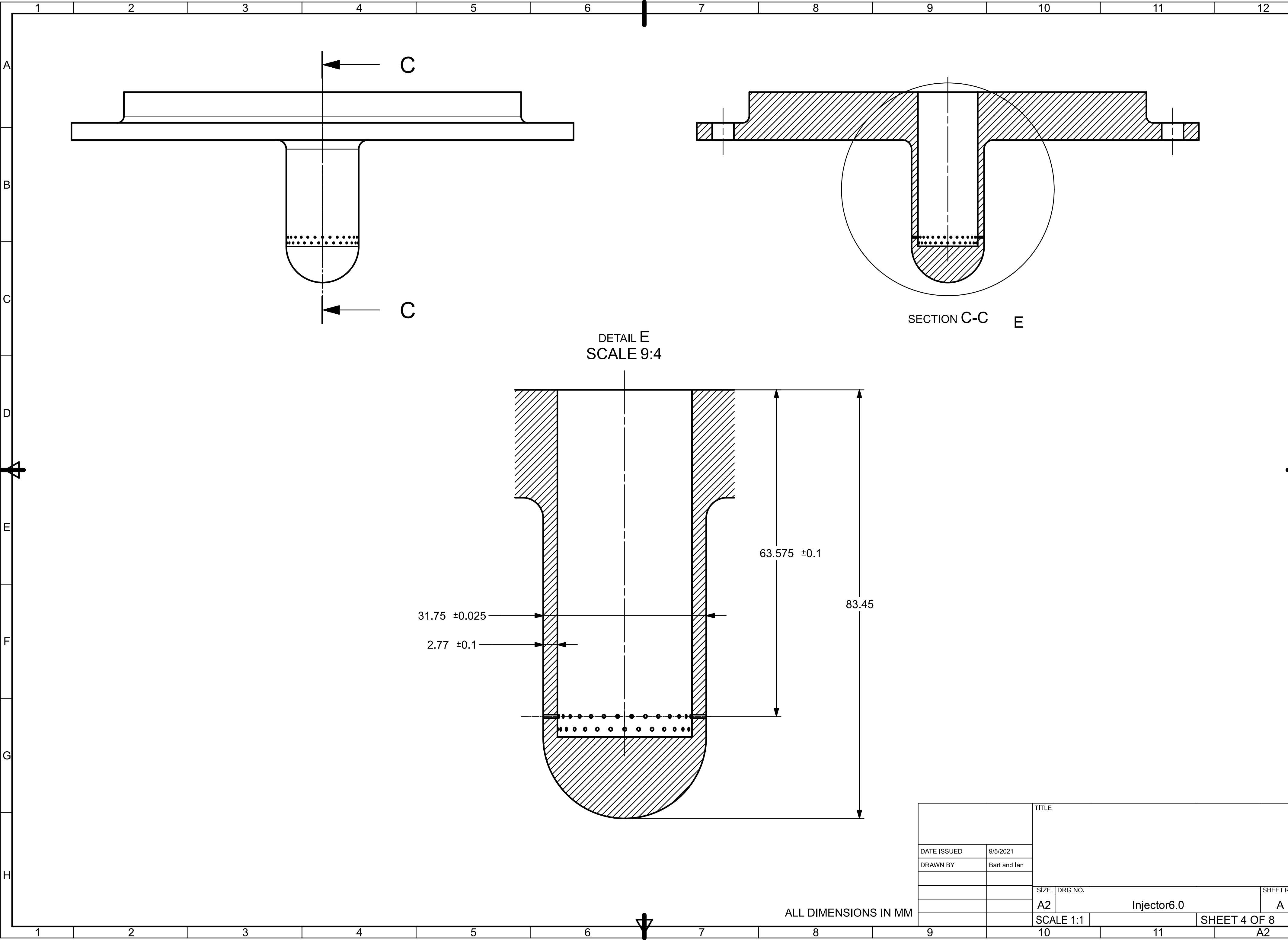


Aggregate Injector Assembly

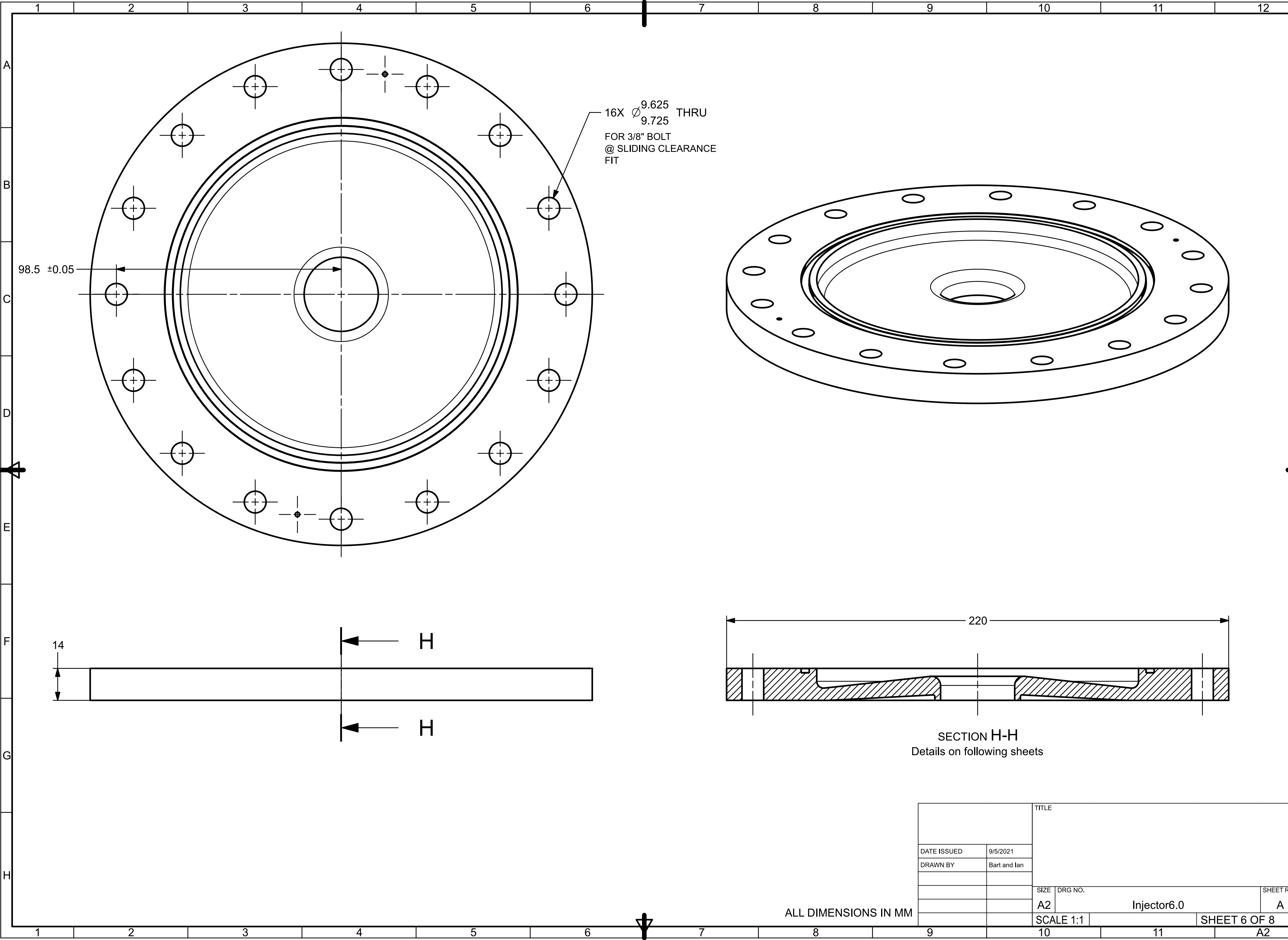
ALL DIMENSIONS IN MM

2	HEAD PLATE	1
1	MANIFOLD 3.0	1
PC NO	PART NAME	QTY

DATE ISSUED		9/5/2021
DRAWN BY		Bart and Ian
TITLE		Aggregate Injector Assembly
SIZE	DRG NO.	SHEET REV
A2	Injector6.0	A
SCALE 1:1		SHEET 2 OF 8



