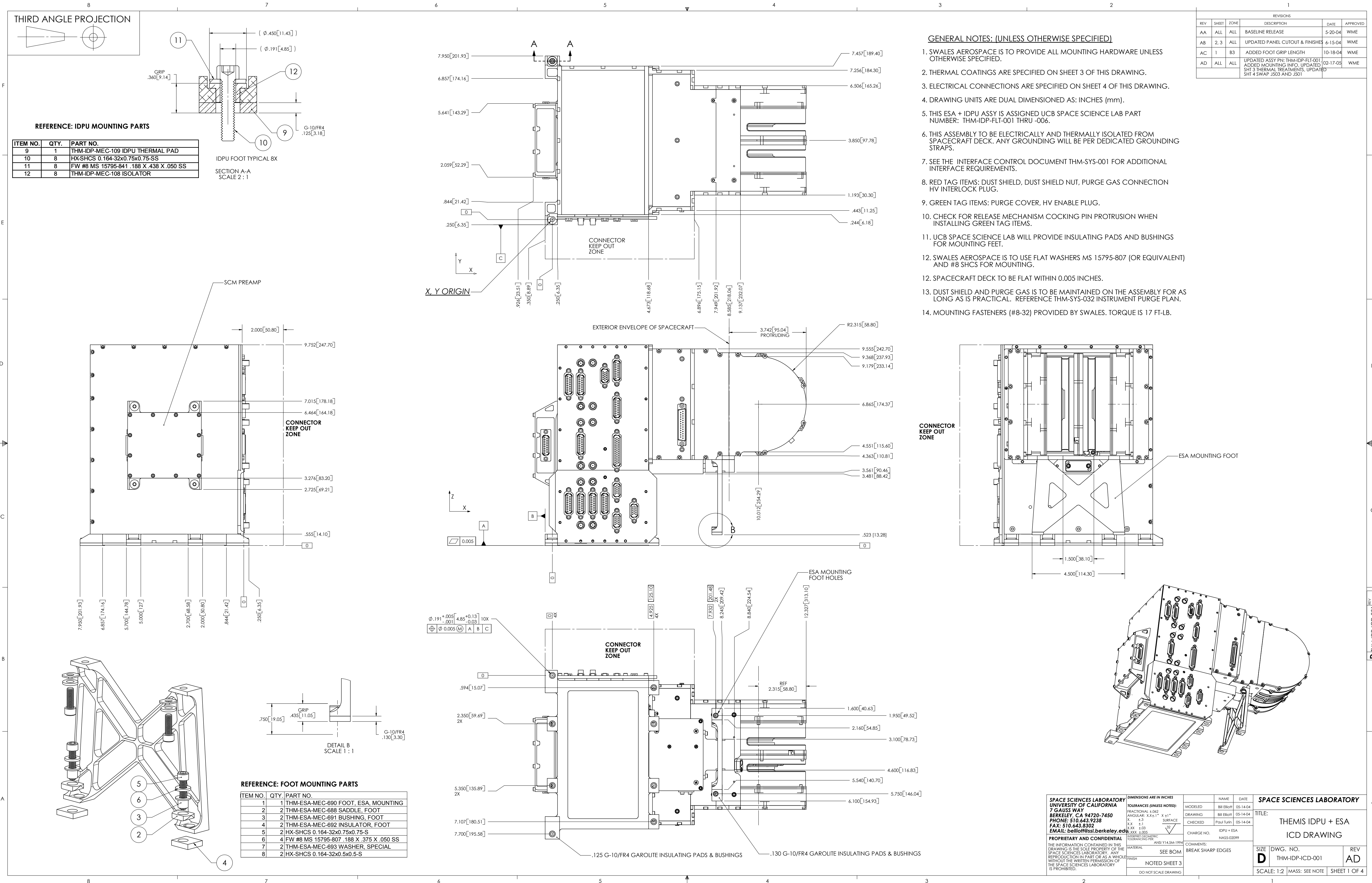
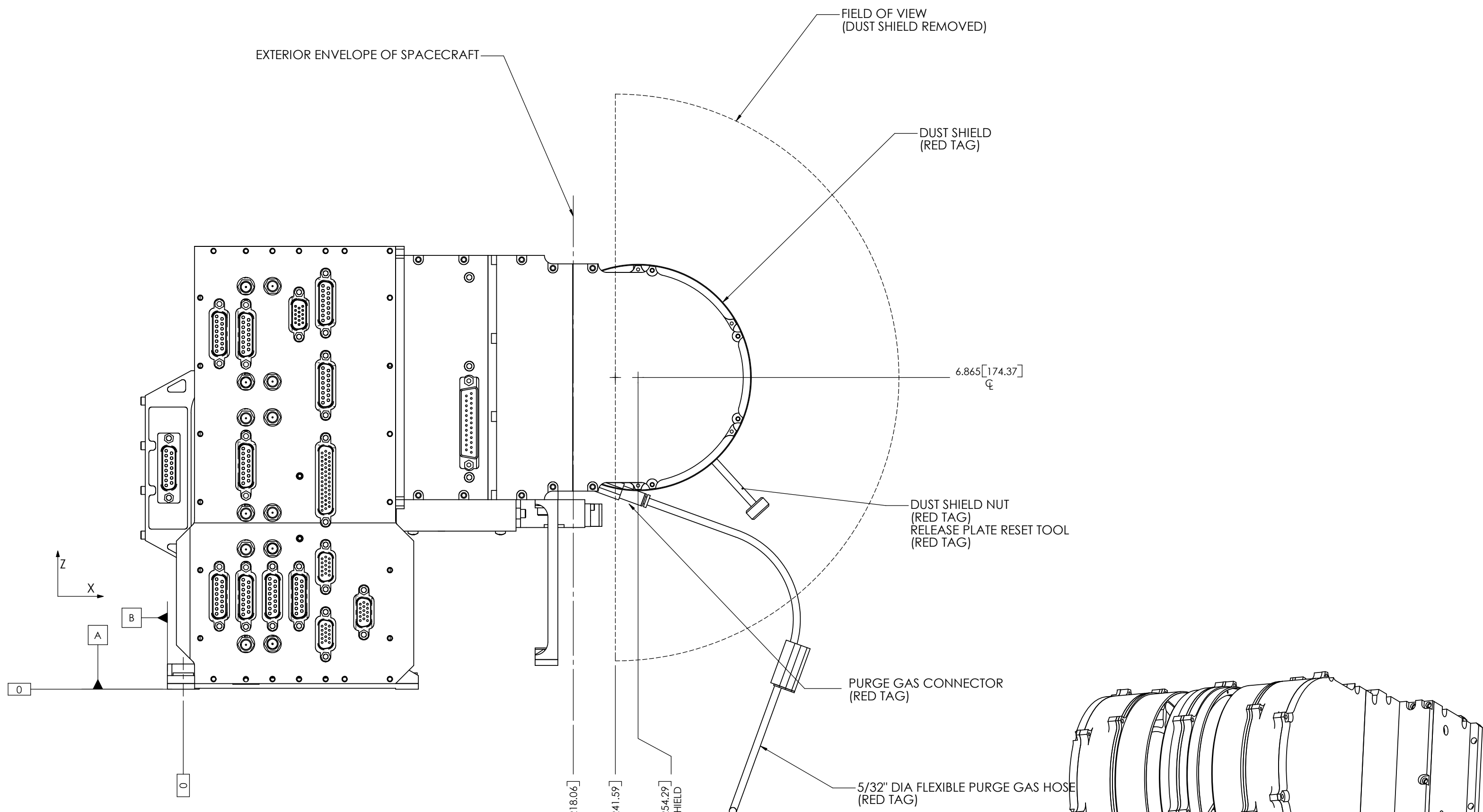
