

VIEW A-A
BOTTOM

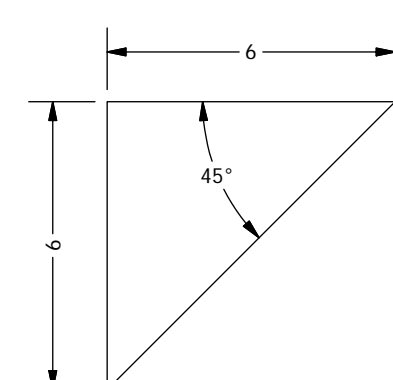
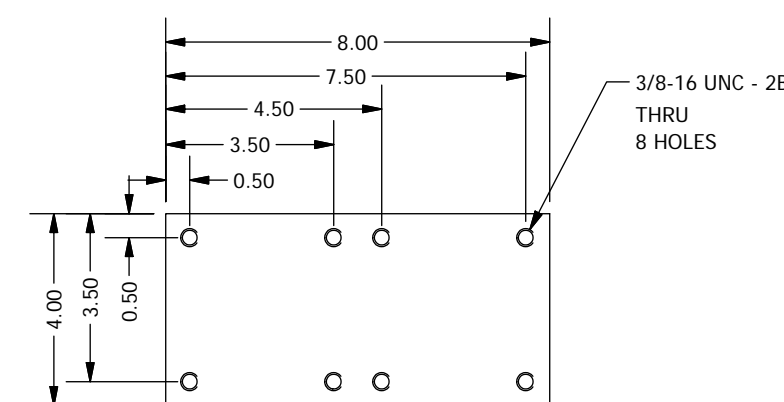
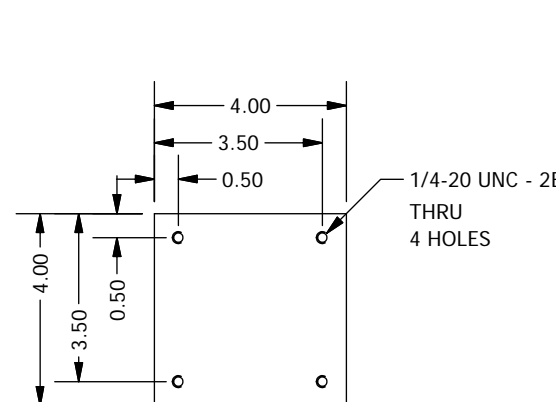
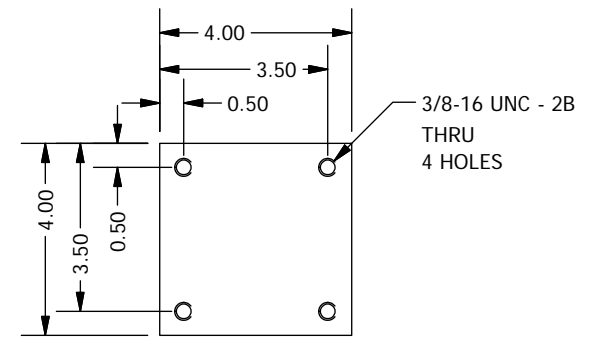
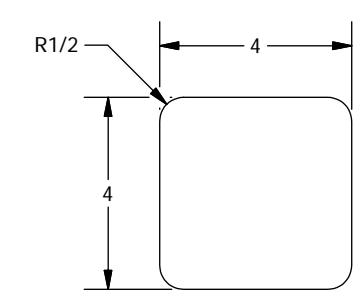
