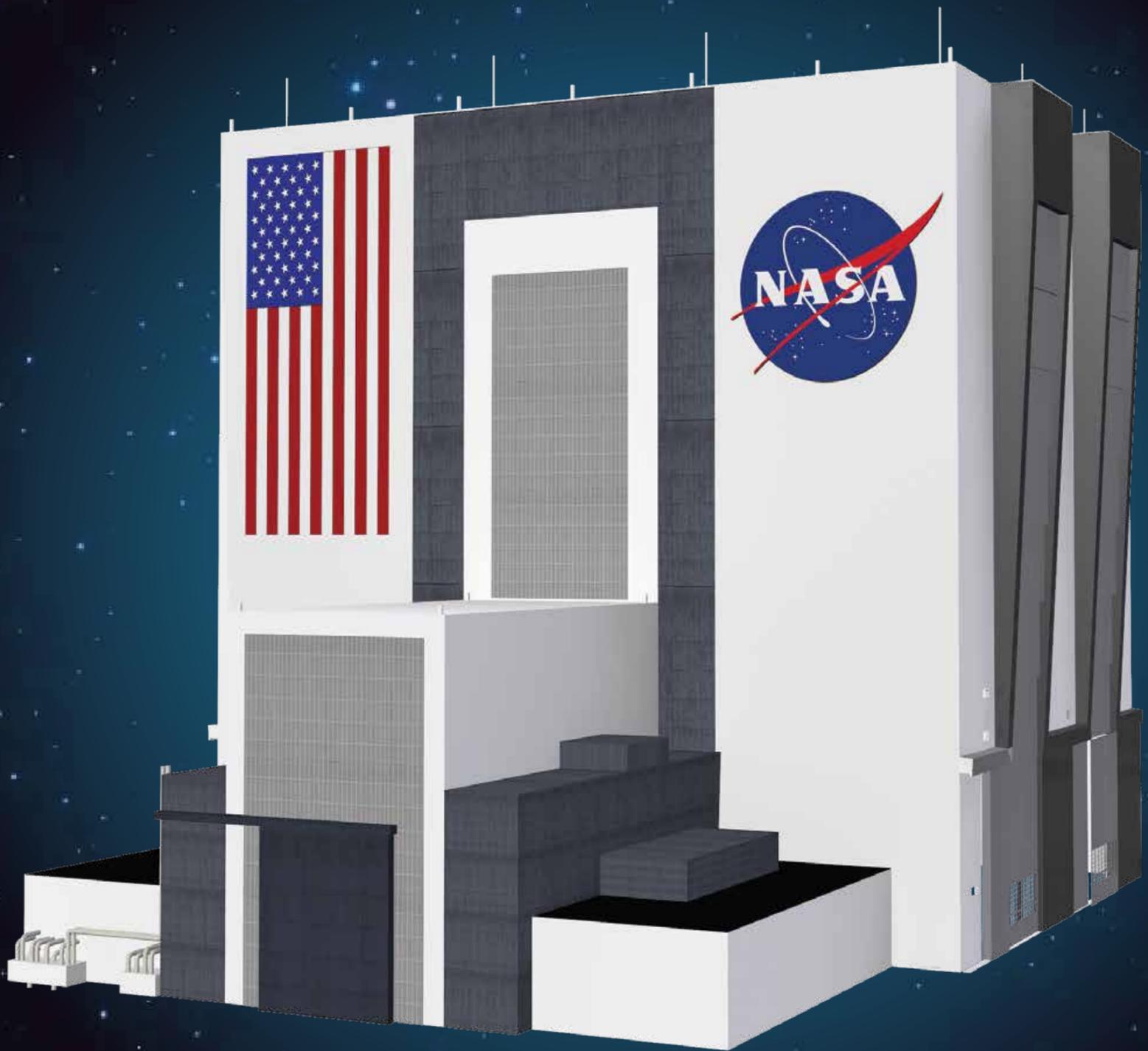


HOW TO DRAW

ARTS & CRAFTS



NASA'S VEHICLE ASSEMBLY BUILDING

National Aeronautics and
Space Administration



WE ARE GOING!

WITH THE ARTEMIS PROGRAM, NASA WILL LAUNCH THE FIRST WOMAN AND NEXT MAN TO THE MOON BY 2024, USING INNOVATIVE TECHNOLOGIES TO EXPLORE MORE OF THE LUNAR SURFACE THAN EVER BEFORE.