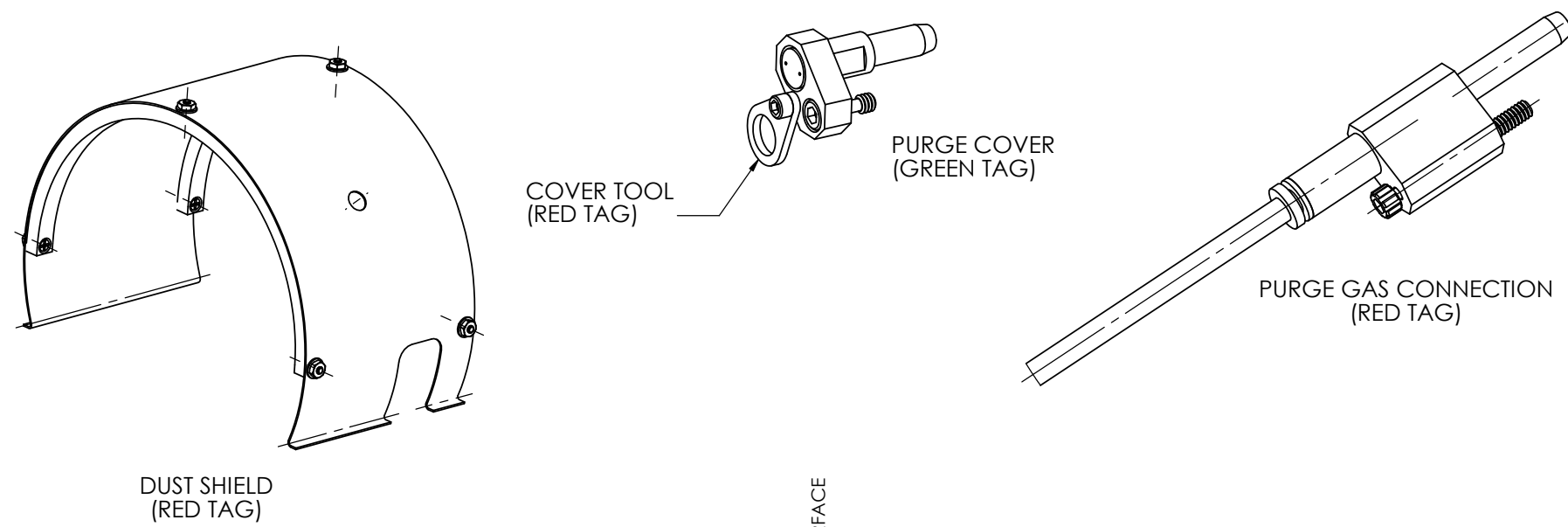


