



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. Use Liquid Nails construction adhesive to cement all metal sheets and styrofoam together.
3. Use contact adhesive to cement formica to Styrofoam, or Liquid Nails if necessary.
4. Dry fit all parts before using adhesive.
5. Rivets and pipe straps not shown

ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
11	1	Insulation End Water Jacket	PFS03028				
10	1	Insulation End 3" Foam	PFS03024	5	1	Styrofoam 3/4" Layer	-
9	1	Insulation End 4" Foam	PFS03021	4	1	Liquid Nails construction adhesive	-
8	1	Insulation End 1 Heat Sink	PFS03010	3	1	Devcon metal-filled epoxy #19770	-
7	1	Insulation End 1 Outer Sheet	PFS03009	2	50	Aluminum blind rivets, 1/8", 3/16" grip	-
6	5	Formica, black	-	1	25	Copper pipe straps MSC#36892123	-
Bill of Material				Bill of Material			

<b>THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON</b> 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 ✓ ALL DIMENSIONS IN INCHES
EST WEIGHT		
53 lb		
SCALE		
1:10		
DWN		CRANE
APVD		DATE
BY		DATE
SHEET	DRAWING NUMBER	SHT 1 OF 1
B	PFS00030	REV