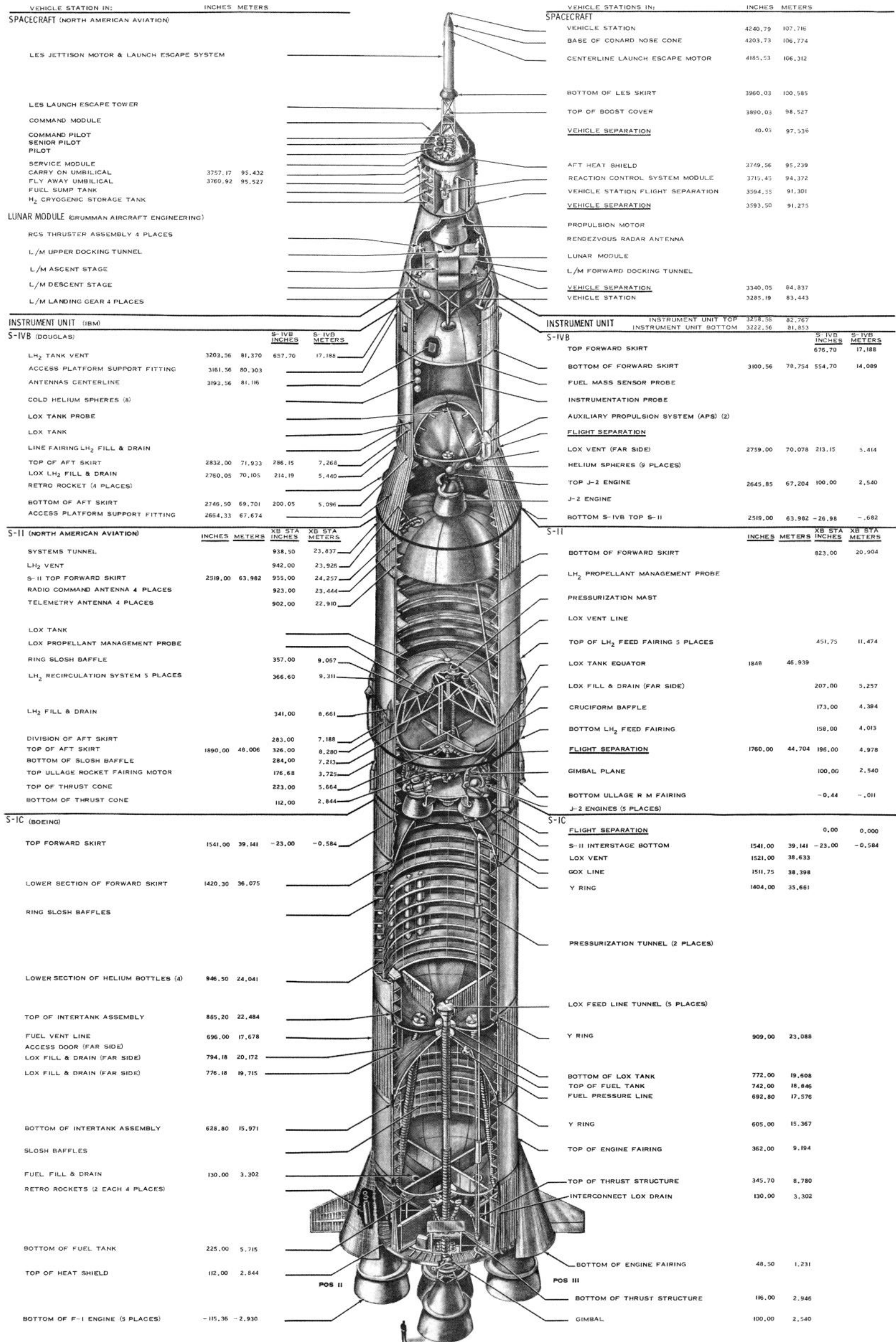
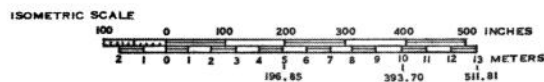


