

REV	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	05/21/07	V. GASHO	V. GASHO
B	UPDATE DRAWING LIST	06/12/07	V. GASHO	V. GASHO

LARGE BINOCULAR TELESCOPE

2 x 8.4M TELESCOPE

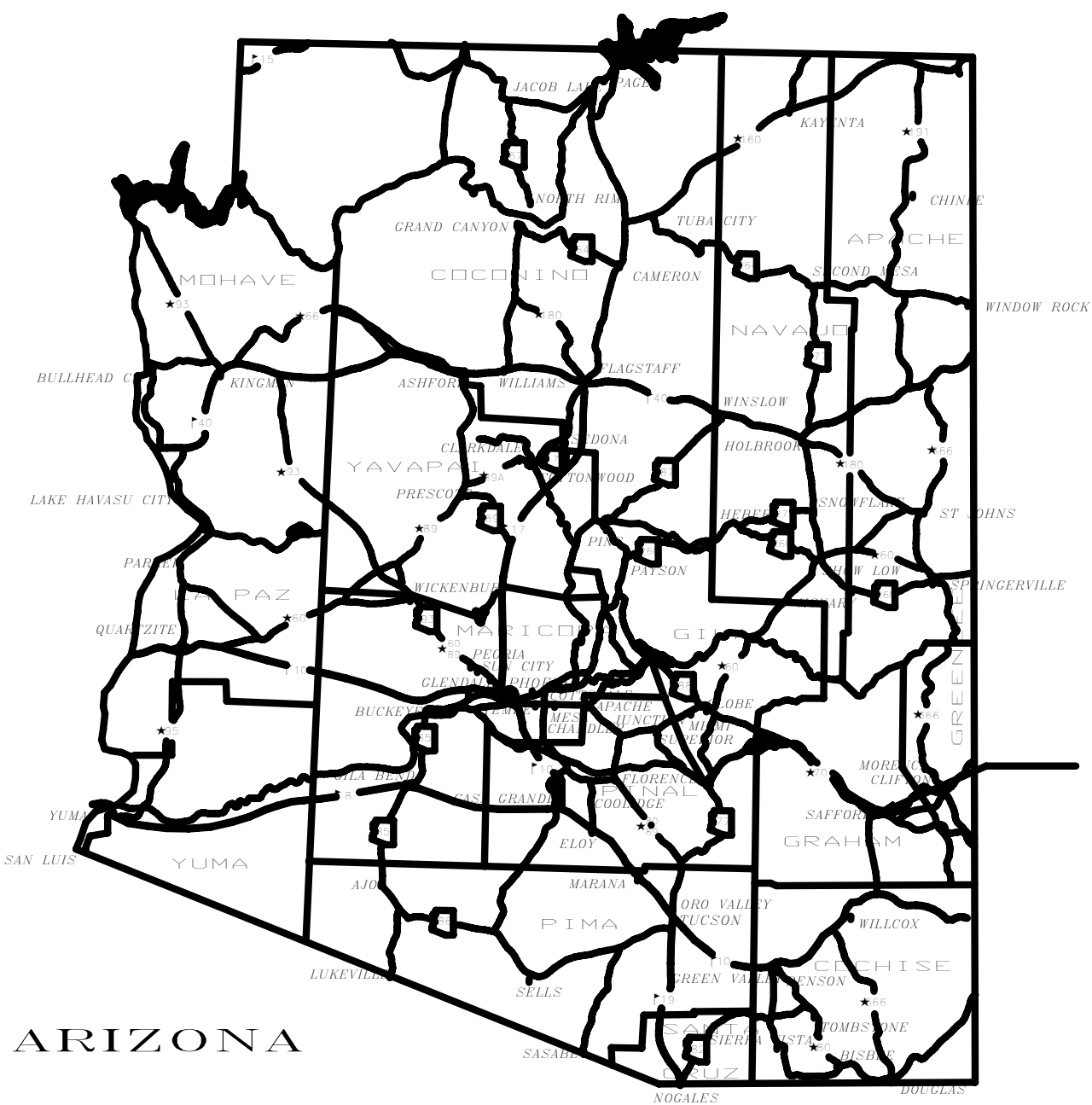
