

Launch Operations





INST 154

Apollo at 50

[Stacking Apollo 13 in the VAB](#)

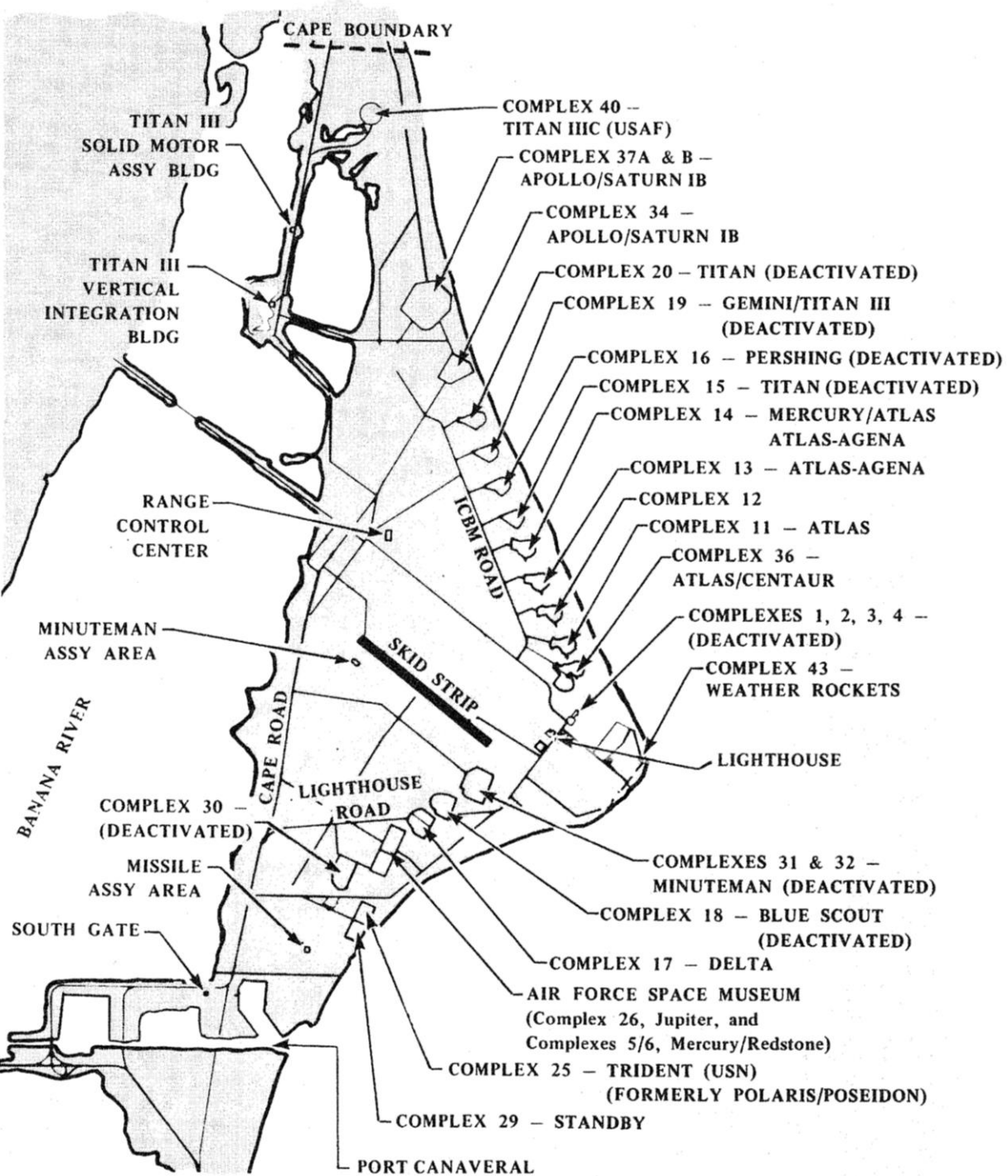
Mid-Semester Feedback (as of 3 PM today)

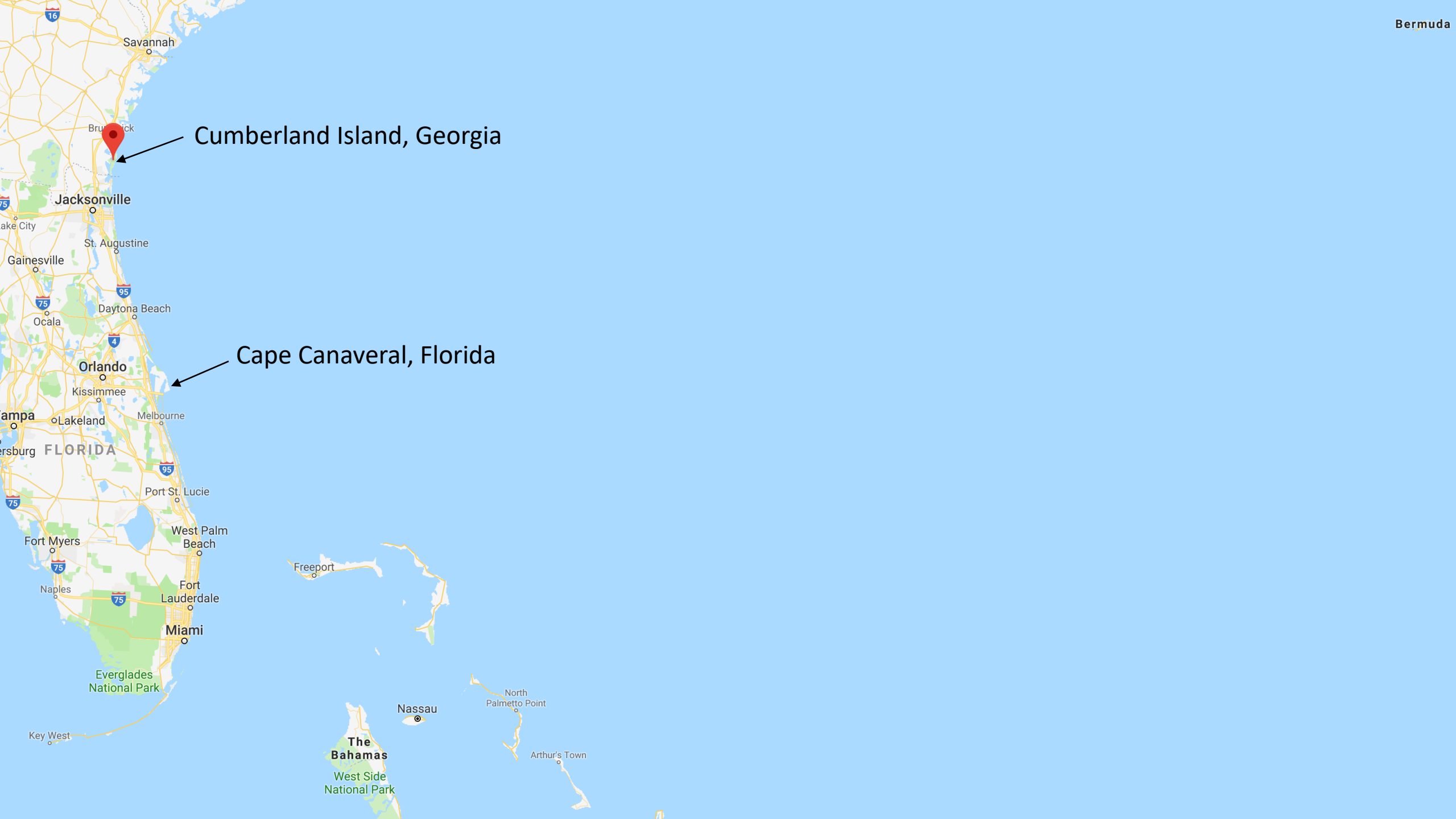
- Some things we can do
 - Rubric in advance for every assignment
 - Preview reading assignments for next class
- Some things we might do
 - Mix up the table activities somehow
- Some things you can do
 - Preview the questions

The assigned readings and videos	11 respondents	33 %	
The lectures	30 respondents	91 %	
The discussion group sessions	19 respondents	58 %	
The case study assignment	16 respondents	48 %	

Some Big Questions

- Where to launch from
 - Florida or Georgia?
- Where to assemble the rocket
 - On the pad or in a separate building (with vertical or horizontal transport)?
- How to check out the rocket and the spacecraft
 - Manual or automatic?
 - On the pad, in some other place, or in parts in different places?
- How will range safety be assured?





