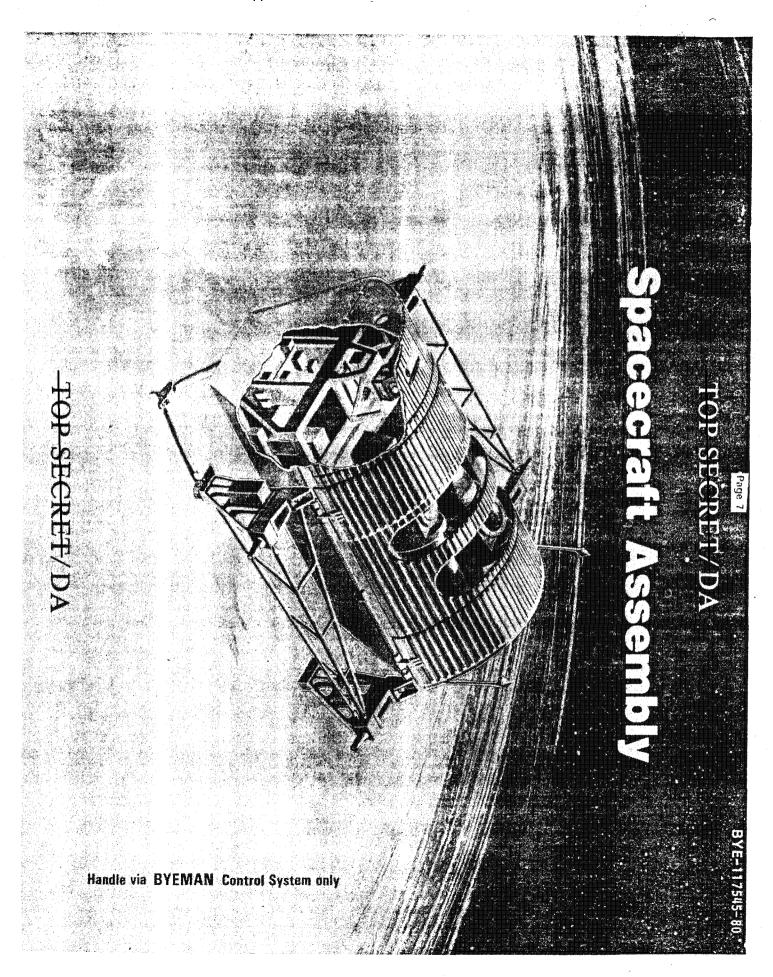




BYEMAN: Control System only

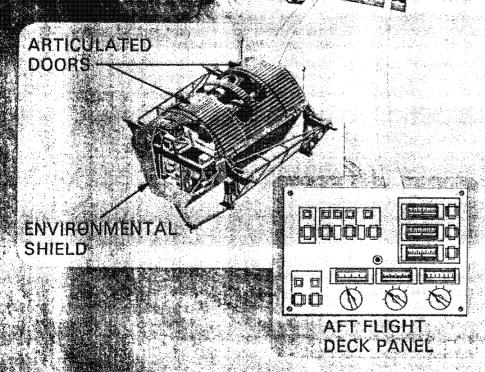
TOP SECRET/DA

BYE-11/5#

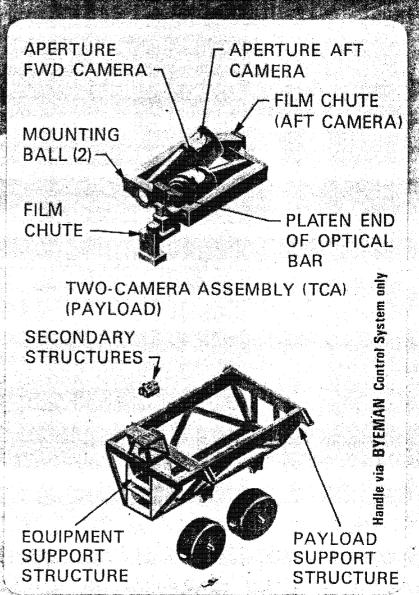


OP SECRET DA ...

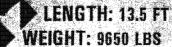
Spacecraft Assembly



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PHOTOGRAPHY AT REFERENCE ORBIT

- Resolution: Grd < 36 IN 99% Of Center of Format Imagery
- Area Collection: 16.9 x 106 Square Nautical Miles (NM) Stereo
- Ground Location: Within 2 NM at Any Point in the frame

MUNICATION: SGLS VCTS

Uplink Margin: 11 dB With Modulation Index (MI) of 0.3 Radians

Downlink Margin: 40 dB Main Carrier, 7.6 dB Subcarrier No. 2

Mith MP6t 1.106 Radians

Manti Downlink Encrypted

MMAND STORAGE: 496 COMMANDS PER MEMORY

TELEMETRY: PULSE-CODE MODULATED

Record: 90 Minutes Per Tape Recorder

Bit Rate: 32 KBS Record Mode, 128 KBPS Realtime Mode

Measurements: 1040 Points

3-16 KWH Ag In Primary Batteries With Capability of Fourth Battery

12.5 KWH From Orbiter Bus

THERMAL:

Environment Compatible for All Experiments
-TOP-SECRET/DA



Page 11

BYE-117545-80

TOP SECRET/DA

Camera Optical Assembly

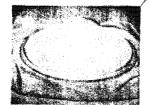


FIELD GROUP A/28 RMS

FIRST BIEMESS SHEOTIC FLEMESS THIRD FLEMESS FOURTH BLEMESS

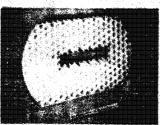
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EACH SURFACE 2/50 RMS

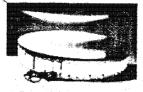


CORRECTOR PLATE

- a, FIRST SURFACE 3/30 RMS
- b. SECOND SURFACE 7/60 RMS



FOLDING FLAT



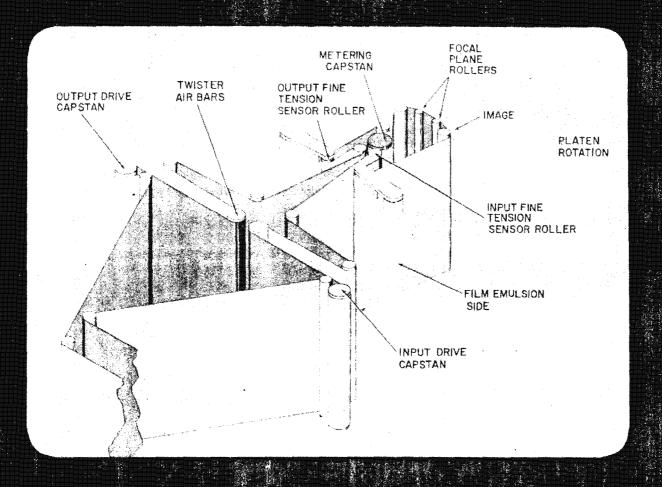
PRIMARY MIRROR

andle via BYEMAN Control System o

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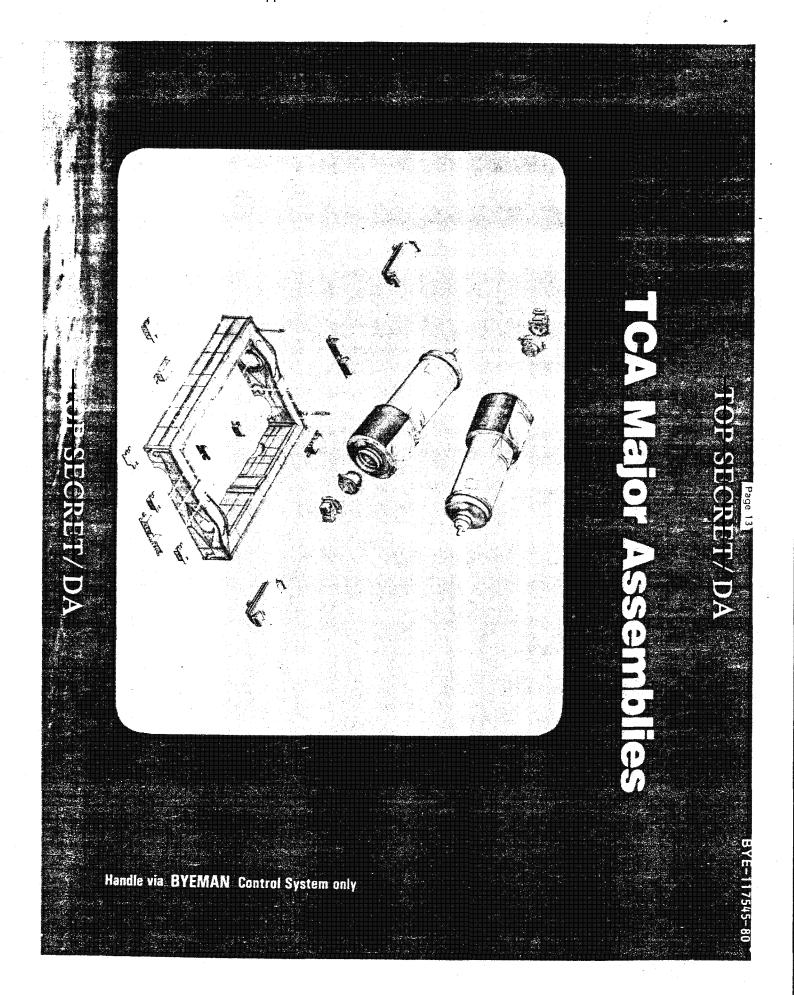
TOP SECRET/DA

