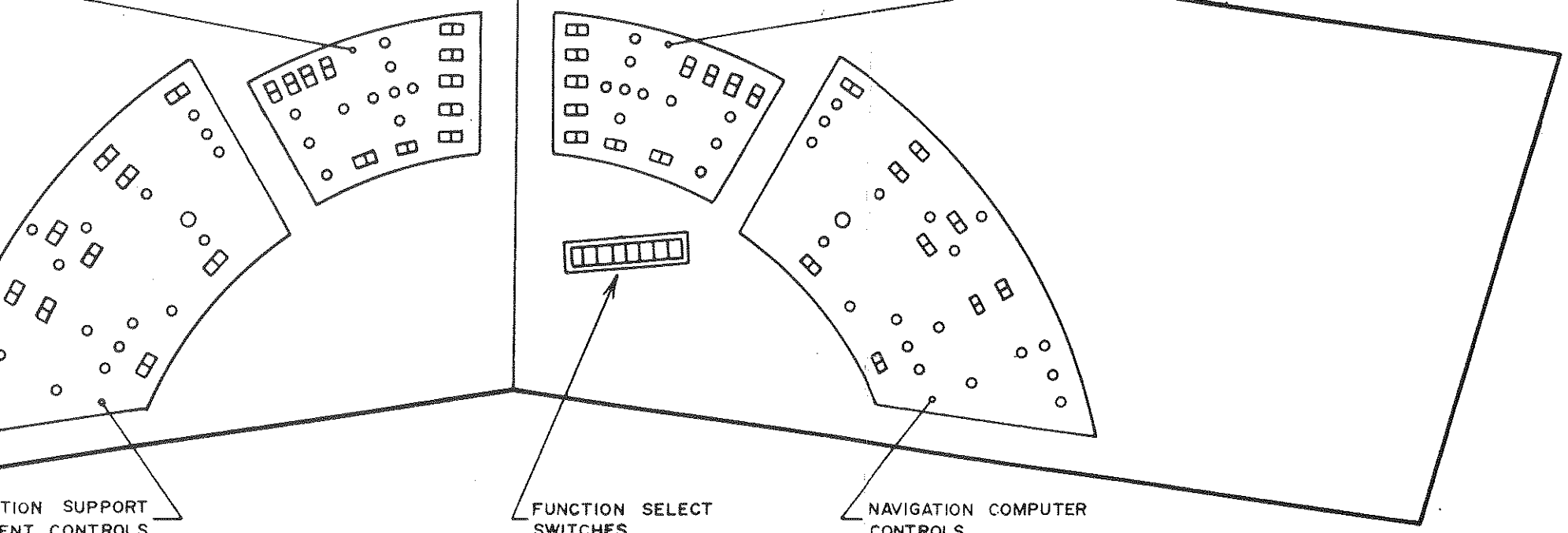
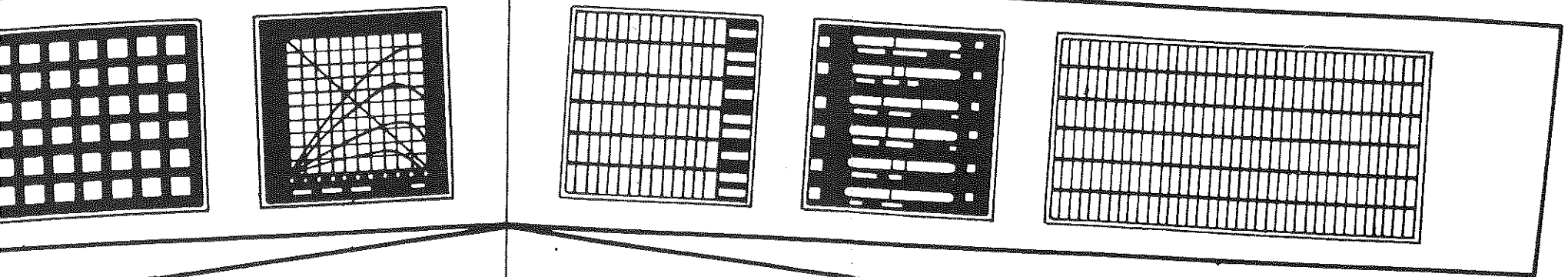
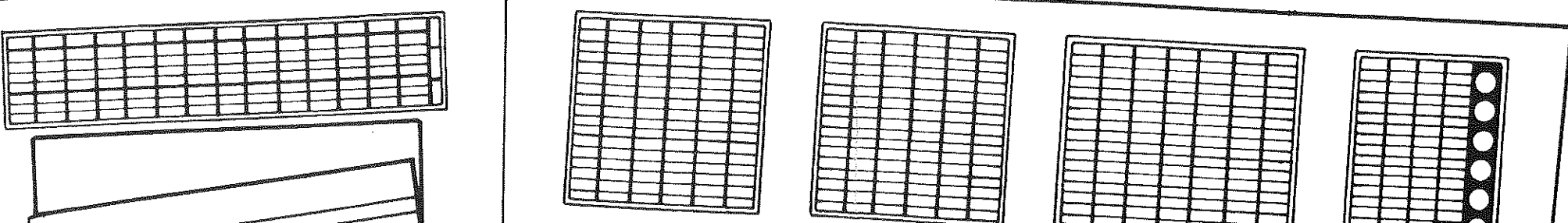