SATURN V APOLLO FLIGHT CONFIGURATION



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

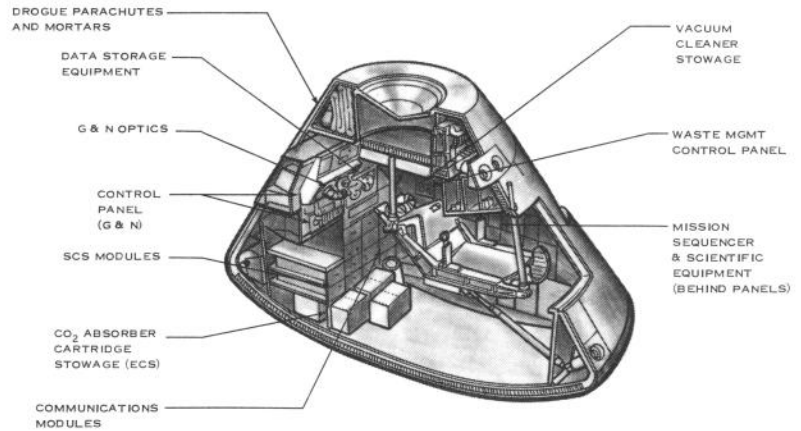
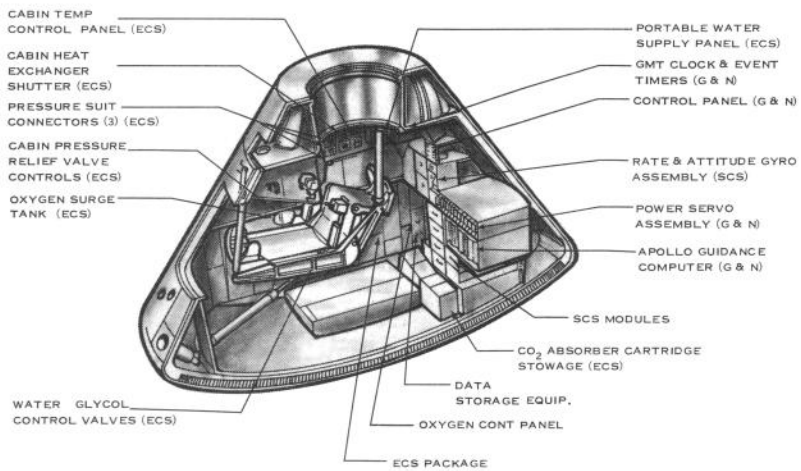
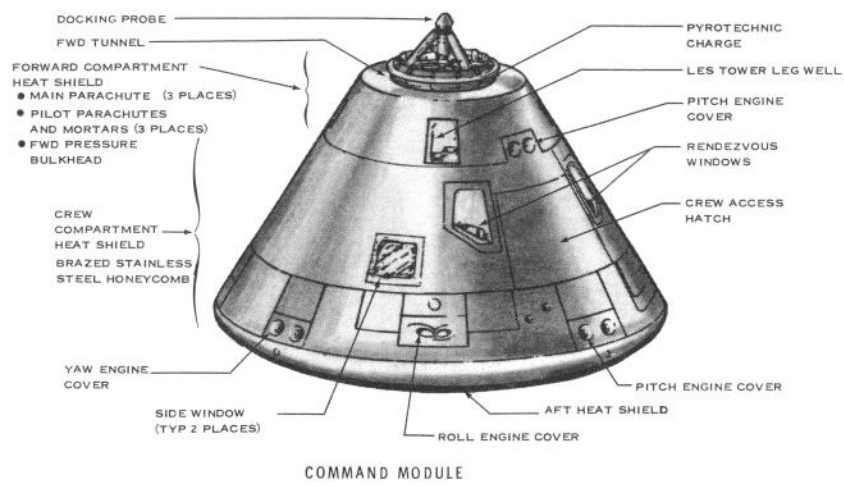
SATURN V APOLLO
FLIGHT CONFIGURATION

THE **HEROICRELIQS** WEB SITE
RELIQS OF THE HEROIC AGE OF MANNED
SPACE FLIGHT
[HTTP://HEROICRELIQS.ORG](http://heroicreliqs.org)

