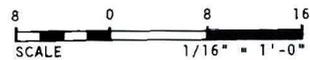
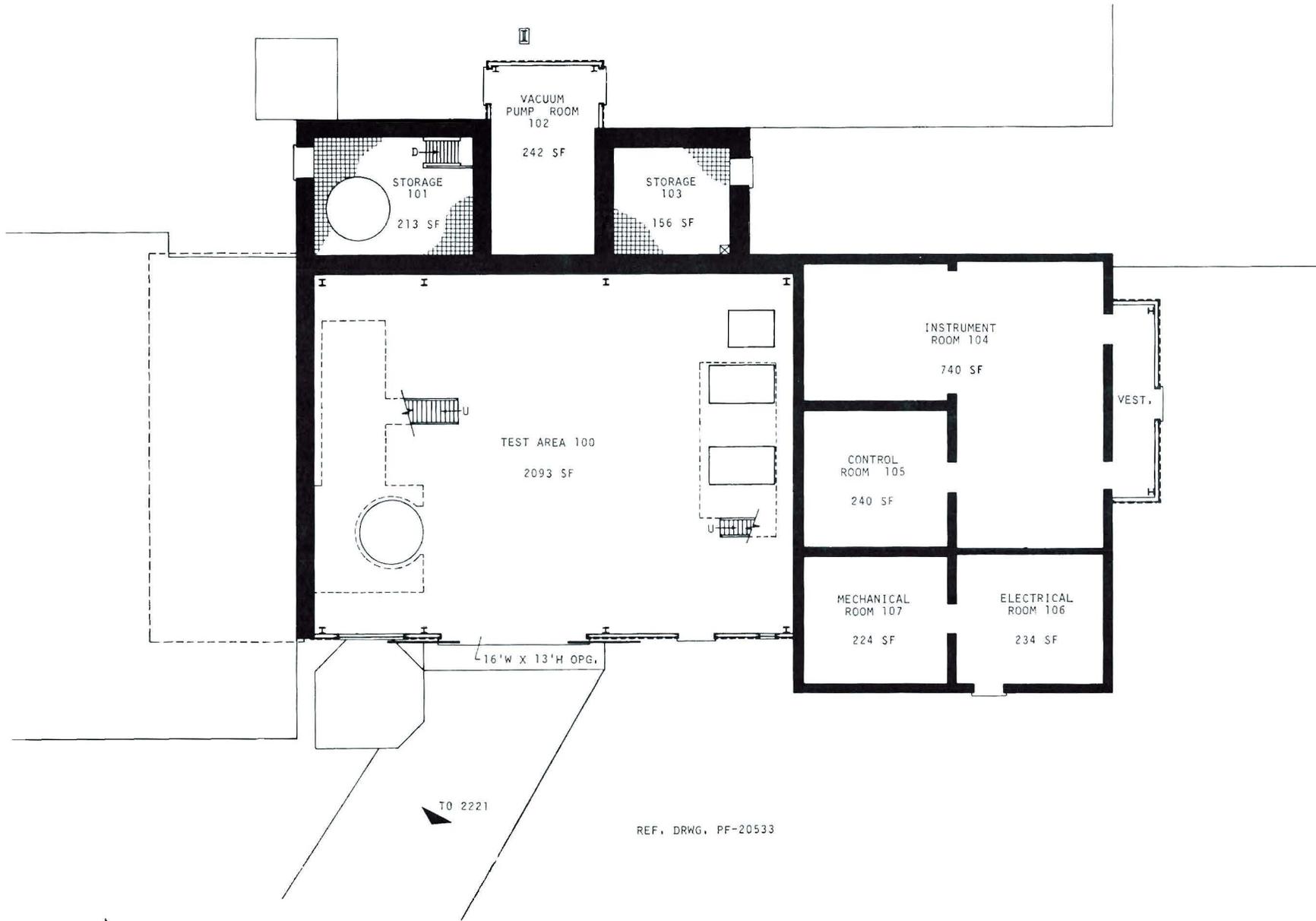


Research programs on liquid hydrogen turbo pumps and pump inducers are performed at this site.

The turbo pump is connected to portable 6000 gallon liquid hydrogen trailers thru a vacuum-jacketed stainless steel piping system. The drive turbine is powered by high-pressure hydrogen gas.

The pump inducer rig is submerged in a 2500 gallon vacuum-jacketed stainless steel liquid hydrogen tank. The inducer is driven by an air turbine which is located on the outside of the tank. A shaft through the bottom of the tank connects the turbine to the inducer.