EMS STATUS D. ORBITAL ENTRY PLOT D. M & T STATUS D. M & T GRAPHIC D. NAVIGATION COMPUTER MONITOR D.



NAVIGATION SUB-SYSTEMS CHECKOUT STATION

COMPUTER UNIT STATUS D. COMPUTER OPERATION ACTIVITY D. INTERCONNECT STATUS D. SPECIAL FUNCTIONS PROCESSING D. SPECIAL FUNCTIONS RESULTS D.



NAVIGATION SUB-SYSTEMS CHECKOUT STATION

FUNCTION BUTTON NUMBER
 NAVIGATION SUPPORT EQUIPMENT CONTROLS
 (LAYOUT TYPE C REVERSED)

- PANEL LOCK 1
- PANEL ENABLE 2
- CHART FILE UNITS 3-5
- INERTIAL REFERENCE PLATFORMS 6-10
- NAVIGATION BEACON RECEIVERS 11-14
- NAVIGATION SENSORS CONTROLS 15-21, 23-26
- NAVIGATION STATION CHECK 22
- STAR FLEET TIME SYNCHRONIZATION RECEIVER 27
- MASTER TIME STANDARD CONTROLS 28-32
- NAVIGATION DEFLECTOR CONTROLS 33-36
- STAR CHART RECORDER 37

CHART ACCESS AND CONTROL PANEL
 (LAYOUT TYPE E REVERSED)

- CHART SELECTOR 1-10
- CURSOR CONTROLS: OUT 11, UP 12, RIGHT 13, IN 14, LEFT 15, DOWN 17 RECORD 16
- MARK POINT 18-19
- TRANSFER SETTING TO NAVIGATION STATION 20-21
- FUNCTION SELECT CONTROLS 22-29
- RESET 30
- PLOT PRESENT COURSE 31
- TRANSFER TO MAIN SCREEN 32

MAINTENANCE AND TEST PANEL
 (LAYOUT TYPE E)

- SUB-SYSTEM SELECT 1-10
- UNIT RELEASE 11
- MAIN SCREEN TRANSFER 12
- SIMULATE MODE CONTROLS 13-15
- DISPLAY RESET 16
- DATA EXPAND 17
- CURSOR CONTROLS LEFT 18, RIGHT 19, UP 20, DOWN 21
- DISPLAY CONTROLS 22-29
- DISPLAY PAGE ADVANCE / RETURN 30-31
- MANUAL ACTIVATE 32

NAVIGATION COMPUTER CONTROLS
 (LAYOUT TYPE C)