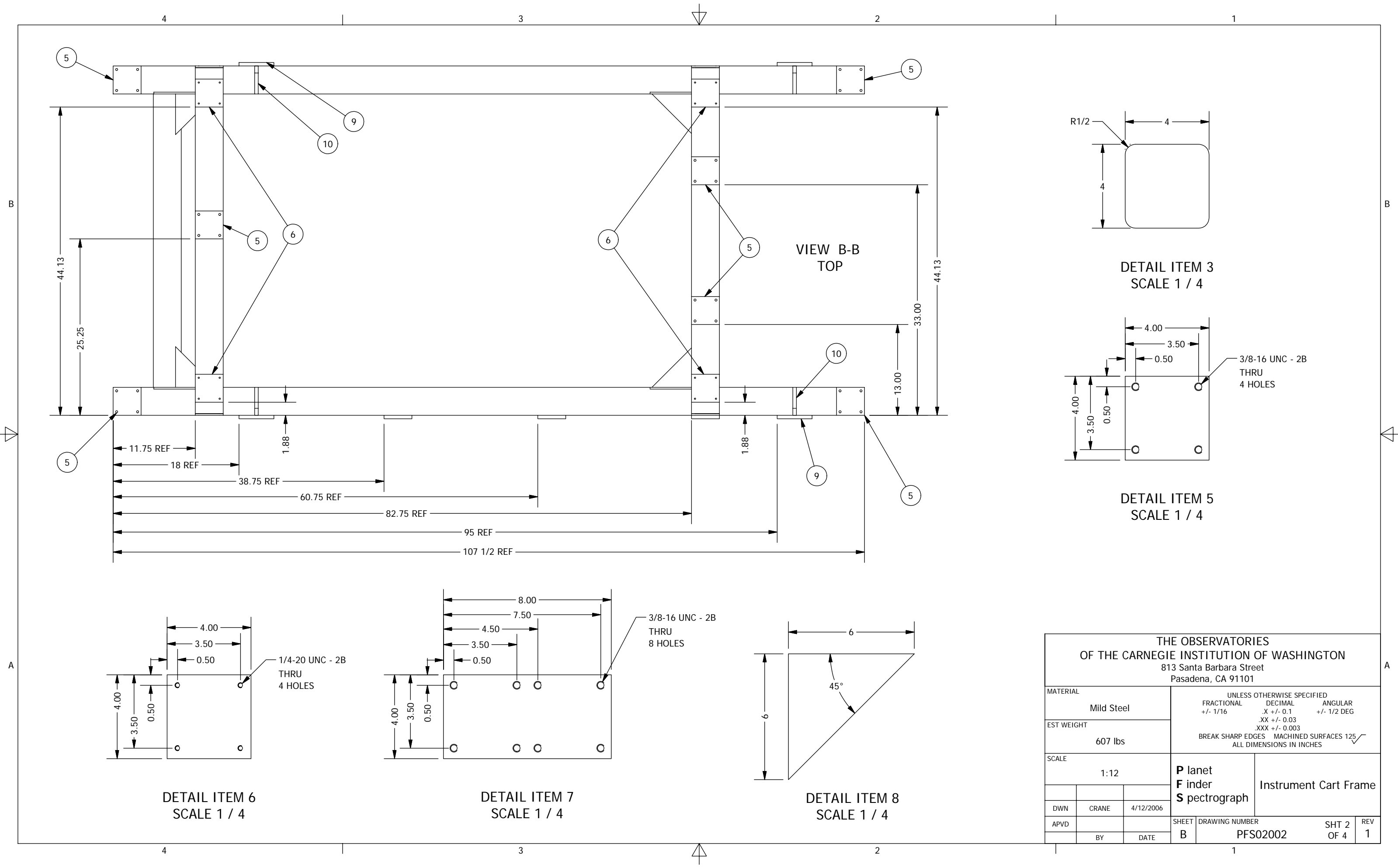
- NOTES**
1. After fabrication, sandblast, prime, and paint white.
 2. Hold items 5 and 7 in two common planes laterally across the top and bottom of the frame. Goal ± 0.010 in each plane.

