

2

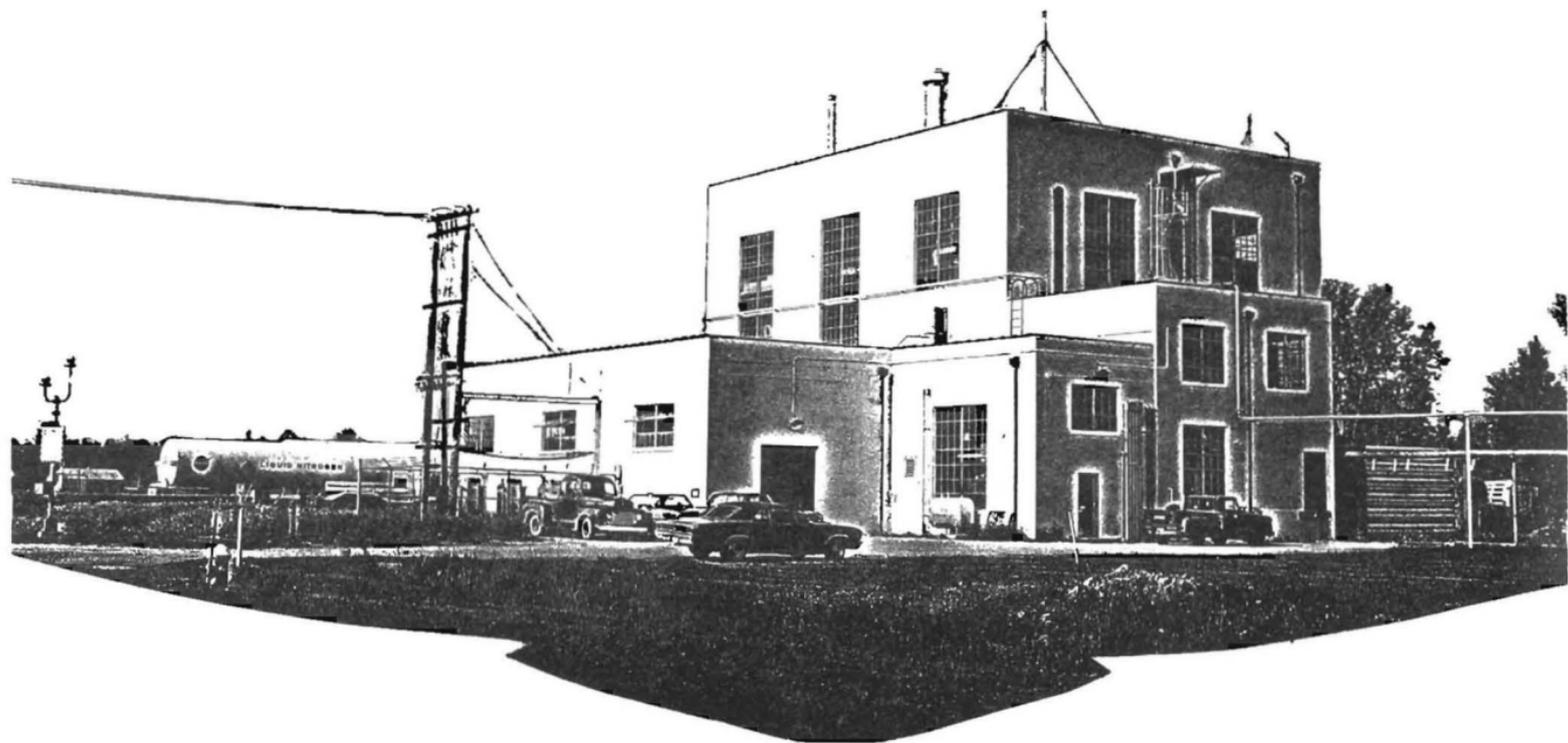
CRYOGENIC PROPELLANT
TANK SITE

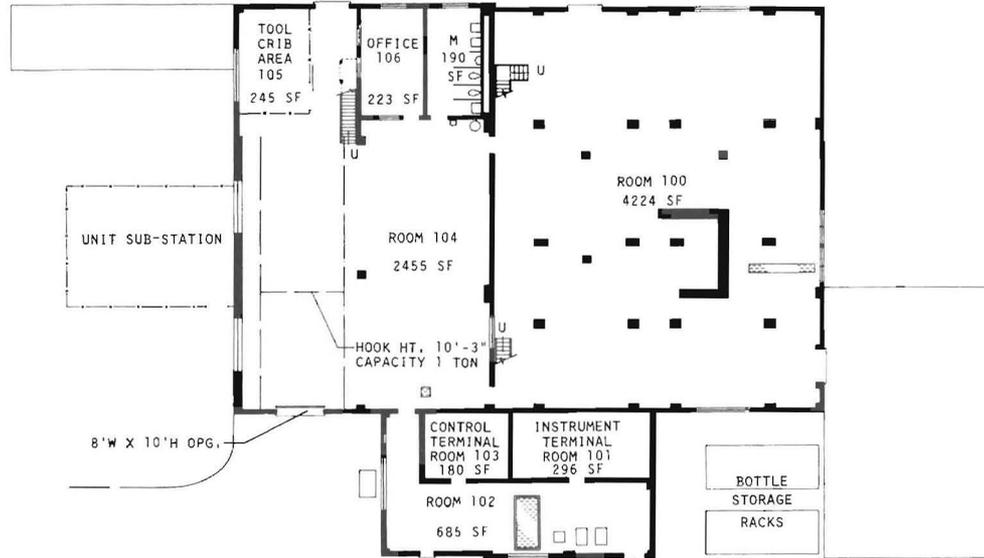
An unused power plant building was renovated to provide space for this research test facility. The power plant equipment was removed and replaced by a 25-foot diameter spherical tank with a 20-foot diameter access door. This tank serves as a research test chamber where liquid hydrogen rocket fuel tanks, up to 18 feet in diameter, can be tested. During research tests, the chamber vacuum conditions are maintained, and a 10,000 pound hydraulic actuator is used to shake the rocket fuel tanks. The metal building to the right is the steam plant, required for building heating and to supply steam to a heat exchanger that is used in the research programs. The concrete building to the right and to the rear is the site control building.

2 CRYOGENIC PROPELLANT TANK SITE

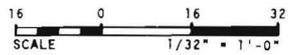
This facility is used to test propellant tank insulation systems and to determine pressurizing gas requirements during propellant outflow. The main building of this site previously housed an obsolete steam power plant. The power plant equipment was removed and replaced by a 25' diameter spherical tank with a 20' diameter access door. This tank serves as a research test chamber where liquid hydrogen rocket fuel tanks up to 18' diameter can be tested. During research tests the chamber vacuum conditions are maintained and a 10,000 pound hydraulic actuator is used to shake the rocket fuel tanks. The metal building to the right is the steam plant

required for building heating and to supply steam to a heat exchanger that is used in the research programs. The concrete building to the right and to the rear is the site control building.