Cumberland Island, Georgia

Cape Canaveral, Florida

The Bahamas

West Side National Park

FLORIDA

Savannah

Brunswick

Jacksonville

St. Augustine

Gainesville

Ocala

Daytona Beach

Orlando

Kissimmee

Melbourne

Lakeland

Tampa

Sebring

Port St. Lucie

West Palm Beach

Fort Myers

Fort Lauderdale

Miami

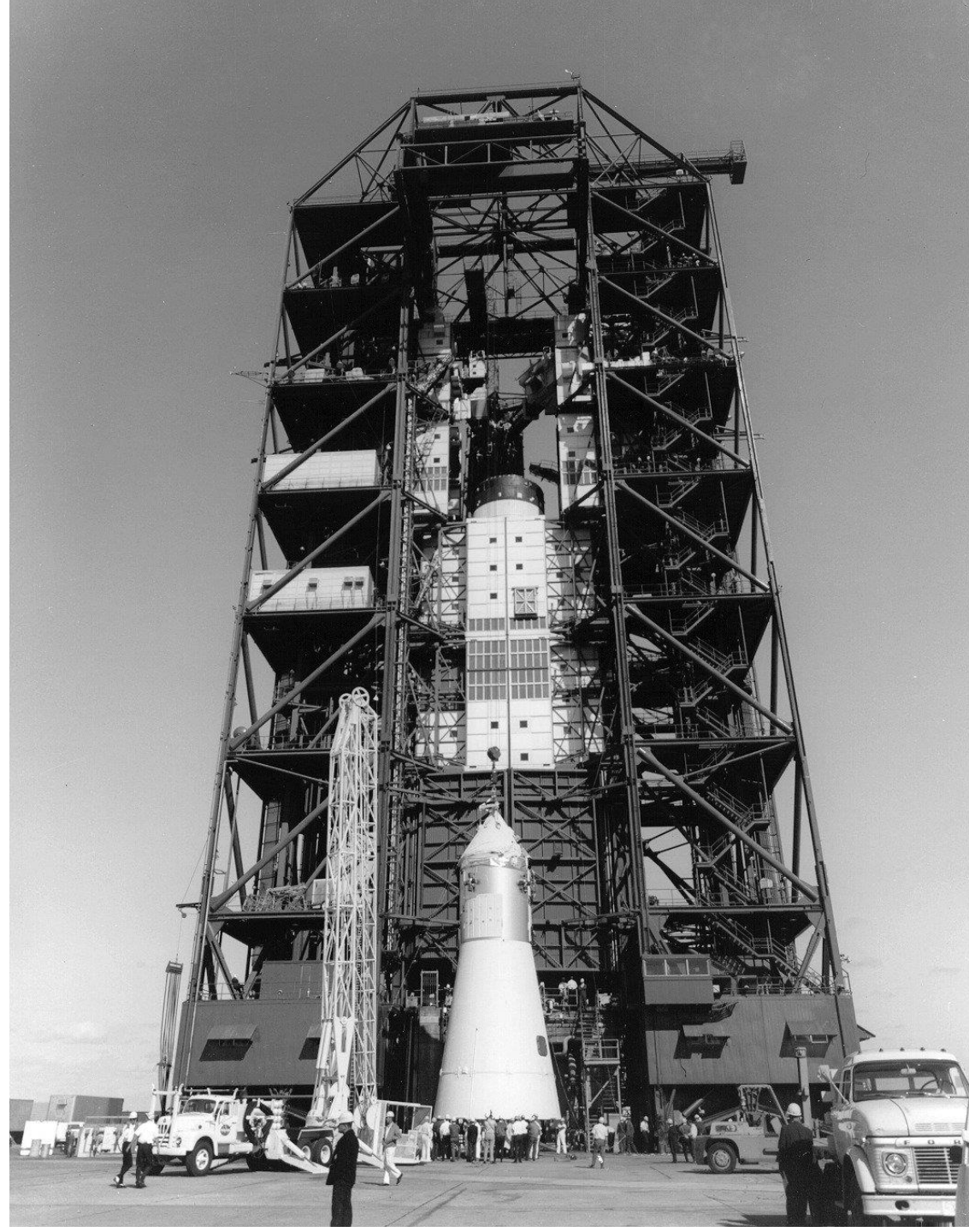
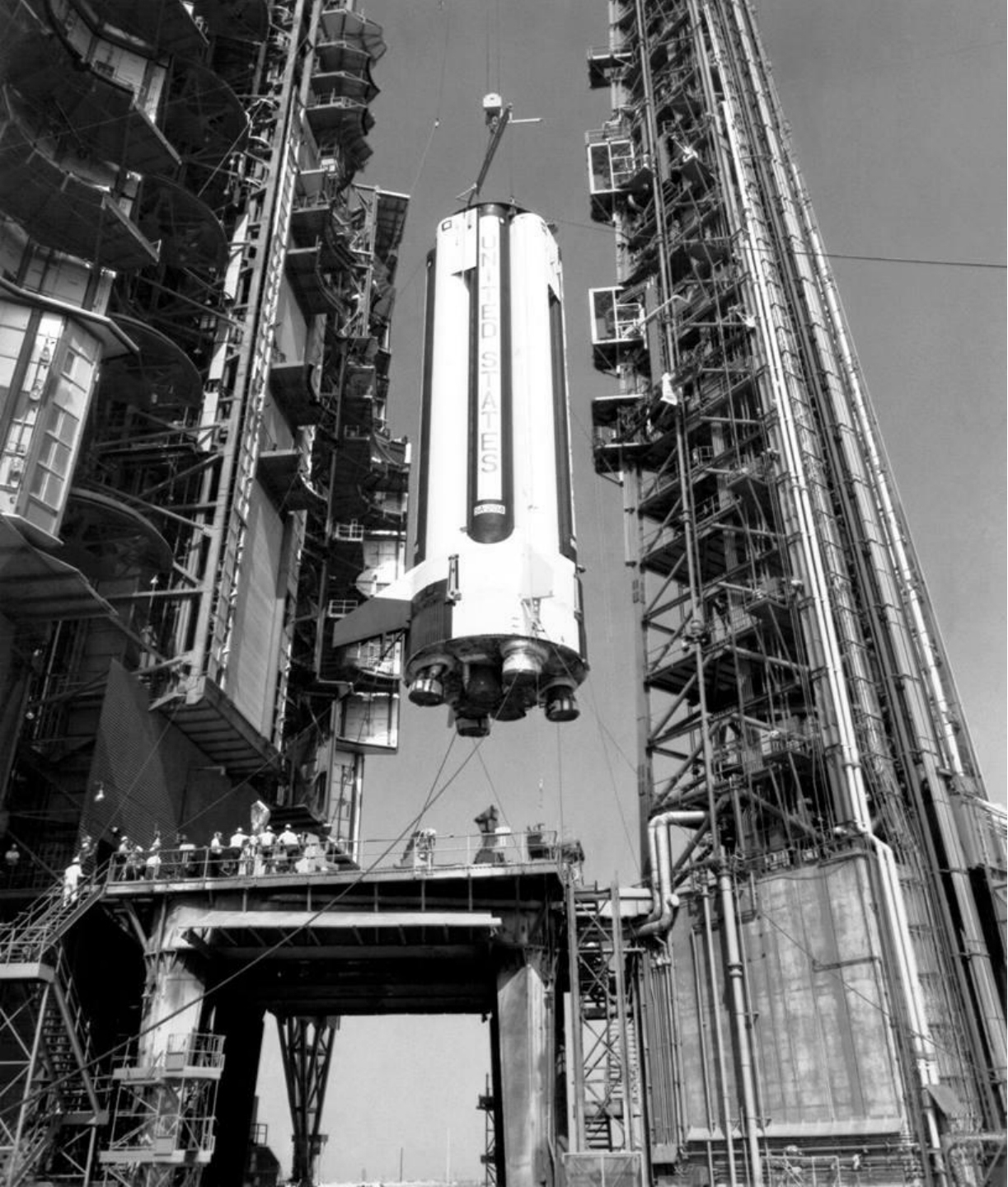
Key West