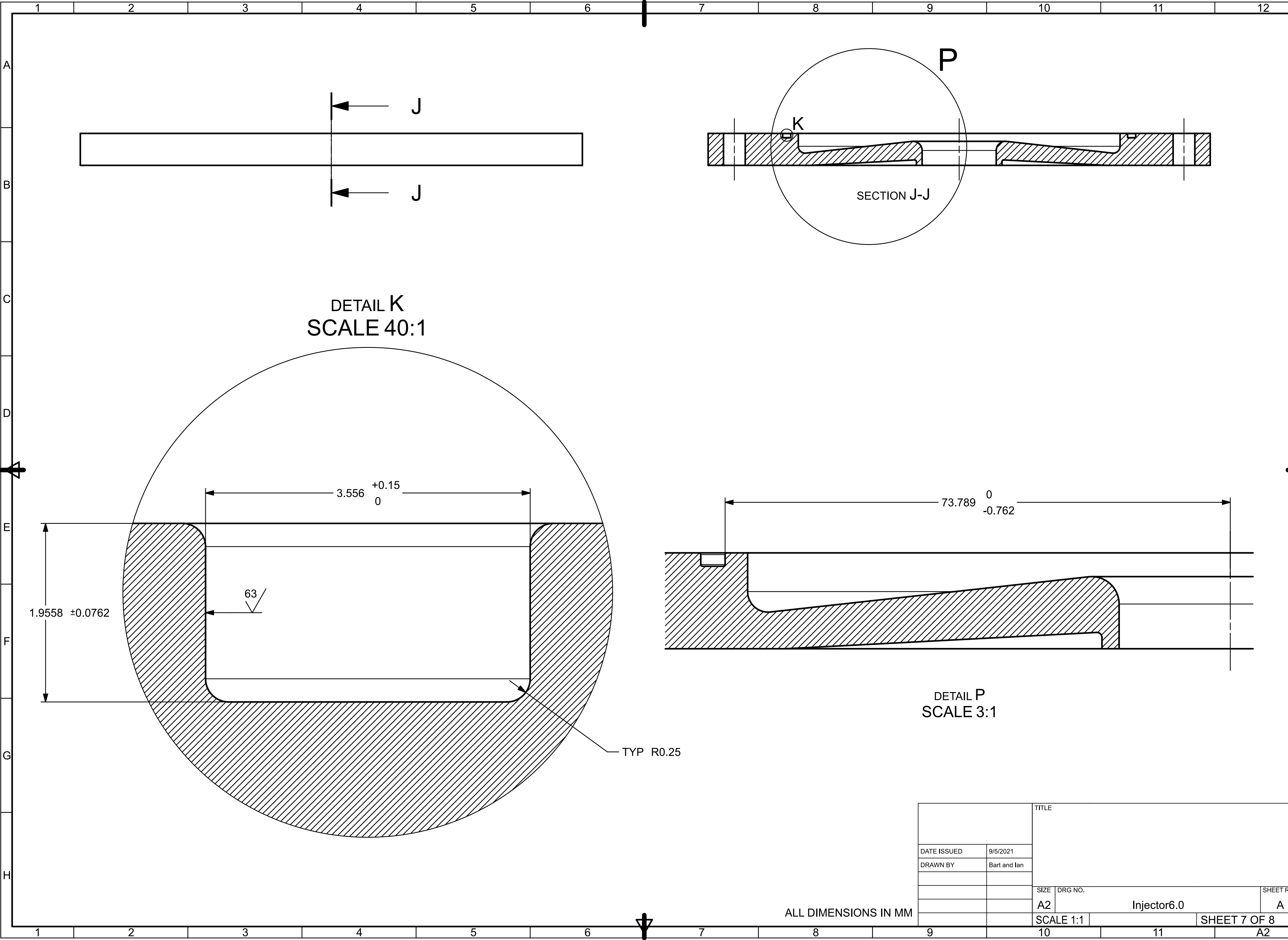
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DATE ISSUED	9/5/2021			