SAFFORD, ARIZONA

OWNER

LARGE BINOCULAR TELESCOPE

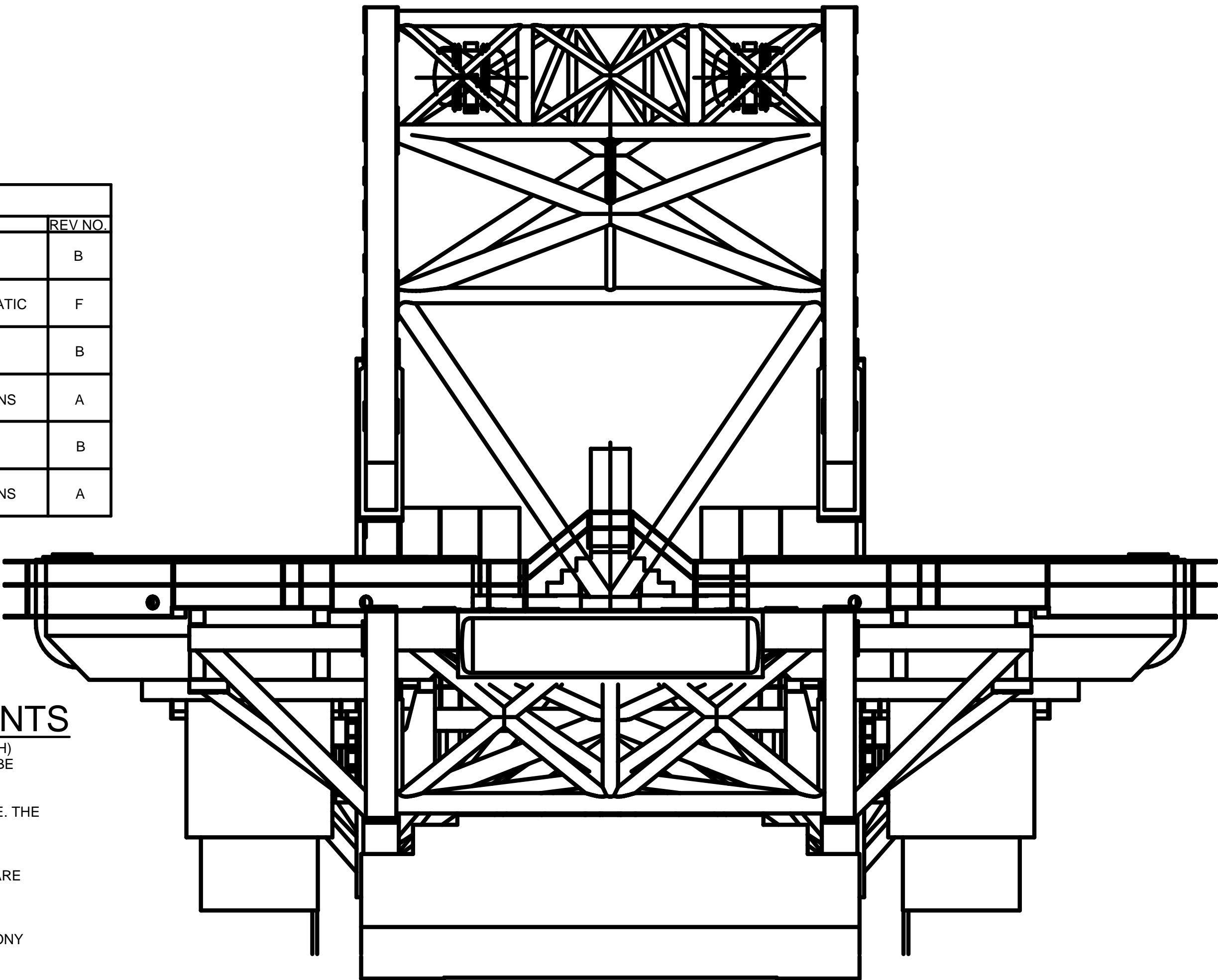
LBT Project Office/USA
Steward Observatory, University of Arizona
Tucson, AZ 85721-0065 USA
Ph. 1 520 626-5231 Fax. 1 520 621-9843

