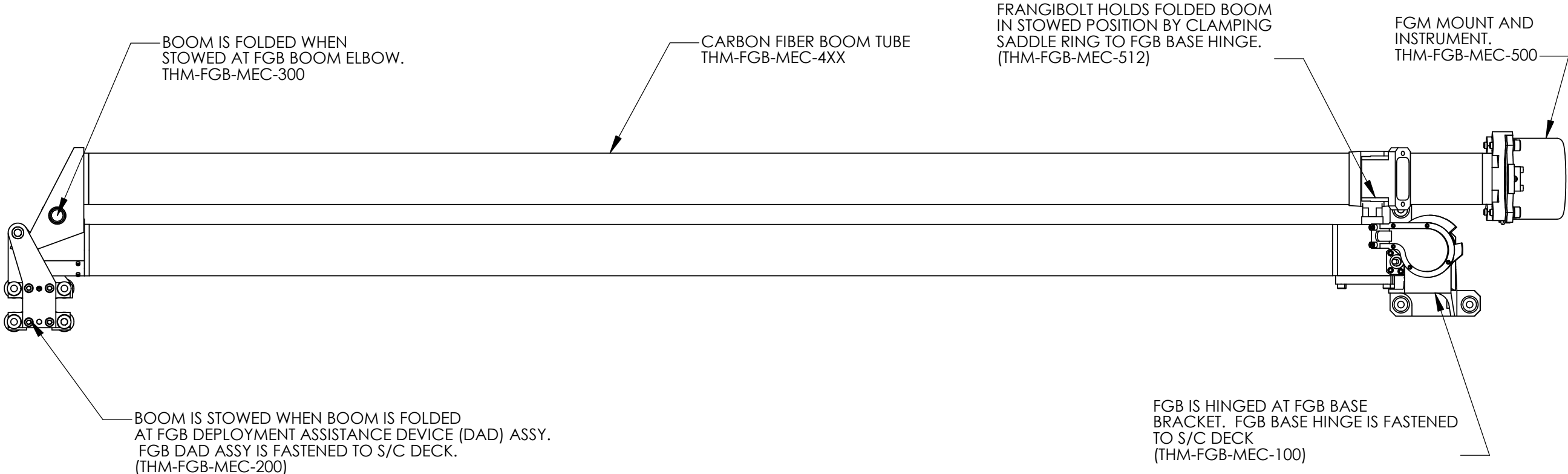


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
AA	Baseline release. Based on Rev N.		
AB	Rev S	8-9-04	
AC	Rev T	10-24-04	