DRAWN BY	Bart and Ian			
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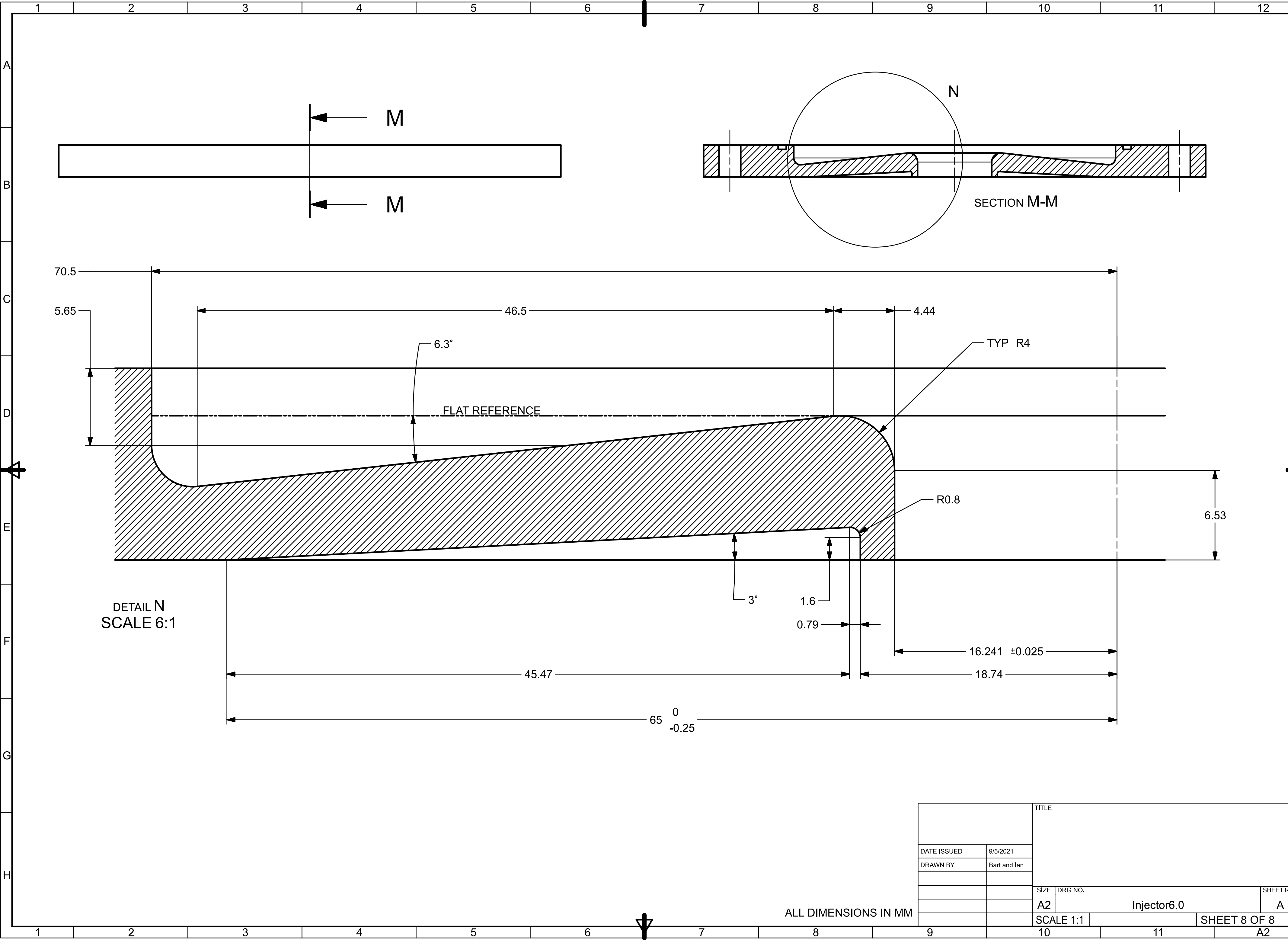