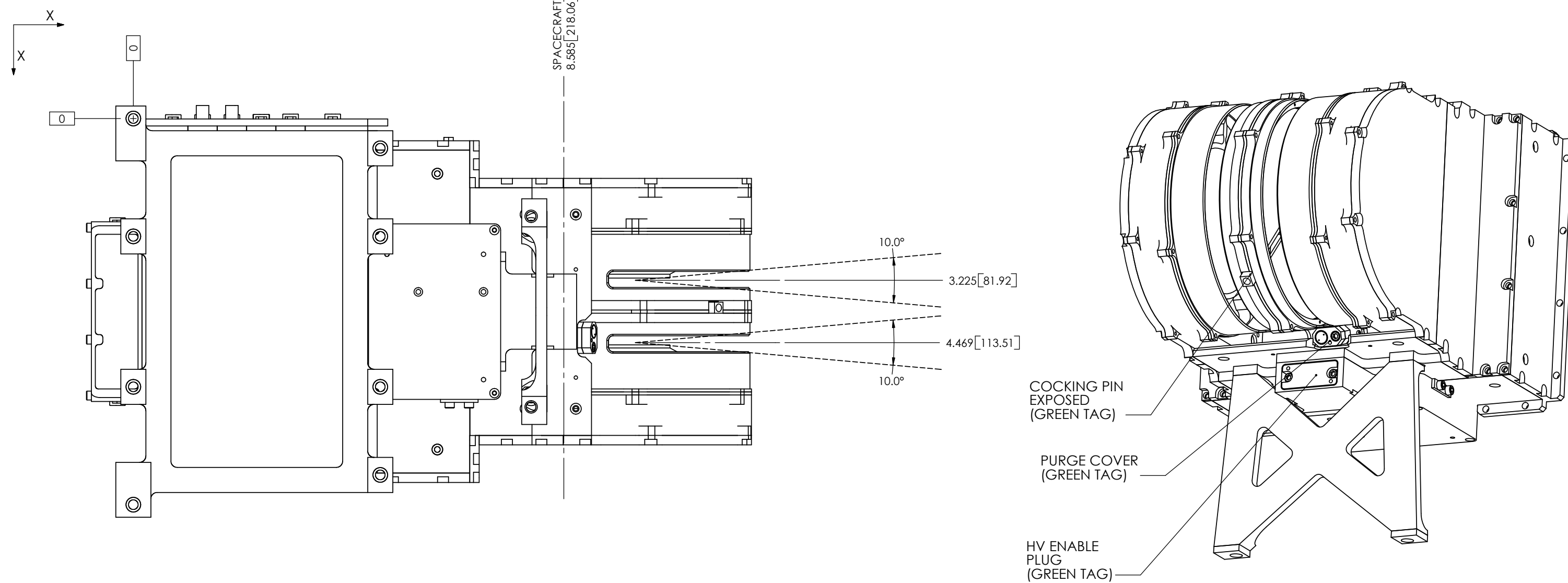




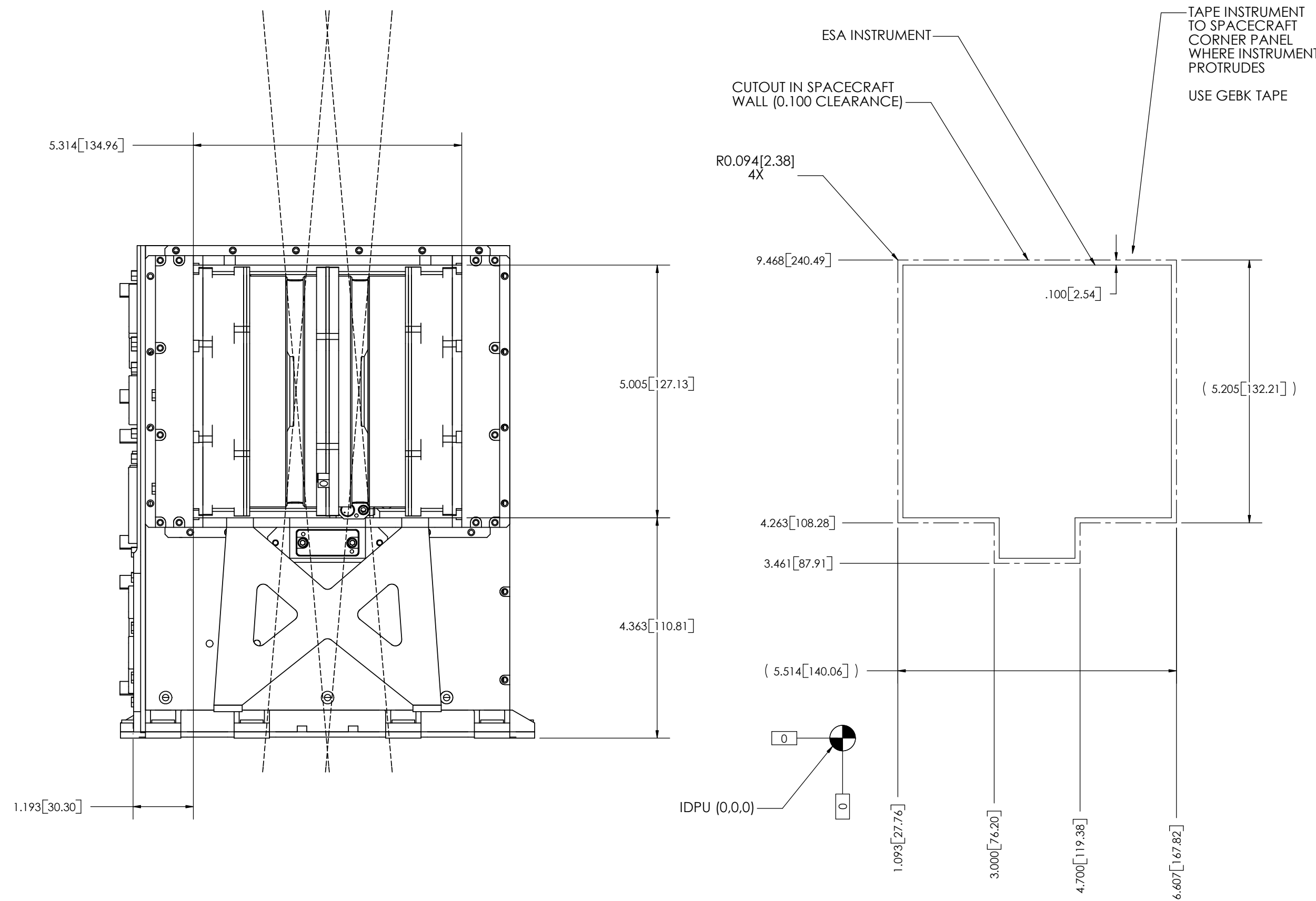
GROUND SUPPORT CONFIGURATION
WITH DUST SHIELD AND NITROGEN PURGE SHOWN



GROUND SUPPORT CONFIGURATION



FLIGHT CONFIGURATION



MASS PROPERTIES

INCLUDES IDPU, ESA, ESA SUPPORT FOOT, SCM
PREAMP AND FASTENERS. (HARNESS NOT INCLUDED)

MASS = 7.321 KG

Center of mass relative to origin: (inches)

x = 4.394

y = 3.667

z = 5.361

Moments of inertia: (kilograms x square meters)
Taken at the center of mass.