- PANEL ENABLE 1
- PANEL LOCK 2
- REDUNDANT SYSTEM SELECTOR 3-5
- MEMORY BANK CONTROLS 6-10
- ERROR MONITOR 11-14
- NAVIGATION EQUATION PROCESSOR 15-21
- MASTER RESET 22
- INPUT / OUTPUT CONTROLLER 23-26
- CENTRAL PROCESSOR UNIT 27-32
- SUPPORT EQUIPMENT DATA LINKS 33-36
- LIBRARY COMPUTER DATA LINKS 37

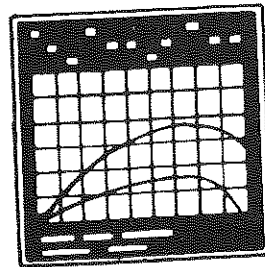
LIBRARY-COMPUTER STATION
 SENSOR DISPLAY CONTROLS
 (LAYOUT TYPE G)

- RAW DATA 1
- CONTRAST ENHANCEMENT 2
- CONTOUR LINES 3
- FALSE COLOR 4
- PROGRAMABLE FUNCTIONS FROM INTERCONNECT PANEL 5

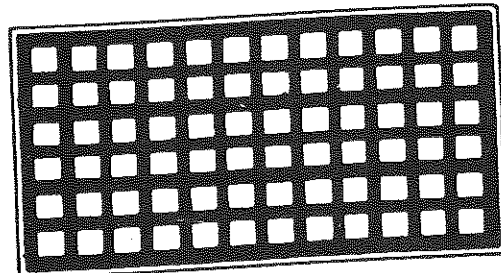
SENSOR FUNCTION CONTROLS
 (LAYOUT TYPE F)

- AUTO-TRACKING ENAGAGE 1
- FORWARD SCAN 2
- PLANETARY SURFACE SCAN 3
- DEFINABLE SENSOR FUNCTIONS 4-5
- SENSOR TYPE SELECT: TAG / LOG TRAN. TO [ACTIVITY IND. TRAN. [INTERCONNECT P] TO DIRECT D.
- ELECTROMAGNETIC: RADIO-IR 6 14 19

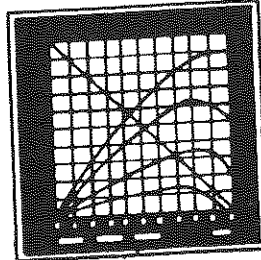
SPACE FIELD
CONDITIONS D.



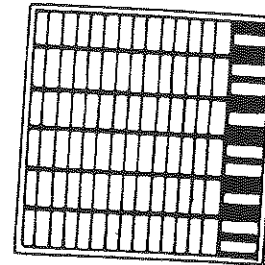
NAVIGATION SYSTEMS STATUS D.



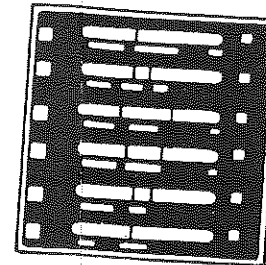
ORBITAL ENTRY
PLOT D.



M & T STATUS D.



M & T GRAPHIC D.



NAVIGATION COMPUTER
MONITOR D.

