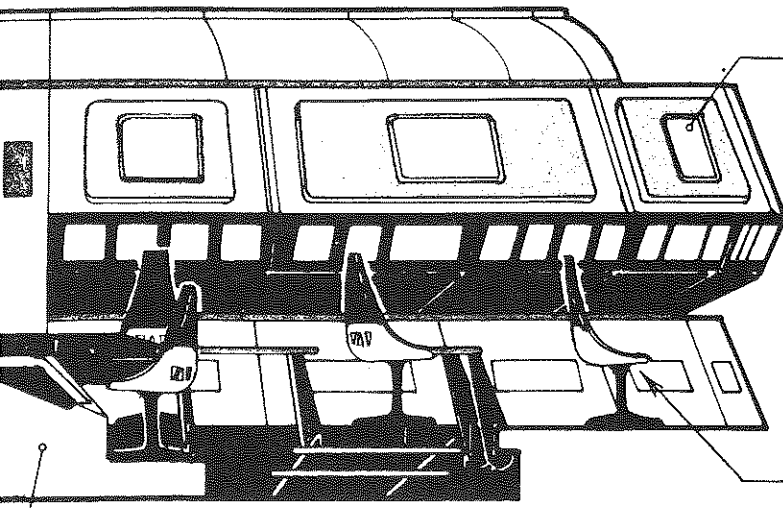


DEFENSE SYSTEMS MONITOR	WEAPONS CHECKOUT	NAVIGATION CHECKOUT
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HELM

BOW ELEVATION

DEFENCE MONITOR	WEAPONS CHECKOUT	NAVIGATION CHECKOUT	LIBRARY-COMPUTER	COMMUNICATIONS	PRIMARY EXIT ENTRY	TURBO ELEVATOR
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OVERHEAD DISPLAYS



CHAIRS

HELM

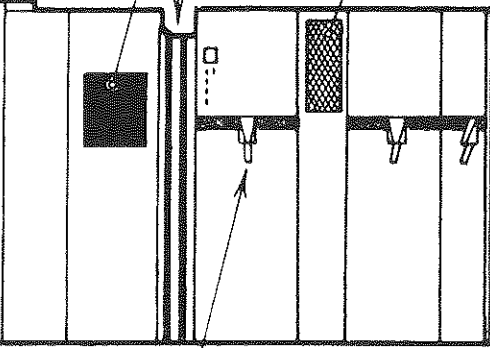
COMMAND CHAIR

STARBOARD ELEVATION

SHIPS LAYOUT CHART

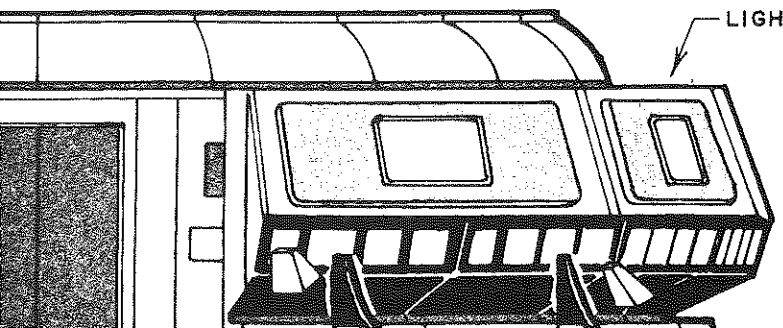
DOORS

MOVEMENT IND. PORT



GRAB HANDLE / ACTIVATE SWITCH (6 PLACES)

PRIMARY EXIT	ENGINEERING	ENVIRONMENTAL
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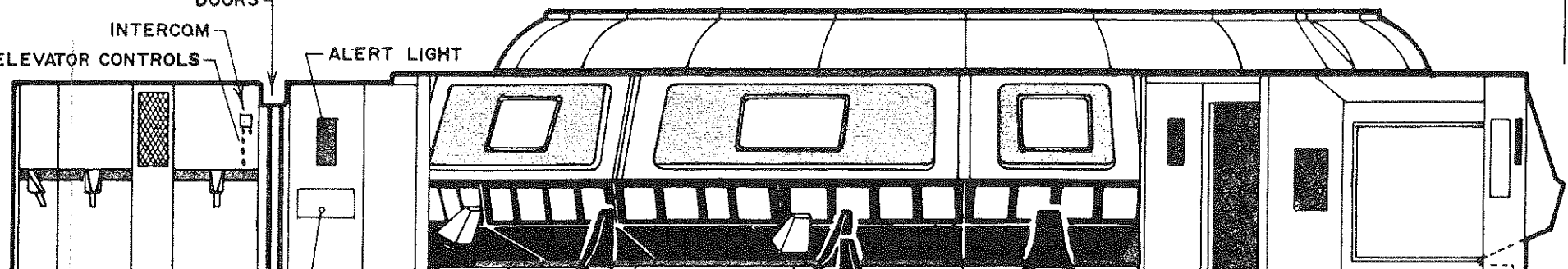


