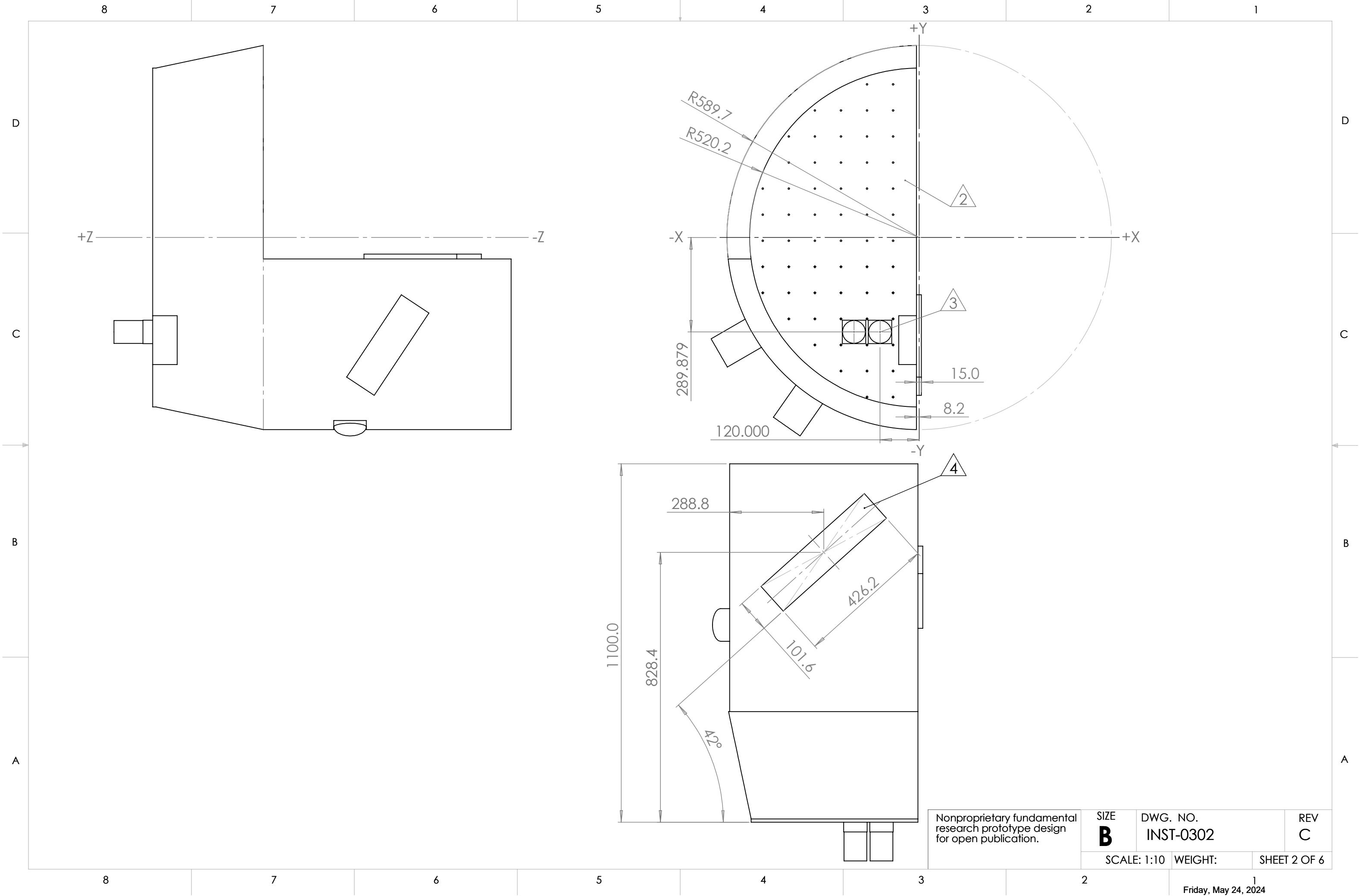


1. SOLID BODY REPRESENTS GEOMETRIC ENVELOPE AVAILABLE FOR INSTRUMENT PACKAGE. DIMENSIONS TO ENVELOPE EXTREMITIES REPRESENT MAXIMUM ALLOWABLE EXTENTS OF INSTRUMENT PACKAGE.
2. MOUNTING GRID PATTERN OF 80 X 80 ON FWD (+Z) SURFACE OF INSTRUMENT PACKAGE WITH UNF 1/4-28 THREADED HOLES PROVIDED BY HIGHER ASSEMBLY ON MATING SURFACE. ADDITIONAL OR SPECIALIZED MOUNTING CAN BE PROVIDED FOR.
3. NOMINAL MASK CENTER. ALTERNATE LOCATION SHOWN IF PREFERRED.
4. ADDITIONAL MOUNTING POINTS MAY TAKE ADVANTAGE OF GREATER SUPPORT STRUCTURE.
5. THERMAL AND ELECTRICAL FEEDTHROUGH PORTS.
6. STRONG PREFERENCE TO CONFINE GEOMETRY TO THIS QUADRANT.
7. OPTIONAL ADDITIONAL FEEDTHROUGHS FOR THERMAL AND/OR ELECTRICAL CONNECTIONS. HARNESS/STRAPPING ATTACHES TO ϕ 1220 CYLINDER.

		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES:		DATE	NAME	<div><div><div><div></div><div>THE UNIVERSITY OF ARIZONA COLLEGE OF SCIENCE</div><div>Astronomy & Steward Observatory</div></div><div>UNIVERSITY OF ARIZONA STEWART OBSERVATORY TUCSON, AZ 85721 Ph: (520) 621-2288</div></div></div>		
		ONE PLACE DECIMAL ± 0.1 TWO PLACE DECIMAL ± 0.050 THREE PLACE DECIMAL ± 0.010	DRAWN	05/24/2024	S. MEYER			
			ENG APPR.	04/24/2024	S. MEYER			
		ANGULAR: ±1°	CHECKED	04/24/2024	S. MEYER			
		SURFACE FINISH 125✓ UNLESS NOTED						
		INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994				TITLE: ICD, IR SPECTROGRAPH		
		REMOVE ALL BURRS AND SHARP EDGES .005-.015	Nonproprietary fundamental research prototype design for open publication.					
PART NUMBER	NEXT HIGHER ASSY	MATERIAL:				SIZE B	DWG. NO. INST-0302	REV C
						SCALE: 1:10	WEIGHT: 100KG MAX	SHEET 1 OF 6



Nonproprietary fundamental
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SIZE
B