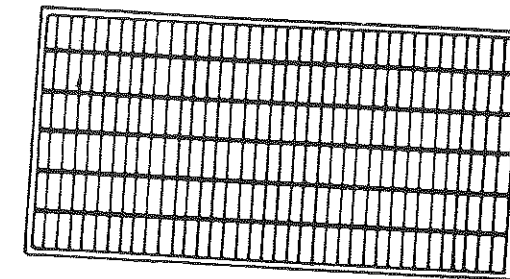


CHART ACCESS & CONTROL PANEL

M & T PANEL

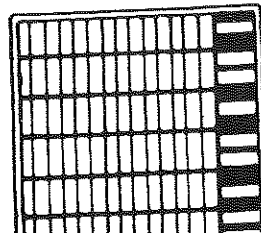
NAVIGATION SUPPORT
EQUIPMENT CONTROLS

FUNCTION SELECT
SWITCHES

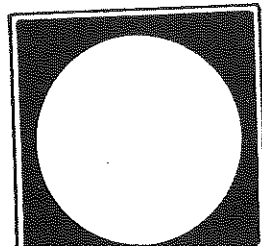
NAVIGATION COMPUTER
CONTROLS

NAVIGATION SUB-SYSTEMS CHECKOUT STATION

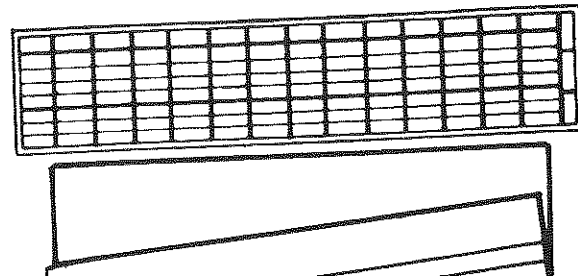
SENSOR ACTIVITY
D.



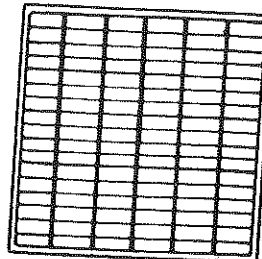
SENSOR SWEEP D.



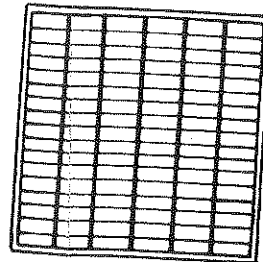
COMPUTER UNIT STATUS D.



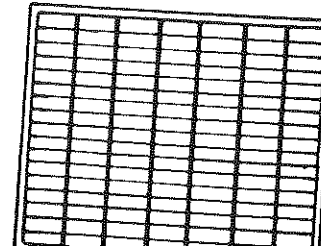
COMPUTER
OPERATION
ACTIVITY D.



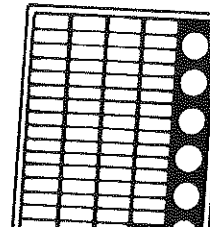
INTERCONNECT
STATUS D.



SPECIAL FUNCTIONS
PROCESSING D.



SPECIAL
FUNCTIONS
RESULTS D.



NAVIGATION
FUNCTION

NAVIGATION

PANEL LOCK
PANEL ENABLE
CHART FILE UNIT
INERTIAL REFERENCE
NAVIGATION BEACON
NAVIGATION SENSORS
NAVIGATION STATUS
STAR FLEET TIME
MASTER TIME SET
NAVIGATION DEFLECTION
STAR CHART RECORD

CHART

CHART SELECTOR
CURSOR CONTROL
RECORD
MARK POINT
TRANSFER SETTINGS
FUNCTION SELECTOR
RESET
PLOT PRESENT CONTROL
TRANSFER TO MAIN

MAIN

SUB-SYSTEM SELECT
UNIT RELEASE
MAIN SCREEN TRANSFER
SIMULATE MODE
DISPLAY RESET
DATA EXPAND
CURSOR CONTROLS
DISPLAY CONTROLS
DISPLAY PAGE ADVANCE
MANUAL ACTIVATION

NAVIGATION

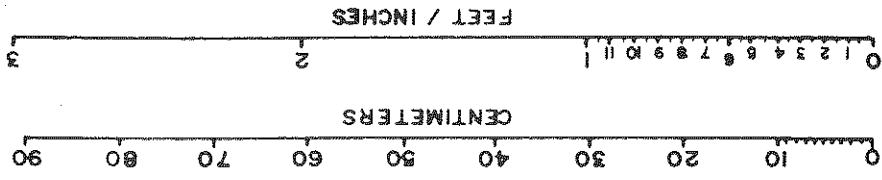
PANEL ENABLE
PANEL LOCK
REDUNDANT SYSTEMS
MEMORY BANK CONTROL
ERROR MONITOR
NAVIGATION EQUIPMENT
MASTER RESET
INPUT / OUTPUT CONTROL
CENTRAL PROCESSOR
SUPPORT EQUIPMENT
LIBRARY COMPUTATION