LIGHTING COVE

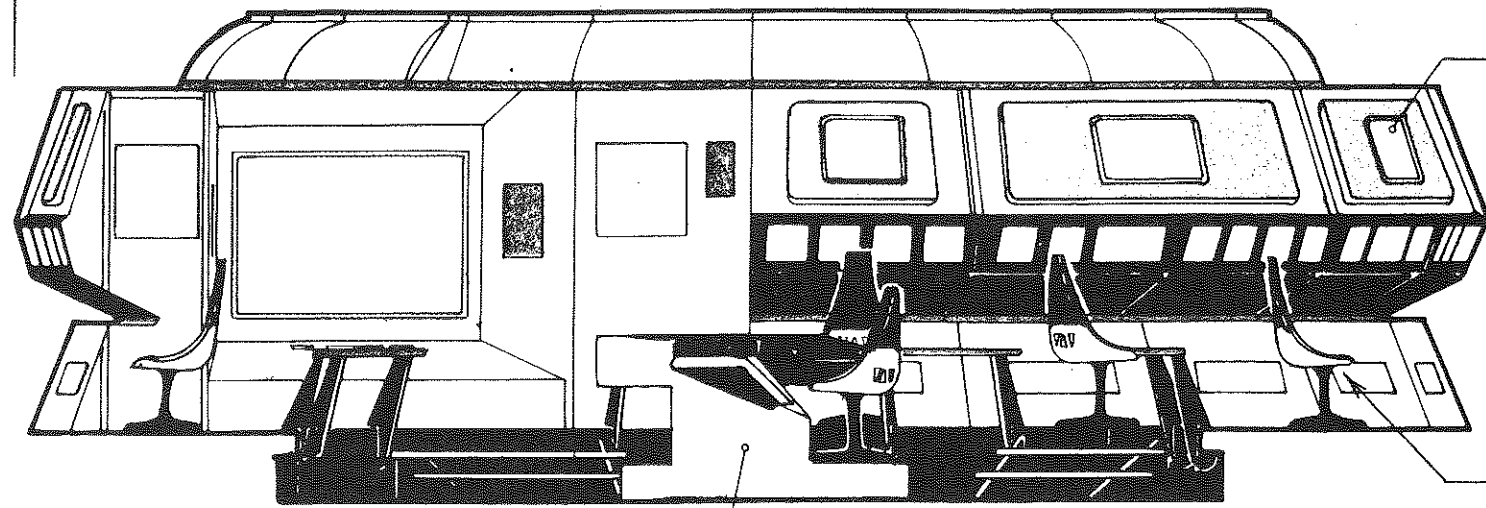
TURBO ELEVATOR	PRIMARY EXIT ENTRY	ENGINEERING	ENVIRONMENTAL	ENGINEERING CHECKOUT	SECONDARY EXIT	MAIN VIEW SCREEN
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DOORS
INTERCOM
MANUAL ELEVATOR CONTROLS

