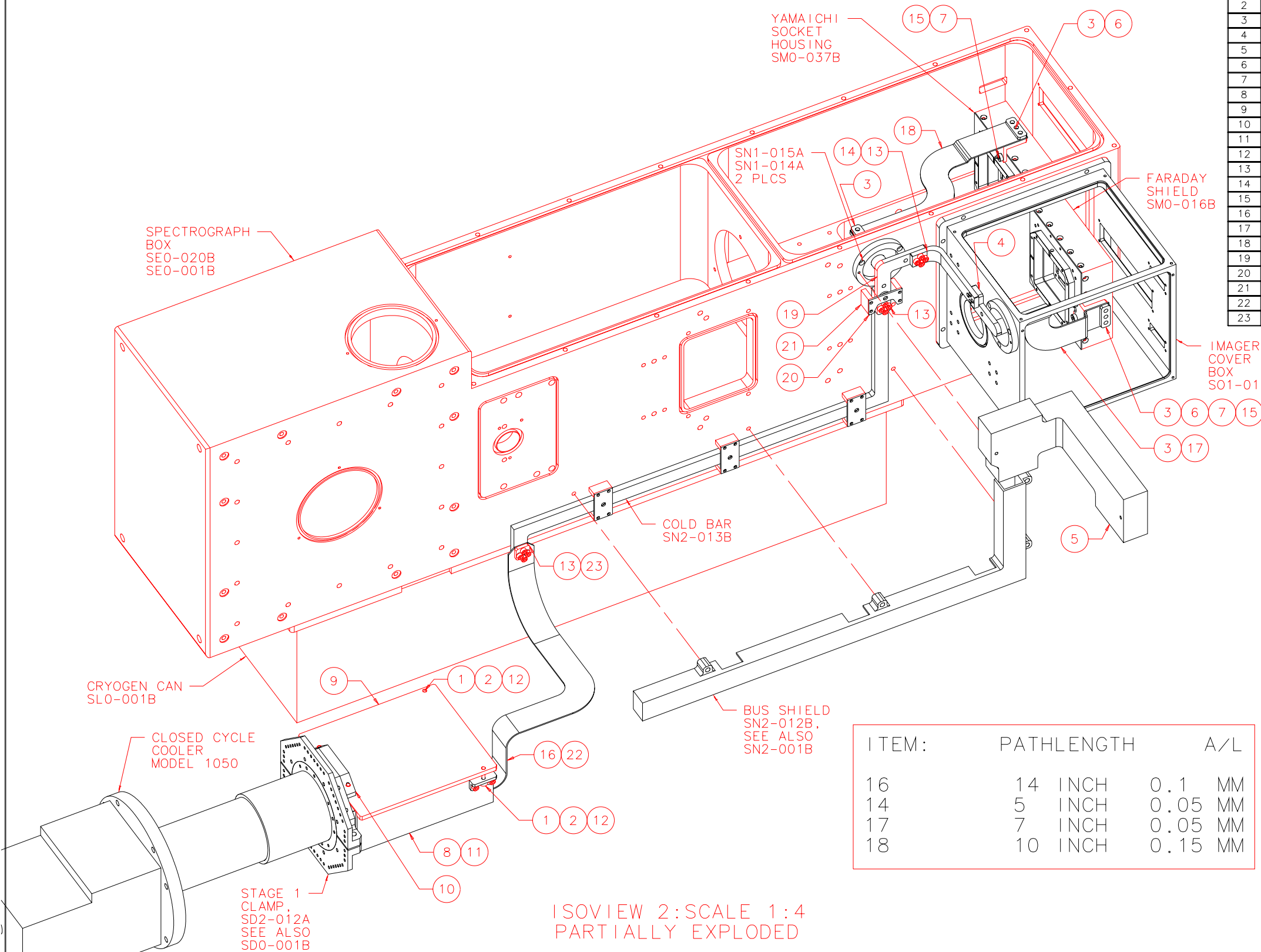


NOTES: UNLESS OTHERWISE NOTED  
 1. MACHINED SURFACE ROUGHNESS 64  
 O-RING GROOVES AND SURFACES 32  
 2. REMOVE ALL BURRS/SHARP CORNERS



