



David Grantham

MFA in Production Design

The American Film Institute Center for Advanced Film Studies

BES Faculty of Architecture

The University of Manitoba

Portfolio Segment

Assistant Art Director

Ordeal in the Arctic

Westventures II Productions

Responsibility:

Hercules Plane Crash Wreckage

Design, Fabrication Supervision

Elements

Research

Simplifying Construction

Maintaining Believability

Hercules Tail Section Wreckage Exterior



Hercules Nose Section Wreckage



Hercules Cockpit (Inflight Scenes)



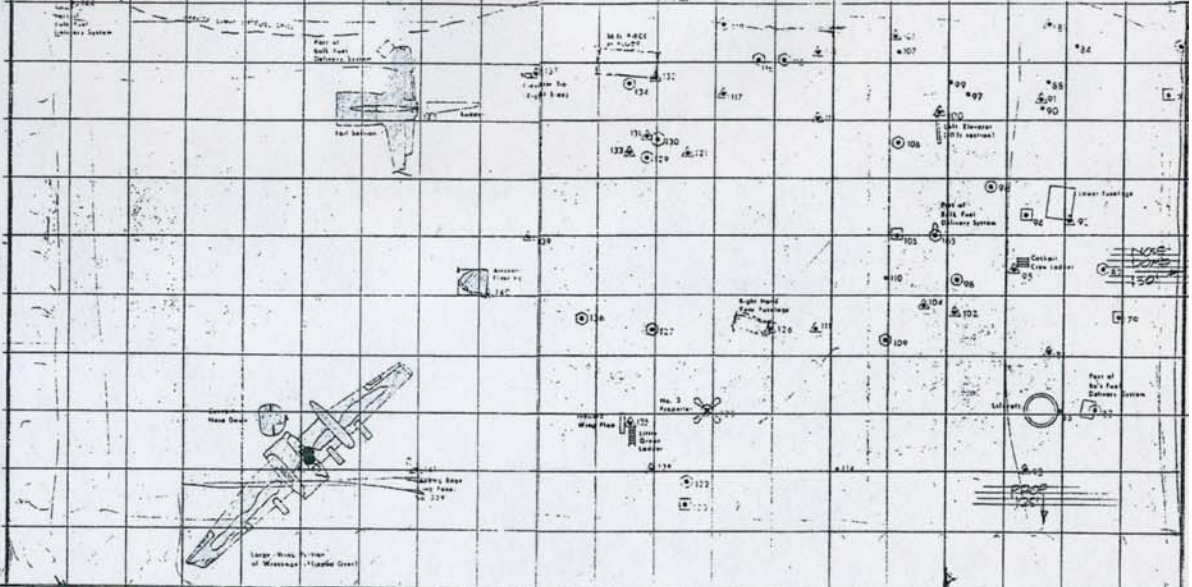
Hercules Tail Section Wreckage Interior



Miscellaneous Wreckage

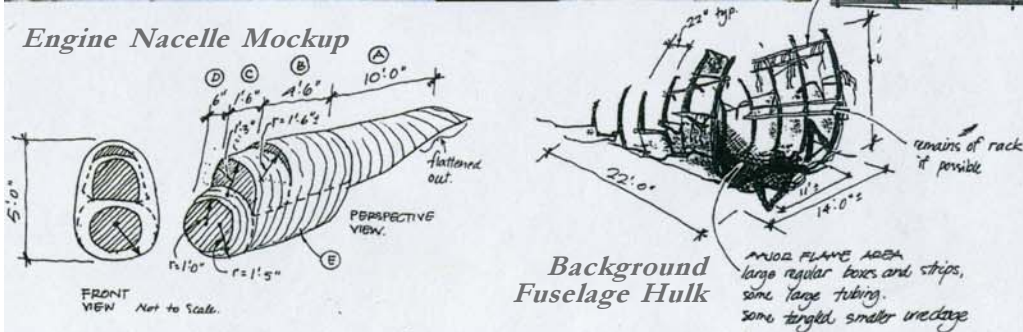


Set Scale Model Site Mockup for Shot Planning Armed Forces Photo: Actual Crash Site