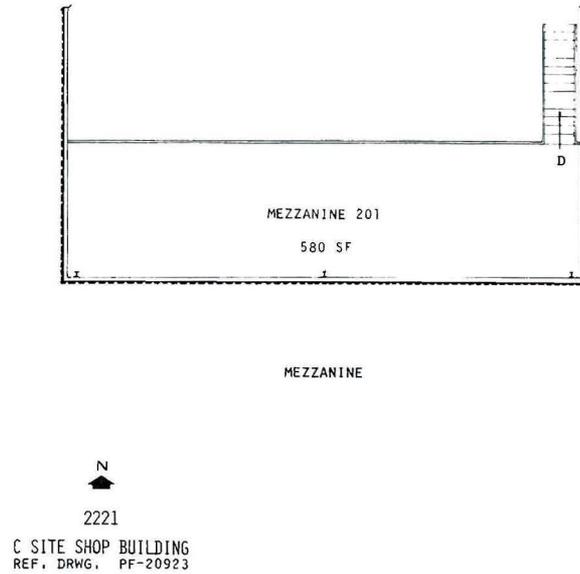
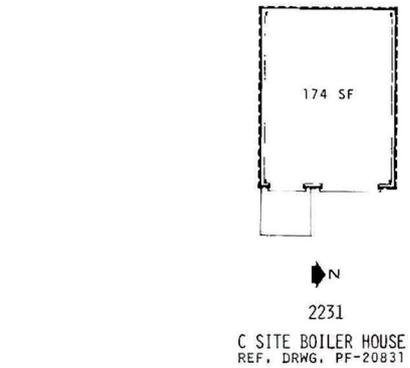
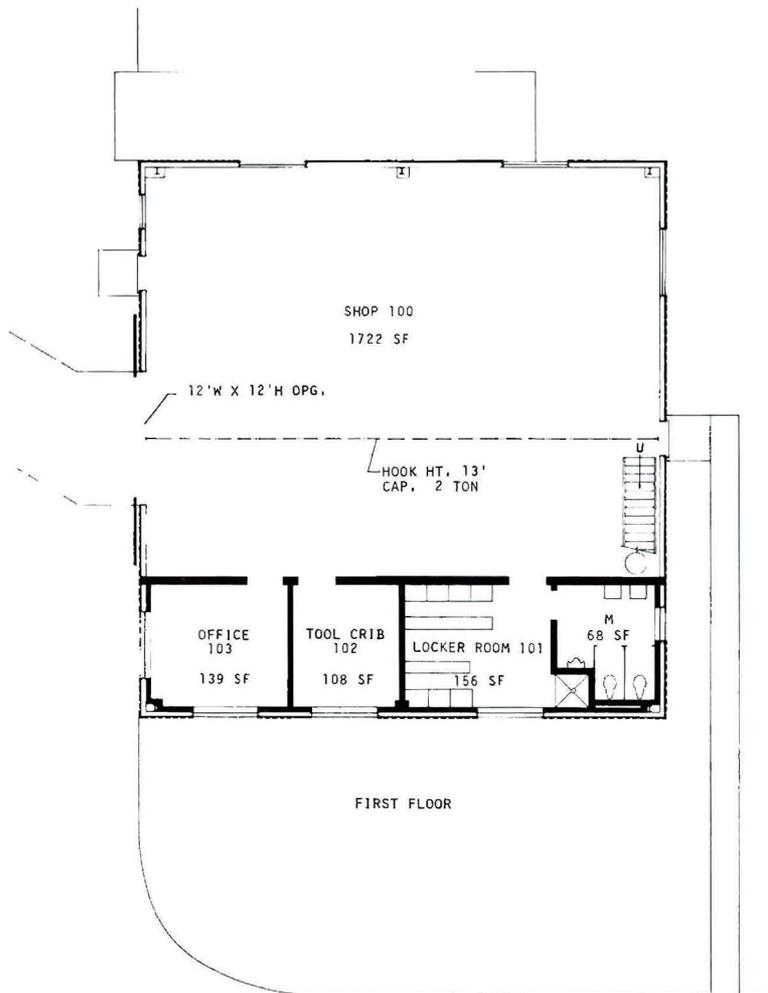
One of the projects being investigated is the development of a pump that will operate efficiently in boiling hydrogen. This data is needed to design efficient pumps for nuclear rocket applications.



C SITE TEST BUILDING

BUILDING NO.
2211

REF. DRWG. PF-20533



C SITE SHOP BUILDING AND BOILER HOUSE

BUILDING NO. & STRUCTURE NO.
2221 & 2231