LOCATION MAP



MOUNT GRAHAM
SAFFORD, AZ

DRAWING INDEX			
SHEET NO.	REF. SHT.	SHEET TITLE	REV. NO.
1	580s039	TITLE SHEET	B
2	406e001	DYNAMIC BALANCING SYSTEM HYDRAULIC SCHEMATIC	F
3-6	580s040	DYNAMIC BALANCING Y-PIPING SYSTEM ASSY (SHEETS 1-4)	B
7	580s041	DYNAMIC BALANCING Y-PIPING SUPPORT LOCATIONS	A
8-11	580s050	DYNAMIC BALANCING Z-PIPING SYSTEM ASSY (SHEETS 1-4)	B
12	580s051	DYNAMIC BALANCING Z-PIPING SUPPORT LOCATIONS	A



PROJECT GENERAL REQUIREMENTS

- ALL COMPONENTS MOUNTED ON THE TELESCOPE MUST WITHSTAND (120 KMH) 75 MPH WIND CONDITIONS, BE RIDGIDLY MOUNTED TO THE TELESCOPE AND BE SUITABLE FOR HIGH VIBRATION ENVIRONMENT.
- ALL COMPONENTS MUST BE SECURE AT ALL ELEVATIONS OF THE TELESCOPE. THE TELESCOPE ROTATES 90 DEGREES FROM ZENITH TO HORIZON (VERTICAL TO HORIZON).
- ALL MATERIALS MUST BE OZONE RESISTANT. MANY COMMON ELASTOMERS ARE NOT SUITABLE FOR 3200 m (10,000 FOOT) ELEVATIONS. VITON EDPM ARE THE PREFERRED MATERIAL FOR SEALS.
- ALL SOLDER CONNECTIONS SHALL BE MADE WITH ALLOY Sb5 95-5 TIN ANTIMONY SOLDER.



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DO NOT SCALE DRAWING		THIS DRAWING CREATED IN:				DESIGNED BY:		DATE:		LARGE BINOCULAR TELESCOPE <small>LBT Project Office/USA Steward Observatory, University of Arizona Tucson, AZ 85721-0065 USA Ph. 1 520 626-5231 Fax. 1 520 626-9333</small> <small>LBT Project Office/Italy Osservatorio Astronomico di Arcetri, Largo Enrico Fermi 5, 50125 Firenze, ITALY Ph. 39 055 2752250 Fax. 39 055 2752262</small>					
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94		ACAD <input type="checkbox"/>	MECH <input type="checkbox"/>	IDEAS <input type="checkbox"/>	INV <input checked="" type="checkbox"/>	V. GASHO		05/15/07							
TOLERANCES UNLESS OTHERWISE SPECIFIED <u>LINEAR</u> <u>ANGULAR</u> .X = ± .1 ± 1° .XX = ± .03 .XXX = ± .010 <u>DIAMETRICAL</u> SEE SPEC S-002 <small>DIMENSIONS ARE IN INCHES / DIMENSIONS IN [] ARE METRIC</small>						DRAWN BY:		DATE:		TELESCOPE AUXILIARIES 580 BALANCING SYSTEM DYNAMIC BALANCING PIPING INSTALLATION					
						V. GASHO		05/15/07							
						LST REV BY:		DATE:							
						CHECKED BY:		DATE:							
						J. NOENICKX		05/21/07							
MATERIAL:						ACCEPT BY:		DATE:		CAN NO: 580s039					
						V. GASHO		05/21/07							
						RELEASE BY:		DATE:							
						J. BRYNNEL		05/21/07		SHEET 1 OF 1 B					
		NEXT ASSY				USED ON		APPROVED:						DATE:	
FINISH: ---		ASSEMBLY APPLICATION				APPROVED:		DATE:							