Ixx = 0.060

Iyy = 0.082

Izz = 0.069

COMPONENT MASSES

IDPU MASS = 4.211 KG

ESA MASS (INCLUDING FOOT) = 2.870 KG

SCM PREAMP MASS = 0.216 KG

ESA MOUNTING FASTENERS = 0.015 KG

SCM PREAMP FASTENERS = 0.009 KG

TOTAL MASS = 7.321 KG

SPACE SCIENCES LABORATORY

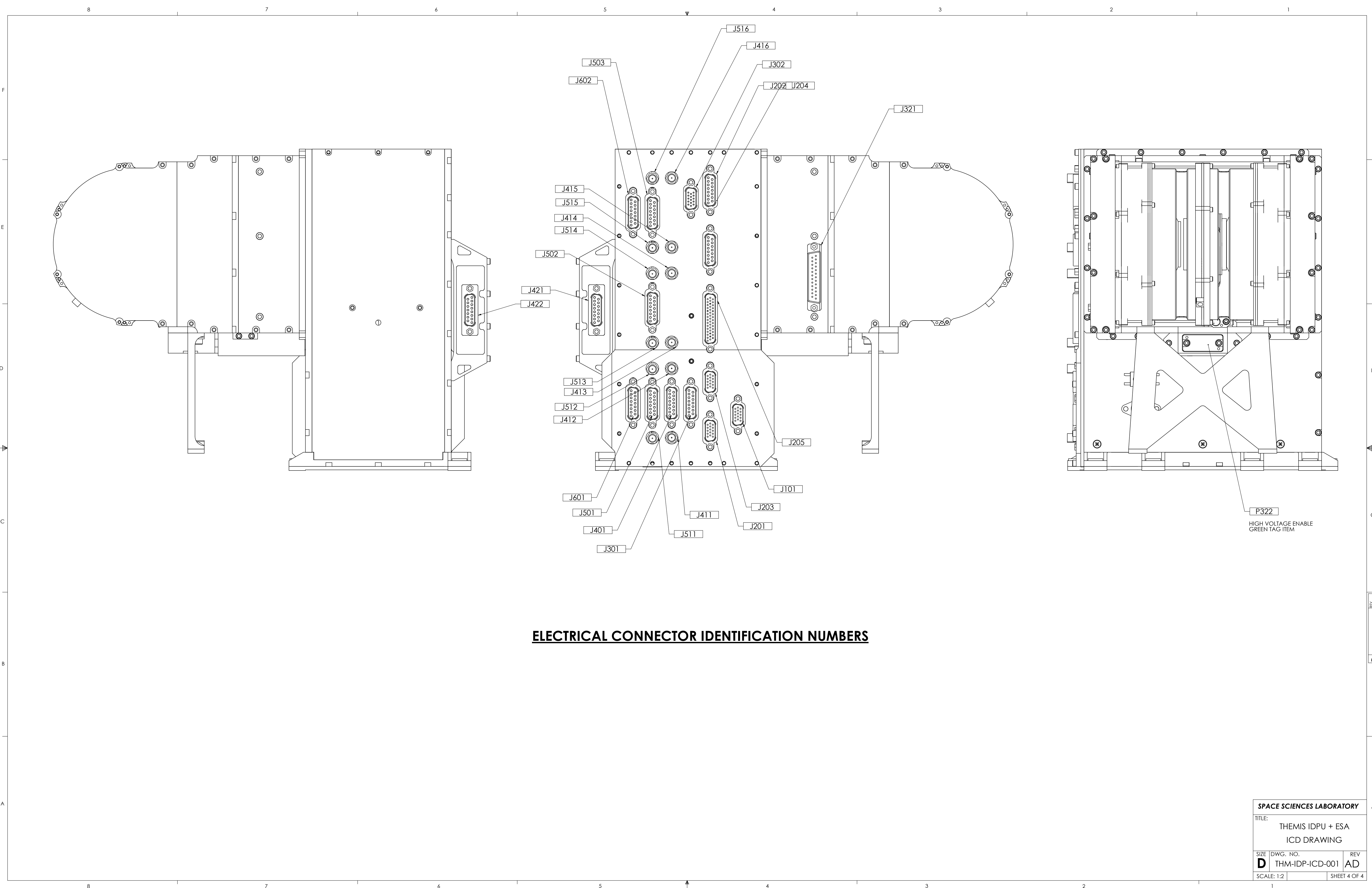
TITLE:
THEMIS IDPU + ESA
ICD DRAWING

SIZE DWG. NO. REV
D THM-IDP-ICD-001 AD

SCALE: 1:2 SHEET 2 OF 4

- F





ELECTRICAL CONNECTOR IDENTIFICATION NUMBERS