ALL DIMENSIONS IN MM

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DATE ISSUED	9/5/2021			
DRAWN BY	Bart and Ian			
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A2



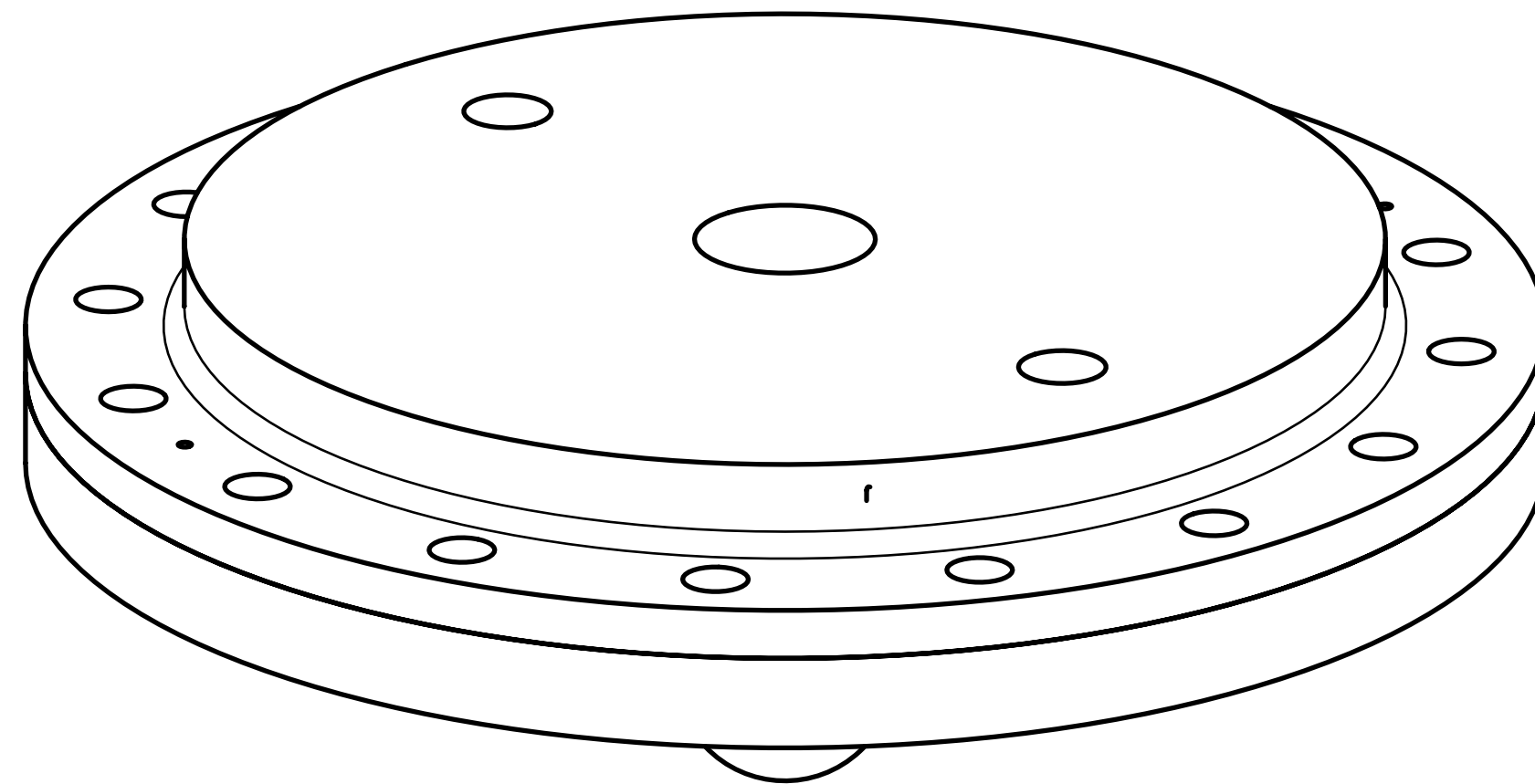


		TITLE		
DATE ISSUED	9/5/2021			
DRAWN BY	Bart and Ian			
		SIZE	DRG NO.	SHEET REV
		A2	Injector6.0	A
		SCALE 1:1	SHEET 8 OF 8	

AIAA Liquid Rocket Engine Initiative

Injector Phase Design

QUOTATION VERSION - INJECTOR 6.0



SHEETS:

- 1) Cover
- 2) Aggregate Injector Assembly
- 3) Manifold
- 4) Manifold - Detail I
- 5) Headplate
- 6) Headplate - Detail I
- 7) Headplate - Detail II
- 8) Headplate - Detail III