LIBRARY

RAW DATA
CONTRAST ENHANCEMENT
CONTOUR LINES
FALSE COLOR
PROGRAMMABLE FUNCTION

AUTO-TRACKING
FORWARD SCAN
PLANETARY SURFACE
DEFINABLE SENSORS
SENSOR TYPE SELECTION

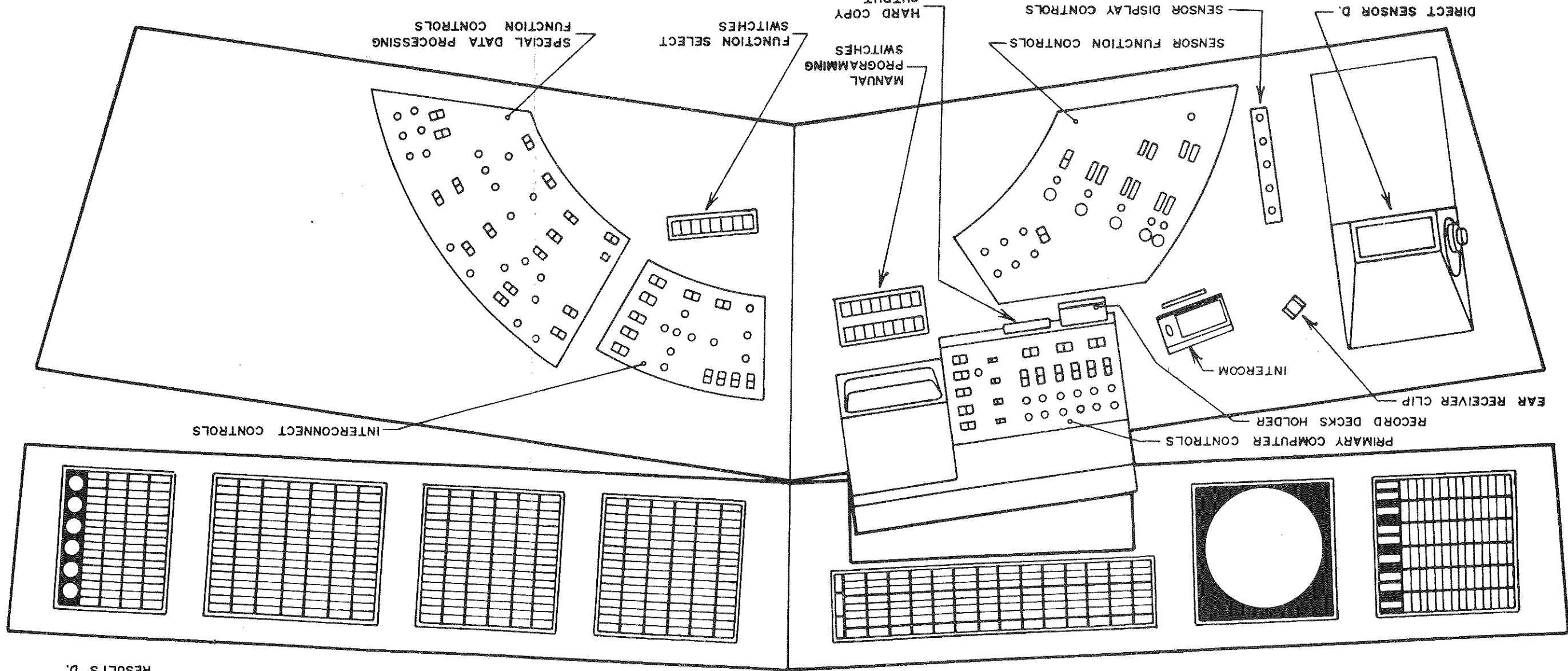
ELECTROMAGNETIC



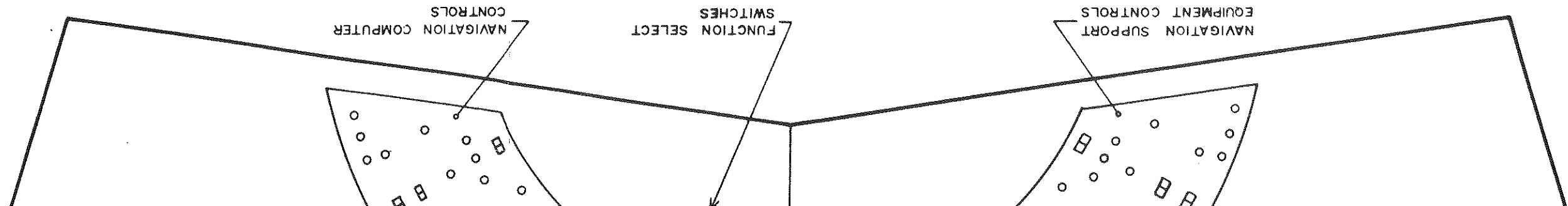
LIBRARY-COMPUTER STATION

PRIMARY COMPUTER CONTROLS

(SPECIAL DATA PROCESSING FUNCTION CONTROLS CONTINUED)
COMPARISON DATA SOURCE SELECT 34-37
PREDEFINED FUNCTION SELECT 44-49
PANEL LOCK 7
PANEL ENABLE 6
INDICATOR TEST 5



NAVIGATION SUB-SYSTEMS CHECKOUT STATION



SHT NAVIGATION CHECK

SET UP TRANSFER DATA T PROGRAM INTERPR 5

SPE

INTERCON RECORD TAG TRANSFER SIGNAL

MANUAL MASTER

CONFIG INITIAL INPUT

SENSOR COVERA LIFE OBJECT

PARTICL GRAVITAT MAGNET

ELECTR

SENSOR DEFINAB PLANET FORWARD

PROGRA FALSE

RAW DA CONTRA

LIBRAR SUPPOR

