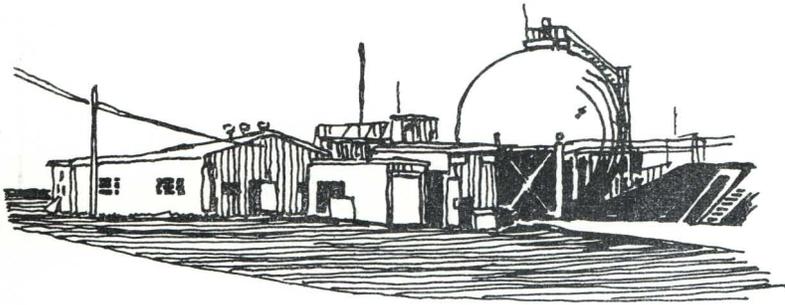


## ROCKET SYSTEMS TEST SITES

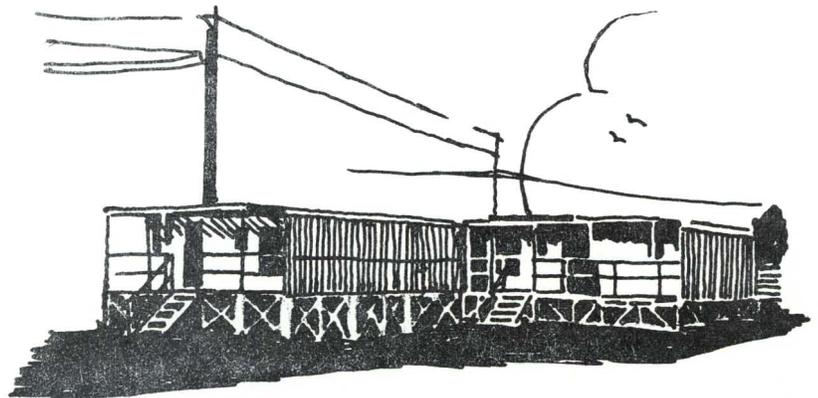


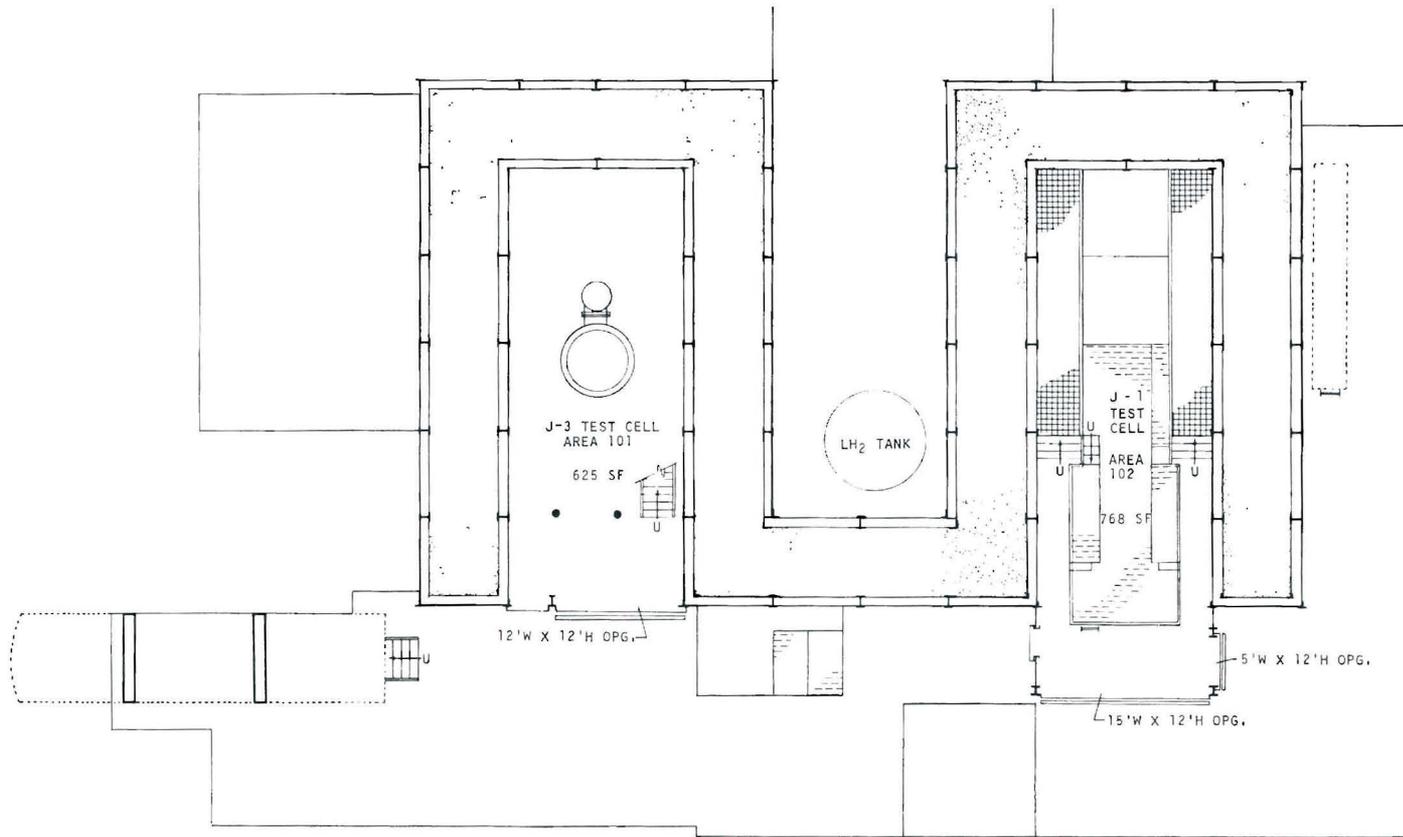
In this area, hydrogen-oxygen rocket engines are fired and data is obtained on heat transfer between the hot gases and the nozzle walls. Also, studies are made on heat transfer from the nozzle wall to the liquid hydrogen used to cool the nozzle. This heat transfer research is being done to support the development of nozzles for nuclear rocket engines.