ALERT LIGHT

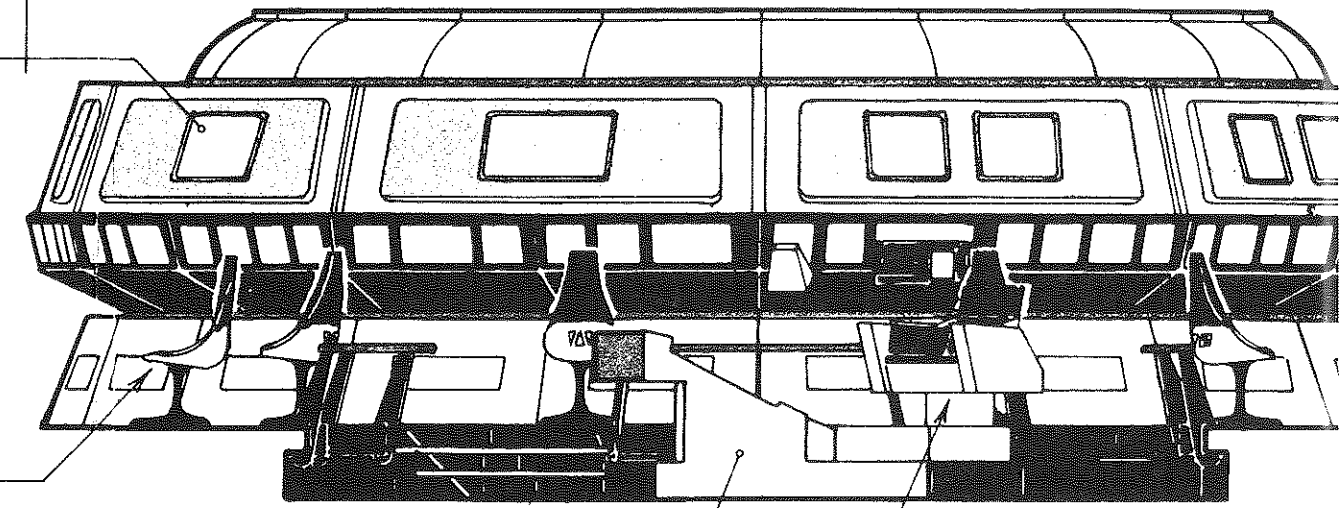


SECONDARY ENGINEERING CHECKOUT	EXIT ENTRY	MAIN VIEW SCREEN	DEFENSE SYSTEMS MONITOR	WEAPONS CHECKOUT	NAVIGATION CHECKOUT
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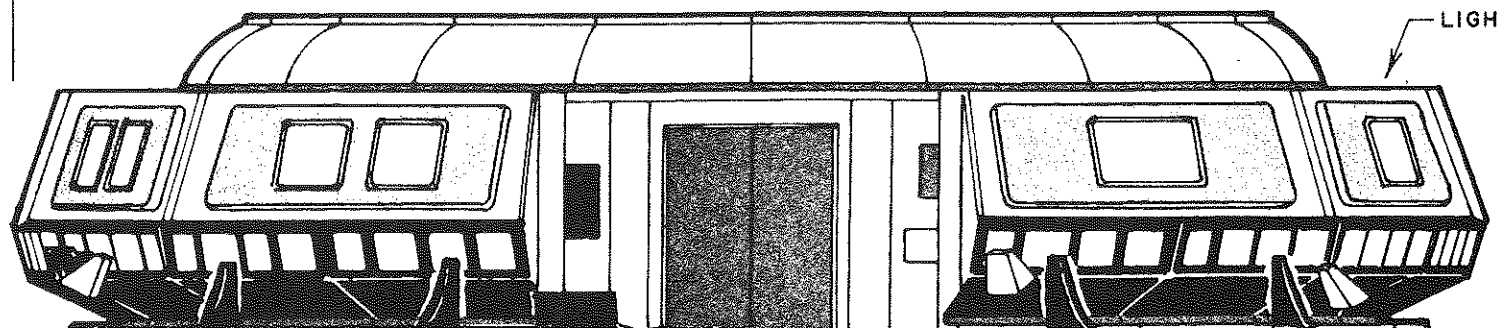
FORWORD ELEVATION

DEFENCE MONITOR	WEAPONS CHECKOUT	NAVIGATION CHECKOUT	LIBRARY-COMPUTER	COMMUNICAT
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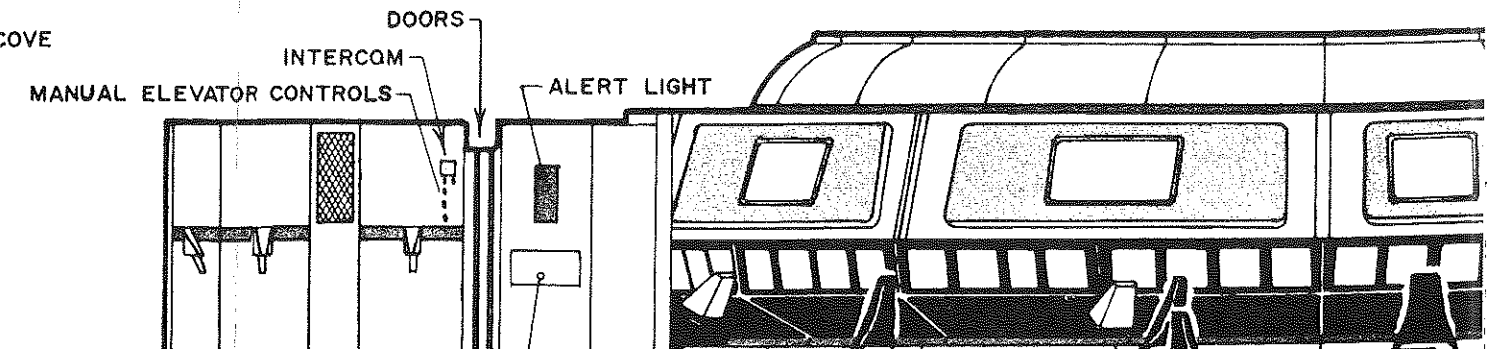