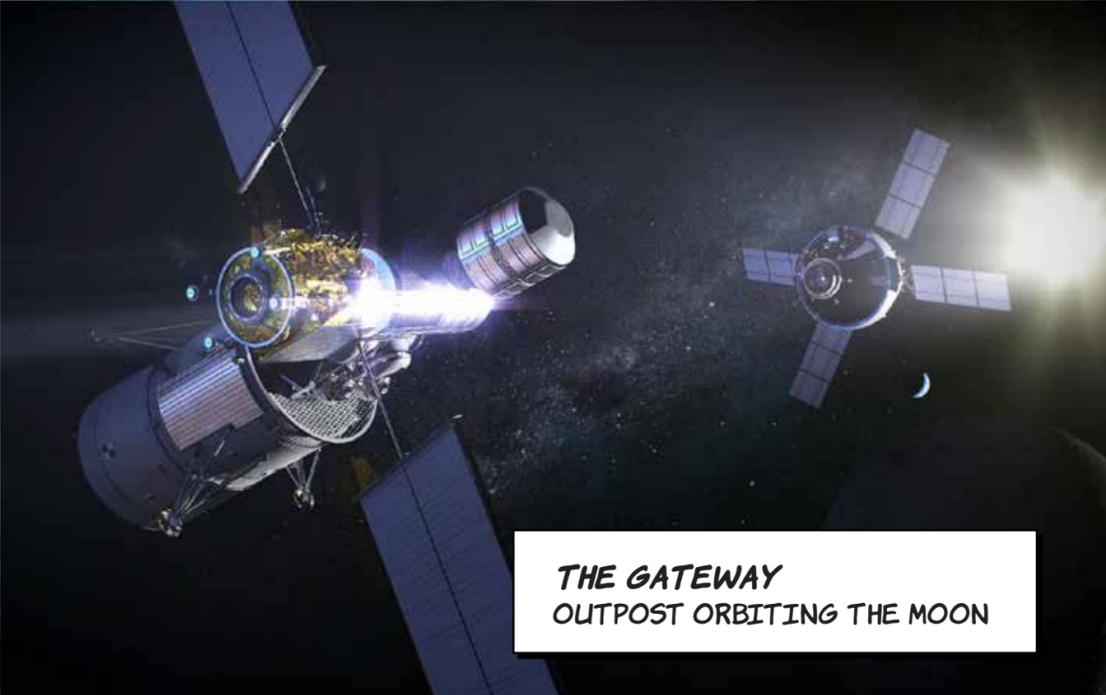
LEARN MORE:
[NASA.GOV/ARTEMIS](https://www.nasa.gov/artemis)



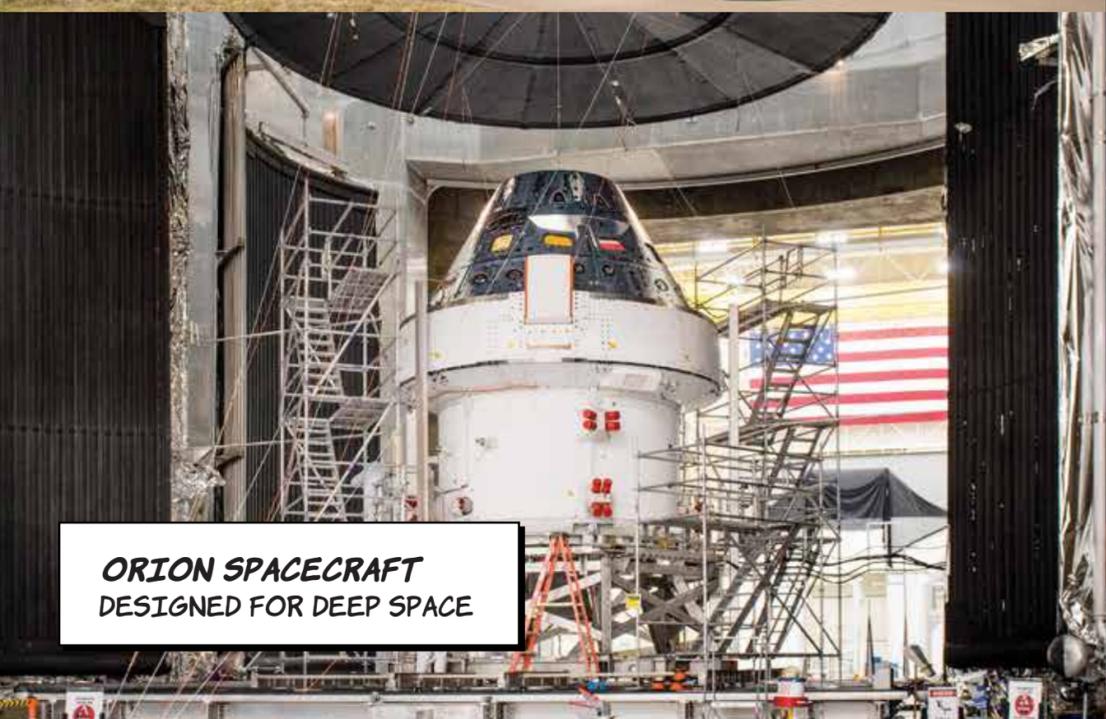
THE SPACE LAUNCH SYSTEM
WORLD'S MOST POWERFUL ROCKET