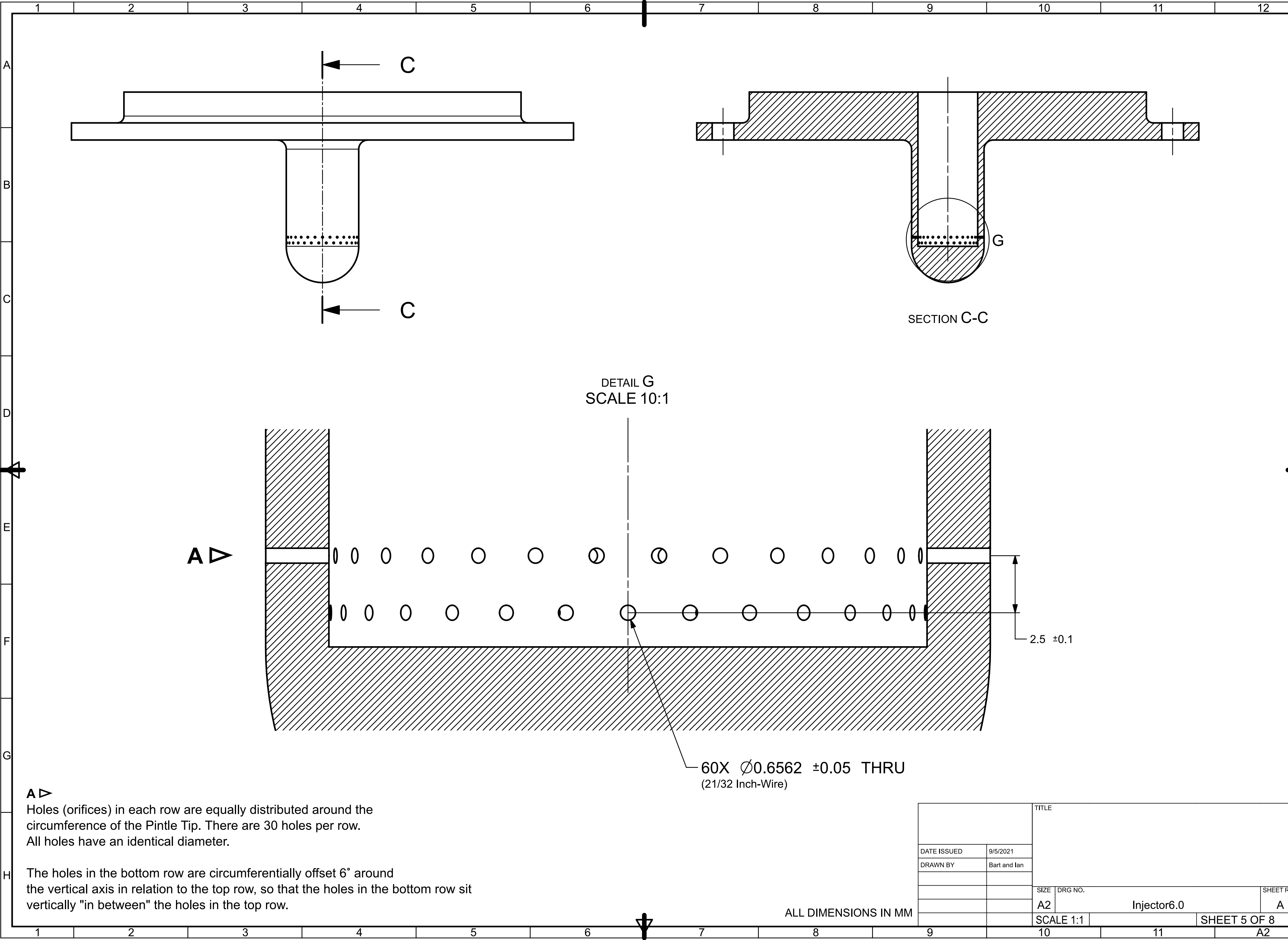
Designed by:

Bartosz Wielgos

Ian Brown

As of:

9/4/2021



A ▷
Holes (orifices) in each row are equally distributed around the circumference of the Pintle Tip. There are 30 holes per row. All holes have an identical diameter.

The holes in the bottom row are circumferentially offset 6° around the vertical axis in relation to the top row, so that the holes in the bottom row sit vertically "in between" the holes in the top row.

		TITLE		
DATE ISSUED	9/5/2021			
DRAWN BY	Bart and Ian			
		SIZE	DRG NO.	SHEET REV
		A2	Injector6.0	A
		SCALE 1:1	SHEET 5 OF 8	

ALL DIMENSIONS IN MM