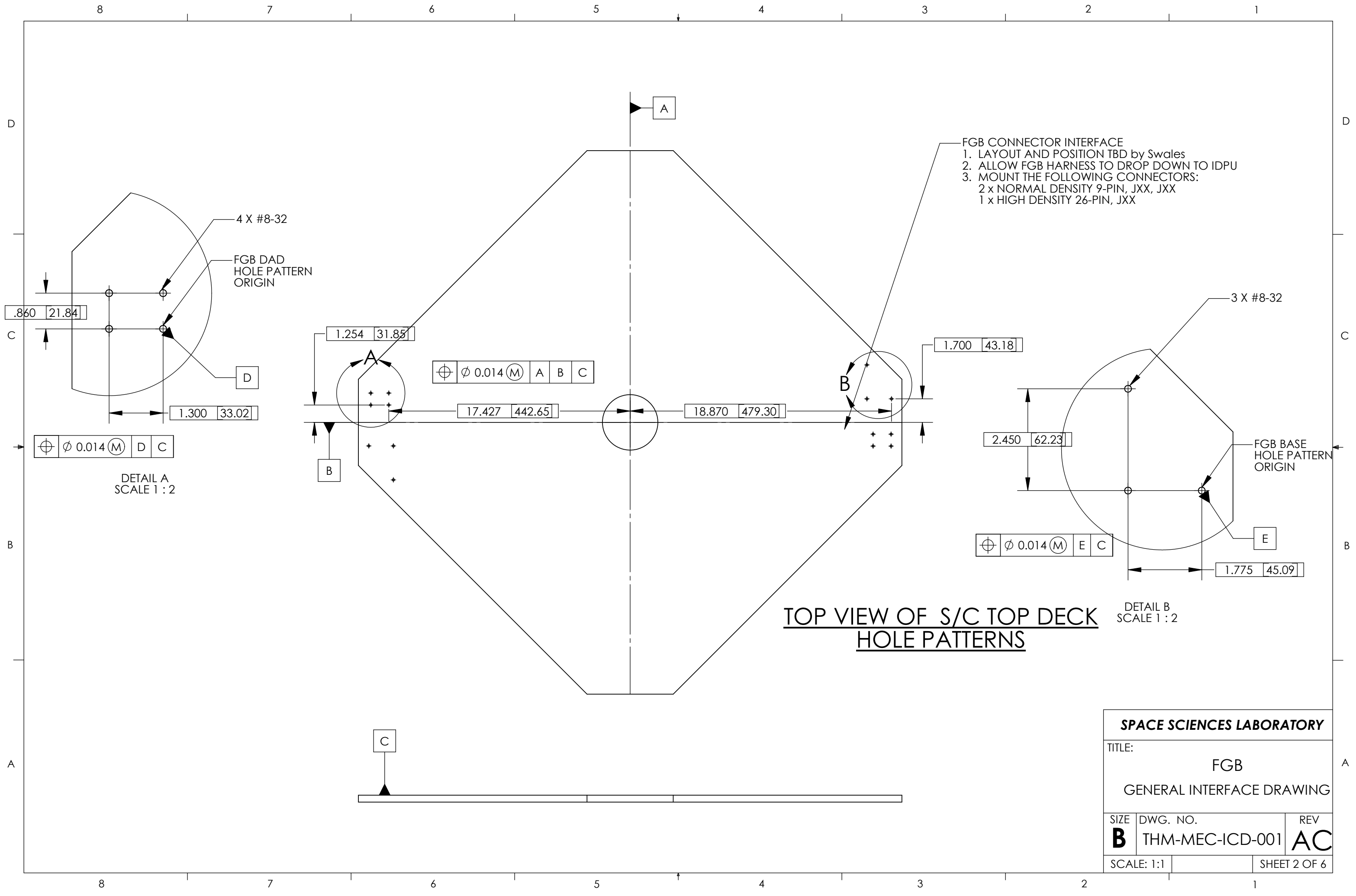
GENERAL NOTES: UNLESS OTHERWISE SPECIFIED