Fine Film Path



TOP SECRET/DA

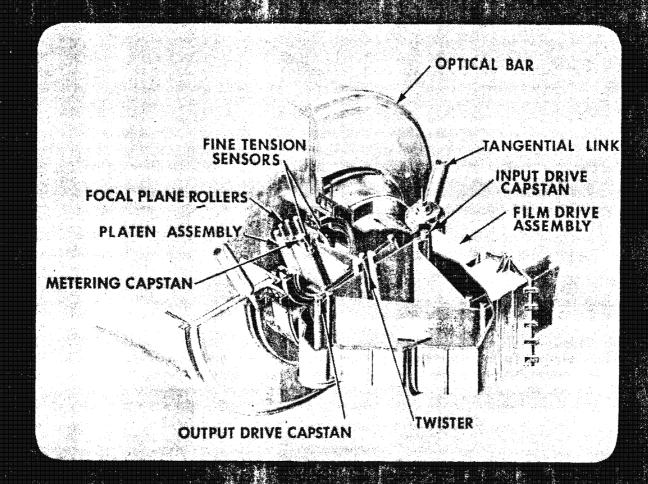
Handle via BYEMAN Control System only



BYE-117545-80

TOP SECRET/DA

Platen and Film Drive



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Applications to Intelligence, Economic Intelligence, And For Countering Camouflage

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Róbas de la comodia (

Subsystems

EXTENDED COMMAND SYSTEM (ECS)



- 742 relay drivers for external command outputs (RTC, NSPC, and PSPC)
- Master spacecraft timing

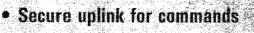
ENCRYPTION - DECRYPTION CAPABILITY

 Stored program commands can be scheduled to occur within 0.2 sec of a given time, at a rate of one every 0.2 sec



KG-UNITS

ECS



Secure downlink for telemetry

ndle via BYEMAN Control System (

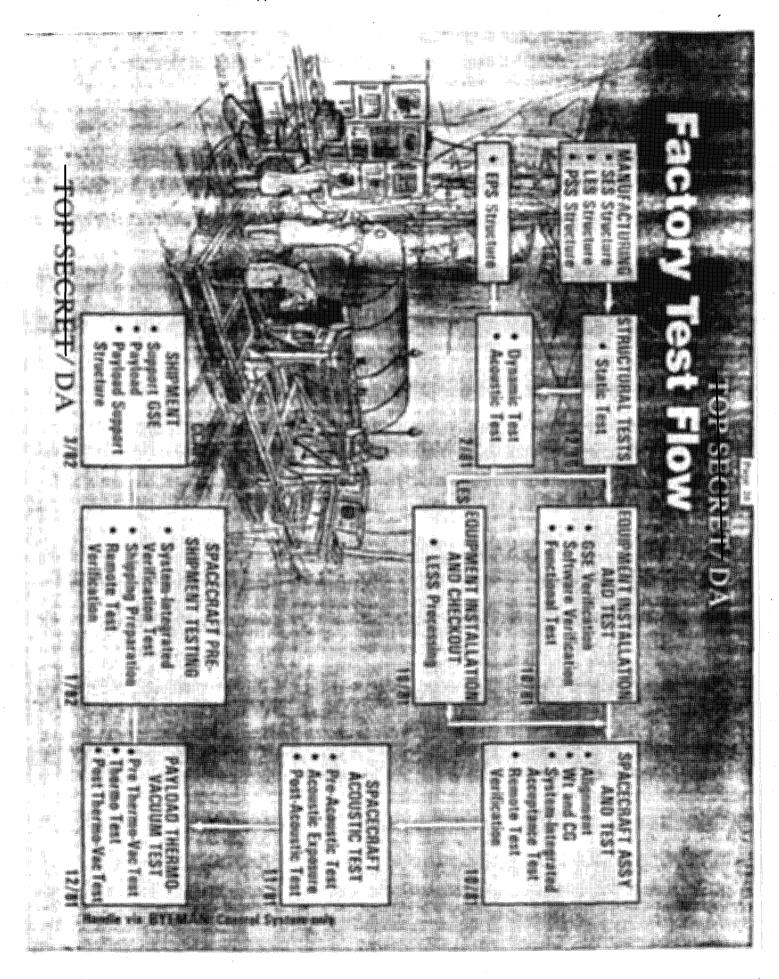


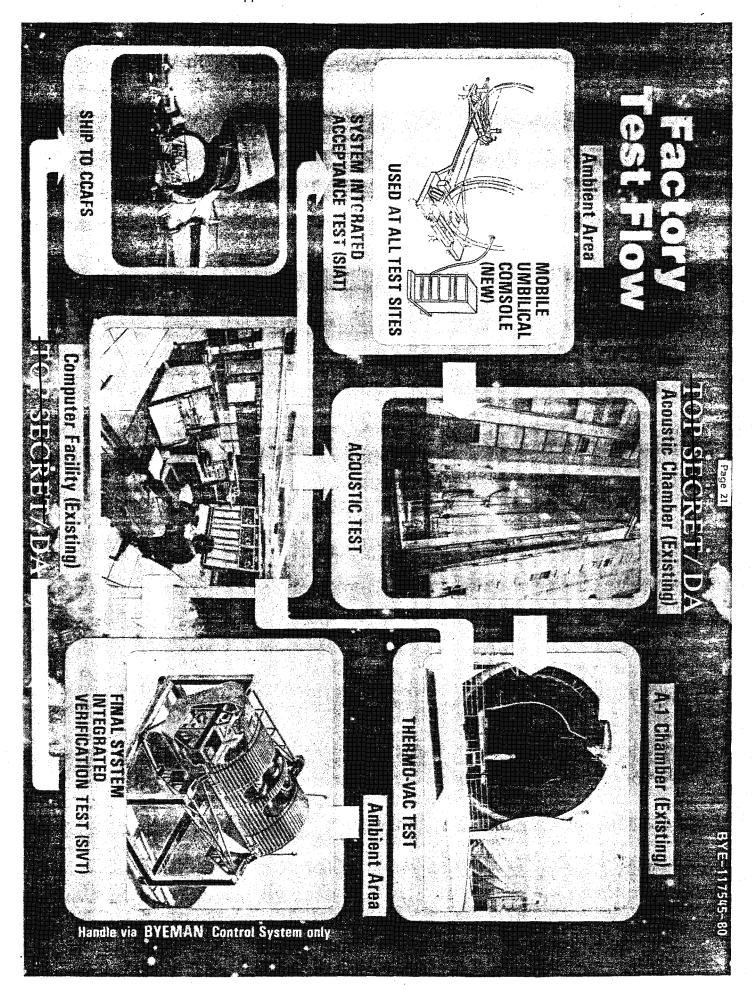
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SY/STEN