STARBOARD ELEVATION

LIBRARY- COMPUTER	COMMUNICATIONS	PRIMARY EXIT	ENGINEERING	ENVIRONMENTAL
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TURBO ELEVATOR	PRIMARY EXIT ENTRY	ENGINEERING	ENVIRONMENTAL	ENGINEERING CHECKOUT
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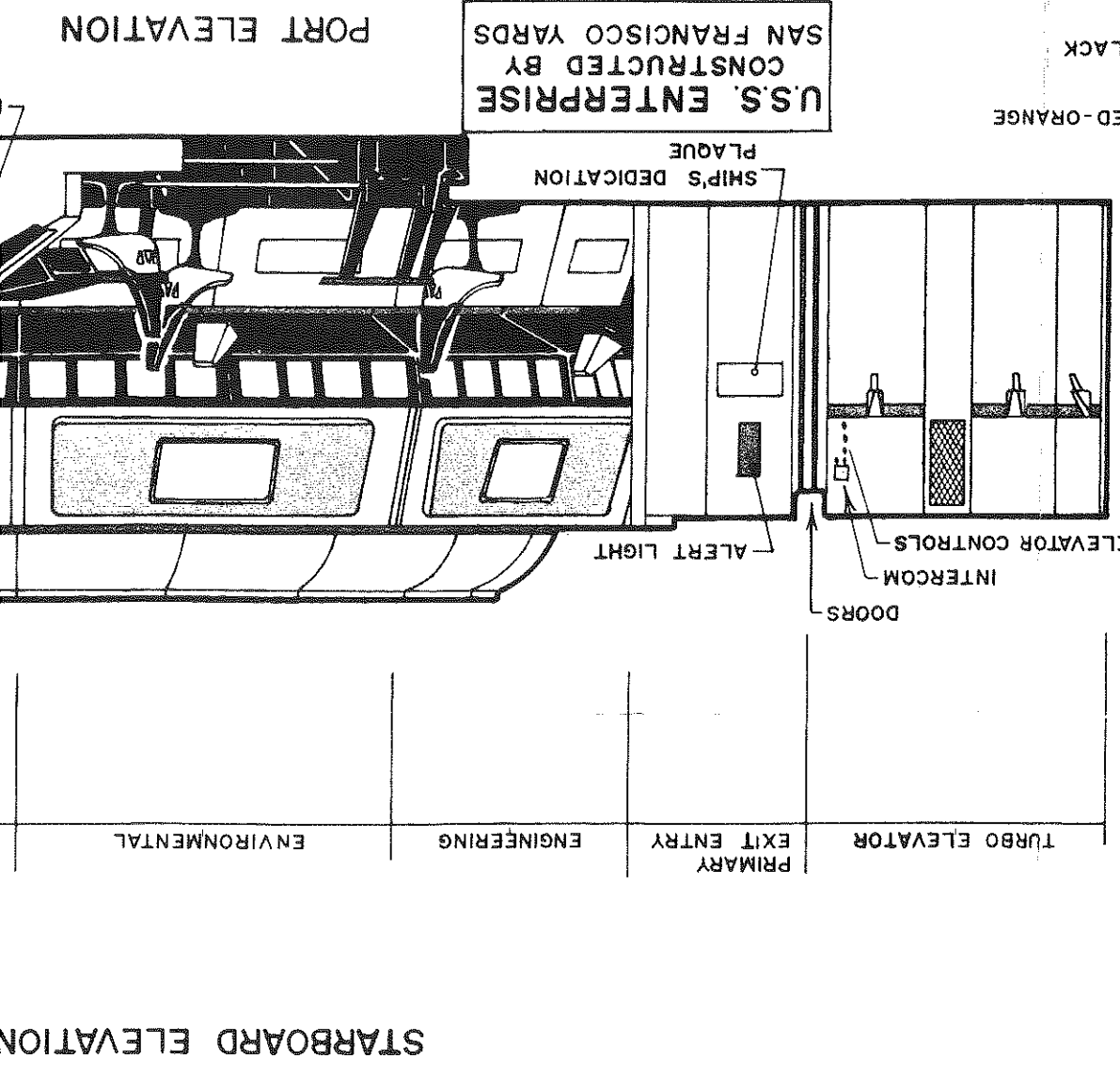
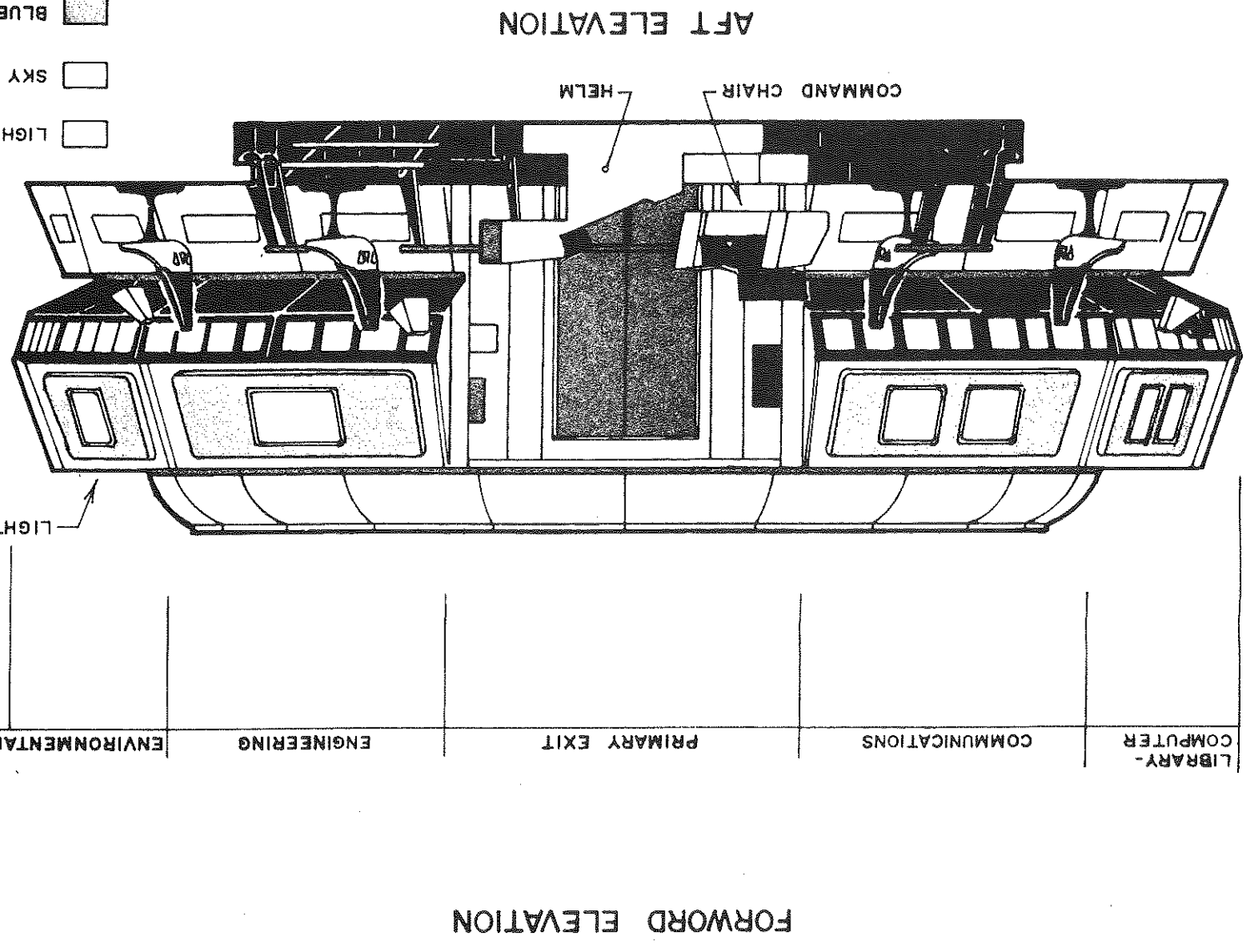