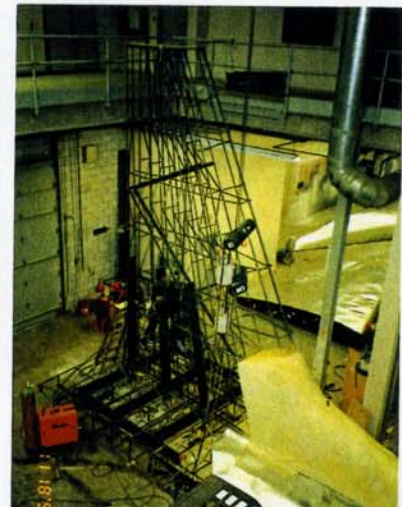
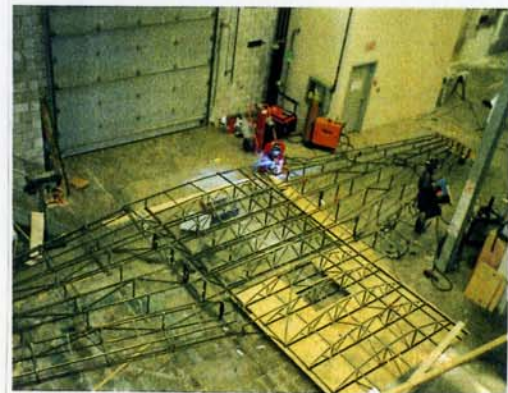
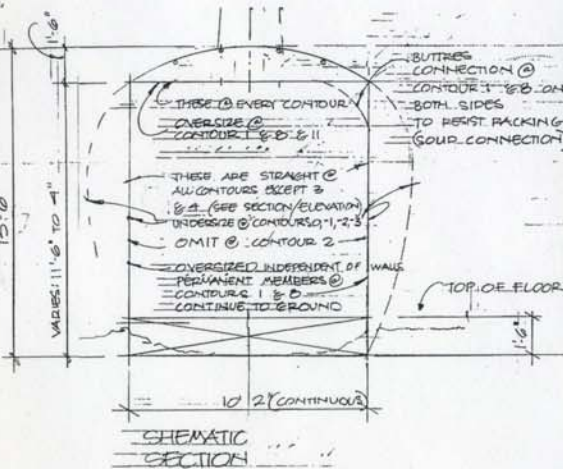
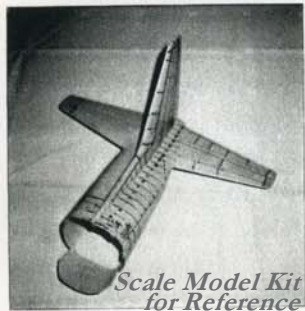
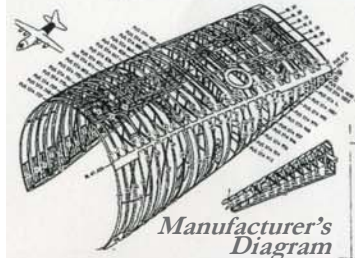
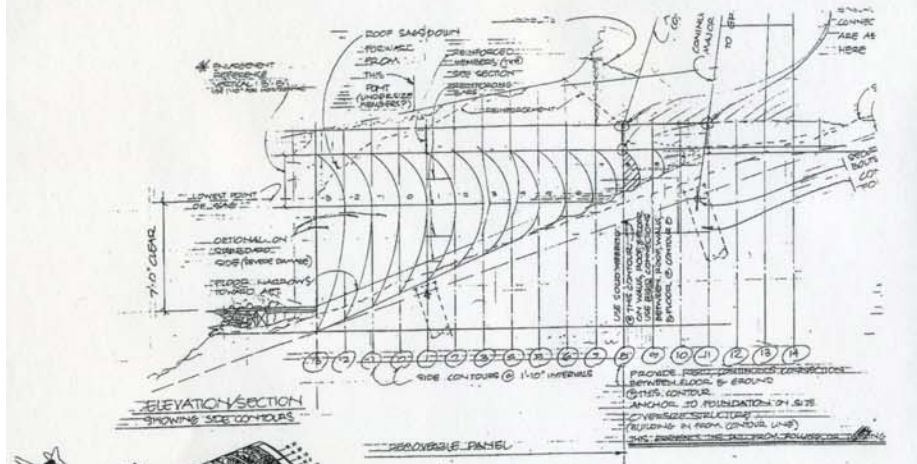