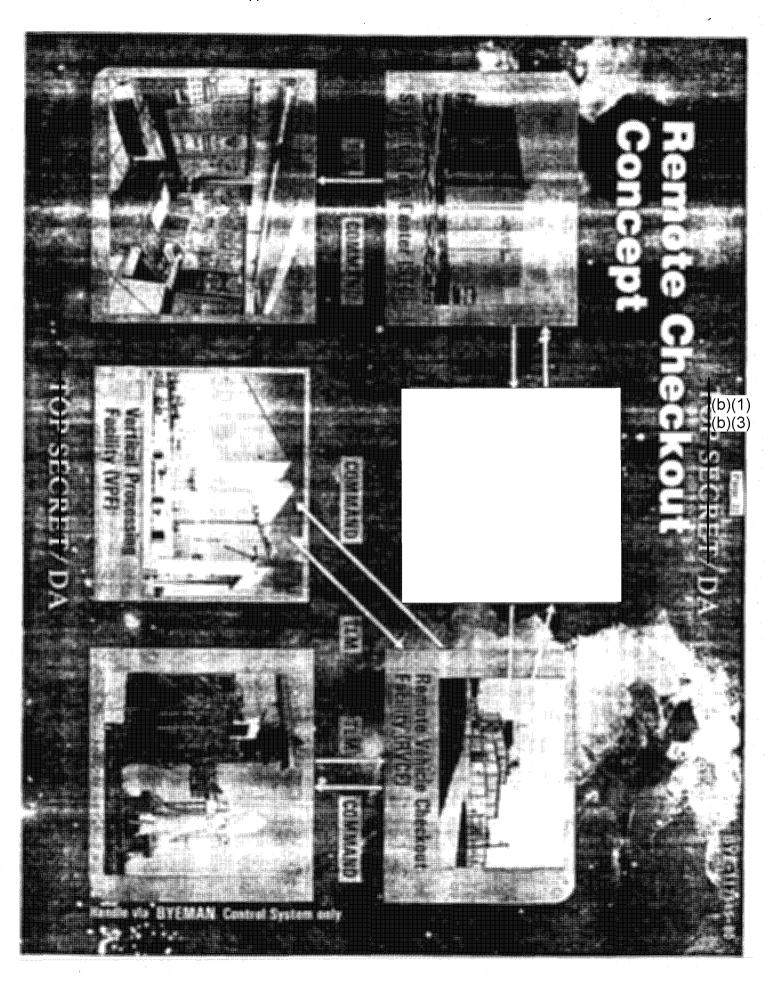
SECRET/DA

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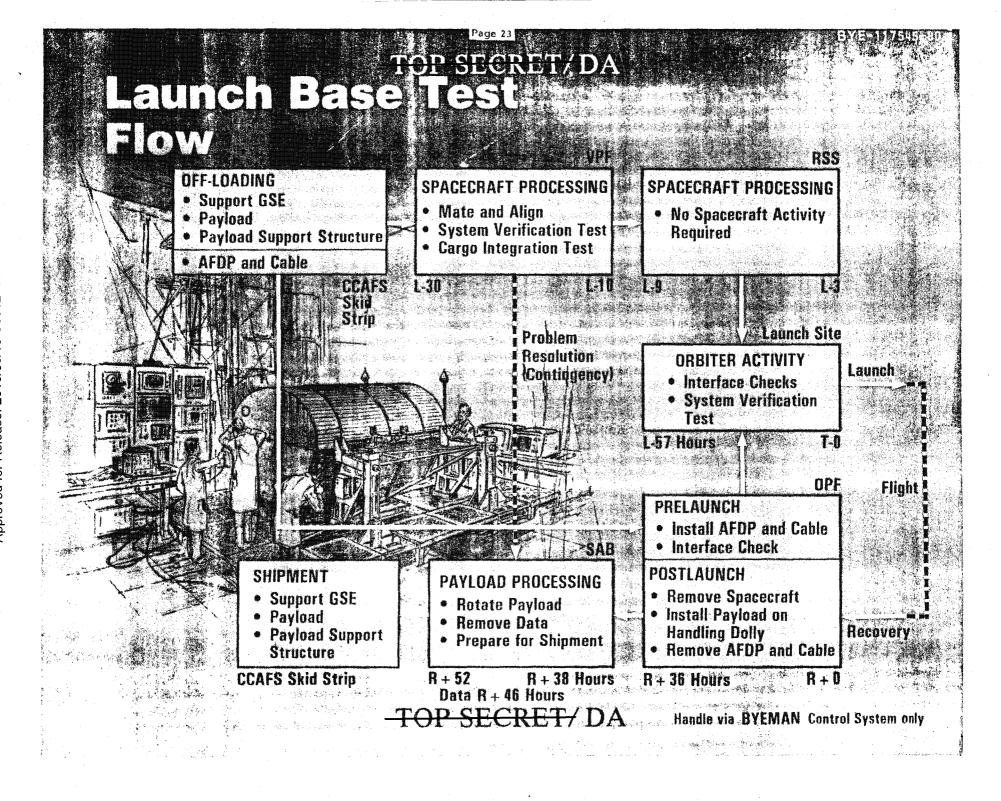


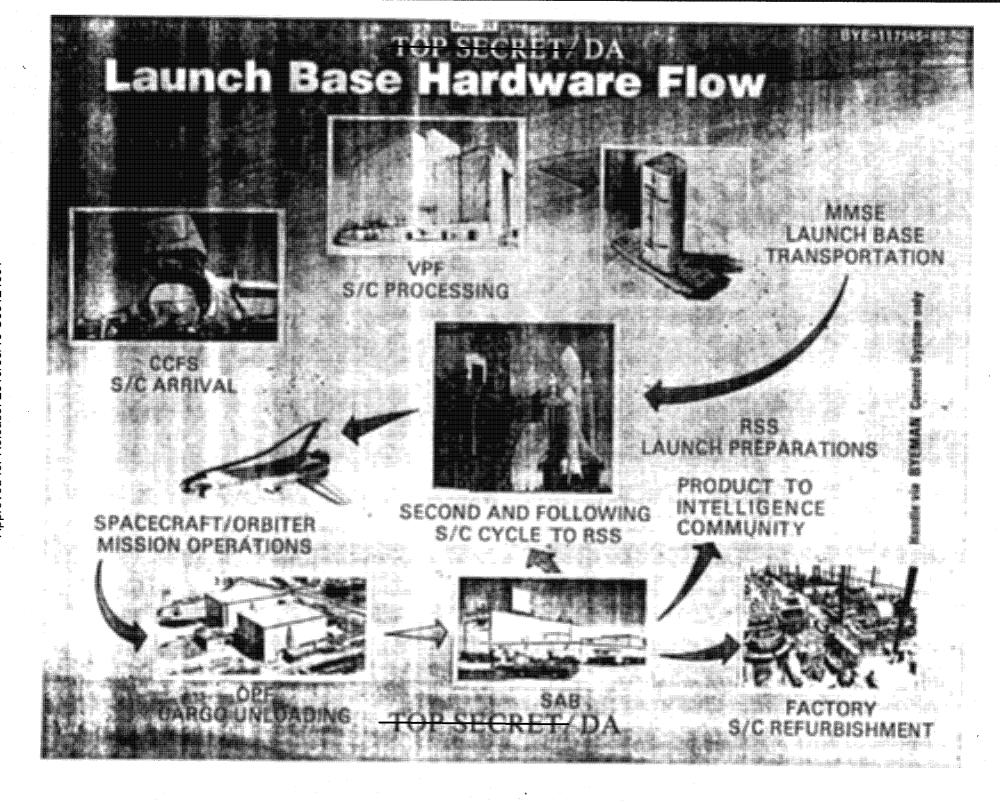


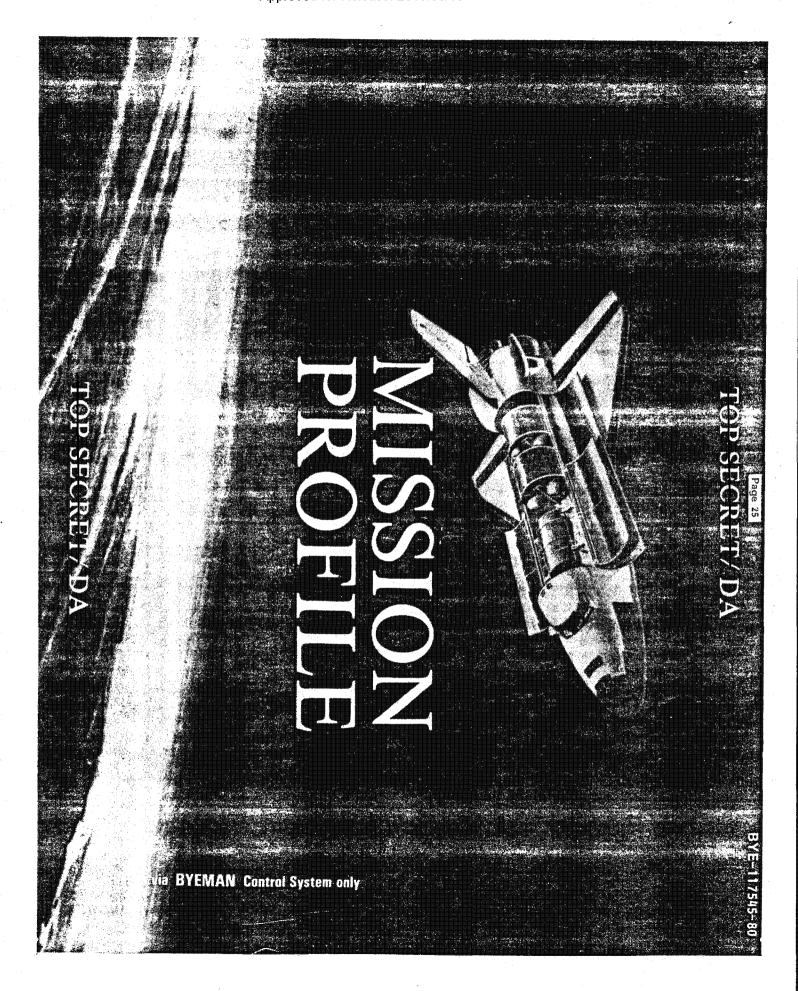
Approved for Release: 2019/06/18 C05124091