Also located in this area is a space environment tank, where various types of liquid hydrogen propellant tanks can be tested at space conditions. Various types of tank insulations are being studied.

The 38-foot diameter steel containment vessel is a hydraulics laboratory used to test liquid fluorine and liquid oxygen under pressures up to 1200 pounds per square inch.

CONTROL AREA

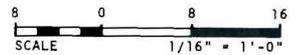


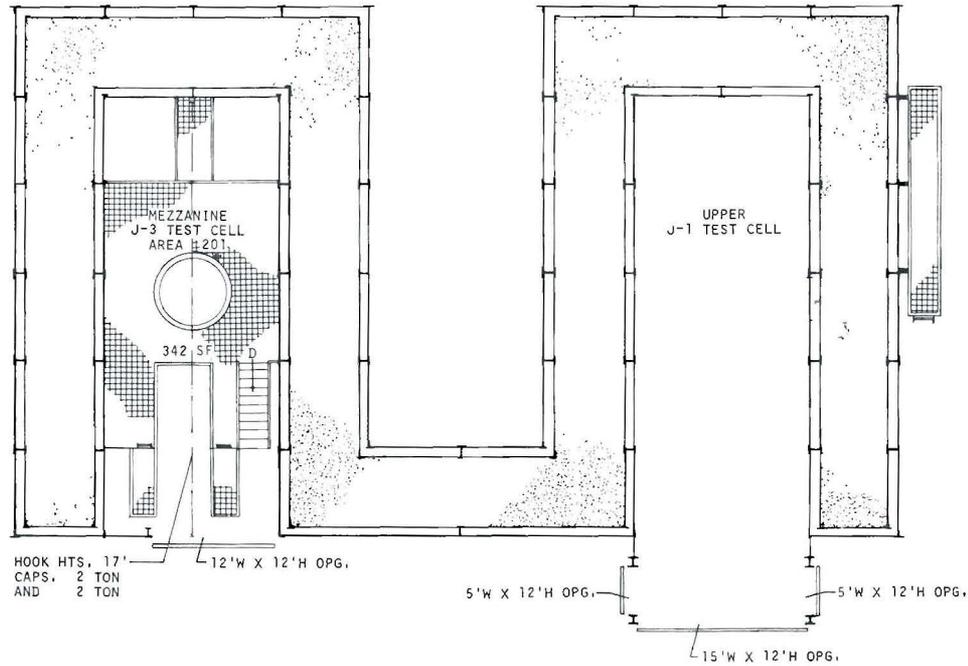


FIRST FLOOR  
REF. DRWG. PF-20946

### J SITE J1 AND J3 TEST BUILDING

BUILDING NO.  
