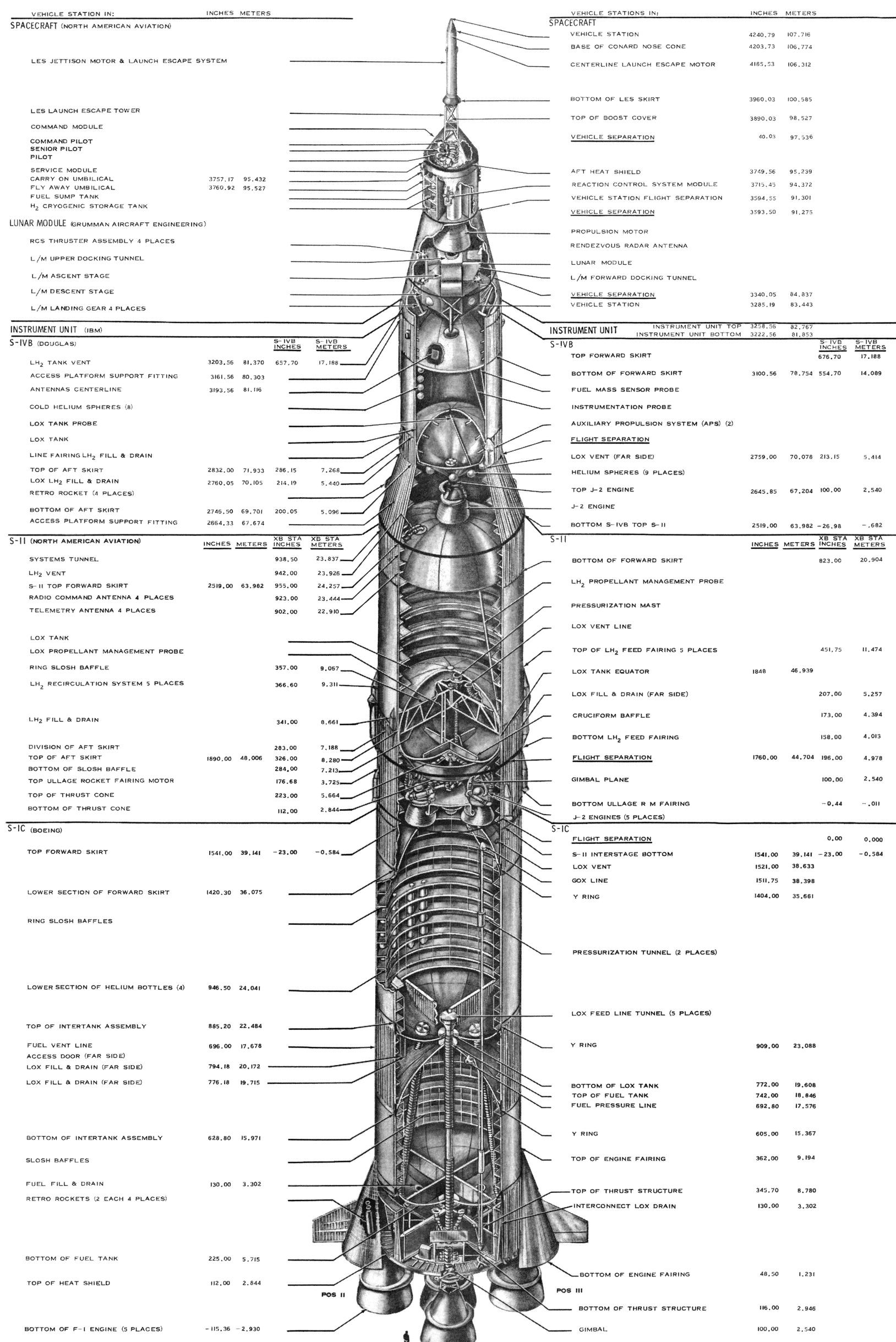
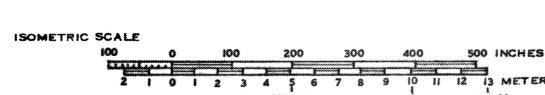


