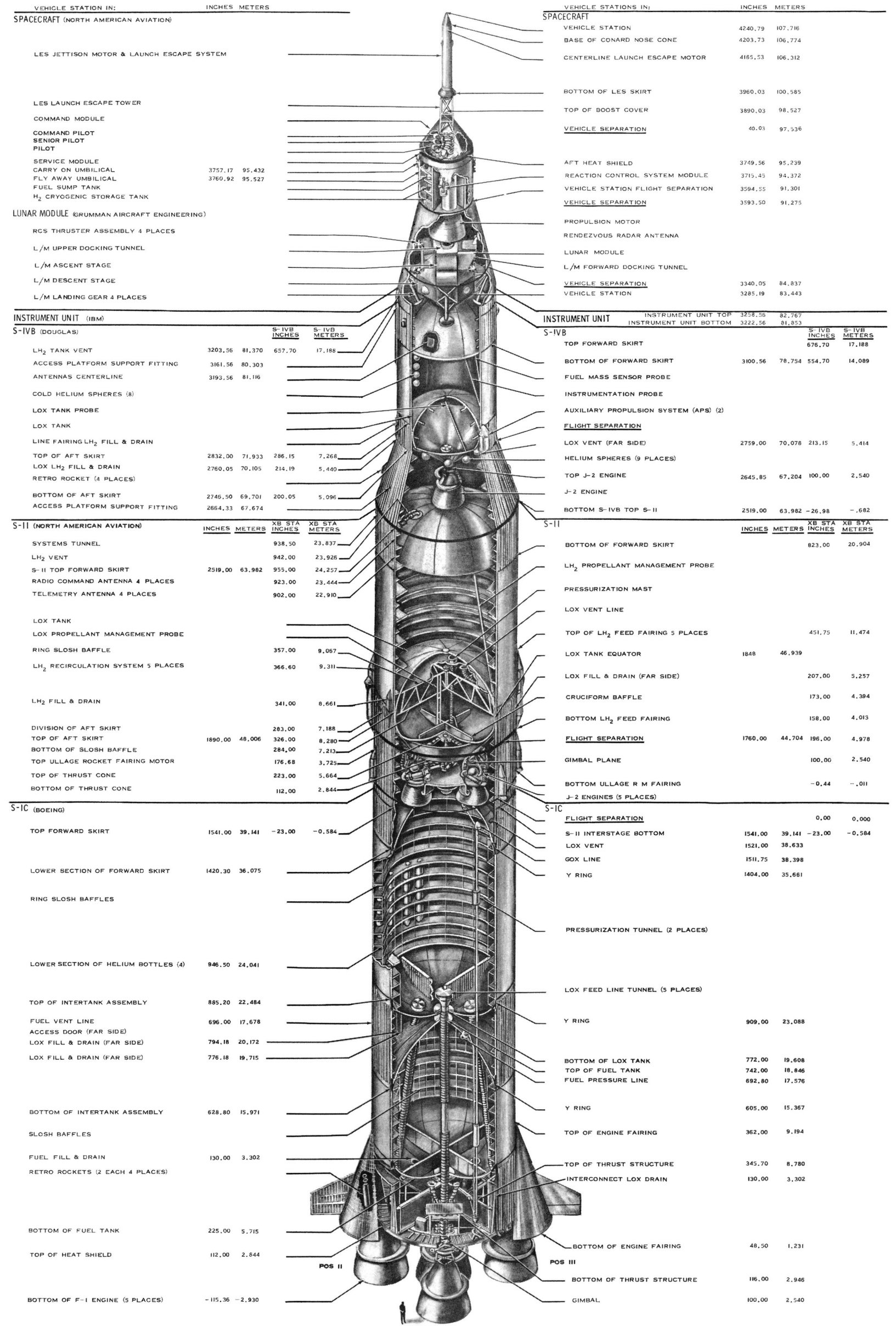
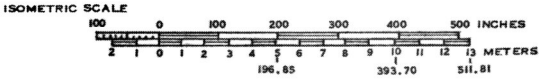


SATURN V APOLLO FLIGHT CONFIGURATION



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:

HUNTSVILLE

ENGINEERING

DATE: 1

JANUARY 1968

DRAWN BY:

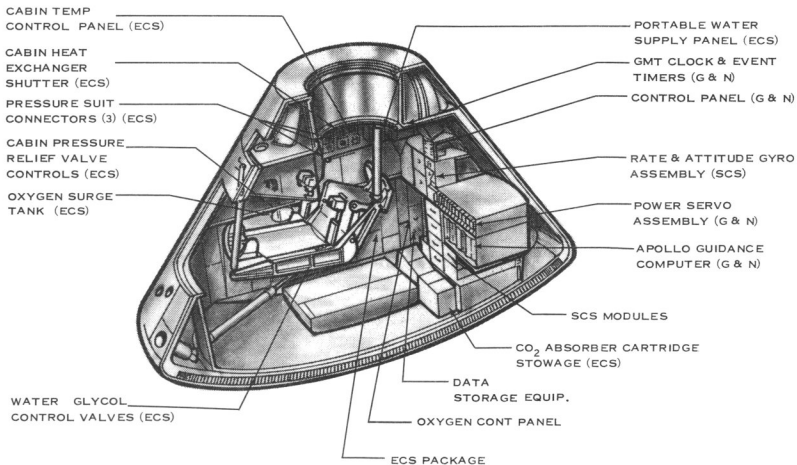
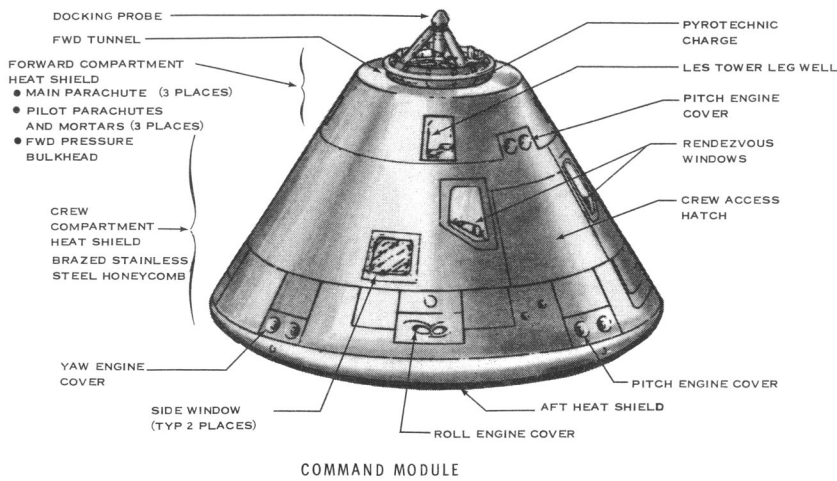
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FOR ADDITIONAL COPIES CONTACT