ISOVIEW 2: SCALE 1:4  
 PARTIALLY EXPLODED

BILL OF MATERIAL				
NO.	REQ'D	REF DRW	DESCRIPTION	MATERIAL
N/A	1	SD4-001B	THERMAL COOLING	N/A
1	2	N/A	CAPTIVE SCREW Z12-6-H(BERG)	STAINLESS
2	2	SD4-011A	CAPTIVE SCREW BRACKET	ALU 6061-T6
3	4	SD4-012A	COLD BRACKET WASHER	STAINLESS
4	1	SD4-013B	DUAL JUNCTION	COPPER OFHC
5	1	SD4-014B	DUAL LIGHT SHIELD	ALU 6061-T6
6	2	SD4-015A	FARADAY SHIELD CONNECT	COPPER OFHC
7	4	SD4-016A	G-10 BUSHING	G-10
8	1	SD4-017B	GETTER CHANNEL +X	ALU 6061-T6
9	1	SD4-018A	GETTER PLATE -X	ALU 6061-T6
10	1	SD4-019A	GETTER PLATE BRACKET	ALU 6061-T6
11	8	N/A	HEX SOCKET HEAD 8-32 x 1/2	GRADE 8
12	12	N/A	HEX SOCKET HEAD 6-32 x 3/8	GRADE 8
13	8	N/A	HEX SOCKET HEAD 6-32 x 1/2	GRADE 8
14	1	SD4-020A	IMAGER STRAP ANGLE	COPPER OFHC
15	4	SD4-021A	MICA WASHER	MICA
16	1	SD4-022A	STRAP TO COLD BAR	COPPER OFHC
17	1	SD4-023A	STRAP TO IMAGING ARRAY	COPPER OFHC
18	1	SD4-024A	STRAP TO SPECTROARRAY	COPPER OFHC
19	1	SD4-025B	TRIPLE JUNCTION	COPPER OFHC
20	1	SD4-026A	TRIPLE JUNCTION INSULATOR	G-10
21	2	SD4-027A	TRIPLE JUNCTION SPACER	ALU 6061-T6
22	1	SD4-028A	WASHER PLATE 1	STAINLESS
23	1	SD4-029A	WASHER PLATE 2	STAINLESS

NOTES:

- A) NO DRAWINGS EXIST FOR ITEMS 16, 17 AND 18. TO BE DETERMINED AT ASSEMBLY. FOLLOW A/L RATIOS GIVEN BELOW
- B) USE VENTED SCREWS FOR ALL NONPENETRATING TAPPED HOLES.
- C) FOR PARTS NOT LABELLED SEE:  
 SLO-001B  
 SDO-001B  
 SOO-001B
- D) ITEM 16, 17 AND 18 ARE MULTI-LAYERED STRAPS .006 INCH THICK. FOR 16 USE 2 INCH WIDE STRAPS, OTHERS USE 1 INCH STRAPS. MATL COPPER OFHC

ITEM:	PATHLENGTH	A/L
16	14 INCH	0.1 MM
14	5 INCH	0.05 MM
17	7 INCH	0.05 MM
18	10 INCH	0.15 MM

REVDATE: 10/05/99	REVISION: UPDATE DRAWING
REVDATE: N/A	REVISION: N/A
DATE: 04/06/99	<b>INSTITUTE FOR ASTRONOMY</b>
DESIGN: STAHLBERGER	2680 WOODLAWN DR. HONOLULU, HI 96822
DRAWN: STAHLBERGER	INSTRUMENT: SPEX - CROSS DISPERSED SPECTROGRAPH
APPR'D: J. RAYNER	PART NAME: THERMAL COOLING
<b>TOLERANCES</b>	
X.X	+/- .015
X.XX	+/- .005
X.XXX	+/- .002
ANGLE	+/- 30 min
FRACTION	+/- 1/32
DRW NO: SD4-001B	SCALE: 1:4
SIZE: B	JOS NO: 725
	SHEET: 1 OF 1