Nassau

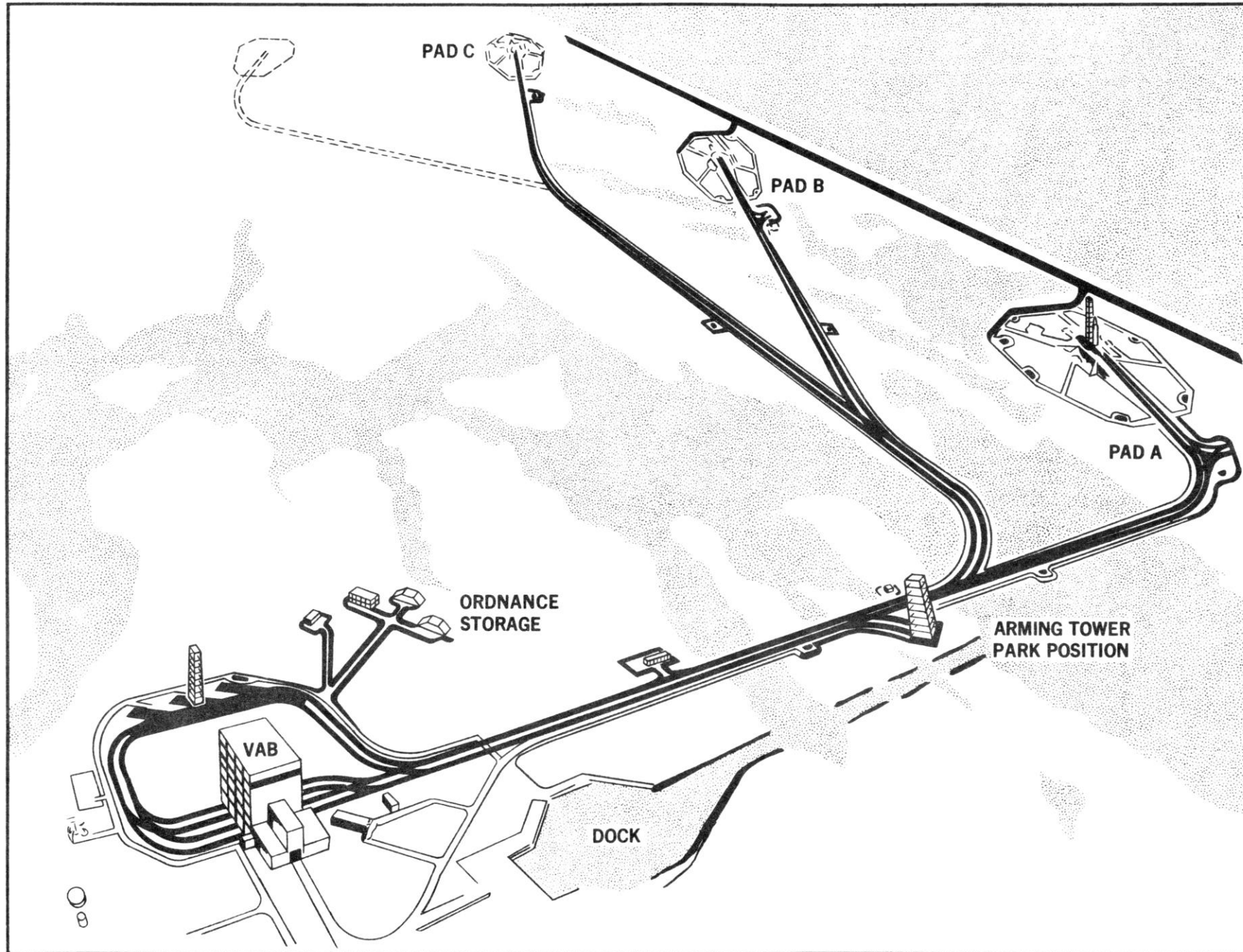
North Palmetto Point

Arthur's Town

Freeport



SATURN V LAUNCH COMPLEX 39









**MSOB
High Bay**

**MSOB
Low Bay**

**ACE
Rooms**

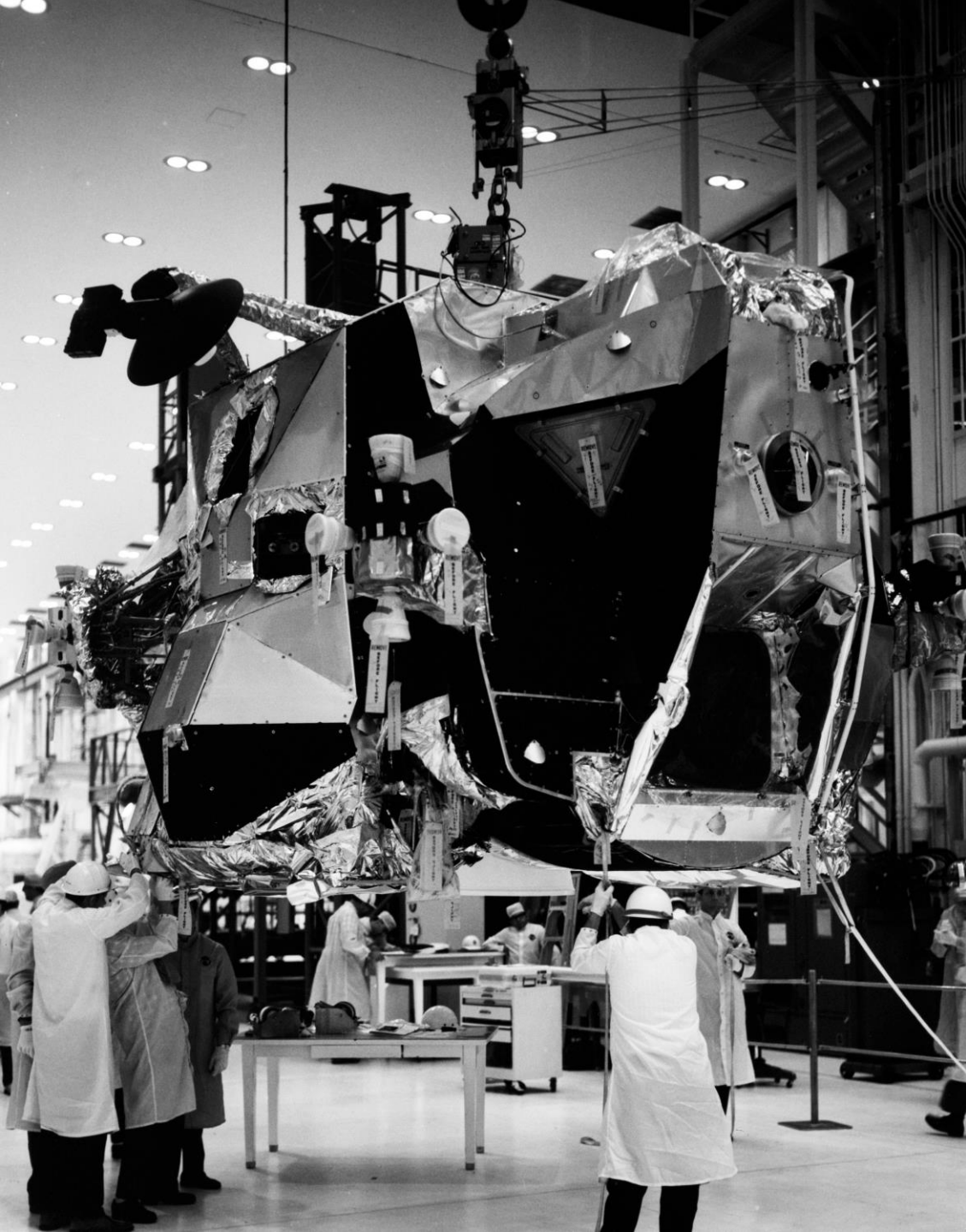
**Astronaut
Quarters**

**KSC
HQ**

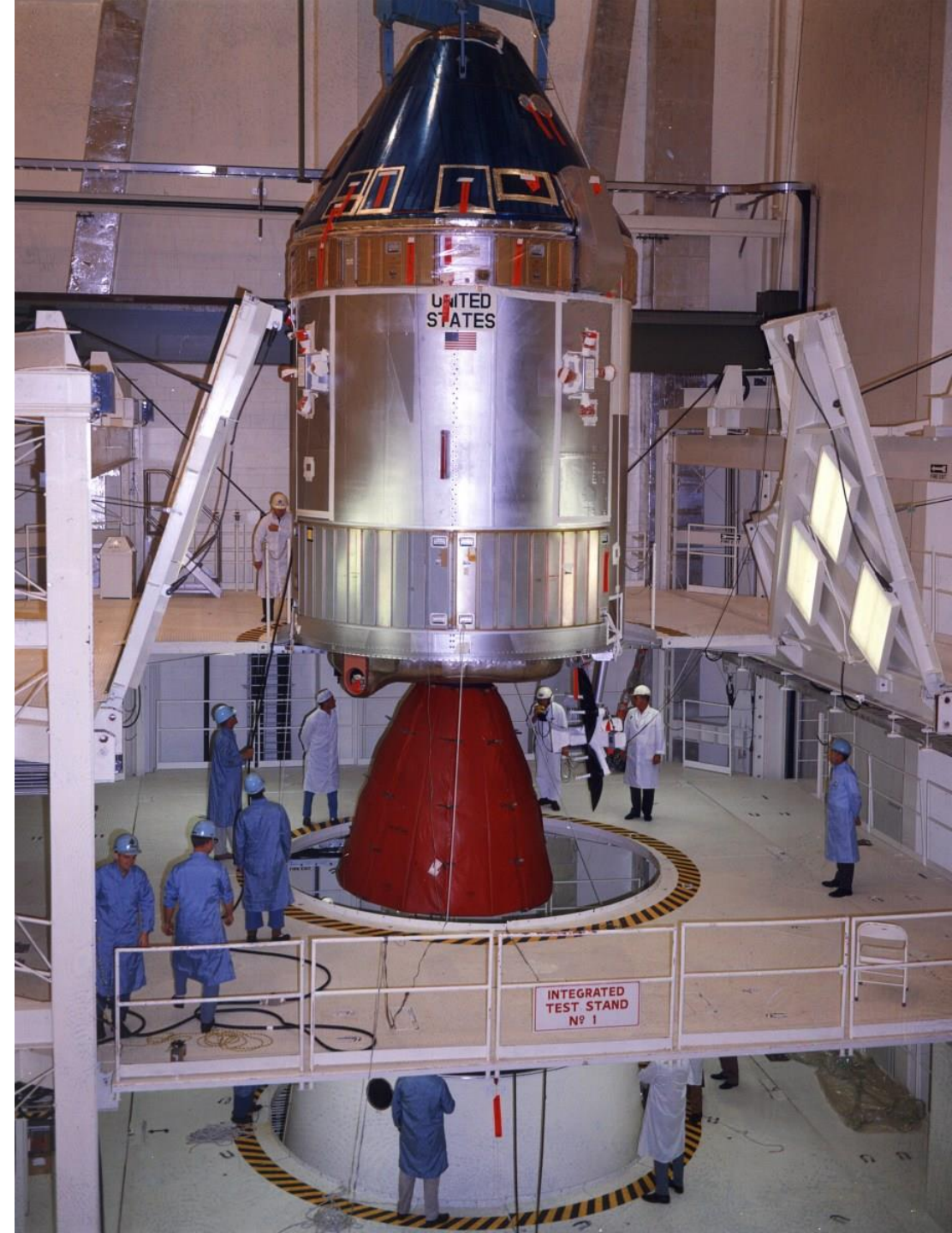
CIF

**MSOB
Offices**

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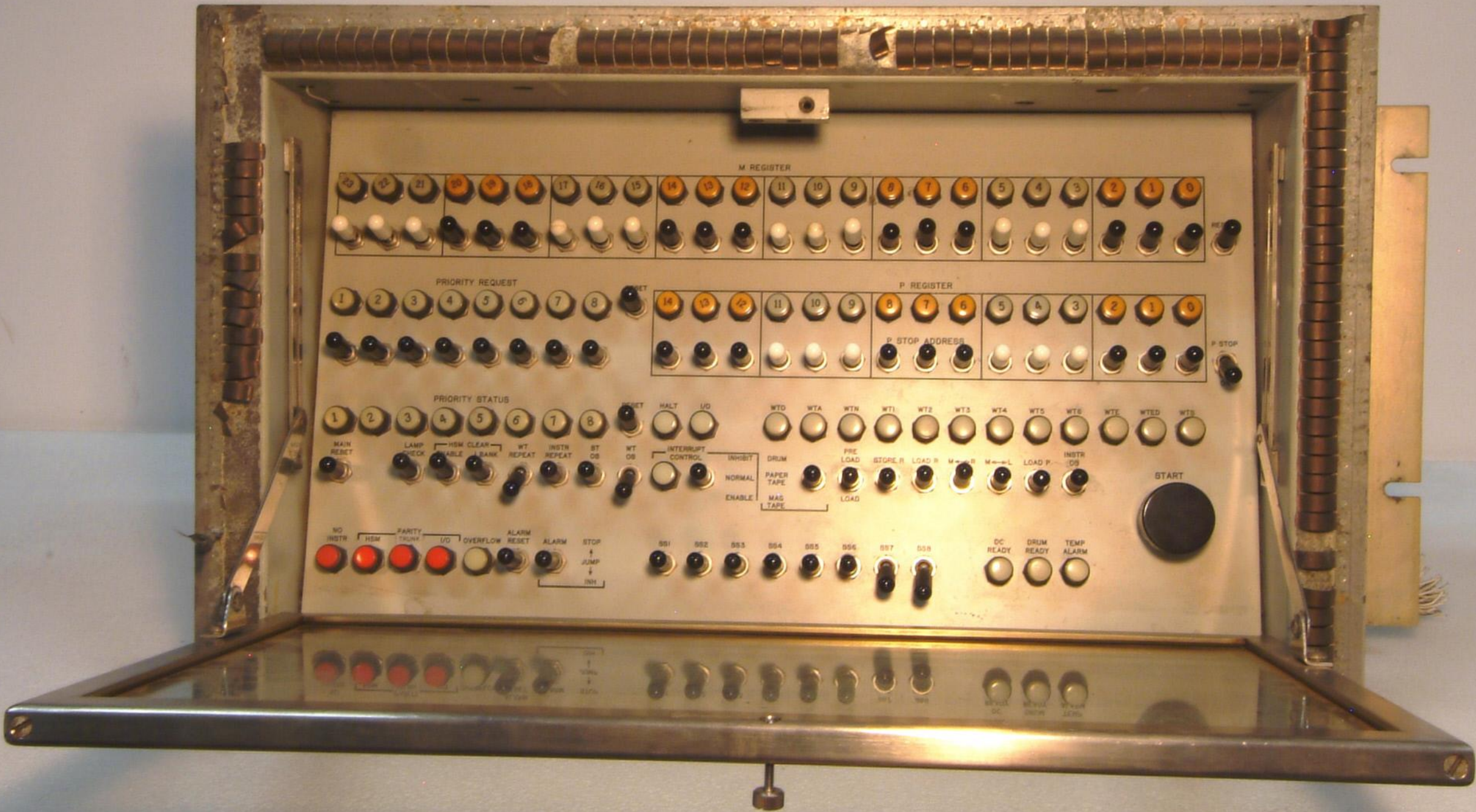