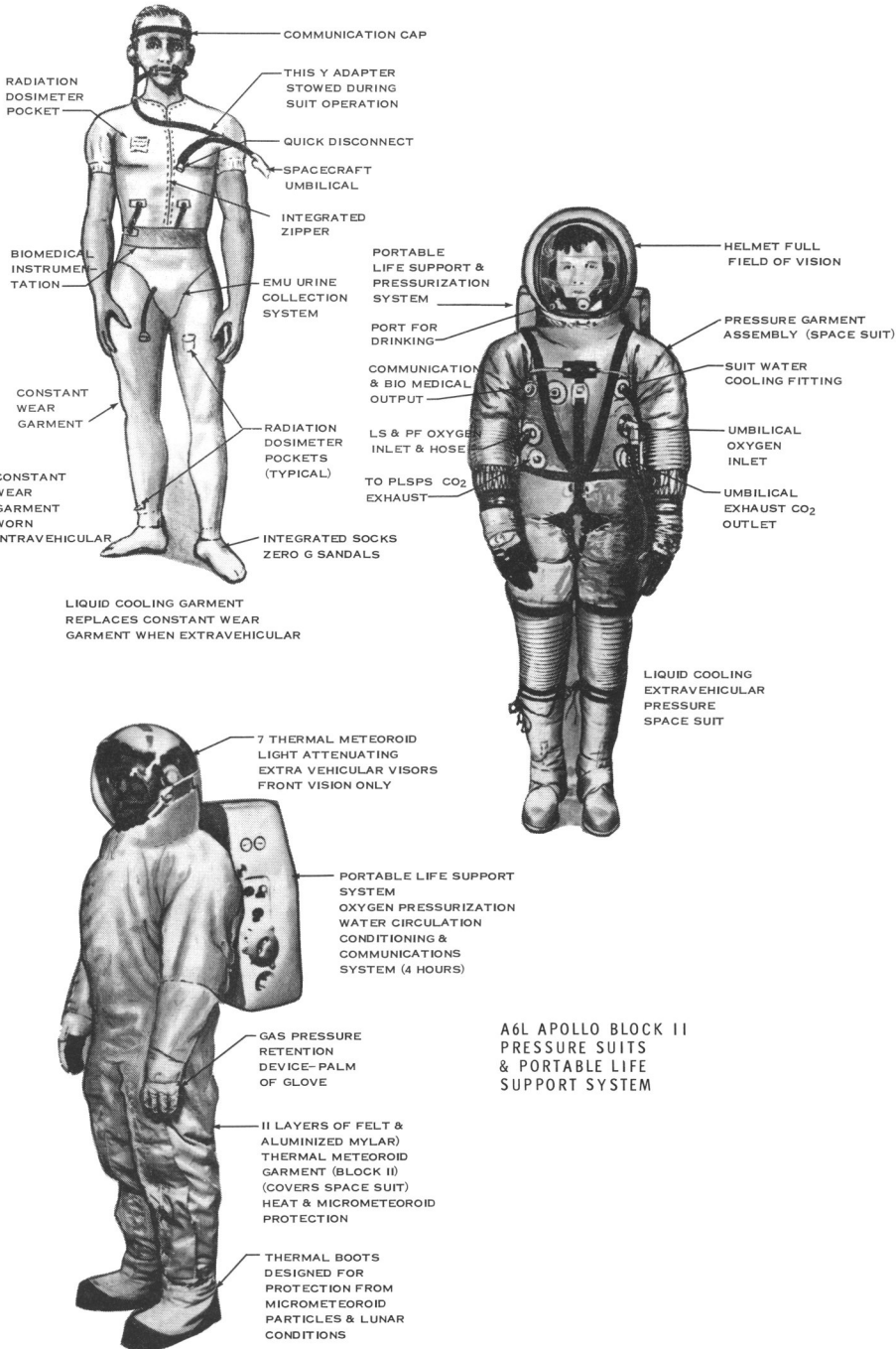
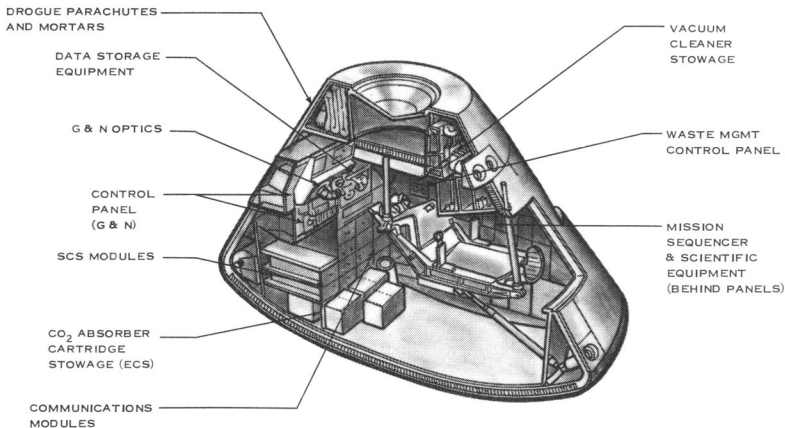
PUBLIC RELATIONS OFFICE, P. O. BOX 1860

OR PHONE 205-895-0320

SATURN V APOLLO FLIGHT CONFIGURATION



COMMAND MODULE CONTROLS & DISPLAYS



| | FEET | LENGTH INCHES | METERS | FEET | DIAMETER INCHES | METERS | POUNDS WET WT. | POUNDS DRY WT. |
|---|--------|---------------|---------|-------|-----------------|--------|----------------|----------------|
| 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 LANDING 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 (THIOL) 2848 POUNDS THRUST EACH | | | | | | | | |
| S-II S-IVB INTERSTAGE (DOUGLAS) | 18.958 | 227.5 | 5.778 | | | | 7,611 | 8,536 |
| (4) RETRO ROCKETS (THIOL) 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 (THIOL) 91,610 POUNDS THRUST EACH | | | | | | | | |
| FIN SPAN | 62.73 | 752.77 | 19.12 | | | | | |
| (5) F-1 ENGINES 7.5 MILLION POUNDS THRUST | | | | | | | | |
| TOTAL LIFTOFF | | | | | | | 6,115,403 | |
| VEHICLE LENGTH | 363.01 | 4356.14 | 110.646 | | | | | |