Armed Forces Map: Actual Crash Site

Engine Nacelle Mockup



Crashed Hercules Tail Section Simplifying Construction Maintaining Believability



Crashed Hercules Tail Section Set Compared with Actual Crash Site



Crashed Hercules Tail Section Set



Crashed Hercules Tail Section Interior Portable to Subzero Temperatures

On Camera



Intact Hercules



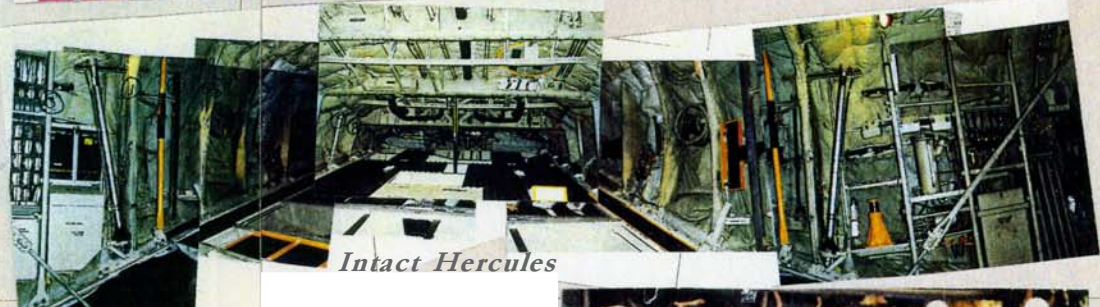
*Damage Sculpted
(Heat Gun)*



*Actual Crash Site
Armed Forces Photo*



Intact Hercules



Components



Construction



*Actual
Crash Site
Armed
Forces
Photo*



Set



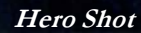
Set - flying walls



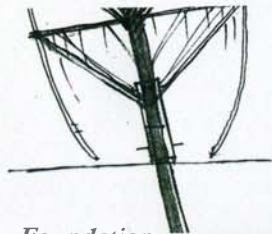
Crashed Hercules Tail Section Interior Set



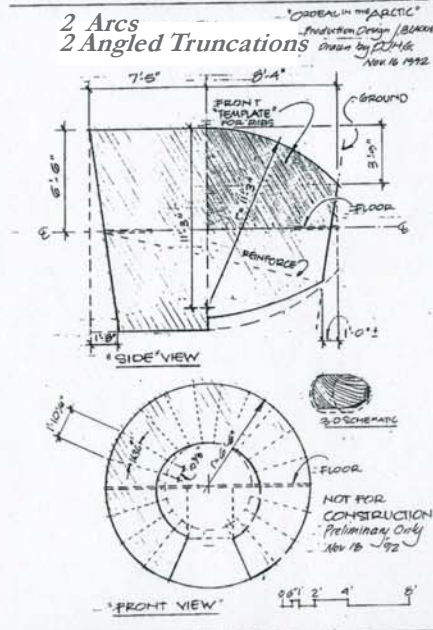
Simplifying Construction: Believability Required from only a Limited Set of Angles