ITEM	QTY	DESCRIPTION
11	2	Gusset Plate 45deg - 8 x 8 x 1/4 Mild Steel
10	4	Support Plate 7.5 x 4 x 1/2 Mild Steel
9	4	Mount Plate 11.5 x 5 x 1/2 Mild Steel
8	12	Gusset Plate 45deg - 6 x 6 x 1/4 Mild Steel
7	2	Mount Plate 8 x 4 x 1/2 Mild Steel, 8x3/8-16
6	8	Mount Plate 4 x 4 x 1/2 Mild Steel, 4x1/4-20
5	10	Mount Plate 4 x 4 x 1/2 Mild Steel, 4x3/8-16
4	4	TS 4 x 4 x 1/4 x 15.25 Mild Steel
3	12	End Cap Plate 4 x 4 x 1/4 Mild Steel
2	4	TS 4 x 4 x 1/4 x 49.5 Mild Steel
1	2	TS 4 x 4 x 1/4 x 107 Mild Steel

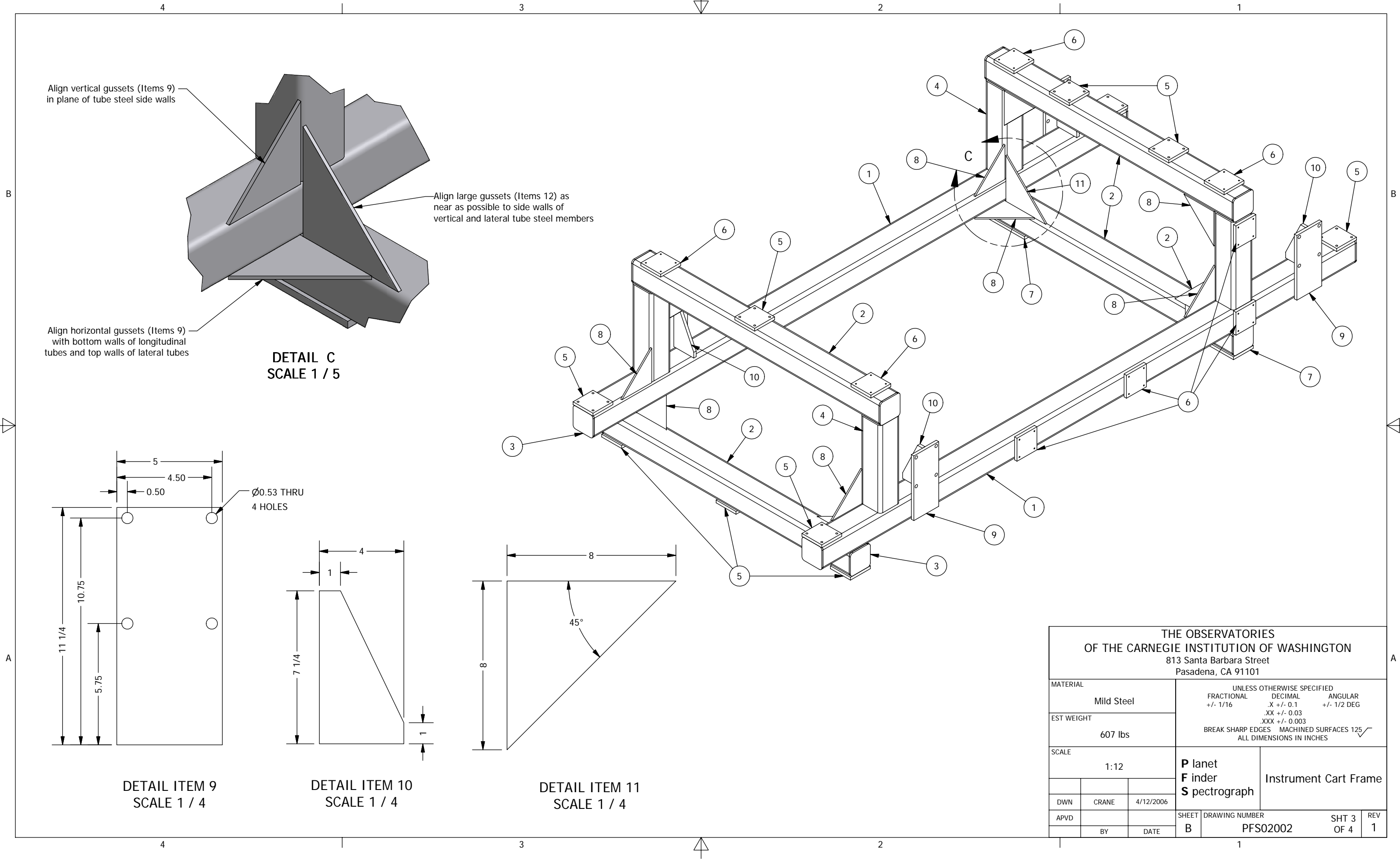
Bill of Material

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

MATERIAL	Mild Steel	UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/16 .X +/- 0.1 +/- 1/2 DEG .XX +/- 0.03 .XXX +/- 0.003				
EST WEIGHT	607 lbs	BREAK SHARP EDGES MACHINED SURFACES 125 ✓ ALL DIMENSIONS IN INCHES				
SCALE	1:12	P lanet F nder S pectrograph	Instrument Cart Frame			
DWN	CRANE				4/12/2006	
APVD	BY	DATE	SHEET B	DRAWING NUMBER PFS02002	SHT 1 OF 4	REV 1



THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON 813 Santa Barbara Street Pasadena, CA 91101				
MATERIAL		Mild Steel <small>UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/16 .X +/- 0.1 +/- 1/2 DEG .XX +/- 0.03 .XXX +/- 0.003 BREAK SHARP EDGES MACHINED SURFACES 125</small>		
EST WEIGHT		607 lbs		
SCALE		1:12		
		Planet F nder S pectrograph		Instrument Cart Frame
DWN	CRANE	4/12/2006		
APVD		SHEET B		REV 1
BY	DATE	DRAWING NUMBER PFS02002		SHT 2 OF 4

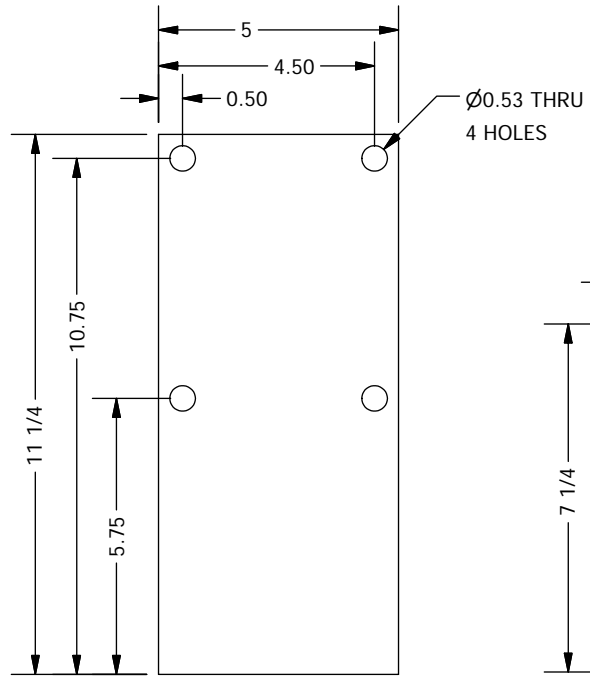


Align vertical gussets (Items 9) in plane of tube steel side walls

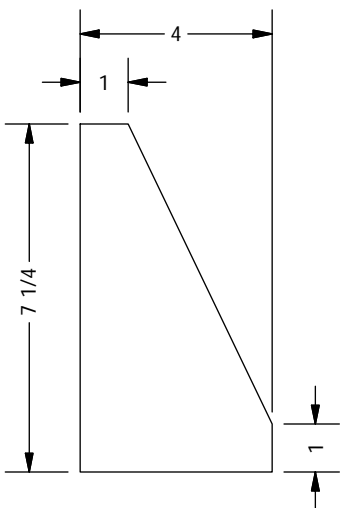
Align large gussets (Items 12) as near as possible to side walls of vertical and lateral tube steel members

Align horizontal gussets (Items 9) with bottom walls of longitudinal tubes and top walls of lateral tubes