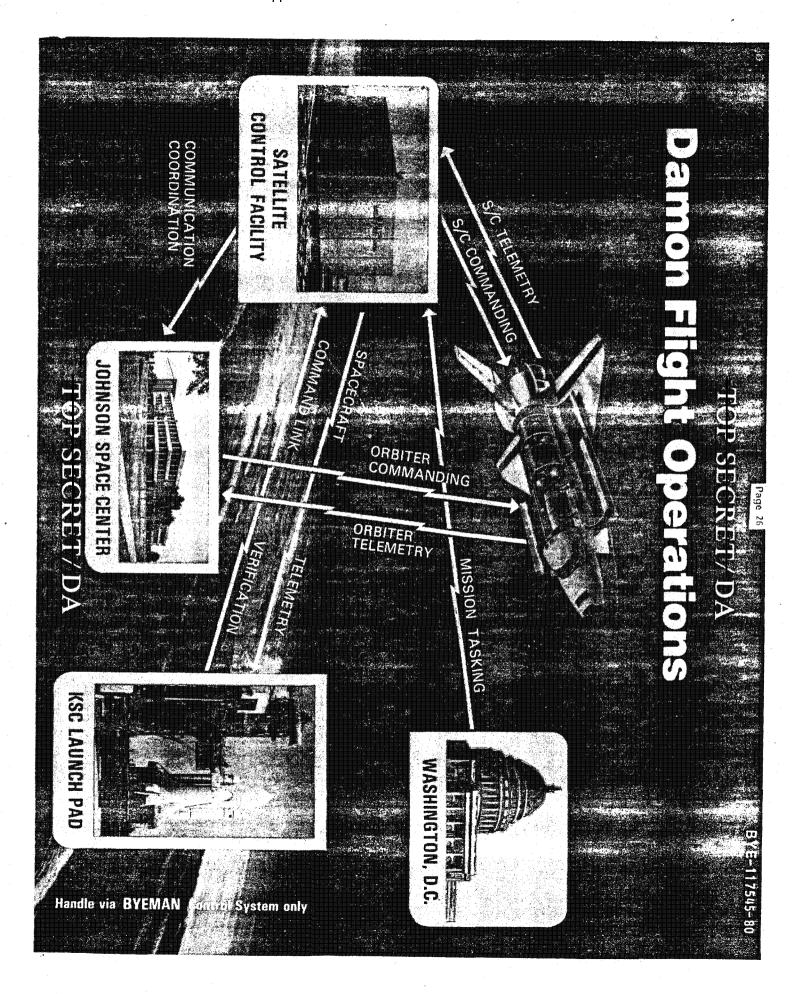


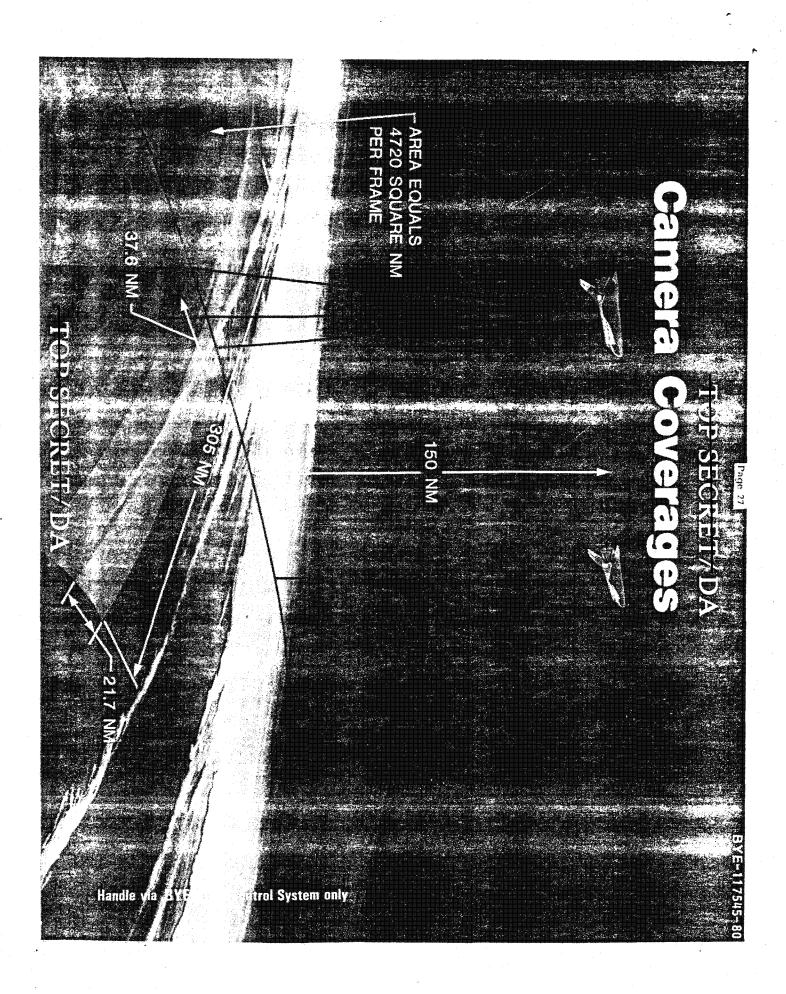
Approved for Release: 2019/06/18 C05124091