Scale Model Kit for Reference



*Foundation
Post*



Simplification Mockup



Set

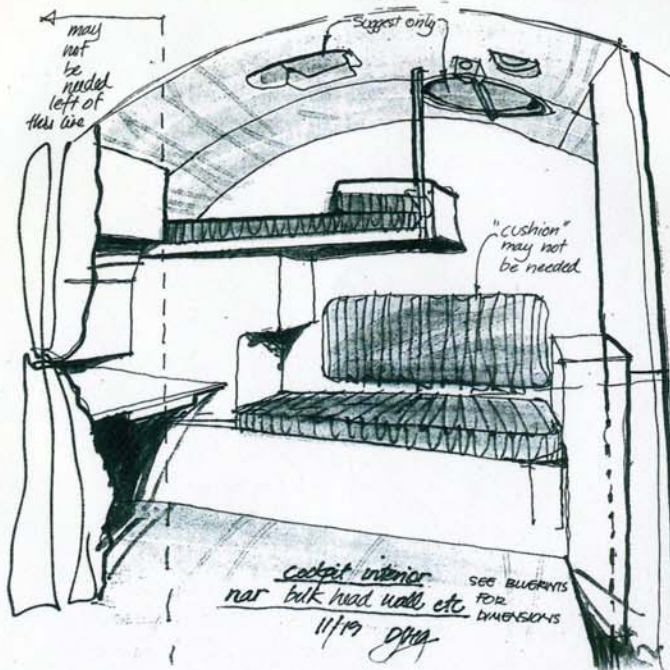


Set

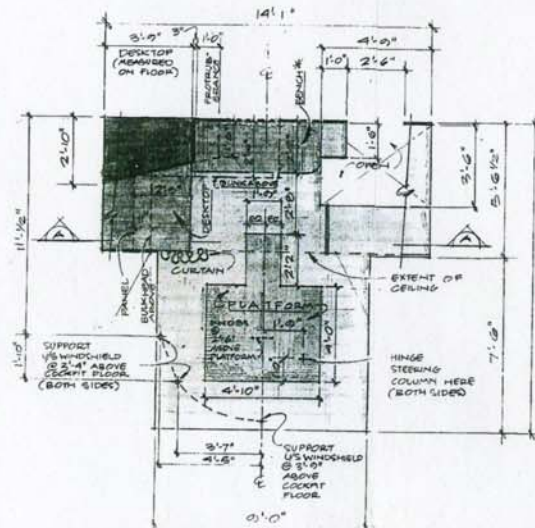
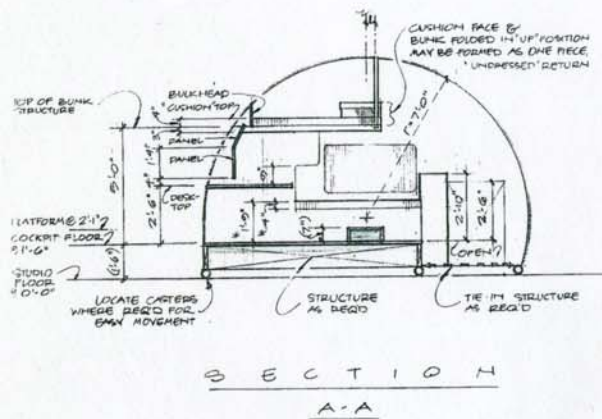
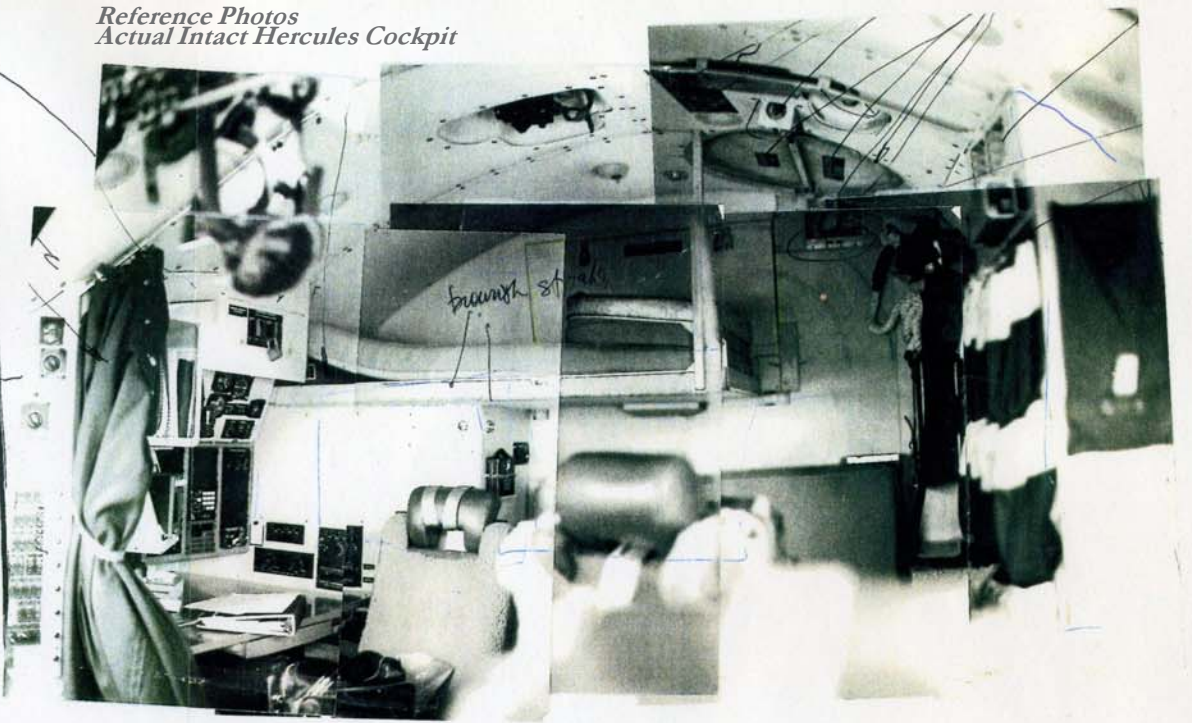
Crashed Hercules Nose Section Set



Hercules (in flight) Cockpit



Reference Photos
Actual Intact Hercules Cockpit



Set



Hercules (in flight) Cockpit Set



'Makeshift Shelter After Snow Drift' Salvaged Aircraft Parts Painted Polyurethane Foam Snow Drifts