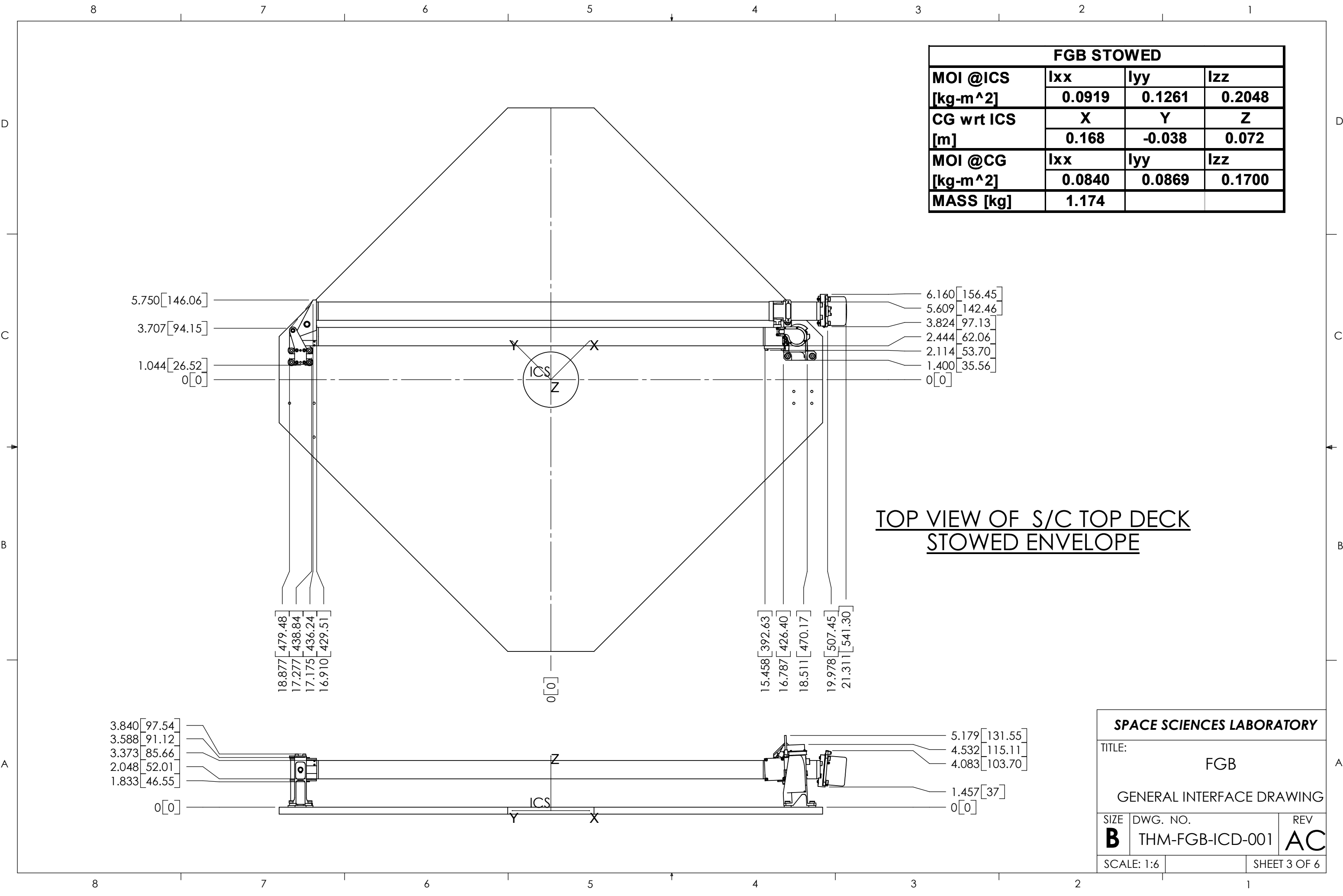
- SWALES TO PROVIDE ALL MOUNTING FASTENERS.
- THERMAL BLANKETS AND EXTERNAL COATINGS TBD. MAGBOOM ASSY INCLUDES 0.125" THICK ULTEM SPACERS BETWEEN BRACKETS AND DECK.
- DWG UNITS DUAL DIMENSIONED AS: INCHES [mm].
- MAGBOOM ASSY ASSIGNED UCB PART NUMBER THM-MB-MEC-000.
- GROUNDING DEFINITION TBD.
- SEE INTERFACE CONTROL DOCUMENT THM-SYS-112 FOR ADDITIONAL INTERFACE REQUIREMENTS.
- RED TAG/GREEN TAG ITEMS (ONE ENABLE PLUG CONNECTOR) PER UCB REQUIREMENTS THM-SYS-TBD.
- SPACECRAFT BUS SIDE GENERAL MOUNTING FLATNESS TO BE .005".
- THE ORIGIN OF THE INSTRUMENT COORDINATE SYSTEM (ICS) IS LOCATED ON THE BOTTOM SURFACE OF THE MAGBOOM ASSY AT THE GEOMETRIC CENTER OF THE PROBE'S TOP DECK.
- FGM INSTRUMENT CG AND MOI IS CALCULATED ASSUMING UNIFORM DENSITY FOR SENSOR STRUCTURE AND MASS OF 78G (TBR).
- THE MASS AND DISTRIBUTION OF HARNESS AND CONNECTORS IS ESTIMATED FROM ETU CABLES.