- GENERAL NOTES**
1. THESE DRAWINGS ARE FOR FAMILIARIZATION PURPOSES ONLY, SHOWING THE GENERAL STATION AND CONTROL SYSTEM ORGANIZATION. FOR DETAILED INSTRUCTIONS ON HOW TO OPERATE THE VARIOUS CONTROL SYSTEMS REFER TO "PRIMARY BRIDGE OPERATING PROCEDURES (CONSTITUTION CLASS STARSHIPS)"; TM: 533692. FOR ADDITIONAL INFORMATION ON SHIP'S SYSTEMS REFER TO "GENERAL SYSTEMS DESCRIPTION (CONSTITUTION CLASS STARSHIPS)"; TM: 566384.
 2. THESE DRAWING REFLECT ALL CHANGES MADE IN THE PRIMARY BRIDGE OF CONSTITUTION CLASS STARSHIPS AS OF STARDATE 5679.0, UP TO AND INCLUDING FIELD CHANGE ORDER FCO: 437083-063.
 3. TO DETERMINE THE CURRENT REVISION LEVEL OF THESE DRAWINGS REFER TO THE MOST RECENT EDITION OF "TECHNICAL PUBLICATIONS UP-DATE LISTING"; TM: 990067.

4. THE BRIDGE IS COMPOSED OF THREE MAJOR SECTIONS: EIGHT STATIONS MAKING UP AN OUTER RING, A COMMAND MODULE CONSISTING OF THE HELM AND THE COMMAND CHAIR, AND THE MAIN SCREEN.
5. EACH OF THE OUTER STATIONS IS MADE UP OF THREE AREAS: CONTROL PANELS FOR MANUAL INTERACTION, DISPLAY PANELS FOR THE SHOWING OF DATA, AND AN OVERHEAD DISPLAY FOR THE SHOWING OF IMAGES AND LARGE DETAILED DIAGRAMS. IN ADDITION SOME STATIONS ARE EQUIPPED WITH A HOODED ANALOG RASTER SCAN DISPLAY FOR THE RAW DATA DISPLAY OF THE SENSORS.
6. THE HELM SECTION OF THE COMMAND MODULE PROVIDES CENTRALIZED CONTROL OVER SHIP NAVIGATION, MANEUVERING, AND WEAPON CONTROL. THE HELM FUNCTIONS PANEL HAS SIX PROGRAM-MABLE OVERLAYS SELECTED BY THE LOWER MOST ROW OF BUTTONS. THE FORWARD SCANNER / COURSE DEVIATION PLOTTER ON THE NAVIGATION STATION PROVIDES A CONTINUOUS DISPLAY OF THE AREA DIRECTLY AHEAD OF THE SHIP.

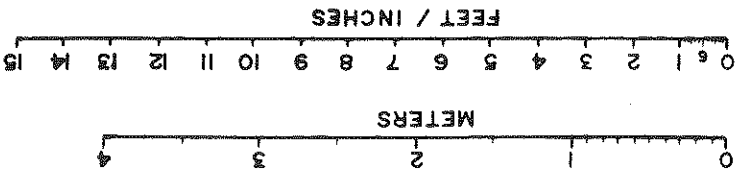
7. THE COMMANDING OFFICER'S STATION (COMMAND CHAIR) CONTAINS CONTROLS WHICH PROVIDE THE FINAL AUTHORITY FOR ANY SHIP ACTION REQUIRING A COMMAND DECISION. IT IS MANNED BY THE MOST SENIOR OFFICER ON DUTY. THE CHAIR ITSELF IS ADJUSTABLE IN SEVERAL DIRECTIONS TO ACCOMMODATE THE PERSON USING IT.
8. THE MAIN SCREEN PROVIDES A COMPUTER ENHANCED VIEW OF THE AREA AROUND THE SHIP. CONTROLS ON THE HELM SELECT THE DIRECTION OF VIEW, MAGNIFICATION, SPECTRUM SHOWN, AND THE TYPE OF IMAGE PROCESSING.
9. ALL STATIONS OPERATE THROUGH THE SHIP'S MAIN COMPUTER FACILITY WHICH PROVIDES DATA COLLECTION, PROCESSING, AND DISPLAY GENERATION. IN ADDITION DIRECT BACK-UP LINKS ARE PROVIDED TO CRITICAL SHIP'S SYSTEMS.
10. ALL STATIONS OPERATE ON THE CONTROL BY EXCEPTION PRINCIPLE IN WHICH DISPLAYED DATA IS UP-DATED ONLY WHEN THERE IS A CHANGE OR WHEN SPECIFICALLY REQUESTED.

11. SEVERAL STATIONS ARE EQUIPPED WITH A MAINTENANCE AND TEST (M & T) PANEL. THIS PANEL MAKES IT POSSIBLE TO RUN DETAILED TESTS ON ANY PIECE OF EQUIPMENT CONTROLLED BY THAT STATION. THE EQUIPMENT TO BE TESTED IS SELECTED FROM ONE OF THE OTHER CONTROL PANELS AND THEN THE CONTROLS OF THE MAINTENANCE AND TEST (M & T) PANEL ARE USED TO OPERATE IT. TEST RESULTS ARE SHOWN ON TWO OF THE DISPLAY PANELS AND AT TIMES THE OVERHEAD DISPLAY PANEL IS ALSO CAPABLE OF RECONFIGURING EQUIPMENT AND CHANGING ITS OPERATING CHARACTERISTICS.
12. MOST CONTROLS ARE PROGRAMMABLE, THEIR FUNCTION CHANGES DEPENDING UPON THE TYPE OF OPERATION SELECTED.
13. ALL BUTTONS SHOWN ON THESE DRAWINGS, EXCEPT TYPE NUMBER 4, ARE TOUCH SENSORS. THEY ARE PROVIDED TO SIGNIFY ACTUATION.