CENTRA INPUT / MASTER

NAVIGAT ERROR MEMOR

PANEL

30-33, 38-43 PROGRAM PARAMETER INPUT CONTROLS
 24-29 INTERPROGRAM CORRELATION CONTROLS
 50-53 PROCESSING PROGRAM SELECT 18-23, FUNCTION GROUP SELECT
 14-17 DATA TYPE SELECT 10-13, DATA PREPROCESSORS
 8 TRANSFER SET-UP TO SENSOR CONTROLS
 9 SET UP DEFINE SELECT 1-4, STEP ADVANCE
 (LAYOUT TYPE A)

SPECIAL DATA PROCESSING FUNCTION CONTROLS
 30 INTERCONNECTION SELECTOR 22-29, INTERCONNECTION SETUP
 32 TRANSFER DATA TO MAIN SCREEN
 20-21 TRANSFER DATA TO LEFT OVERHEAD DISPLAY
 18-19 TRANSFER DATA TO RIGHT OVERHEAD DISPLAY
 31 TAG 17, INTERCONNECTION RELEASE
 16 RECORD PLAYBACK CONTROLS 13-15, CONNECT EARPIECE
 12 SELECT INPUT UNITS 11, SELECT OUTPUT UNITS
 1-10 SIGNAL SOURCE / DESTINATION UNIT SELECTOR
 (LAYOUT TYPE E REVERSED)
 INTERCONNECT CONTROLS