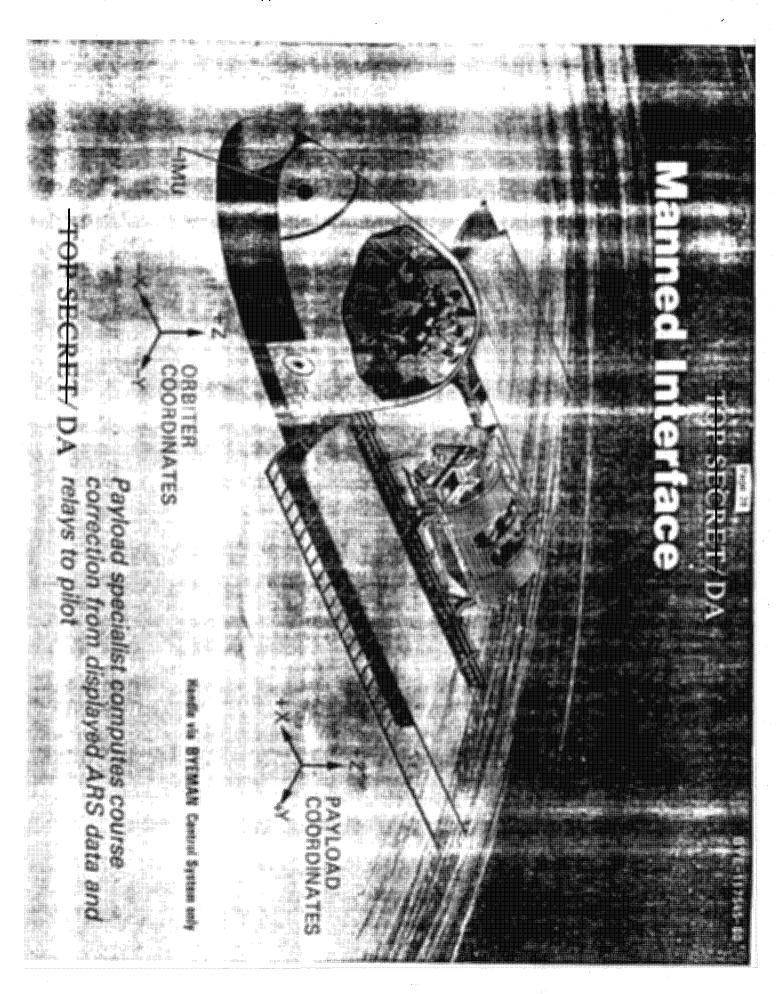




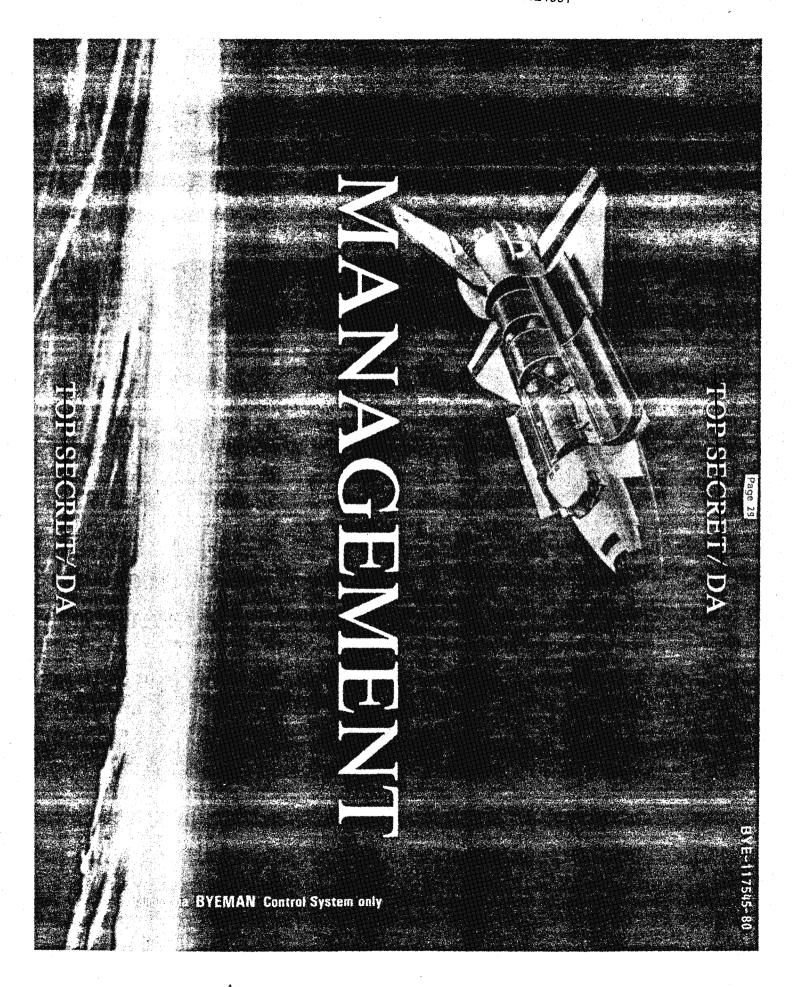


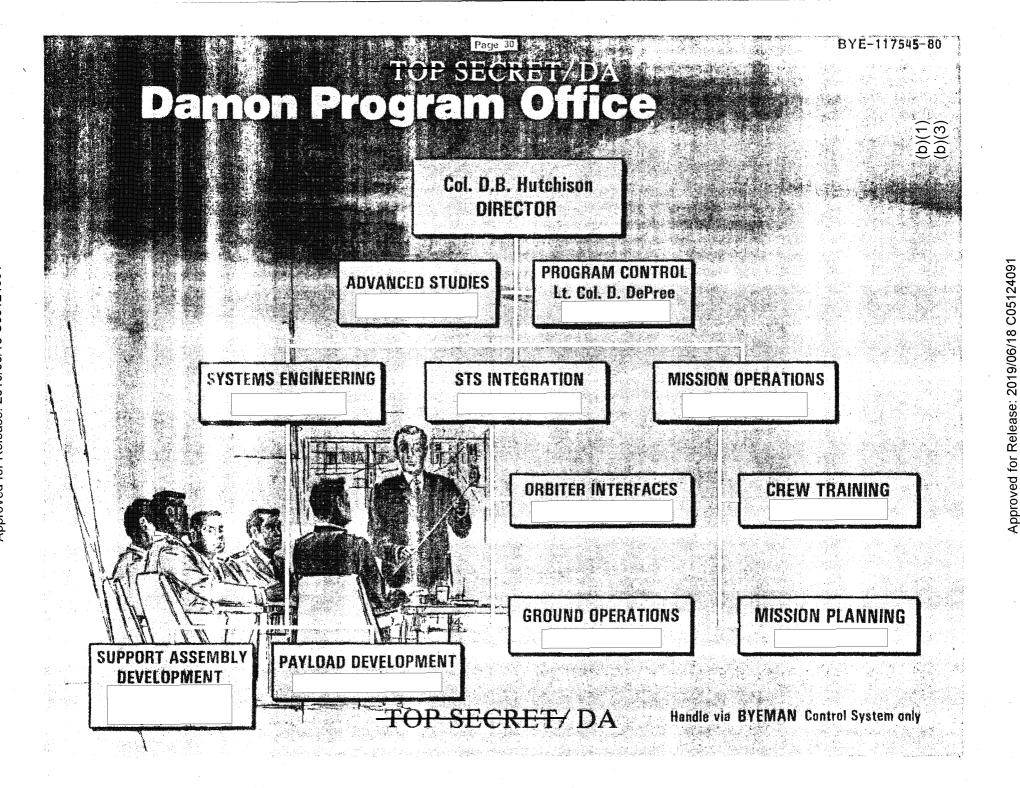