—HELM —COMMAND CHAIR

SMT ELEVATIONS
SMT 2 OF 10
 STAFF:
 MICHAEL McMASTER — PROJECT CHIEF
 JOHN UPTON — TECHNOLOGICAL CONSULTANT
 JEFF MAYNARD-SYSTEMS DISTRIBUTION CONSULTANT
 WILLIAM McMASTER — PROOF READER



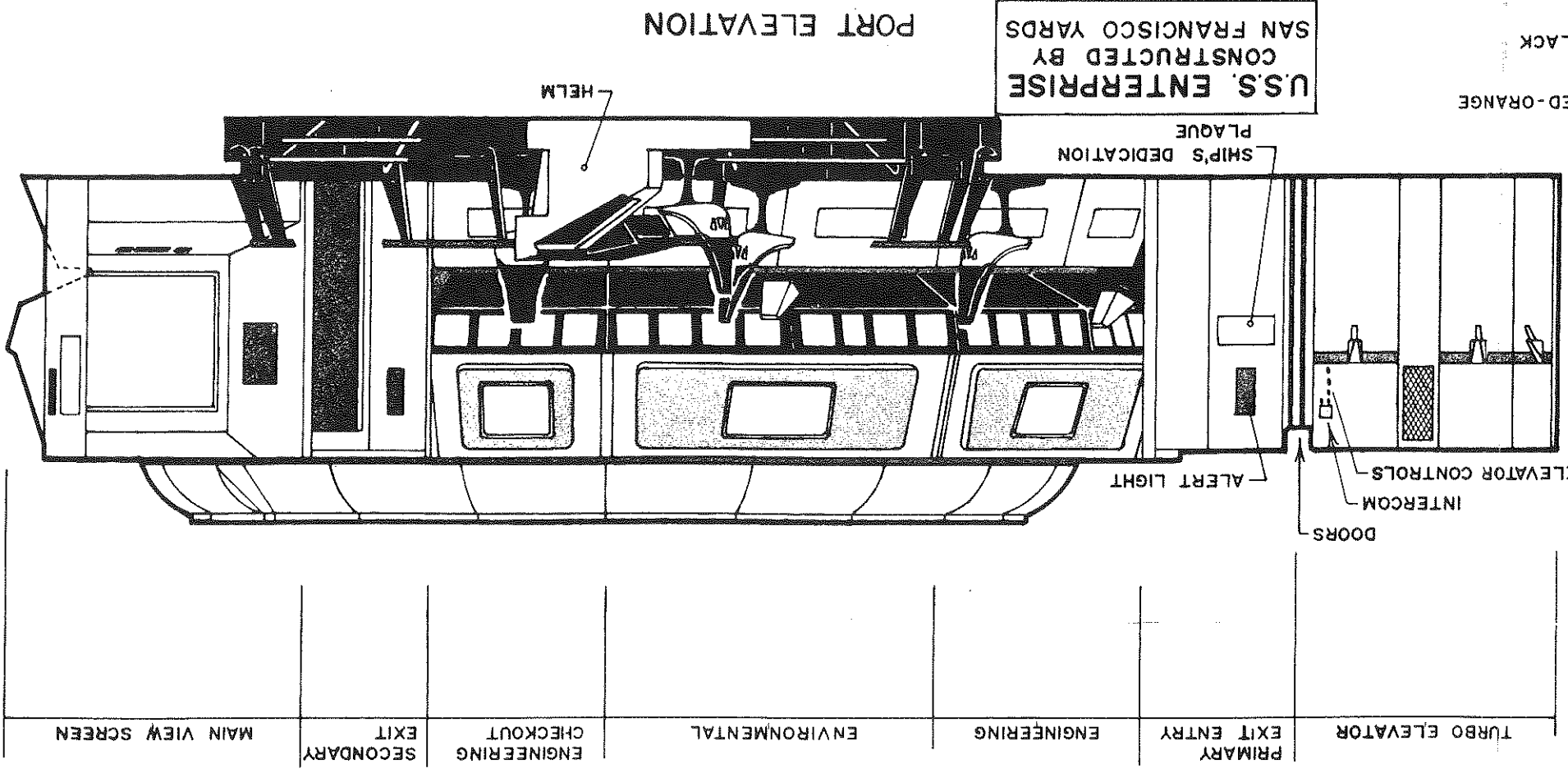
UNIVERSAL = 1:48

14. REFER ALL QUESTIONS CONCERNING VARIATIONS OR INCONCISTENCIES DUE TO INDIVIDUAL SHIP MODIFICATIONS OR CHANGES TO: STAR FLEET COMMAND TECHNICAL PUBLICATIONS SECTION