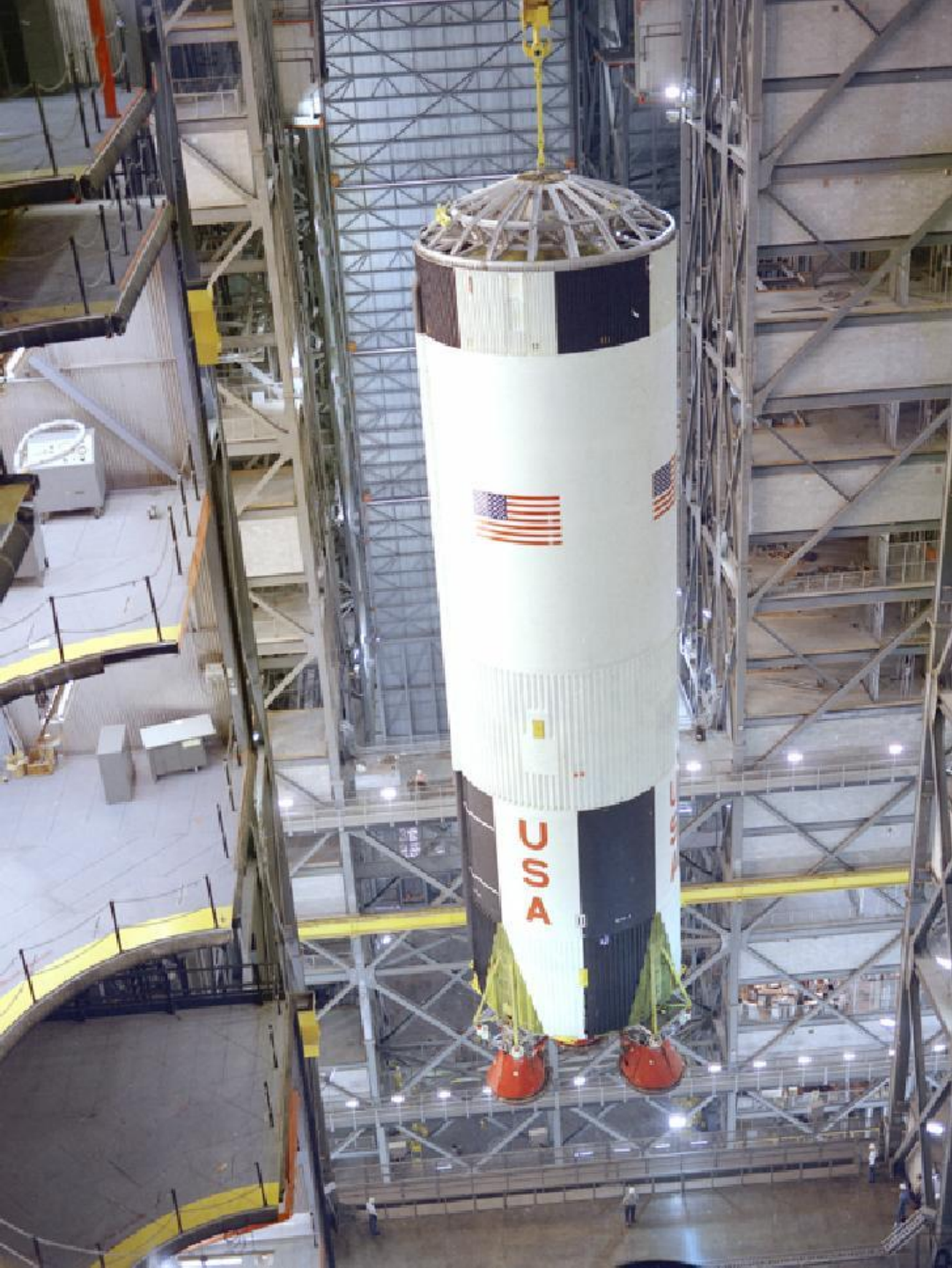


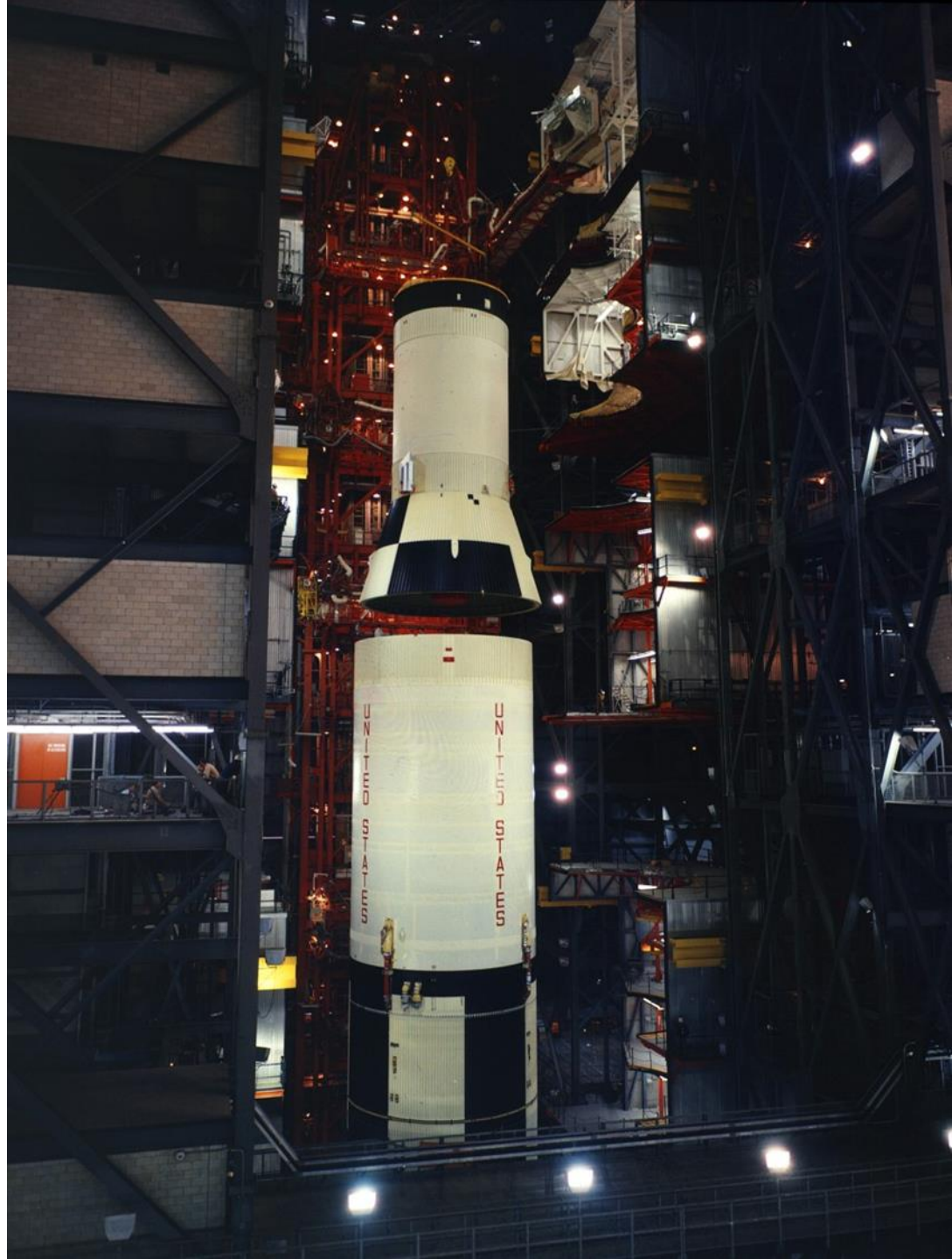
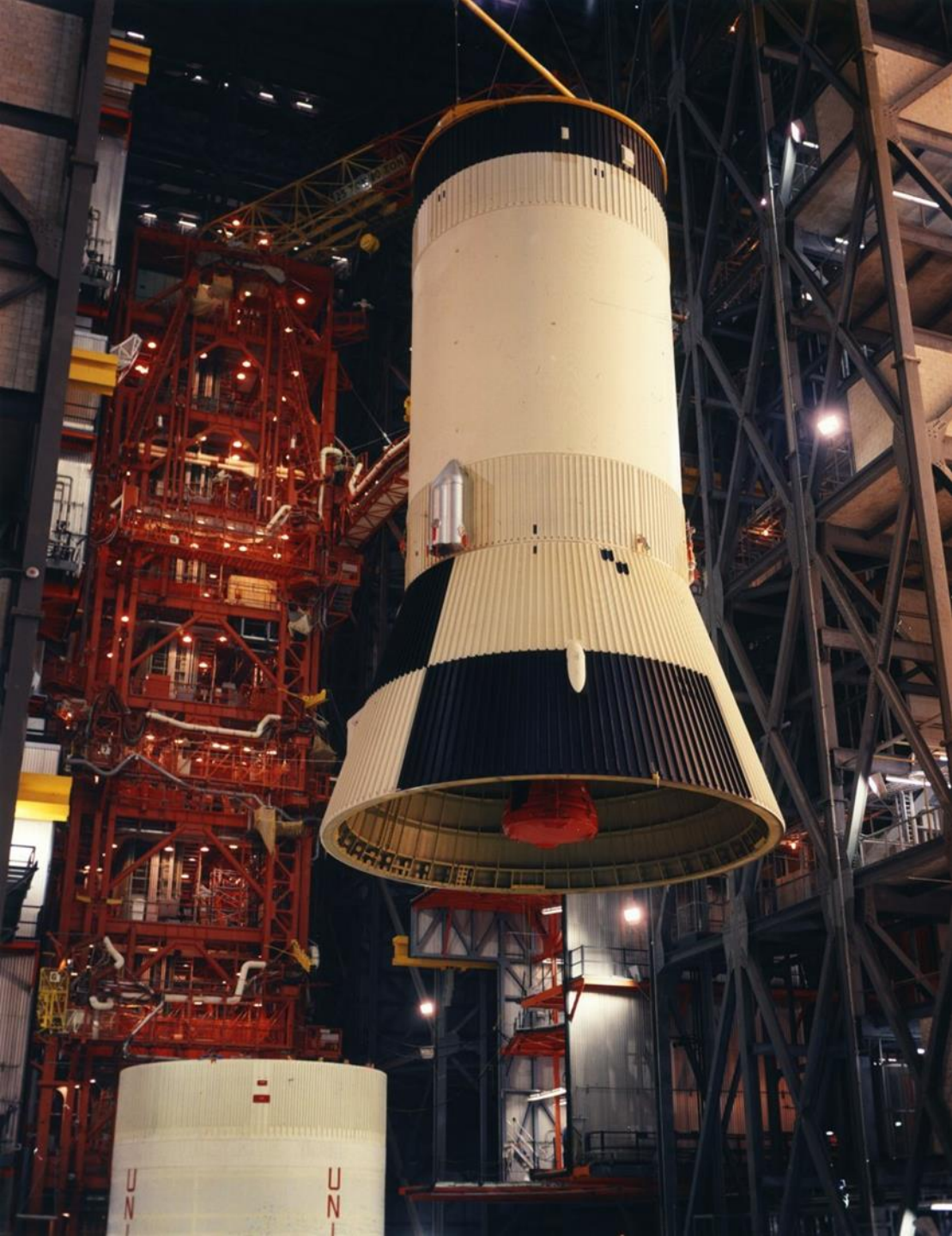