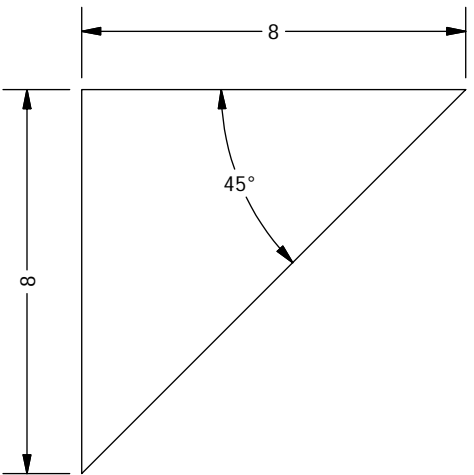
DETAIL C
SCALE 1 / 5



DETAIL ITEM 9
SCALE 1 / 4

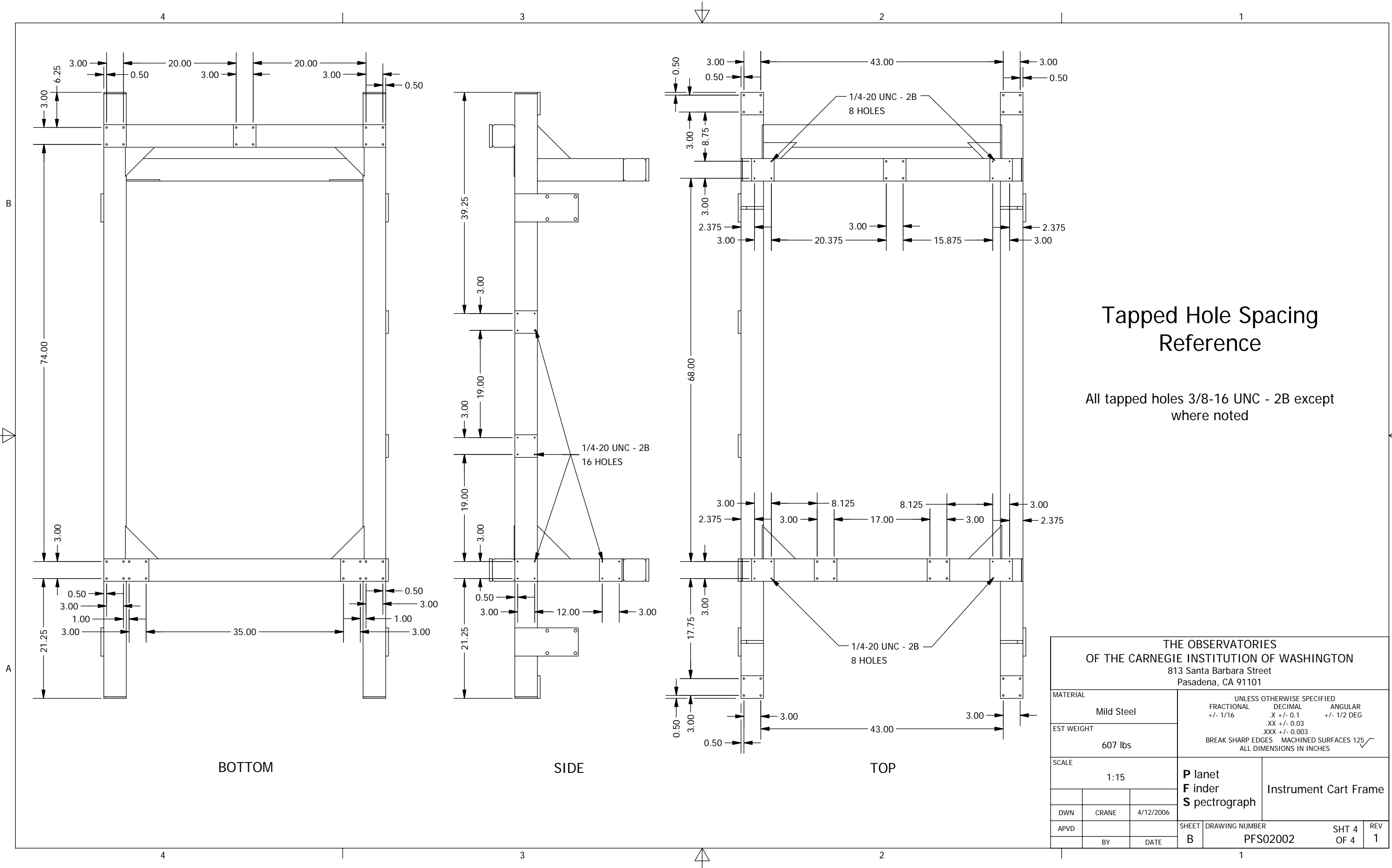


DETAIL ITEM 10
SCALE 1 / 4



DETAIL ITEM 11
SCALE 1 / 4

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MATERIAL		UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/16 .X +/- 0.1 +/- 1/2 DEG		
EST WEIGHT		.XX +/- 0.03 .XXX +/- 0.003 BREAK SHARP EDGES MACHINED SURFACES 125		
SCALE		1:12 P lanet F nder S pectrograph Instrument Cart Frame		
DWN	CRANE	4/12/2006		
APVD	BY	DATE	SHEET	REV
			B	1
		DRAWING NUMBER		SHT 3
		PFS02002		OF 4



Tapped Hole Spacing Reference

All tapped holes 3/8-16 UNC - 2B except where noted

THE OBSERVATORIES OF THE CARNEGIE INSTITUTION OF WASHINGTON 813 Santa Barbara Street Pasadena, CA 91101				
MATERIAL		UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR +/- 1/16 .X +/- 0.1 +/- 1/2 DEG .XX +/- 0.03 .XXX +/- 0.003 BREAK SHARP EDGES MACHINED SURFACES 125		
EST WEIGHT		ALL DIMENSIONS IN INCHES		
SCALE		P lanet F nder S pectrograph		Instrument Cart Frame
74.00		1:15		
DWN	CRANE	4/12/2006		
APVD	BY	DATE	SHEET	REV
			B	1
			DRAWING NUMBER	SHT 4
			PFS02002	OF 4