SATURN V APOLLO FLIGHT CONFIGURATION

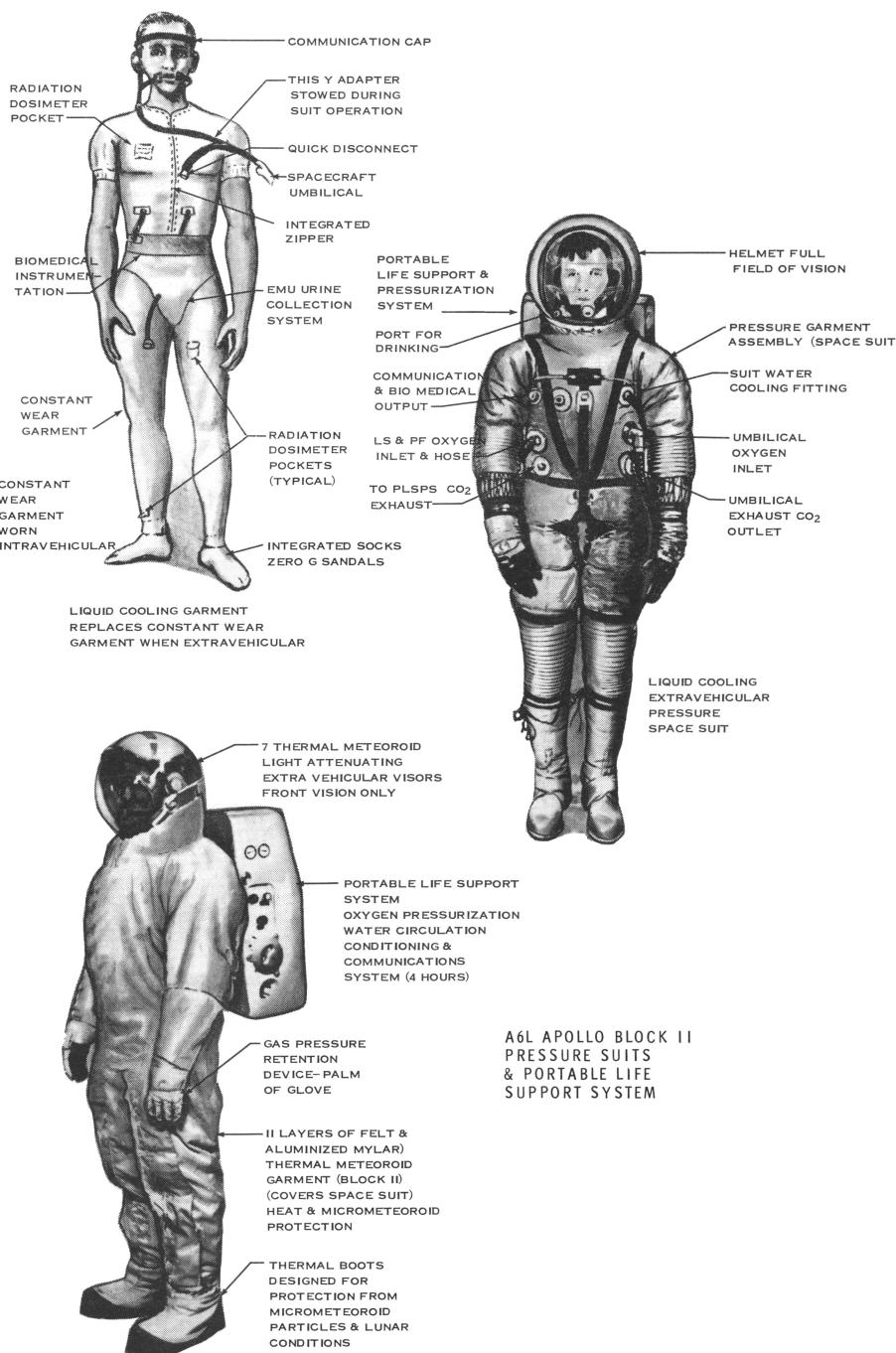