11. SEVERAL STATIONS ARE EQUIPPED WITH A MAIN-TENANCE AND TEST (M & T) PANEL. THIS PANEL MAKES IT POSSIBLE TO RUN DETAILED TESTS ON ANY PIECE OF EQUIPMENT CONTROLLED BY THAT STATION. THE EQUIPMENT TO BE TESTED IS SELECTED FROM ONE OF THE OTHER CONTROL PANELS AND THEN THE CONTROLS OF THE M & T PANEL ARE USED TO OPERATE IT. TEST RESULTS ARE SHOWN ON TWO OF THE DISPLAY PANELS AND AT TIMES THE OVERHEAD DISPLAY. THE M & T PANEL IS ALSO CAPABLE OF RECONFIGURING EQUIPMENT AND CHANGING ITS OPERATING CHARACTERISTICS.
12. MOST CONTROLS ARE PROGRAMMABLE, THEIR FUNCTION CHANGES DEPENDING UPON THE TYPE OF OPERATION SELECTED.
13. ALL BUTTONS SHOWN ON THESE DRAWINGS, EXCEPT TYPE NUMBER 4, ARE TOUCH SENSORS. THEY DO NOT PUSH, A VISUAL OR AUDIBLE SIGNAL IS PROVIDED TO SIGNIFY ACTUATION.

7. THE COMMANDING OFFICER'S STATION (COMMAND CHAIR) CONTAINS CONTROLS WHICH PROVIDE THE FINAL AUTHORITY FOR ANY SHIP ACTION REQUIRING A COMMAND DECISION. IT IS MANNED BY THE MOST SENIOR OFFICER ON DUTY. THE CHAIR ITSELF IS ADJUSTABLE IN SEVERAL DIRECTIONS TO ACCOMMODATE THE PERSON USING IT.
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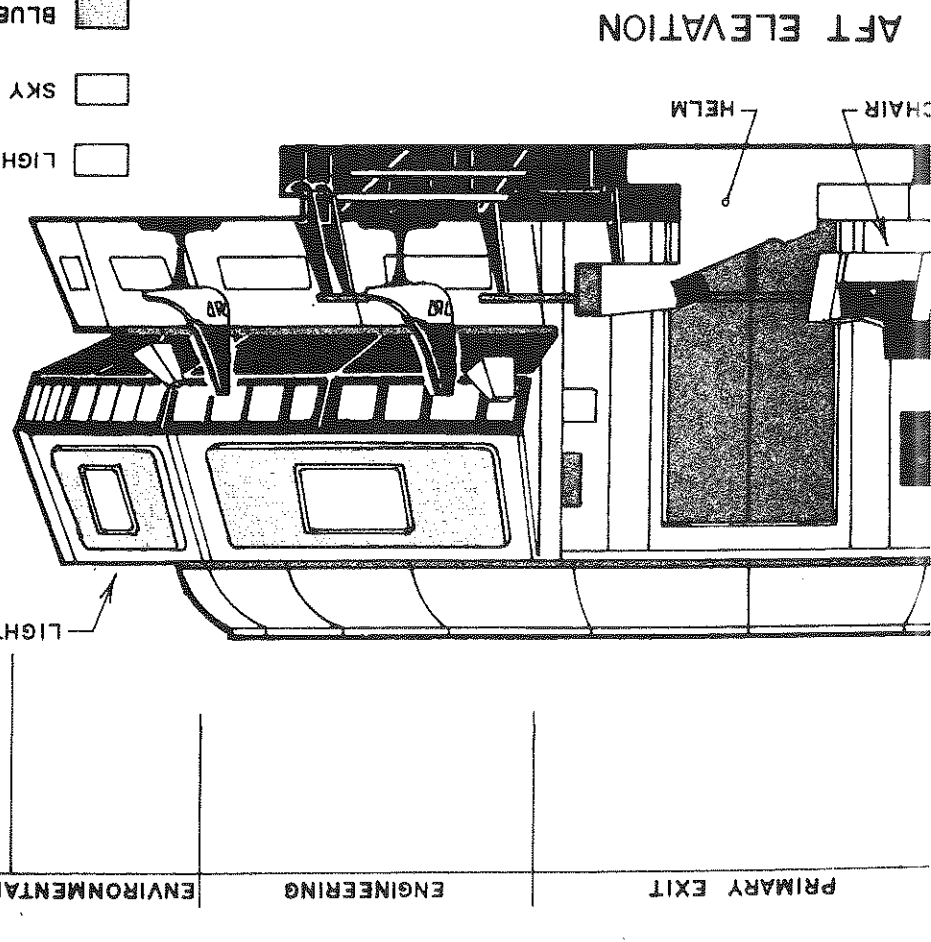
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STARBOARD ELEVATION

Color Legend:

- BLUEGRAY
- SKY BLUE
- LIGHT GRAY
- RED-ORANGE
- BLACK



FORWARD ELEVATION

—HELM
 —COMMAND CHAIR