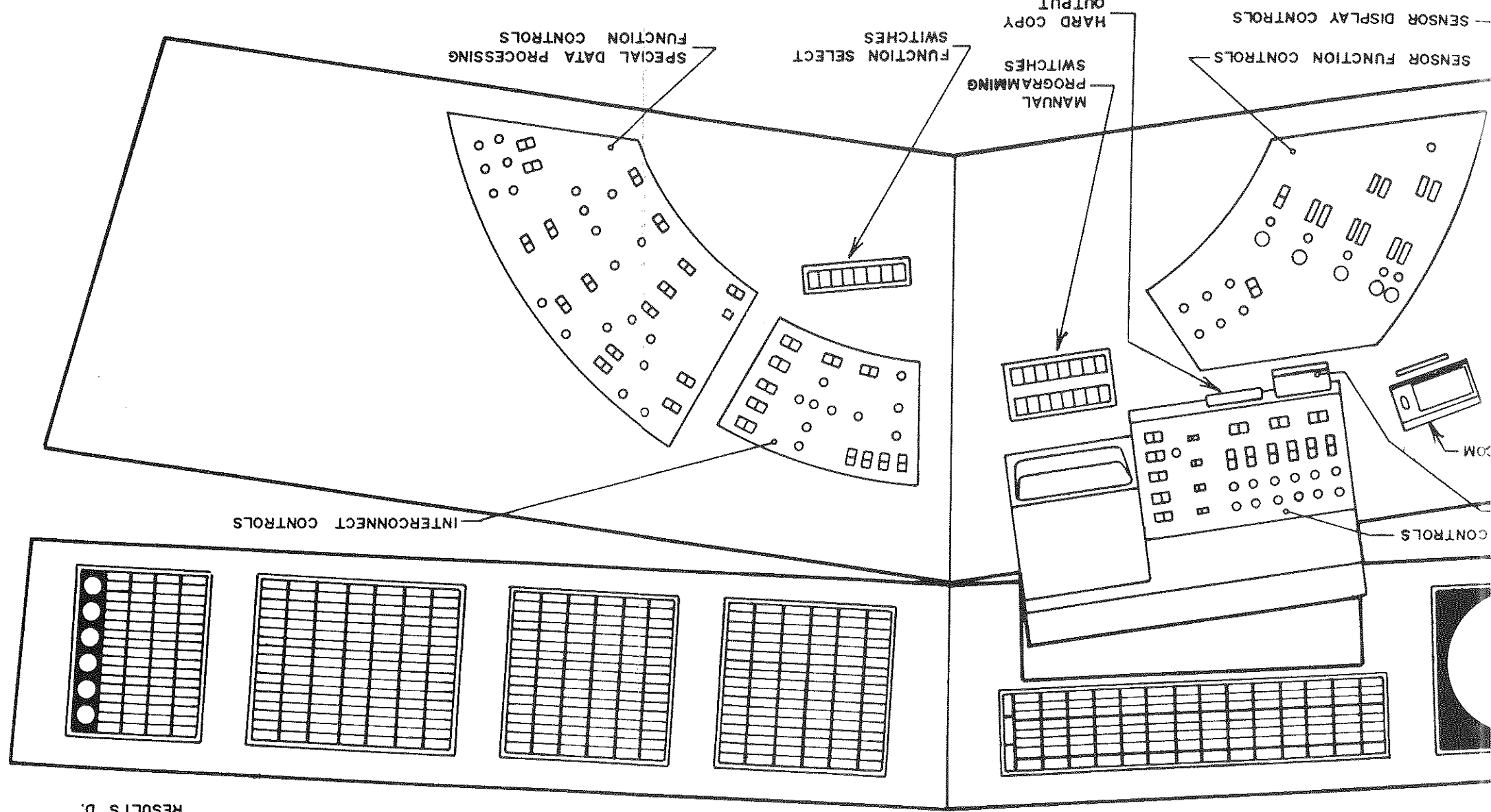
41 MASTER RESET
 31-34 MANUAL SENSE SWITCHES
 30 OUTPUT 26
 29 INPUT 25
 13-24 INPUT / OUTPUT SELECTOR: AUDIO RECORD-DECK INTERCONNECT PANEL
 1-12 INITIALIZATION CONTROLS

PRIMARY COMPUTER CONTROLS (LAYOUT TYPE H)
 1-12 CONFIGURATION CONTROLS
 13-24 INPUT / OUTPUT SELECTOR: AUDIO RECORD-DECK INTERCONNECT PANEL
 29 INPUT 25
 30 OUTPUT 26
 31-34 MANUAL SENSE SWITCHES
 41 MASTER RESET
 INTERCONNECT CONTROLS (LAYOUT TYPE E REVERSED)
 1-10 SIGNAL SOURCE / DESTINATION UNIT SELECTOR
 12 SELECT INPUT UNITS 11, SELECT OUTPUT UNITS
 16 RECORD PLAYBACK CONTROLS 13-15, CONNECT EARPIECE
 31 TAG 17, INTERCONNECTION RELEASE
 18-19 TRANSFER DATA TO RIGHT OVERHEAD DISPLAY
 20-21 TRANSFER DATA TO LEFT OVERHEAD DISPLAY
 32 TRANSFER DATA TO MAIN SCREEN
 30 INTERCONNECTION SELECTOR 22-29, INTERCONNECTION SETUP
 SPECIAL DATA PROCESSING FUNCTION CONTROLS

