



# CRYOGENIC STRUCTURAL TEST FACILITY

## Purpose:

To provide cryogenic simulation, structural strength, and pressurization test capabilities in an area controlled for hazardous test operations.

Cryogenics include  $LN_2$ ,  $LH_e$ , and  $LH_2$  stored in volume for large test articles. The mechanical load control and data acquisition and processing systems described for the “Large Structure Quasi-Static Load Facility” are common to this facility and provide identical features and performance characteristics. Test article dimensions up to 33 ft diameter and 60 ft length are accommodated. Load reaction structure compatible with load application systems is in place for tensile, compression, moment, and shear loads. Unique support structure and interface hardware are customized to test article requirements.



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