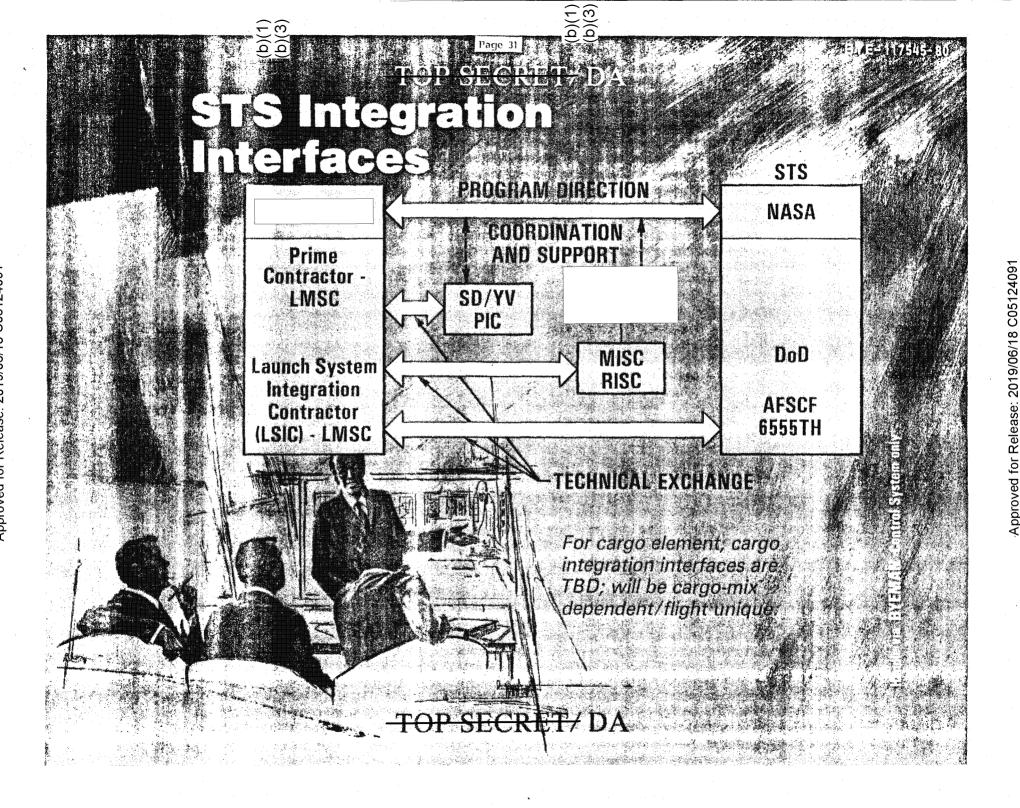


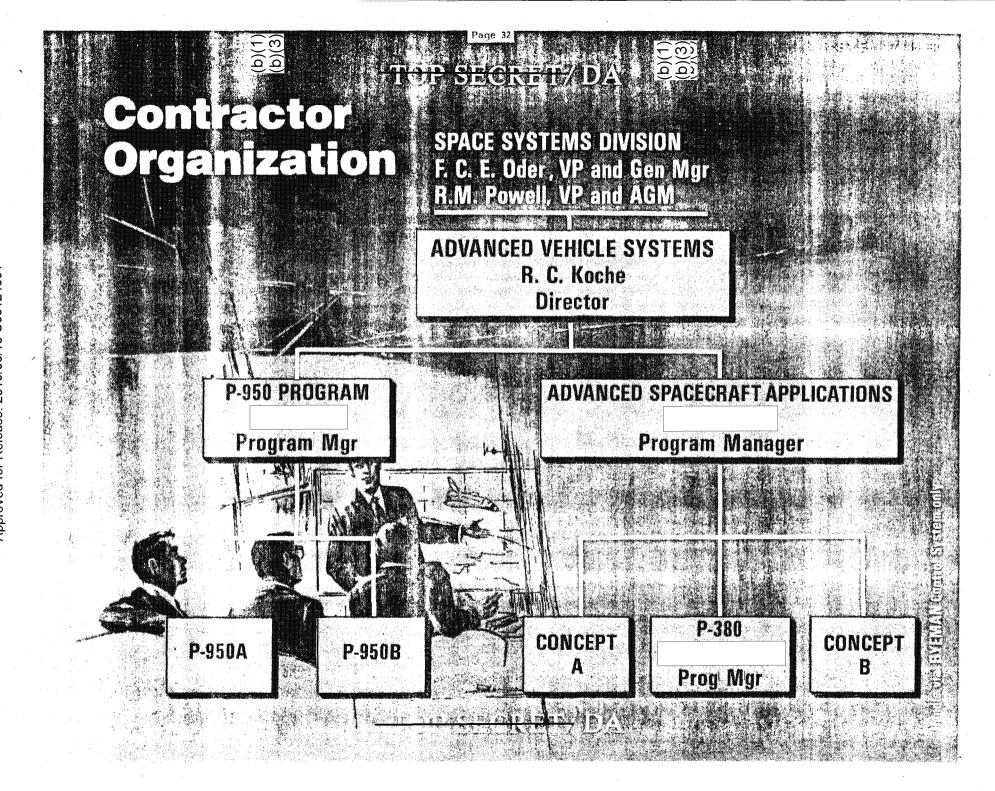


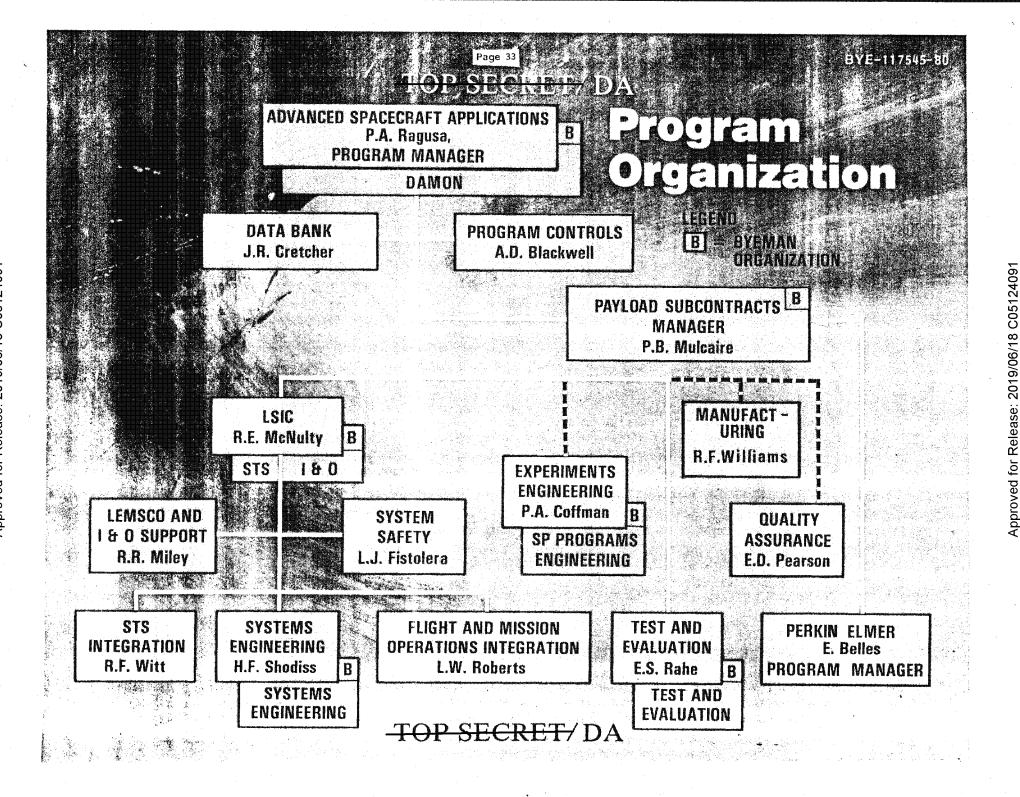
Approved for Release: 2019/06/18 C05124091