SENSOR FUNCTION CONTROLS (LAYOUT TYPE F)
 1 AUTO-TRACKING ENGAGE
 2 FORWARD SCAN
 3 PLANETARY SURFACE SCAN
 4-5 DEFINABLE SENSOR FUNCTIONS
 6 SENSOR TYPE SELECT: TAG / LOG
 7 INTERCONNECT P. TRAN. TO DIRECT D.
 8 ELECTROMAGNETIC: RADIO-INFRARED
 9 VISIBLE-X-RAY
 10 MAGNETIC FIELD
 11 PARTICLE RADIATION
 12 GRAVITATION (SPACE WARP)
 13 OBJECT
 14 LIFE 12-13
 15 COVERAGE APERTURE INCREASE (WIDE AREA SCAN)
 16 COVERAGE APERTURE DECREASE (NARROW AREA SCAN)
 17 SENSOR POSITION CONTROLS: UP 26, IN(CLOSE) 27, OUT(DISTANT) 28
 18 DOWN 29, LEFT 30, RIGHT 31

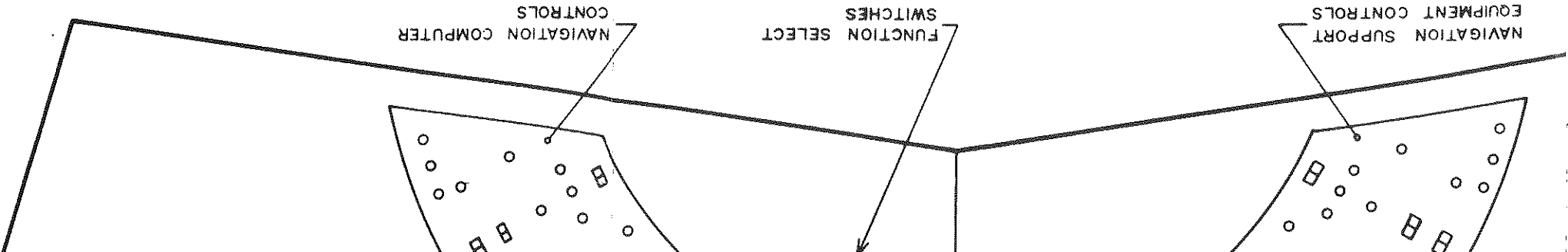
LIBRARY-COMPUTER STATION
 1 PANEL ENABLE
 2 PANEL LOCK
 3-5 REDUNDANT SYSTEM SELECTOR
 6-10 MEMORY BANK CONTROLS
 11-14 ERROR MONITOR
 15-21 NAVIGATION EQUATION PROCESSOR
 22 MASTER RESET
 23-26 INPUT / OUTPUT CONTROLLER
 27-32 CENTRAL PROCESSOR UNIT
 33-36 SUPPORT EQUIPMENT DATA LINKS
 37 LIBRARY COMPUTER DATA LINKS

(SPECIAL DATA PROCESSING FUNCTION CONTROLS CONTINUED)
 34-37 COMPARISON DATA SOURCE SELECT
 44-49 PREDEFINED FUNCTION SELECT
 7 PANEL LOCK
 6 PANEL ENABLE
 5 INDICATOR TEST
 SEE SHEET 9
 PRIMARY COMPUTER CONTROLS



STEP D. COMPUTER UNIT STATUS D.
 OPERATION ACTIVITY D.
 INTERCONNECT STATUS D.
 SPECIAL FUNCTIONS PROCESSING D.
 RESULTS D.

NAVIGATION SUB-SYSTEMS CHECKOUT STATION



LIBRARY-COMPUTER STATION