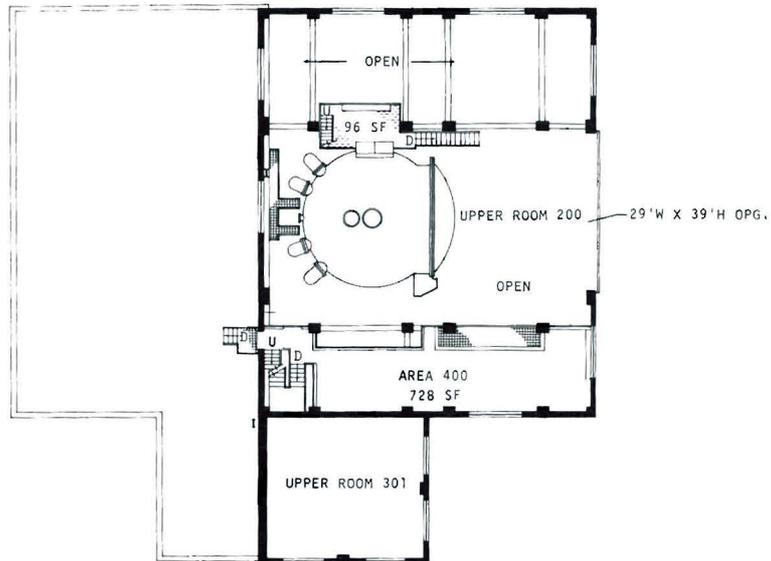




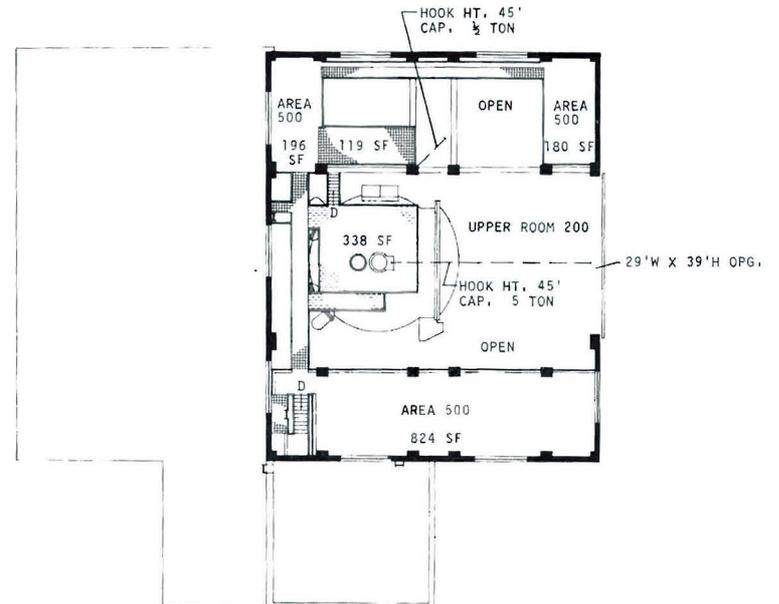
FIRST FLOOR - ELEV. 0'-0"
REF. DRWG. PF-29008



K SITE TEST BUILDING
BUILDING NO.
2811

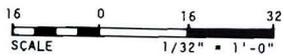


FOURTH FLOOR - ELEV. 22'-9"



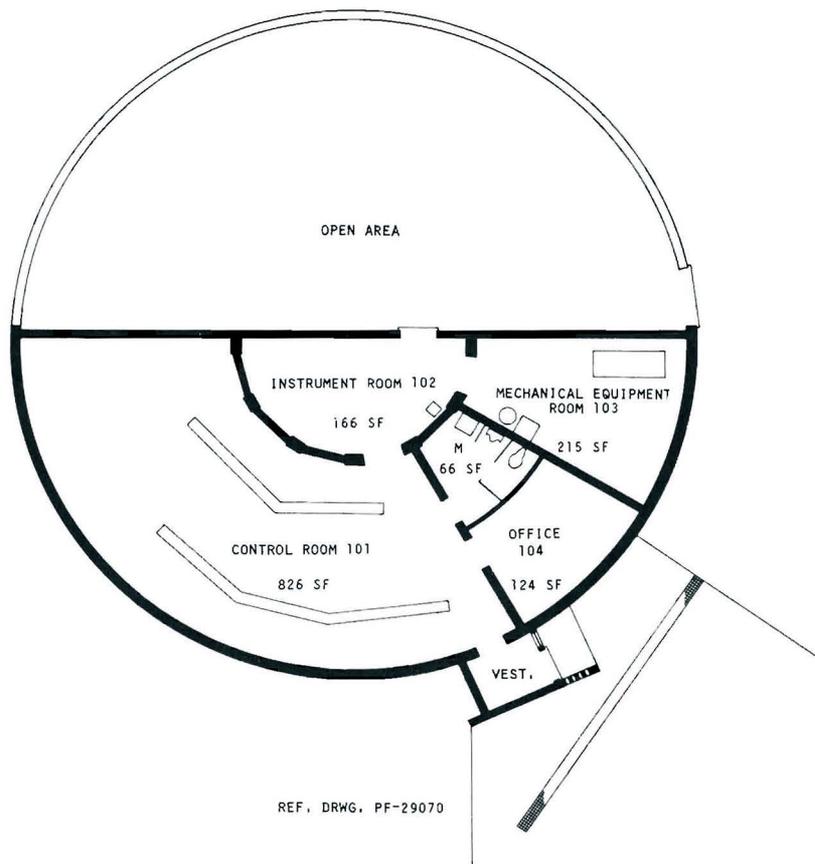
FIFTH FLOOR - ELEV. 38'-0"