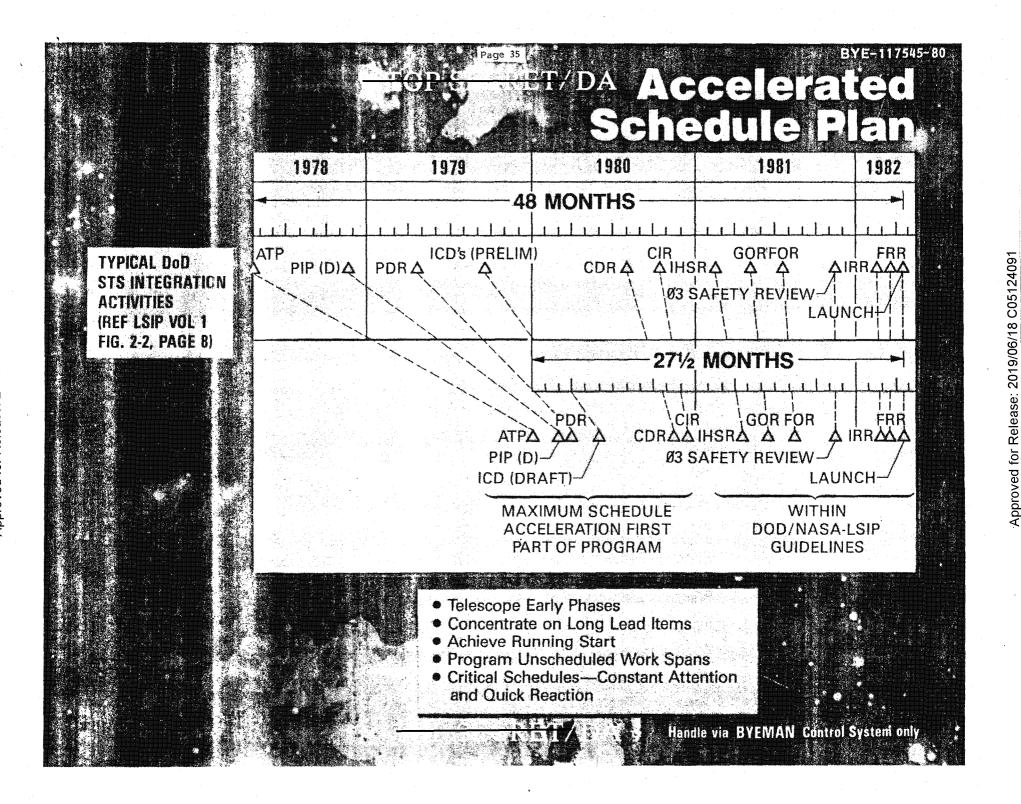




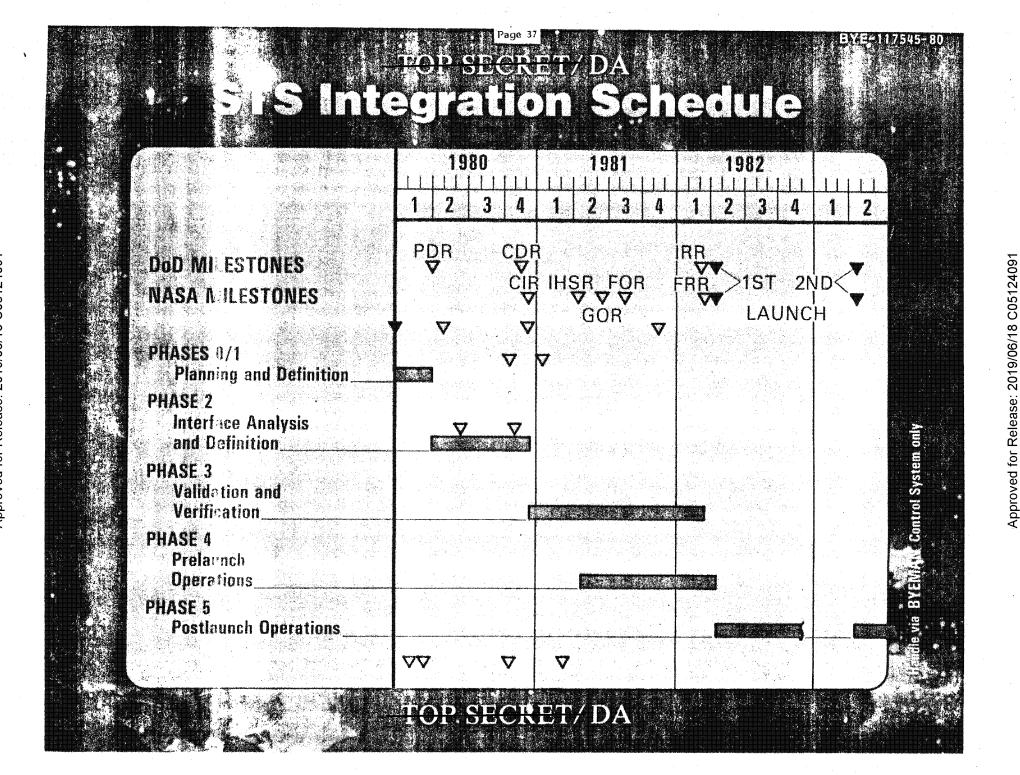


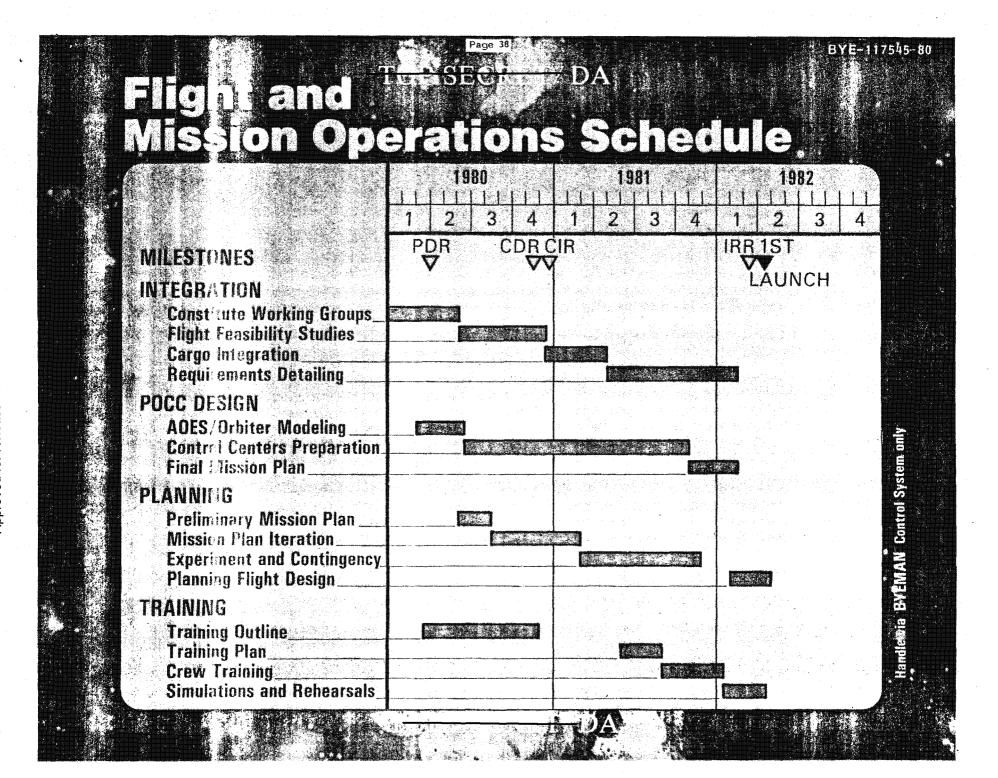






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ecurity Objectives

REQUIREMENT:

Maintain Integrity of All Aspects of the **Byeman Security Program**

▶ GENERAL:

First STS Launch of Byeman Payload

- **Challenge Security System**
- Perfect Techniques for Future Launches
- IMPLEMENTATION:

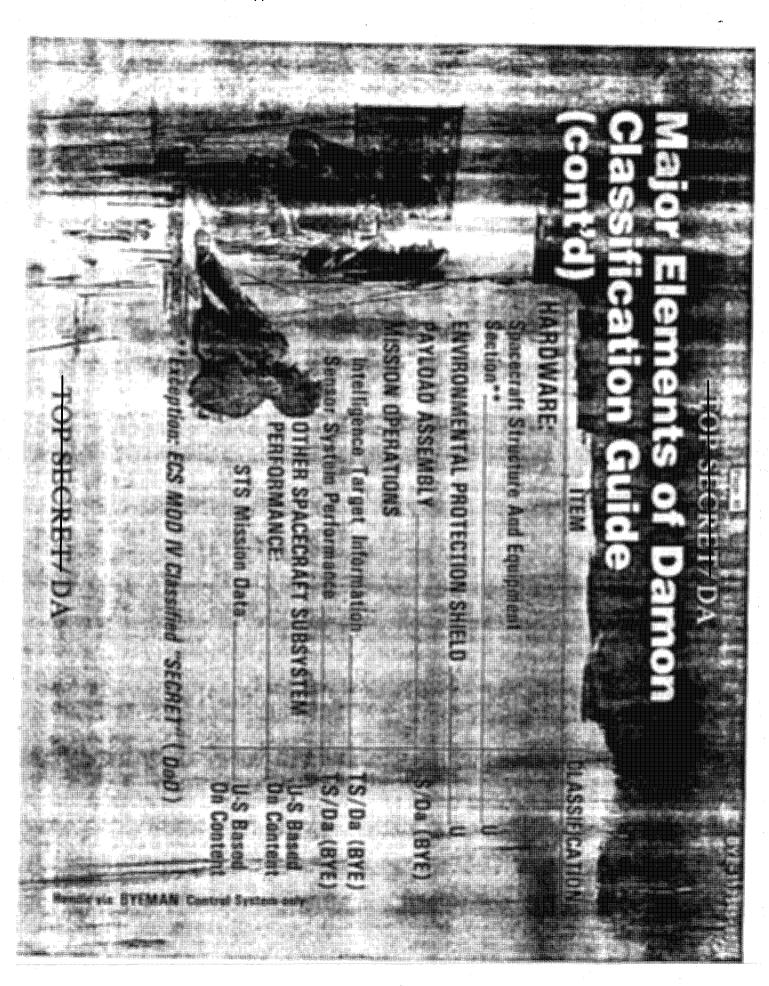
Security Plan Provides For:

- Lessons Learned Disseminated to DoD NASA
- DoD Retention of Information Not Essential to The Joint Effort
- Self-Contained, Autonomous Experiment **Encapsulated in its Environmental Enclosure**

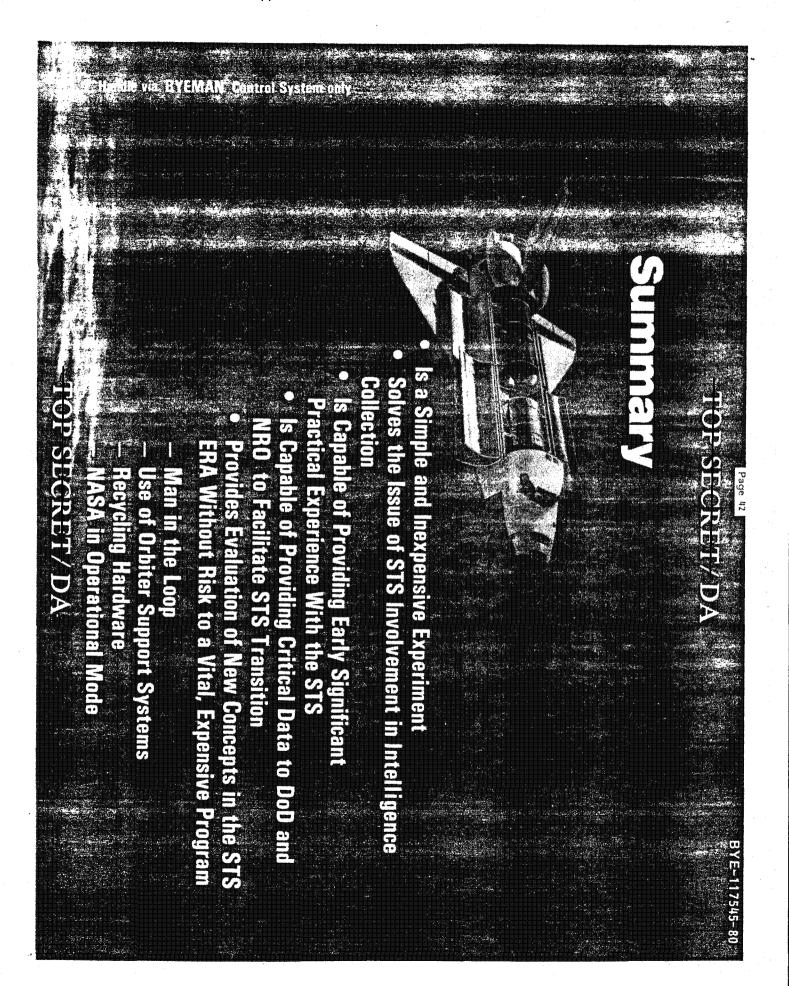
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FOR SECRET! DA