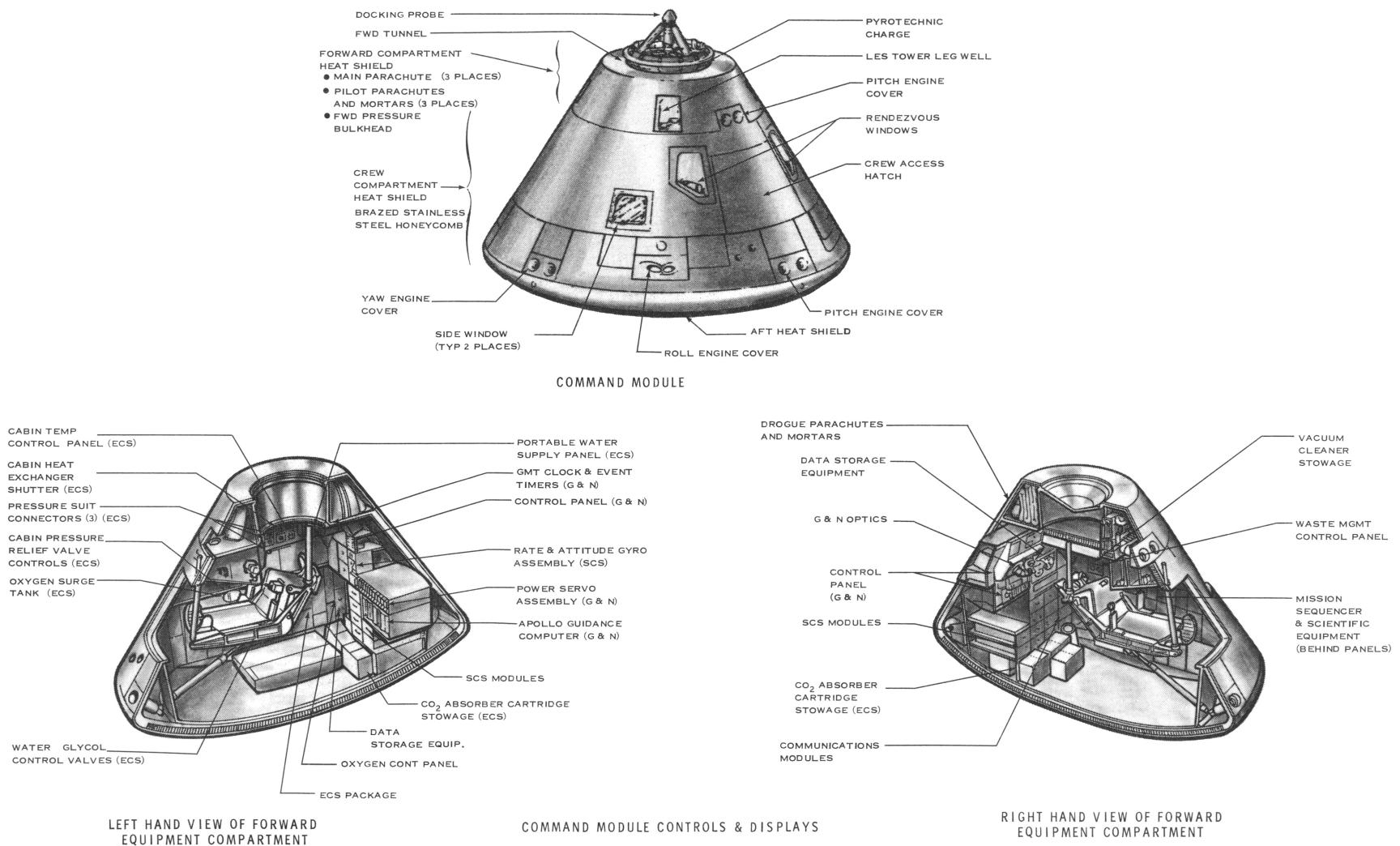