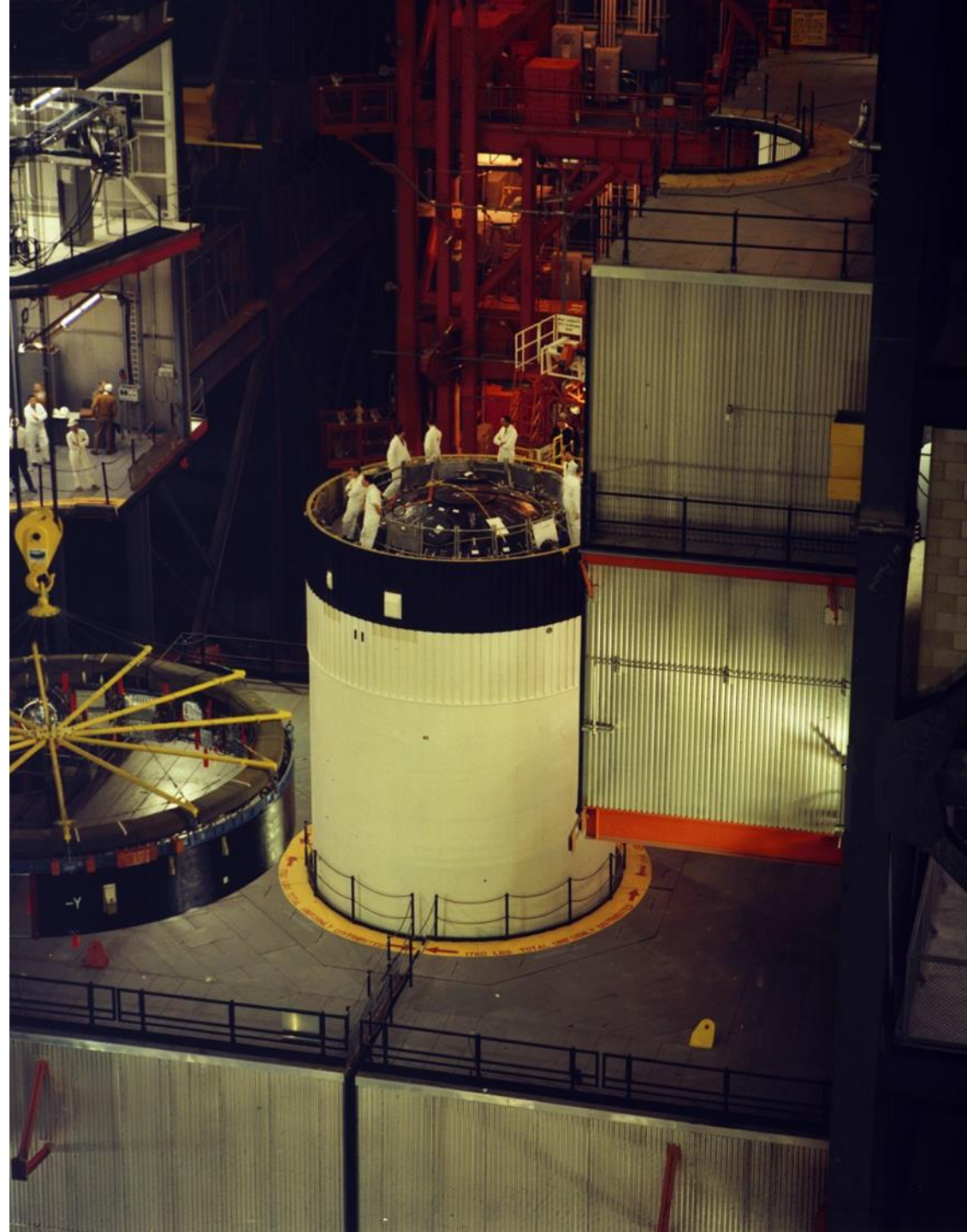


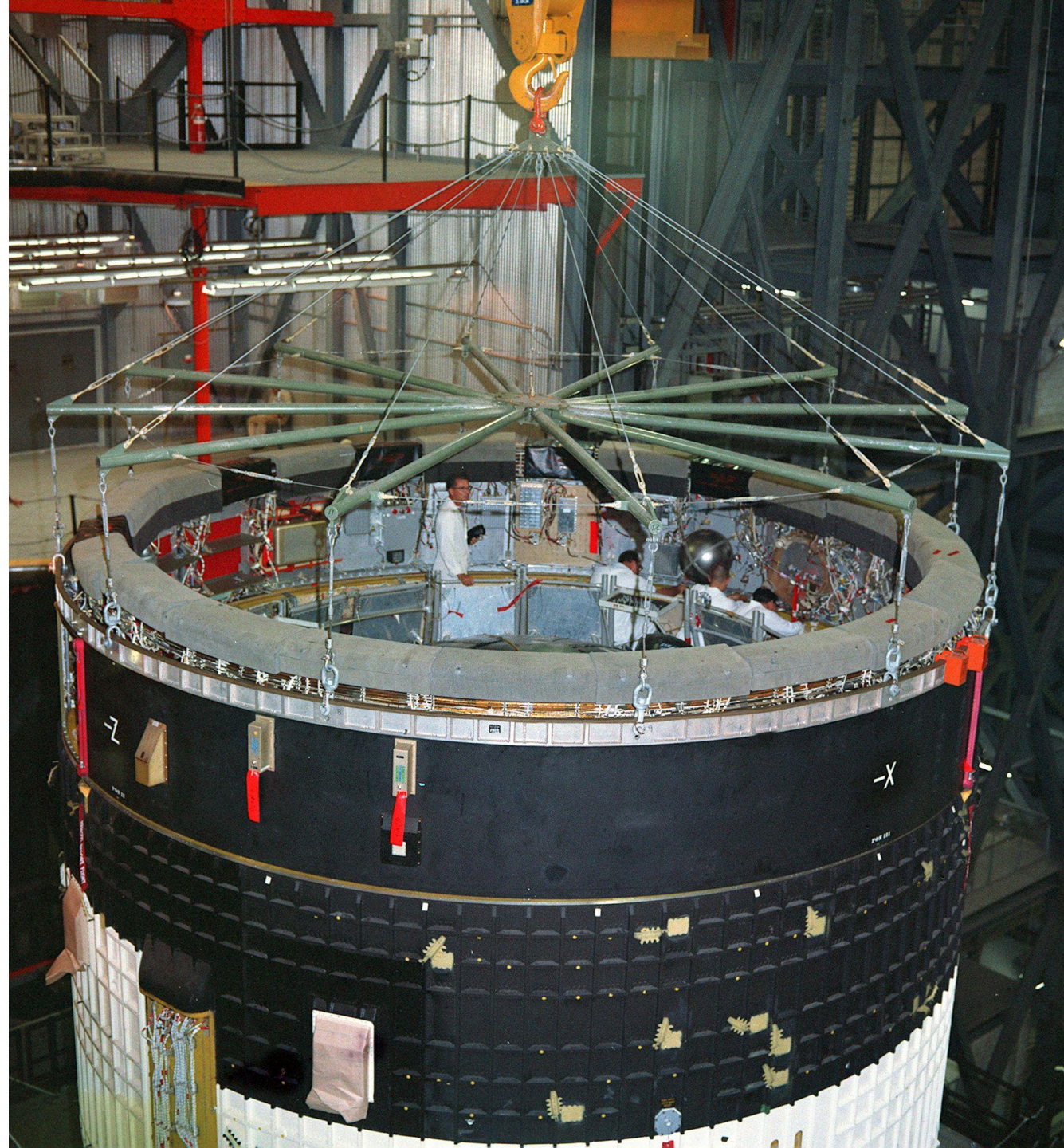


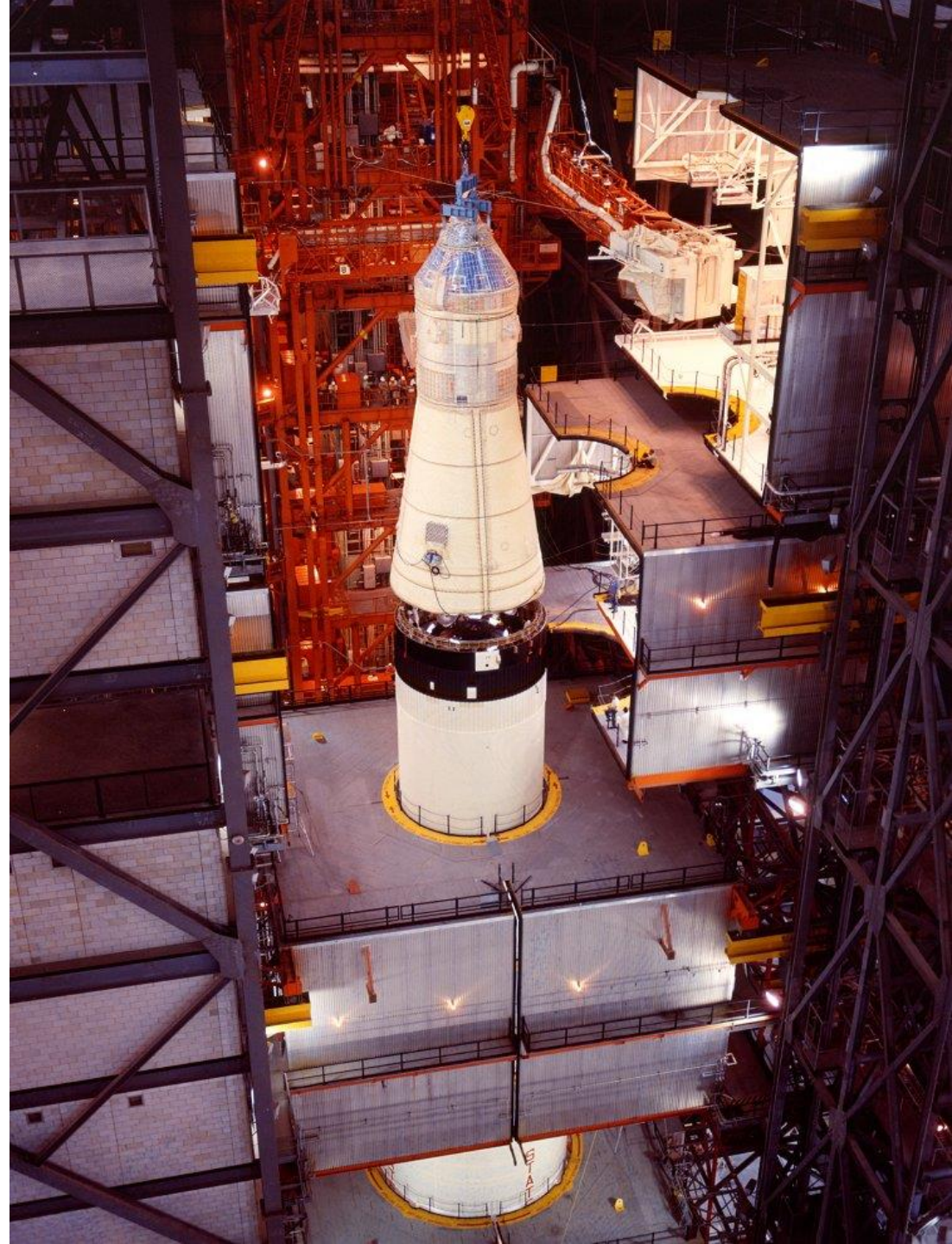