GF Labor Groundrules

Maximum use of mainline manpower without disturbing current contract estimates at completion

Accept studies on Damon program up to \$2 million over-run

Manpower authorized up to specific limits, currently 1203 manmonths

Priority

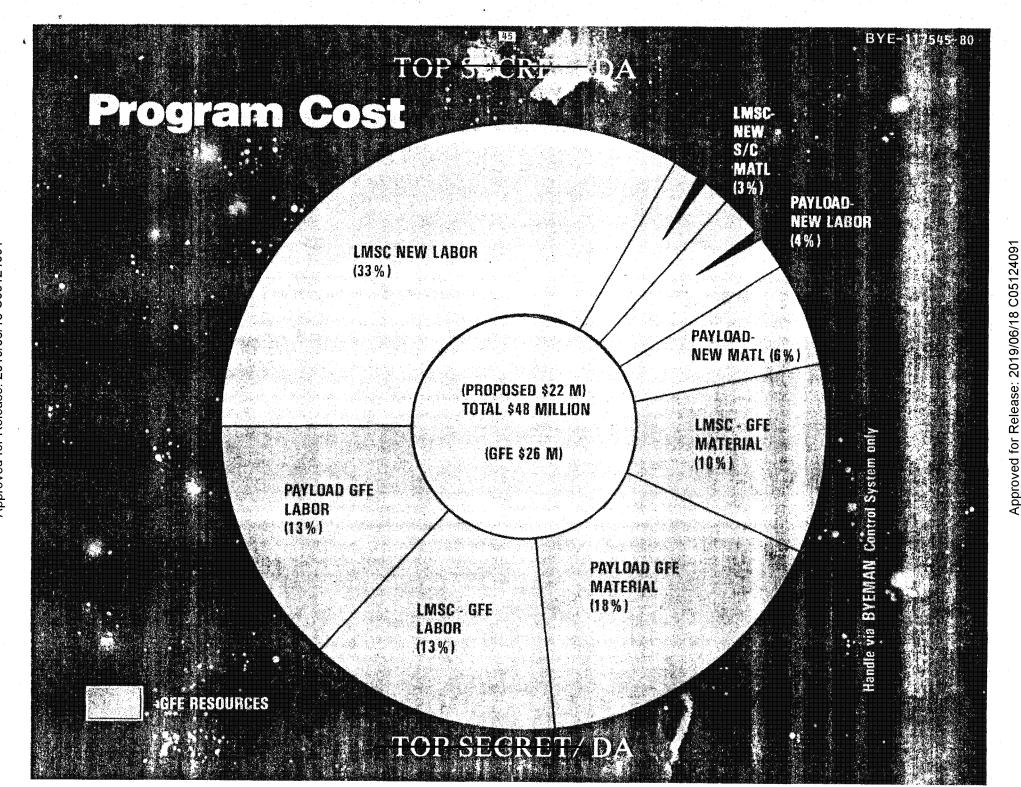
P-467, P-110, P-269

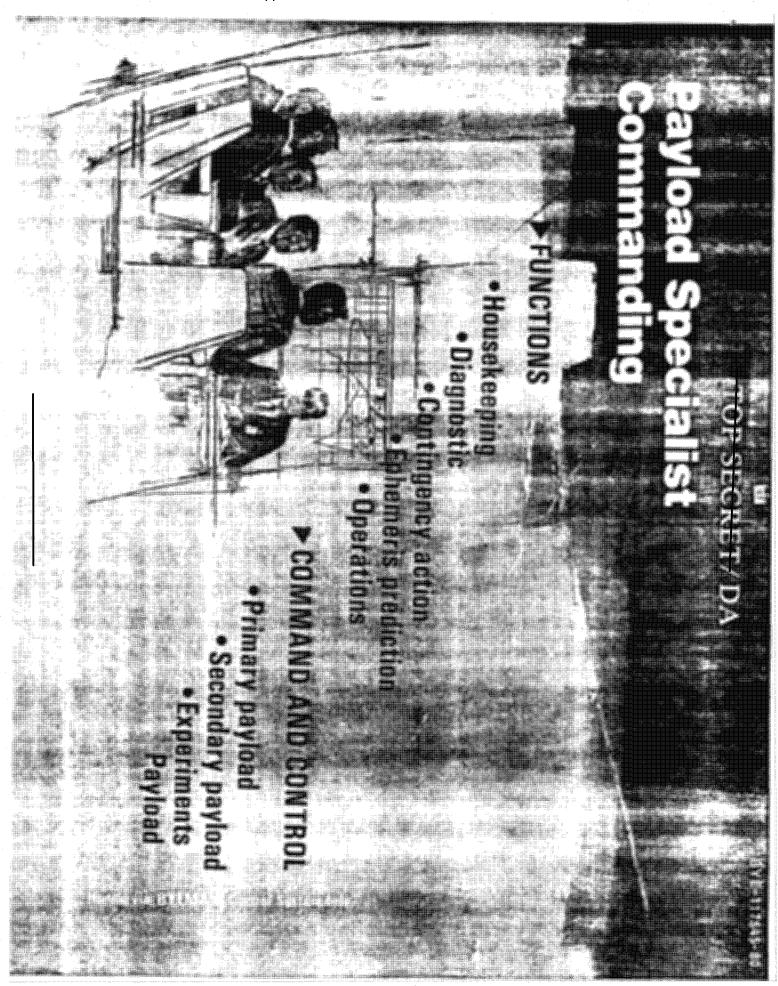
Ground Rule

Manpower usage will not affect mainstream programs

TOP SECRET/ DA

CRET DA Handle via BYEMAN Control System only

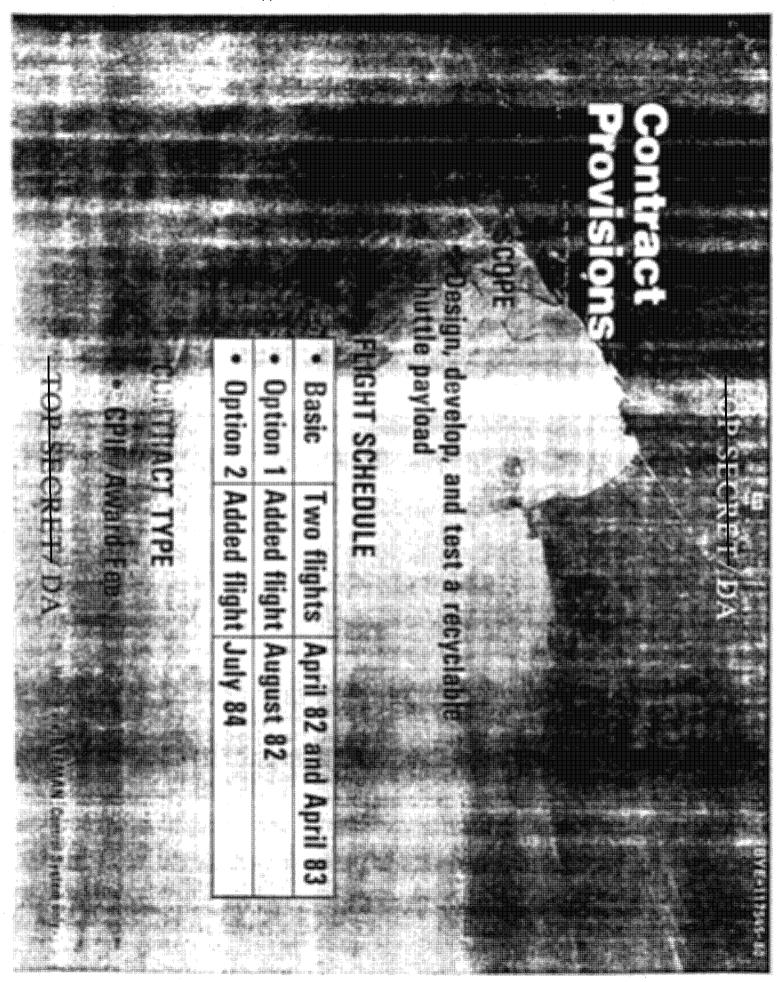




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