2711

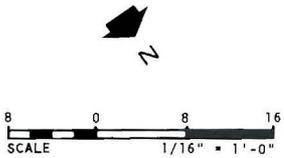


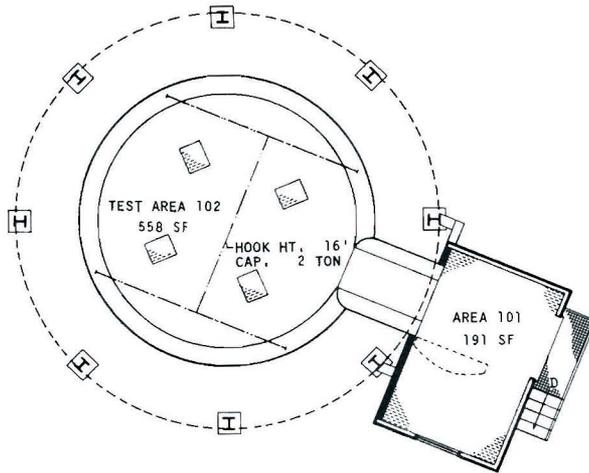


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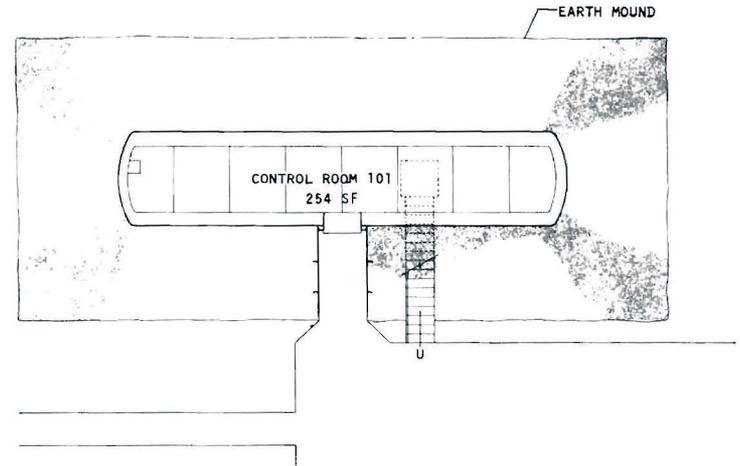
J SITE J1 AND J3 TEST BUILDING

BUILDING NO.  
2711





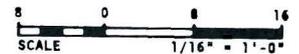
2713  
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REF. DRWG. PD-22575

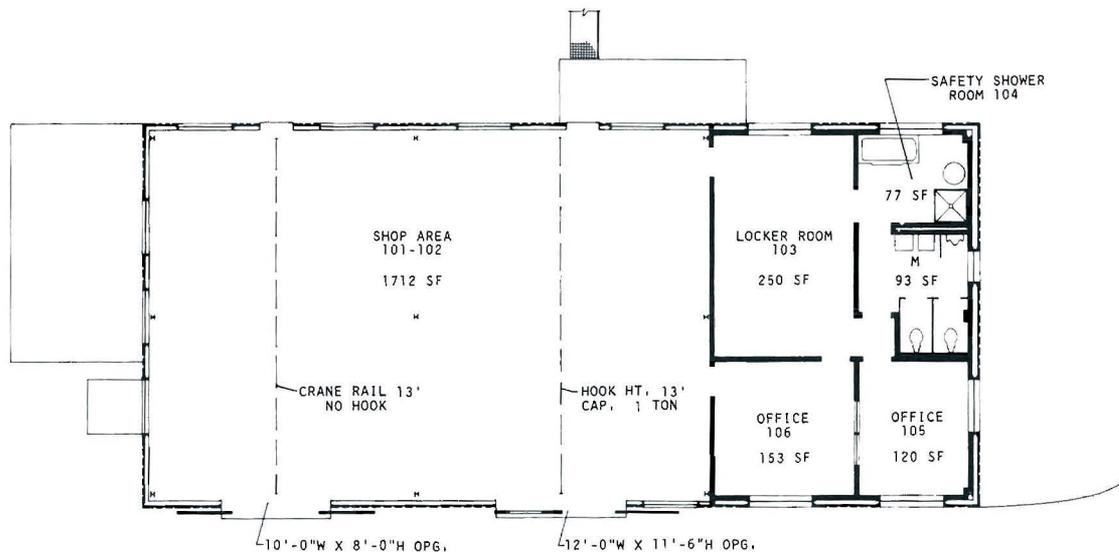


2714  
J SITE J5 CONTROL TANK  
REF. DRWG. PF-22567

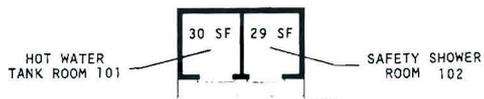
J SITE J5 TEST BUILDING AND J5 CONTROL TANK