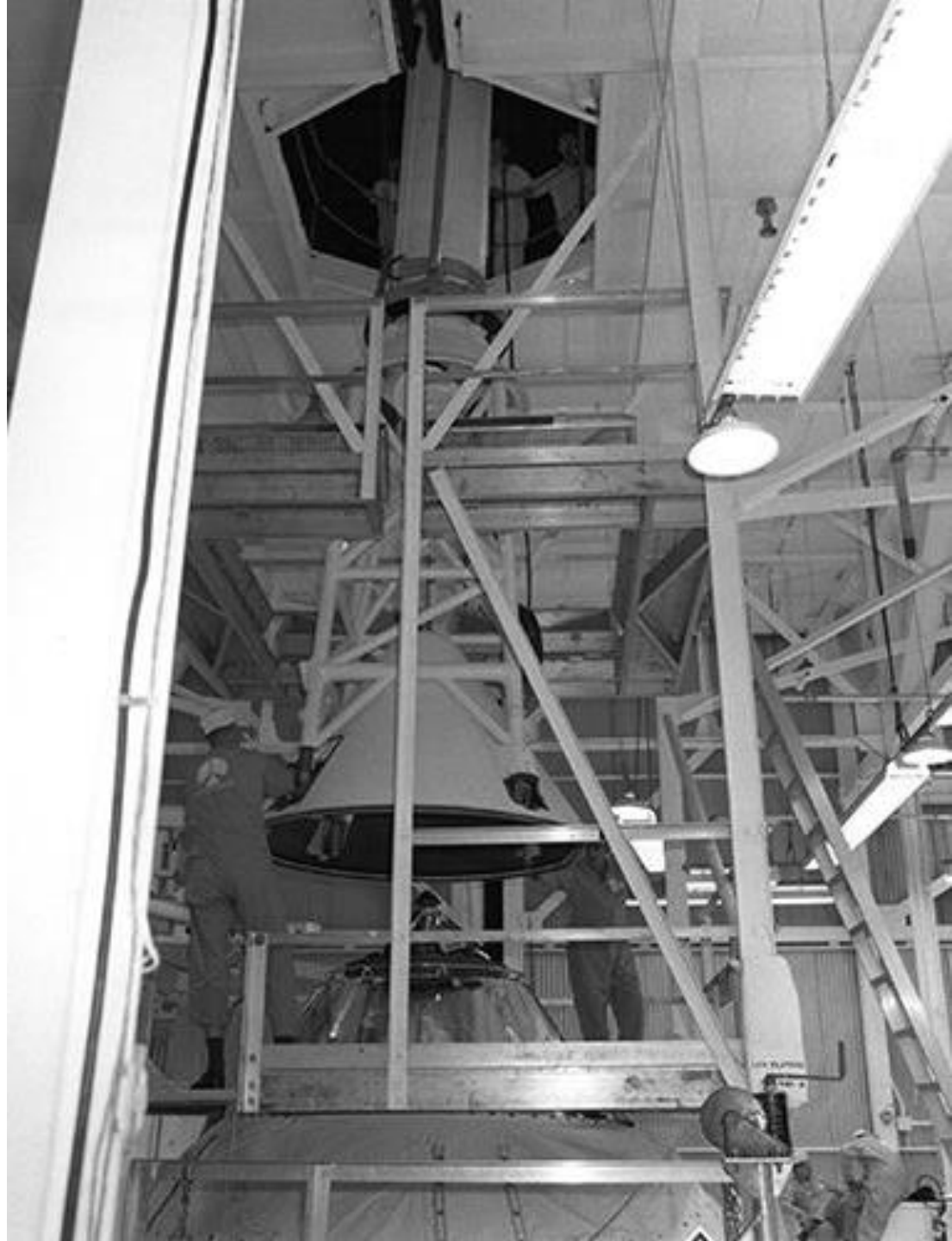
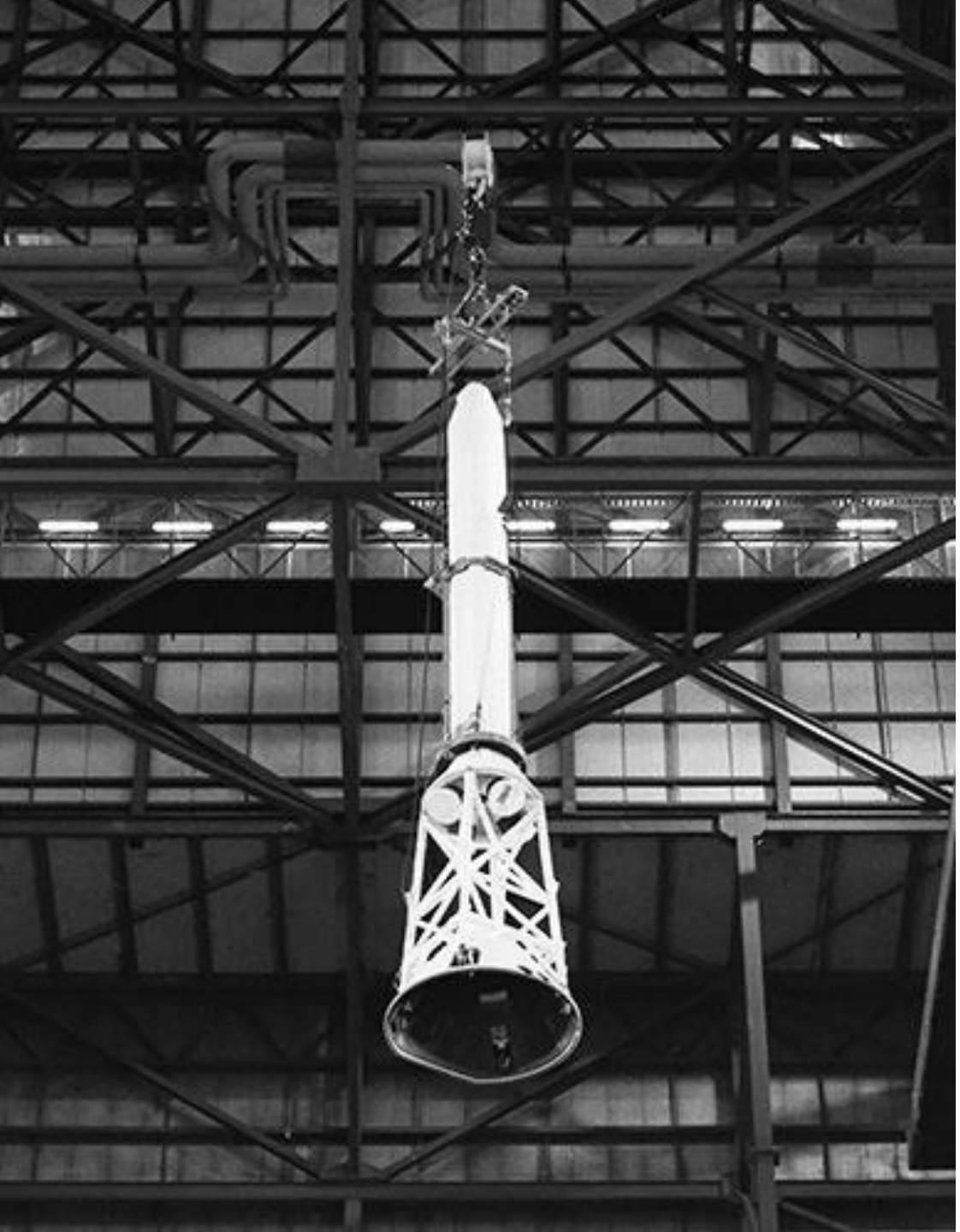