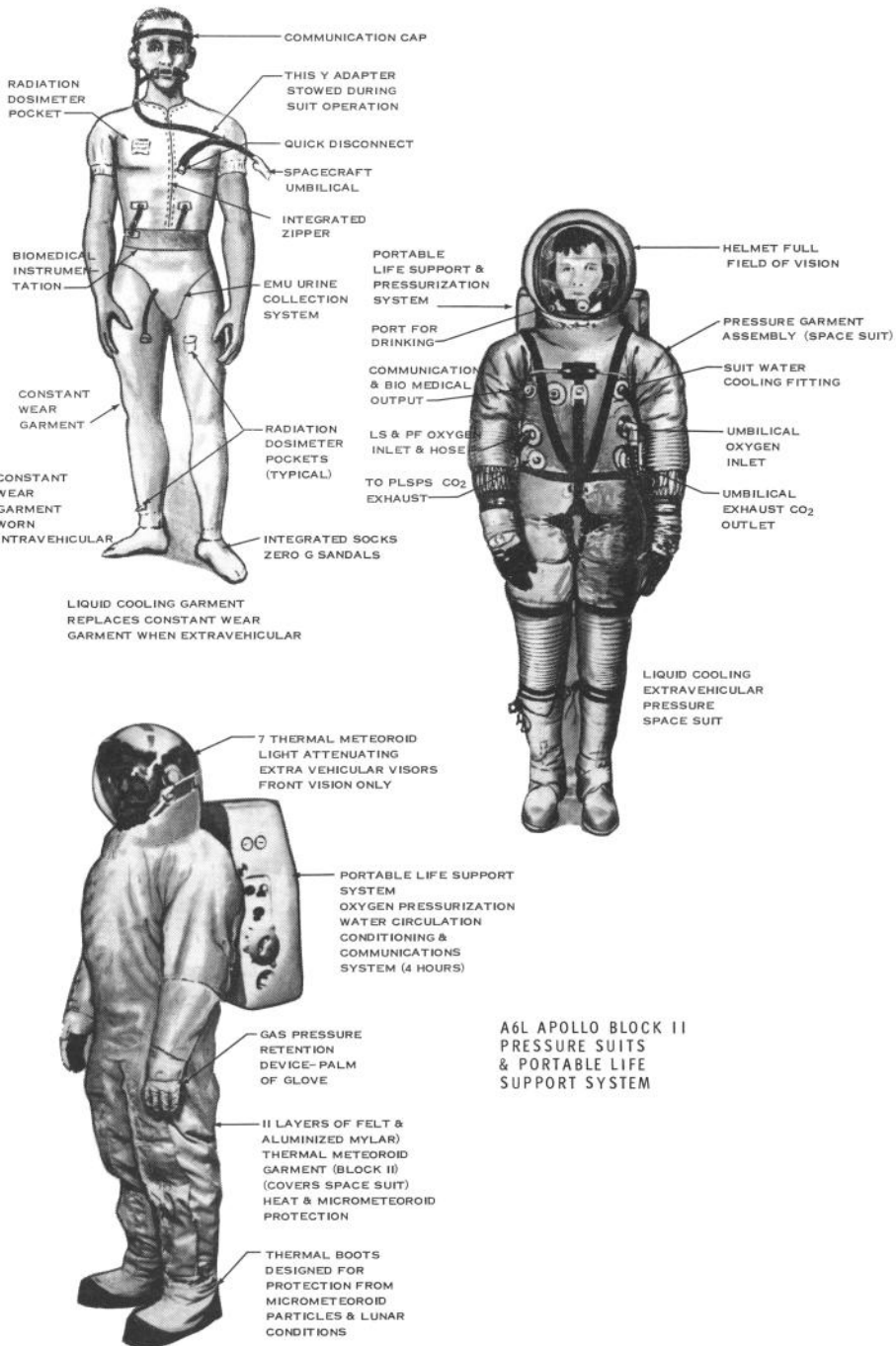
DRAWING ORIGINATED BY: HUNTSVILLE ENGINEERING
DATE: 1 JANUARY 1968
DRAWN BY: DON SPRAGUE

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PUBLIC RELATIONS OFFICE, P. O. BOX 1680
OR PHONE 205-895-0320

SATURN V APOLLO FLIGHT CONFIGURATION



COMMAND MODULE CONTROLS & DISPLAYS



	LENGTH		DIAMETER		POUNDS	
	FEET	INCHES	FEET	INCHES	WET WT.	DRY WT.
APOLLO SPACECRAFT (NORTH AMERICAN AVIATION)						
TOTAL	81.865	982.380			93,420	33,745
LAUNCH ESCAPE SYSTEM	33.396	400.762				8,420
LES JETTISON MOTOR	23.538	282.462	7.174			
COMMAND MODULE	11.125	133.500	3.391			
SERVICE MODULE	13.500	162.000	4.115			
SPACECRAFT L/M ADAPTER	28.000	336.000	8.534			
LUNAR MODULE (GRUMMAN AIRCRAFT ENGINEERING)	19.3	231.6	5.882			
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			
S-IVB THIRD STAGE (DOUGLAS)	58.63	704.00	17.881	21.66	260	6.604
(1) J2 ENGINE 200,000 POUNDS THRUST						
(2) S-IVB ULLAGE MOTORS (THIOLKOL)						
2848 POUNDS THRUST EACH						
S-II S-IVB INTERSTAGE (DOUGLAS)	18.958	227.5	5.778			
(4) RETRO ROCKETS (THIOLKOL)						
34,800 POUNDS THRUST EACH						
S-II SECOND STAGE (NAA)	81.50	978	24.841	33.00	396	10.058
(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
(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
LOX TANK	64.083	769.00	19.532			
FUEL TANK	43.083	517.00	13.131			
(6) RETRO ROCKETS (THIOLKOL)						
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			

SATURN APOLLO 500 SERIES

THE **BOEING** COMPANY
SPACE DIVISION, LAUNCH SYSTEMS BRANCH
HUNTSVILLE, ALA 35807

SATURN V APOLLO
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