NOTE: S-IC STAGE ROTATED 45° COUNTER CLOCKWISE FOR CLARITY



| | | |
|---|--|---|
| SHEET 1 OF 2 | | SATURN APOLLO 500 SERIES |
| THE BOEING COMPANY | | SPACE DIVISION, LAUNCH SYSTEMS BRANCH |
| | | HUNTSVILLE, ALA 35807 |
| SATURN V APOLLO | | FLIGHT CONFIGURATION |
| THE HEROICRELICS WEB SITE | | RELICS OF THE HEROIC AGE OF MANNED SPACE FLIGHT |
| | | HTTP://HEROICRELICS.ORG |
| DRAWING ORIGINATED BY: | | DATE: 1 JANUARY 1968 |
| HUNTSVILLE | | DRAWN BY: |
| ENGINEERING | | DON SPRAGUE |
| FOR ADDITIONAL COPIES CONTACT PUBLIC RELATIONS OFFICE, P. O. BOX 1680 OR PHONE 205-895-0520 | | |

SATURN V APOLLO FLIGHT CONFIGURATION



| | FEET | LENGTH INCHES | METERS | FEET | DIAMETER INCHES | METERS | POUNDS |
|---|--------|------------------|---------|-------|--------------------|--------|-------------------|
| APOLLO SPACECRAFT (NORTH AMERICAN AVIATION) | | | | | | | |
| TOTAL | 81,865 | 982,380 | 24,952 | | | | 93,420 33,745 |
| LAUNCH ESCAPE SYSTEM | 33,396 | 400,762 | 10,129 | | | | 8,420 |
| LES JETTISON MOTOR | 23,538 | 282,462 | 7,174 | 2,166 | 26 | .660 | |
| COMMAND MODULE | 11,125 | 133,500 | 3,391 | | | | 11,250 |
| SERVICE MODULE | 13,500 | 162,000 | 4,115 | 12,83 | 154 | 3,911 | 40,450 10,275 |
| SPACECRAFT L/M ADAPTER | 28,000 | 336,000 | 8,534 | | | | 3,800 3,800 |
| LUNAR MODULE (GRUMMAN AIRCRAFT ENGINEERING) | 19,3 | 231,6 | 5,882 | | | | 29,500 |
| L/M LUNAR LAUNCH STAGE | 9.5 | 114.0 | 2,895 | | | | |
| L/M LUNAR LANDNG STAGE | 9.8 | 117.6 | 2,987 | | | | |
| LAUNCH VEHICLE INSTRUMENT UNIT (IBM) | 3 | 36 | .914 | | | | 4,661 |
| S-IVB THIRD STAGE (DOUGLAS) | 58,63 | 704,00 | 17,881 | 21,66 | 260 | 6,604 | 264,998 26,472 |
| (1) J2 ENGINE 200,000 POUNDS THRUST (2) S-IVB ULLAGE MOTORS (THIOKOL) 2848 POUNDS THRUST EACH | | | | | | | |
| S-II S-IVB INTERSTAGE (DOUGLAS) | 18,958 | 227.5 | 5,778 | | | | 7,611 8,536 |
| (4) RETRO ROCKETS (THIOKOL) 34,800 POUNDS THRUST EACH | | | | | | | |
| S-II SECOND STAGE (NAA) | 81,50 | 978 | 24,841 | 33.00 | 396 | 10,058 | 1,031,455 88,200 |
| (5) J-2 ENGINES 1,000,000 POUNDS THRUST | | | | | | | |
| S-IC S-II INTERSTAGE (NAA) | 18,25 | 219 | 5,562 | 33.00 | 396 | 10,058 | 14,920 12,200 |
| (8) ULLAGE ROCKETS (ROCKETDYNE) 22,900 POUNDS THRUST EACH | | | | | | | |
| S-IC FIRST STAGE BOOSTER (BOEING) | 138.03 | 1656.36 | 42.071 | 33.00 | 396 | 10,058 | 4,698,340 305,200 |
| LOX TANK | 64,083 | 769.00 | 19.532 | | | | |
| FUEL TANK | 43,083 | 517.00 | 13,131 | | | | |
| (8) RETRO ROCKETS (THIOKOL) 91,610 POUNDS THRUST EACH | | | | | | | |
| FIN SPAN | 62.73 | 752.77 | 19.12 | | | | |
| (5) F-1 ENGINES 7.5 MILLION POUNDS THRUST | | | | | | | |
| TOTAL LIFTOFF VEHICLE LENGTH | 363.01 | 4356.14 | 110,646 | | | | 6,115,403 |

SHEET 2 OF 2

SATURN APOLLO 500 SERIES

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|--|
| THE BOEING COMPANY SPACE DIVISION, LAUNCH SYSTEMS BRANCH HUNTSVILLE, ALA 35807 |
| SATURN V APOLLO FLIGHT CONFIGURATION |
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| DRAWING ORIGINATED BY: HUNTSVILLE ENGINEERING DATE: 1 JANUARY 1968 DRAWN BY: DON SPRAGUE |
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