DWG. NO.
INST-0302

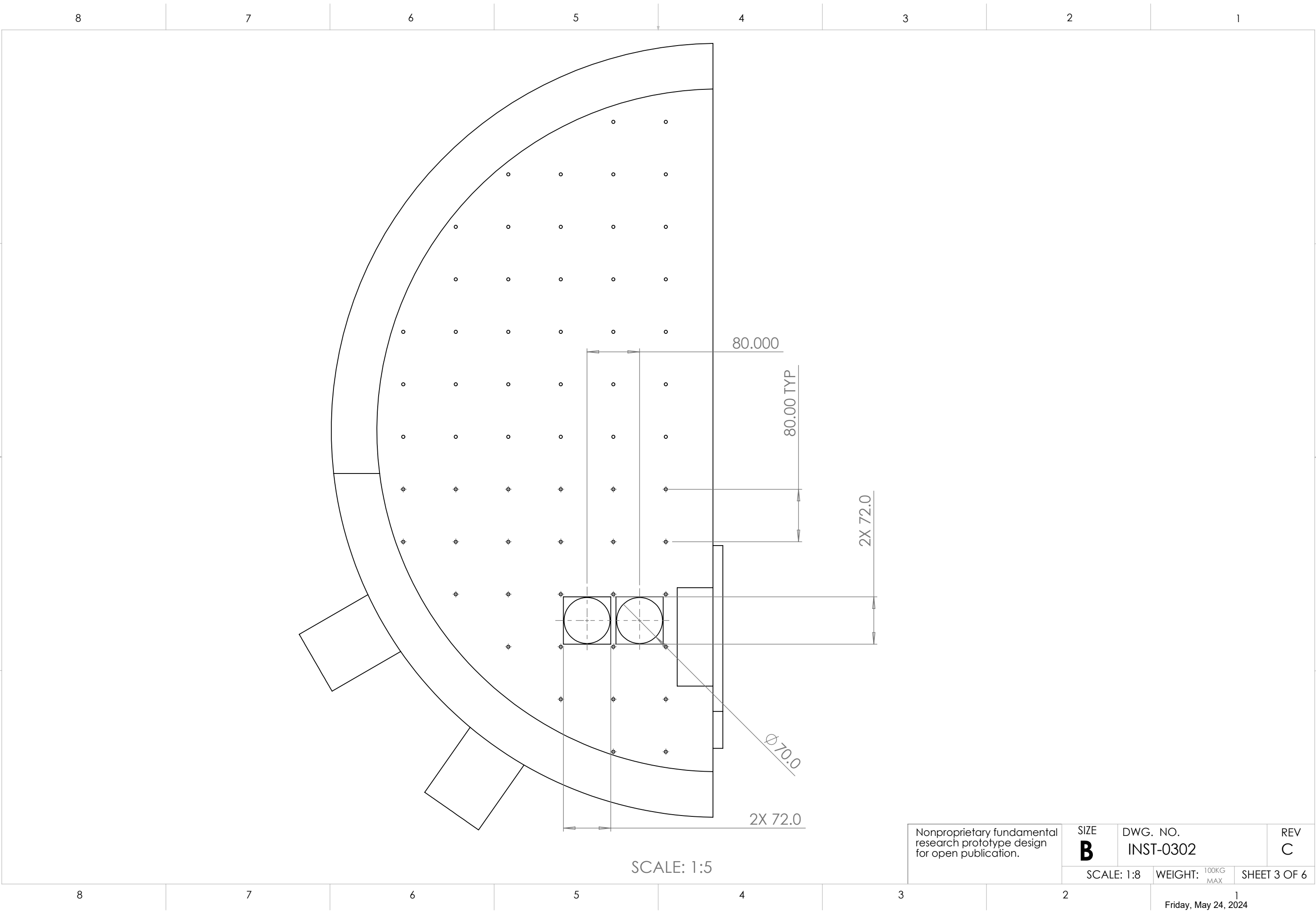
REV
C

