OWNER

LARGE BINOCULAR TELESCOPE
LBT Project Office/USA
Steward Observatory, University of Arizona
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LOCATION MAP

PROJECT GENERAL REQUIREMENTS

1) ALL COMPONENTS MOUNTED ON THE TELESCOPE MUST WITHSTAND 75 MPH WIND CONDITIONS, BE RIDGIDLY MOUNTED TO THE TELESCOPE AND BE SUITABLE FOR HIGH VIBRATION ENVIRONMENT.

2) ALL COMPONENTS MUST BE SECURE AT ALL ELEVATIONS OF THE TELESCOPE. THE TELESCOPE ROTATES 90 DEGREES FROM ZENITH TO HORIZON (VERTICAL TO HORIZON).

3) 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.

4) ALL SOLDER CONNECTIONS SHALL BE MADE WITH ALLOY Sb5 95-5 TIN ANTIMONY SOLDER.

DIMENSIONS ARE IN INCHES / DIMENSIONS IN [ ] ARE METRIC

TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94

±= .01 .1° .03 .XXX .010 .001 ±

MATERIAL:

DECKING: 500M GALV./ZINC ALLOY
STAIRS: 500M GALV./ZINC ALLOY

TELESCOPE AUXILIARIES
560 BALANCING SYSTEM
DYNAMIC BALANCING
PIPING INSTALLATION