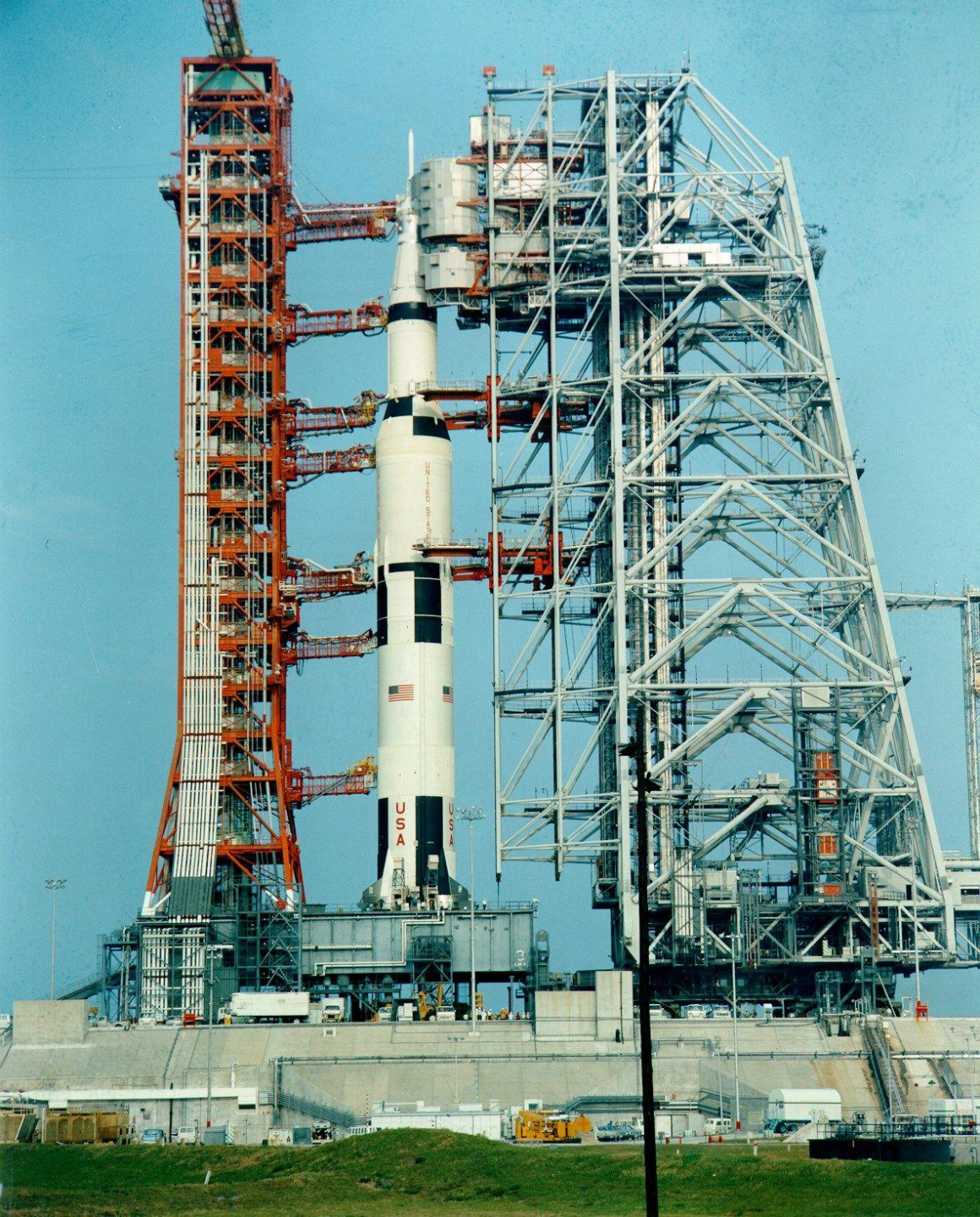


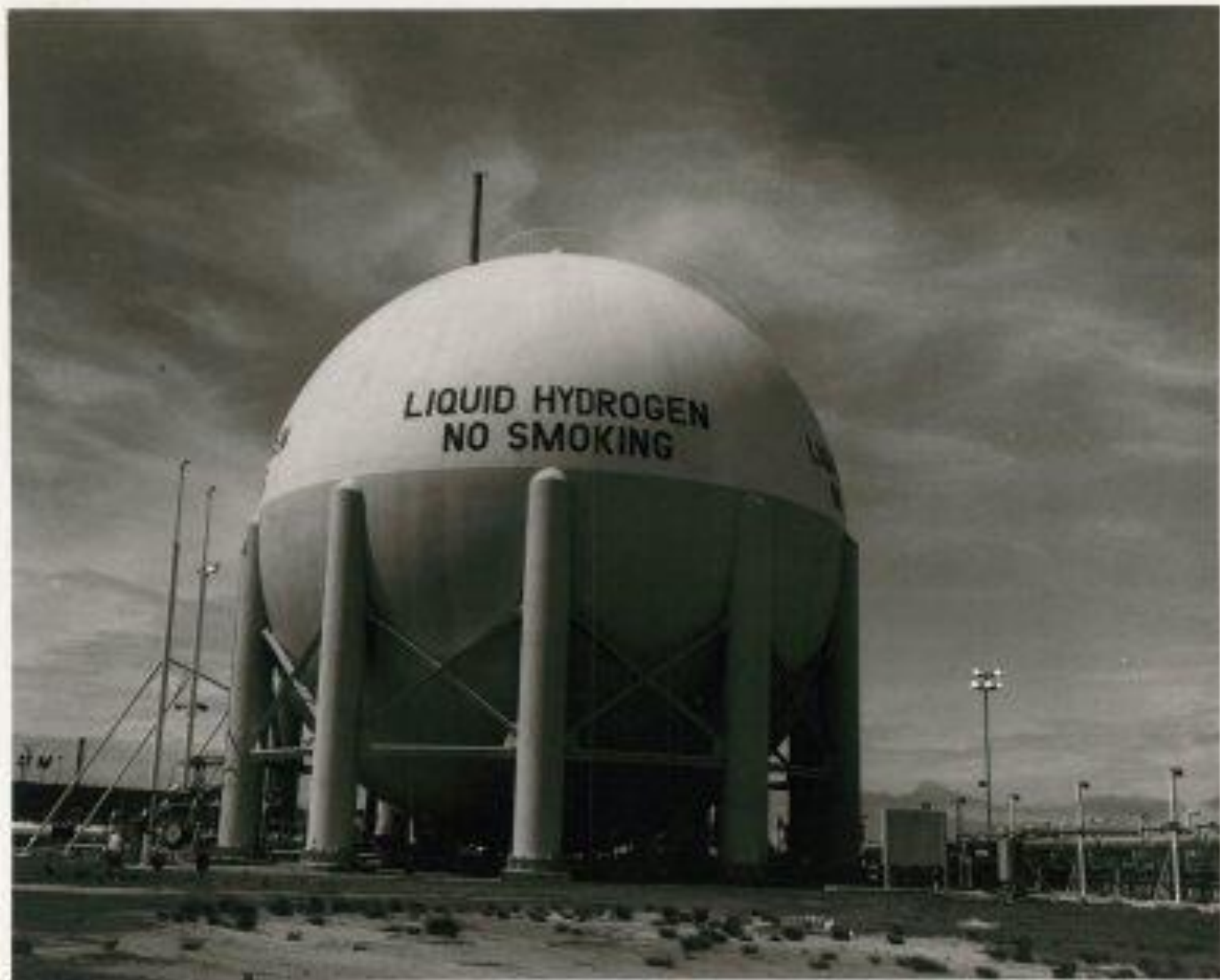


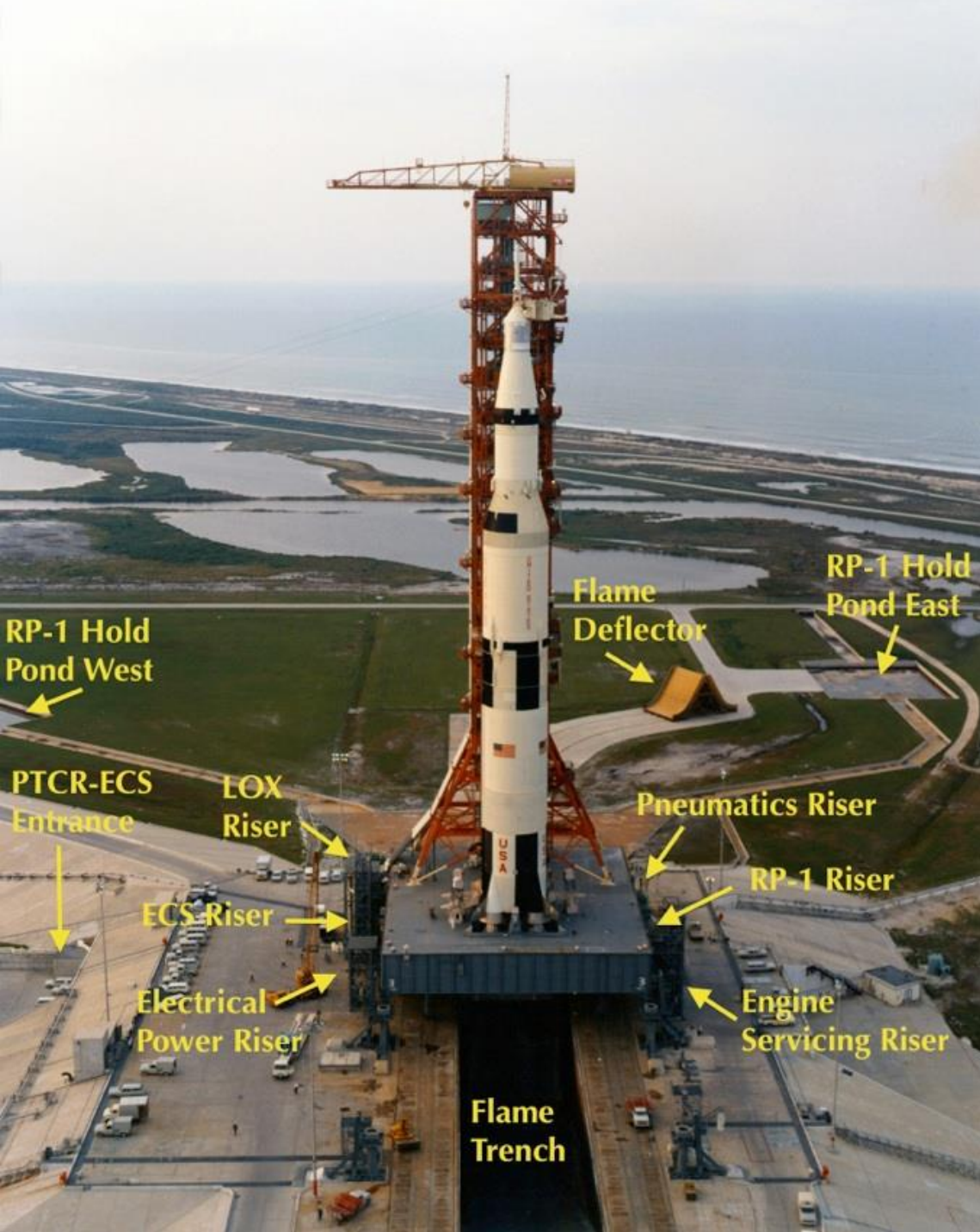




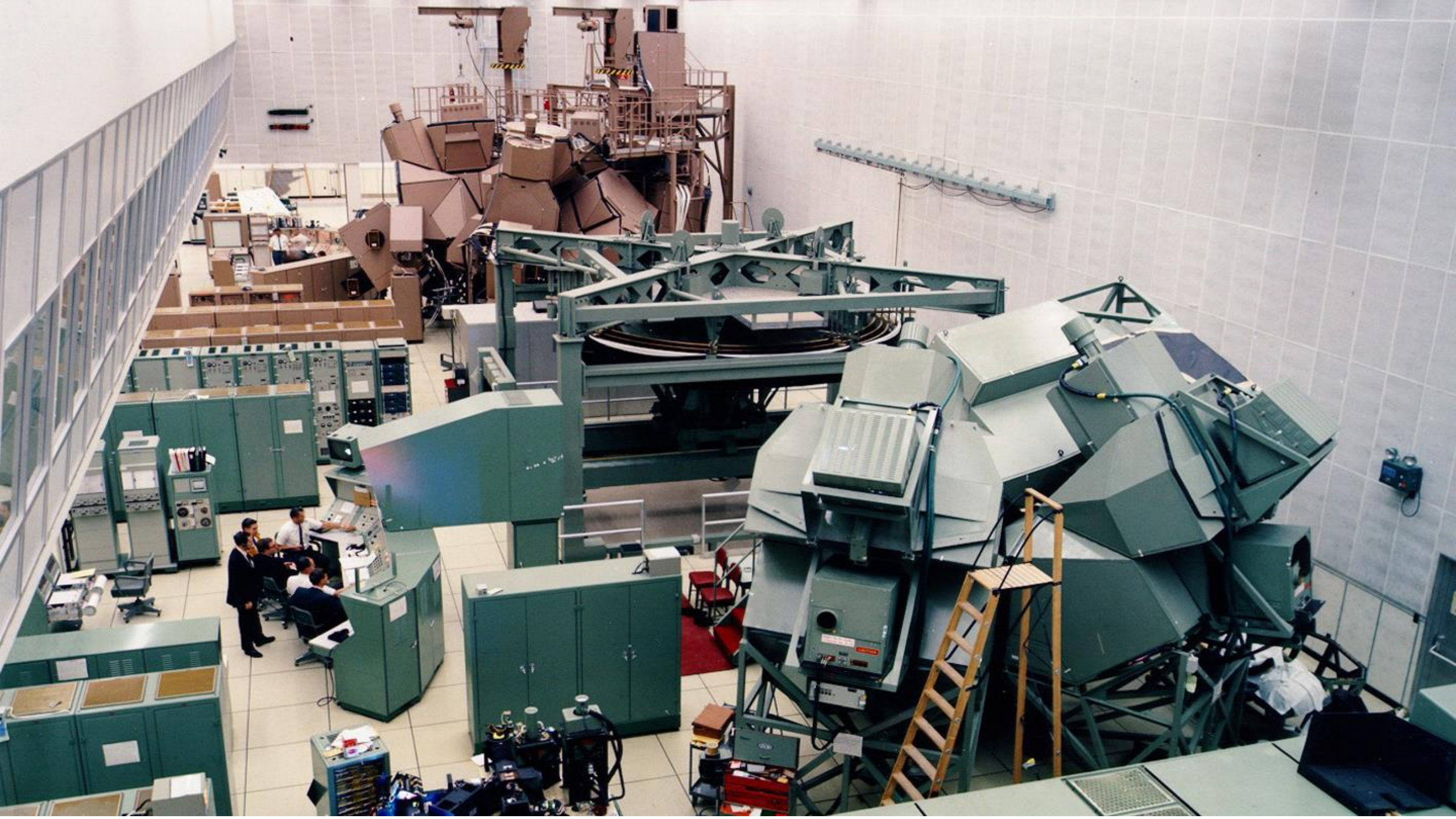


















Discussion Groups

- Benson Chapter 6 (“LC-39 Plans Take Shape”)
 - Figuring out that a road was better than railroad or canal
- Ward Chapter 5 (“The VAB and the Mobile Launcher”)
 - How the pieces were put together
- Ward Chapter 8 (“Life at the Launch Pad”)
 - Safety, Security, and Mission requirements
- Bridge to Space video
 - On overview of the Kennedy Space Center in the context of the Apollo 6 mission

Readings for Gemini: Rendezvous and Docking

- FETM video episode 1 (“Can We Do This?”)
 - NASA from the lunar landing decision through the end of Project Gemini
- Mathews (“Collective Knowledge Gained from Gemini”)
 - An conference paper providing an overview of goals and accomplishments
- **Summary Conference chapter 2 (“Summary of Rendezvous Operations”)**
 - **A detailed review of Gemini rendezvous**
- Hacker chapter 12 (“Spirit of 76”) [32 pages! Read 1 hour from the start]
 - The story of the first rendezvous

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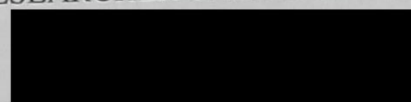
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FIRST NAME (PRINT)

DOUGLAS

RESEARCHER CARD NUMBER



SERIES OR COLLECTION NAME

Project Planning + site Selection Files

RECORD GROUP NUMBER/ COLLECTION DESIGNATION

255

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