STRUCTURE NOS.  
2713 & 2714

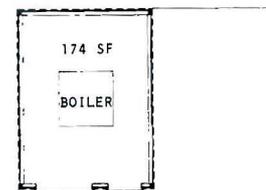




2721  
J SITE SHOP  
REF. DRWG. PF-20942

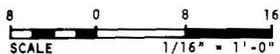


2731  
J SITE SAFETY SHOWER BUILDING  
REF. DRWG. PF-SK-670908C

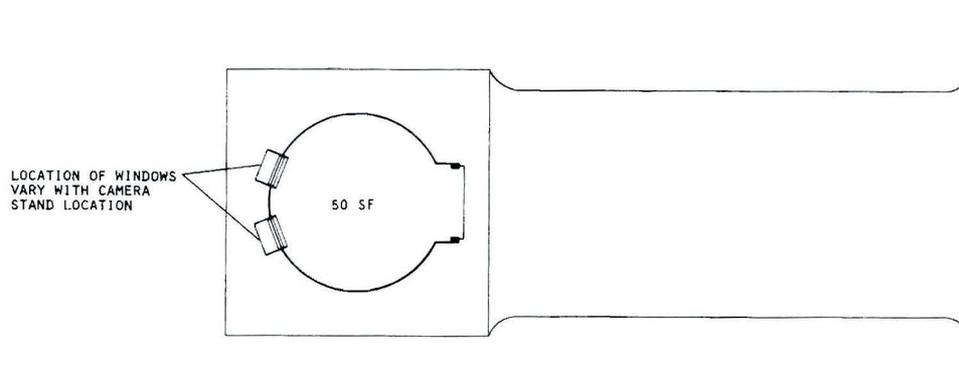


2732  
J SITE BOILER HOUSE  
REF. DRWG. PF-22584

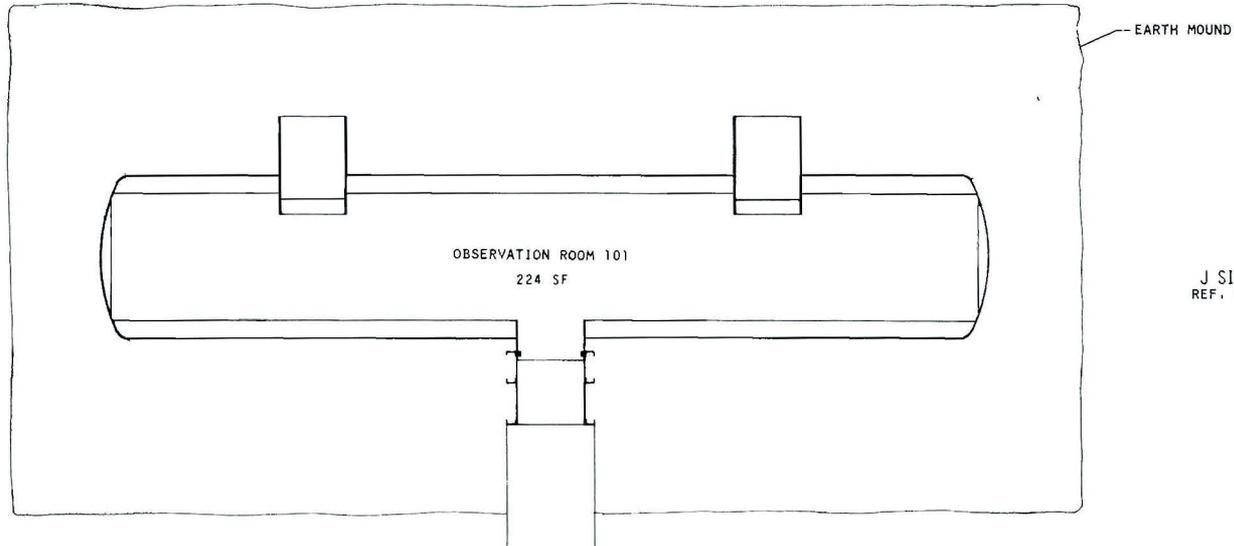
**J SITE SHOP, SAFETY SHOWER BUILDING AND BOILER HOUSE**



BUILDING NOS. & STRUCTURE NO.  
2721 & 2731 & 2732



2791  
J SITE CAMERA STANDS  
(1, 2 & 3)  
REF. DRWG. PF-SK-670909



2792  
J SITE OBSERVATION TANK  
REF. DRWG. PF-SK-670908D

J SITE CAMERA STANDS (1, 2 & 3) AND OBSERVATION TANK

STRUCTURE NOS.  
2791 & 2792