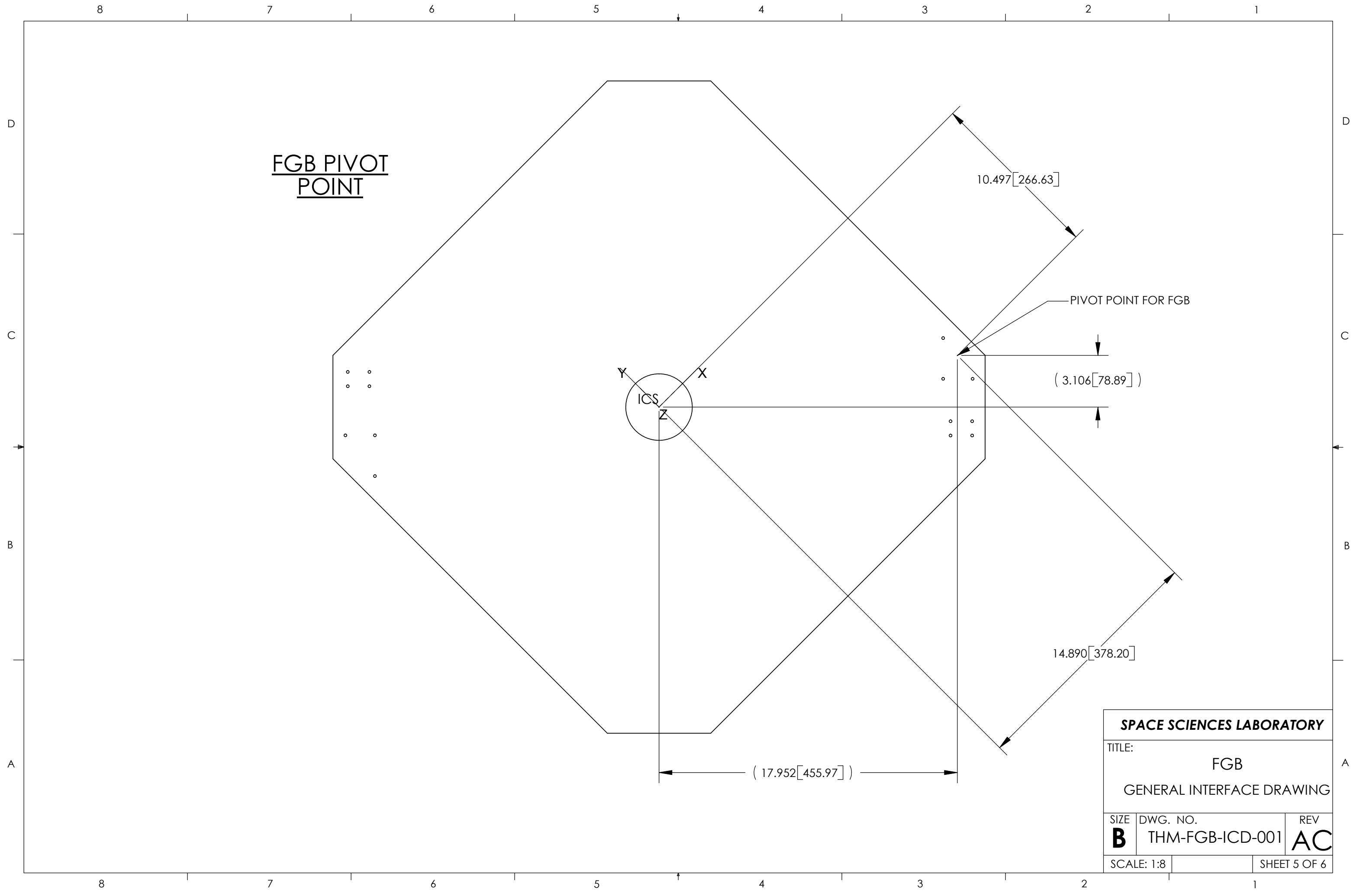


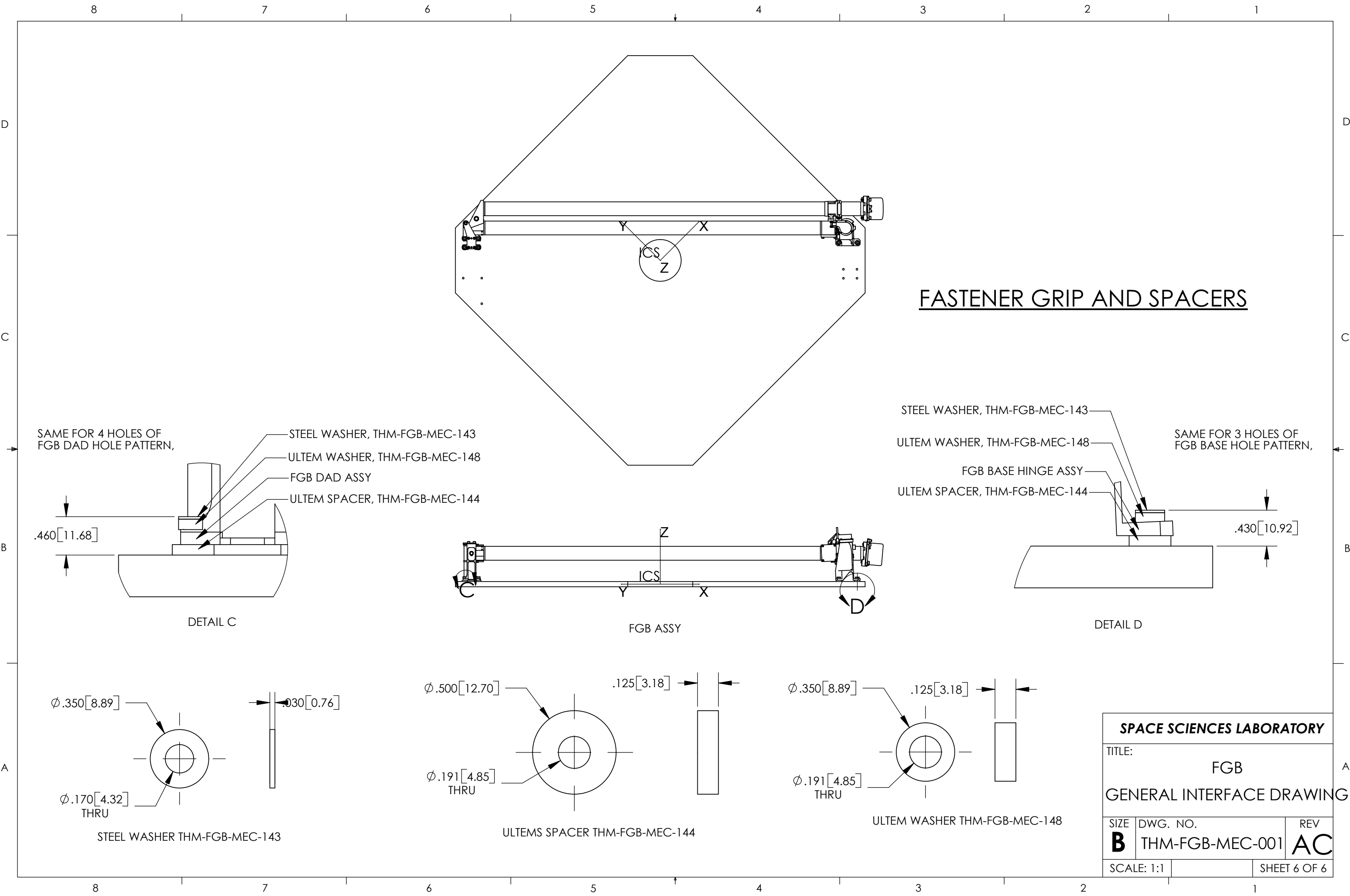
DRILL HOLE TOLERANCES	
DIA RANGE	DIA TOL
.040 / .129	+0.005 -0.001
.130 / .250	+0.006 -0.001
.251 / .485	+0.008 -0.001
.486 / .735	+0.010 -0.001
.736 / .985	+0.012 -0.001
.986 UP	±0.010

SPACE SCIENCES LABORATORY BERKELEY COMPOSITES LAB UNIVERSITY OF CALIFORNIA 2112 ETCHEVERRY HALL BERKELEY, CA 94720 PHONE/FAX: 510.643.5007 EMAIL: ttan@me.berkeley.edu	DIMENSIONS ARE IN INCHES						SPACE SCIENCES LABORATORY		
	TOLERANCES (UNLESS NOTED):		MODELED	TFT	04-19-04		TITLE: FGB GENERAL INTERFACE DRAWING		
	FRACTIONAL ±0.062		DRAWING	TFT	04-19-04				
	ANGULAR: X.X±.1° X ±1°		CHECKED						
	X. ±0.3 X.X ±0.1 X.XX ±0.01 X.XXX ±0.005		SURFACE		THEMIS				
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE SPACE SCIENCES LABORATORY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE SPACE SCIENCES LABORATORY IS PROHIBITED.	INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994		CHARGE NO.						
	MATERIAL		COMMENTS:						
	FINISH								
	DO NOT SCALE DRAWING								
						SIZE B	DWG. NO. THM-FGB-ICD-001		REV AC
						SCALE: 1:3		WEIGHT: GMS	SHEET 1 OF 6









FASTENER GRIP AND SPACERS

- STEEL WASHER, THM-FGB-MEC-143
- ULTEM WASHER, THM-FGB-MEC-148
- FGB BASE HINGE ASSY
- ULTEM SPACER, THM-FGB-MEC-144

SPACE SCIENCES LABORATORY		
TITLE: FGB		
GENERAL INTERFACE DRAWING		
SIZE	DWG. NO.	REV
B	THM-FGB-MEC-001	AC
SCALE: 1:1		SHEET 6 OF 6