REF. DRWG. PF-29079



K SITE TEST BUILDING

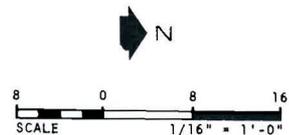
BUILDING NO.
2811

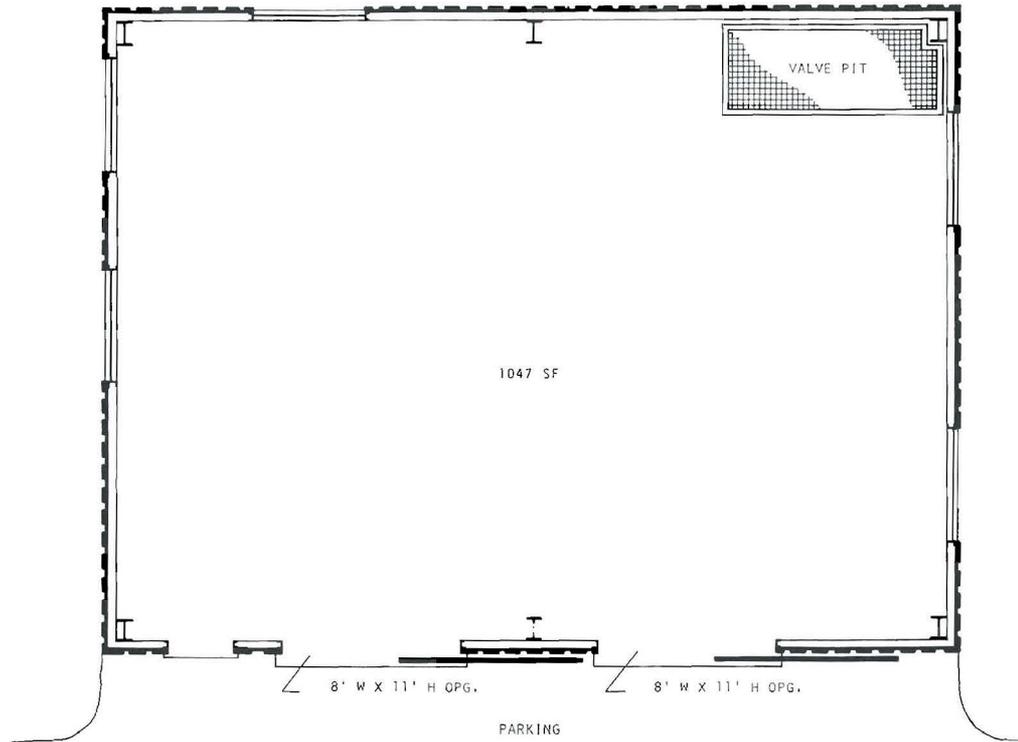


REF. DRWG. PF-29070

K SITE CONTROL BUILDING

BUILDING NO.
2812





REF. DRWG. PF-SK-670908E



K SITE BOILER HOUSE
STRUCTURE NO.
2831