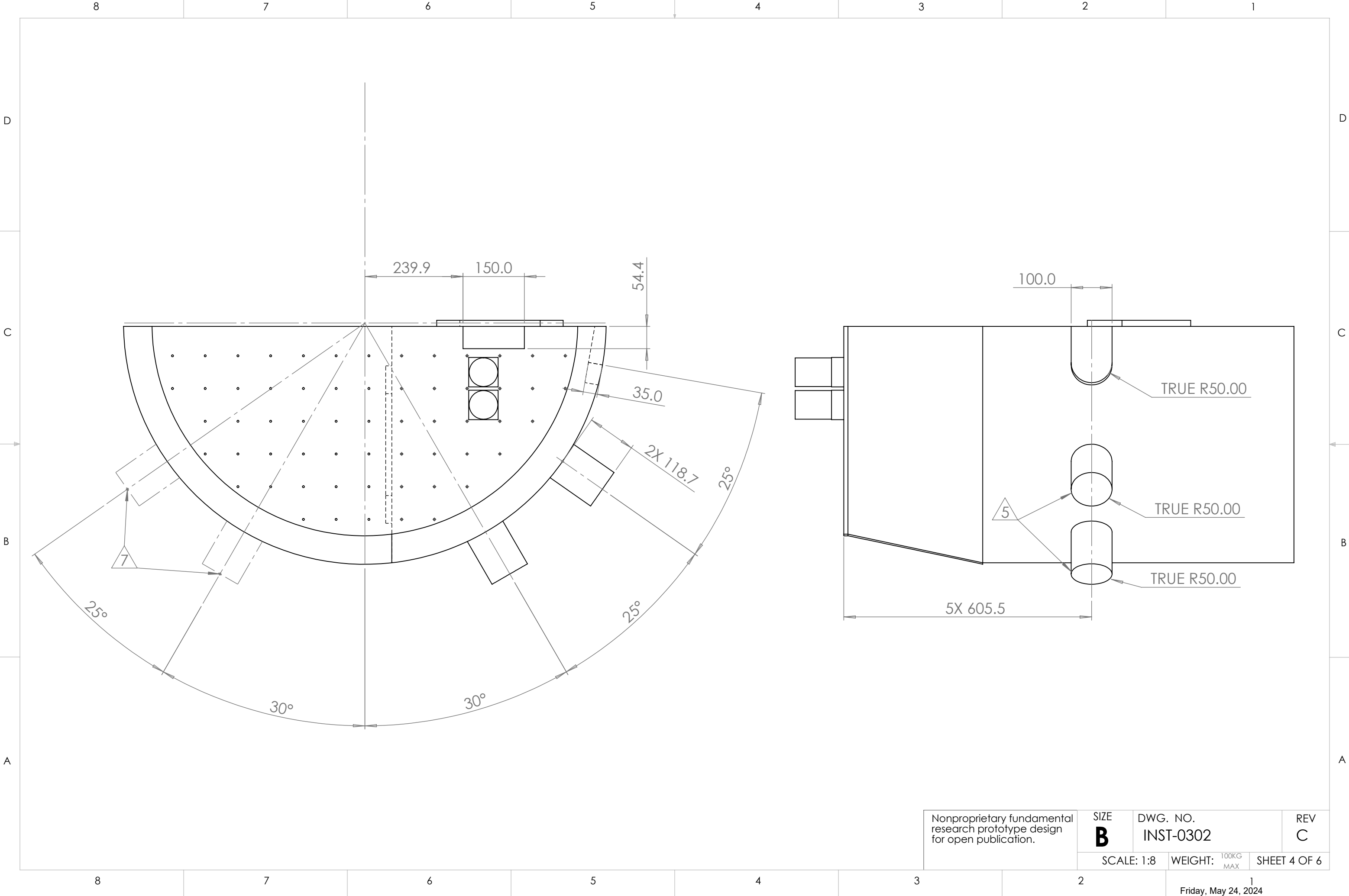
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WEIGHT:

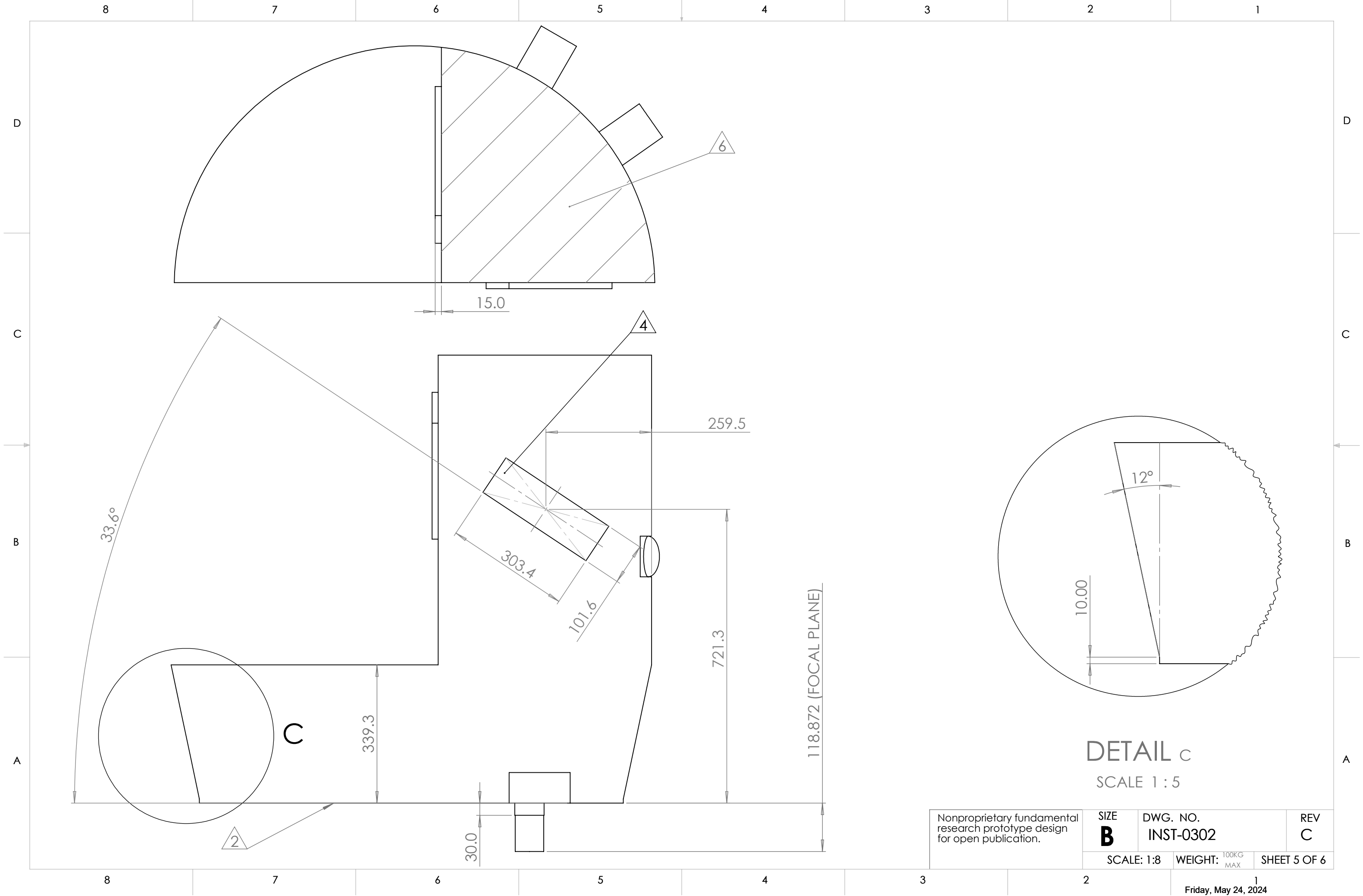
SHEET 2 OF 6

Friday, May 24, 2024



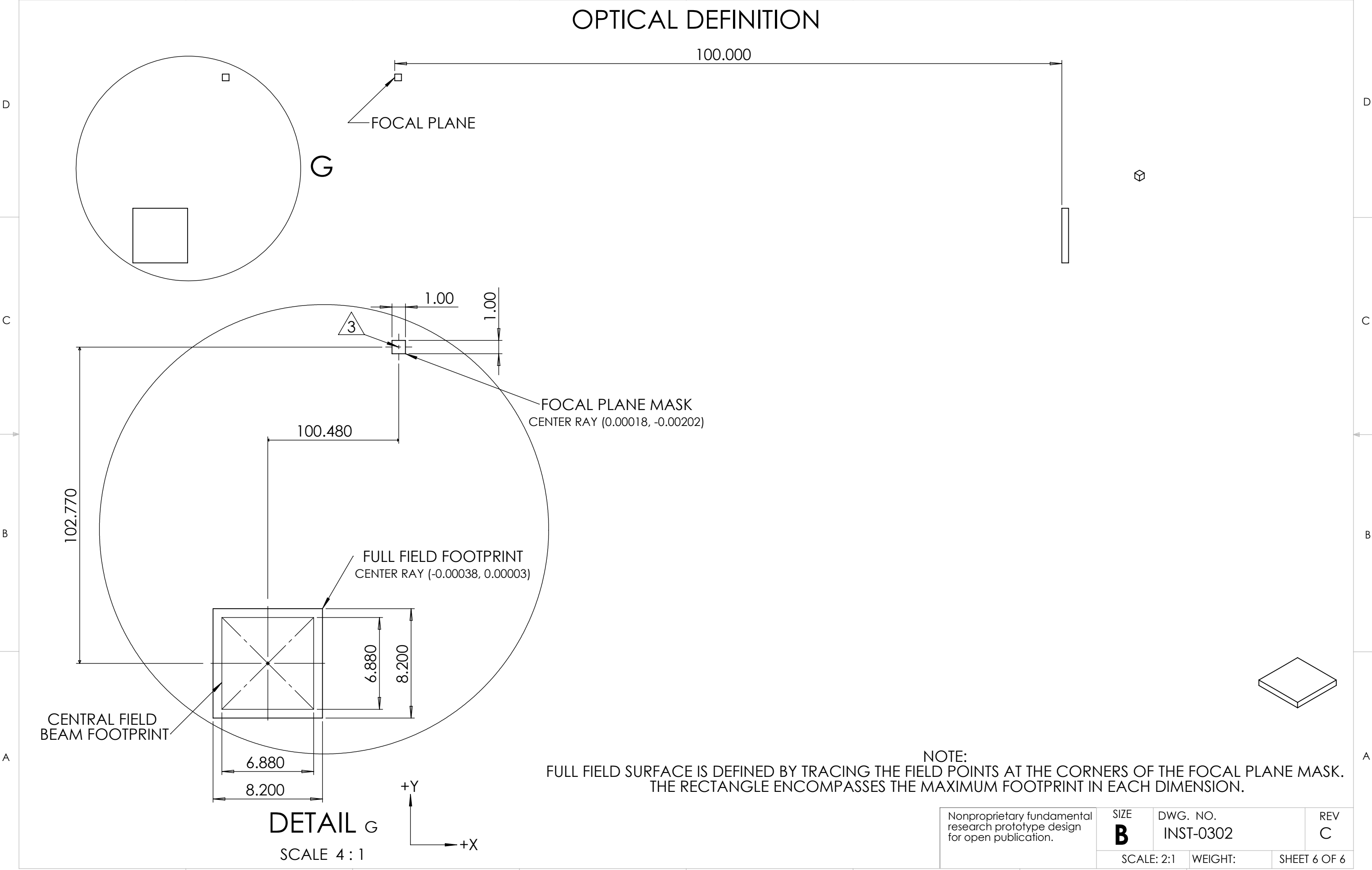


Nonproprietary fundamental research prototype design for open publication.	SIZE	DWG. NO.	REV
	B	INST-0302	C
	SCALE: 1:8	WEIGHT: 100KG MAX	SHEET 4 OF 6
Friday, May 24, 2024			



Nonproprietary fundamental research prototype design for open publication.	SIZE	DWG. NO.	REV
	B	INST-0302	C
	SCALE: 1:8	WEIGHT: 100KG MAX	SHEET 5 OF 6
Friday, May 24, 2024			

OPTICAL DEFINITION



DETAIL G
SCALE 4 : 1

NOTE:
FULL FIELD SURFACE IS DEFINED BY TRACING THE FIELD POINTS AT THE CORNERS OF THE FOCAL PLANE MASK.
THE RECTANGLE ENCOMPASSES THE MAXIMUM FOOTPRINT IN EACH DIMENSION.

Nonproprietary fundamental research prototype design for open publication.	SIZE B	DWG. NO. INST-0302		REV C
	SCALE: 2:1	WEIGHT:	SHEET 6 OF 6	