



SECTION A-A
SCALE 1 / 5

NOTES

1. Use riveted copper pipe straps to hold pipe to heat sink. Apply Devcon metal-filled epoxy or putty along edge of interface between pipe and aluminum sheet.
2. Aluminum tubes, miter braces, and outer sheet are to be fastened together using rivets.
3. Use Liquid Nails construction adhesive to cement all metal sheets and styrofoam together.
4. Use contact adhesive to cement formica to Styrofoam, or Liquid Nails if necessary.
5. Dry fit all parts before using adhesive.
6. Rivets and pipe straps not shown

ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
18	4	Insulation Frame Miter Brace	PFS03029				
17	1	Insulation Floor Water Jacket	PFS03025				
16	1	Insulation Floor/Roof 3" Foam	PFS03022	8	1	Styrofoam 3/4" Layer	-
15	1	Insulation Floor/Roof 4" Foam	PFS03019	7	8	SHCS 1/4-20 UNCx0.5	-
14	2	Insulation Frame Horizontal Short	PFS03017	6	1	Liquid Nails construction adhesive	-
13	2	Insulation Frame Horizontal Long - Floor	PFS03015	5	5	Formica, black	-
12	4	Insulation Cart Flange	PFS03014	4	1	Devcon Metal-Filled Epoxy #19770	-
11	4	Insulation Vertical Post Coupling	PFS03013	3	50	Copper pipe strap MSC# 36892123	-
10	1	Insulation Floor Heat Sink	PFS03002	2	80	Alumina blind rivet, 1/8", 5/16" grip	-
9	1	Insulation Floor Bottom Sheet	PFS03001	1	100	Aluminum blind rivet, 1/8", 3/16" grip	-
Bill of Material				Bill of Material			

**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION OF WASHINGTON**
813 Santa Barbara Street
Pasadena, CA 91101

MATERIAL			UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/32 .XX +/- 0.01 +/- 0.1 DEG .XXX +/- 0.002 GOAL .XXX +/- 0.005 REQD BREAK SHARP EDGES MACHINED SURFACES 125		
EST WEIGHT			177 lb		
SCALE			1:12		
DWN	CRANE	10/5/2007	P lanet F nder S pectrograph		
APVD	BY	DATE			
SHEET		DRAWING NUMBER		SHT 1	REV
B		PFS00026		OF 1	

Insulation Floor Assembly