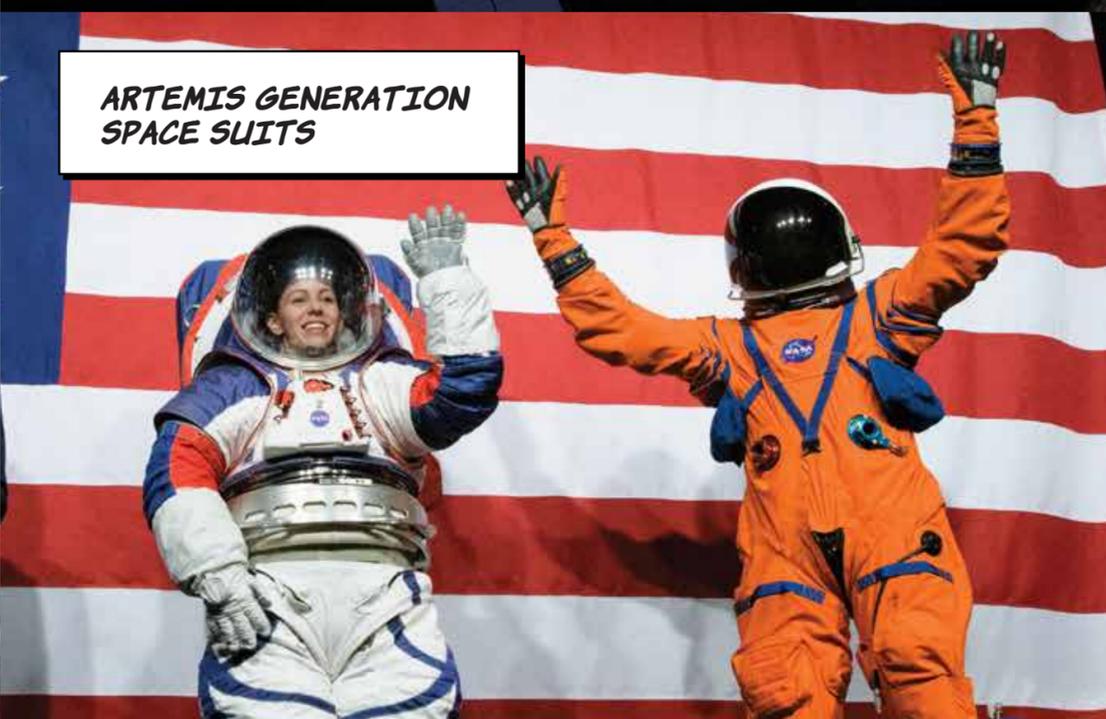
THE GATEWAY
OUTPOST ORBITING THE MOON



ORION SPACECRAFT
DESIGNED FOR DEEP SPACE



ARTEMIS GENERATION
SPACE SUITS



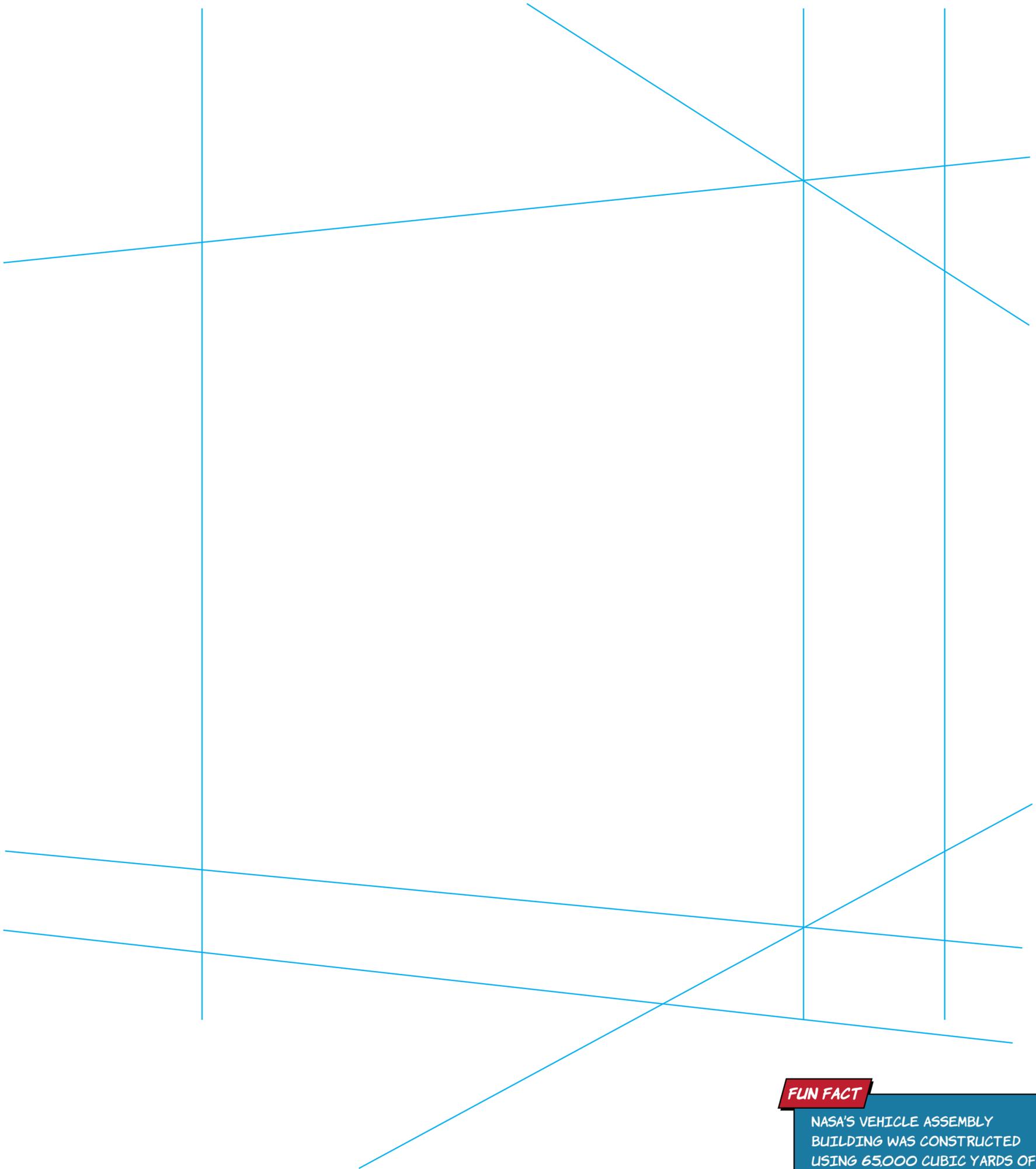
1. GETTING SOME PERSPECTIVE...

BEFORE YOU START THE VAB, LIGHTLY DRAW OR TRACE THE BLUE LINES HERE WITH A RULER IN PENCIL. THIS WILL PROVIDE A GOOD PERSPECTIVE FRAME FOR YOUR BUILDING.



SUPPLY LIST

1. PENCIL WITH ERASER
2. BLACK PEN OR MARKER
3. RULER
4. SHEET OF PAPER



FUN FACT

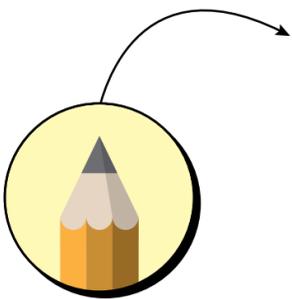
NASA'S VEHICLE ASSEMBLY BUILDING WAS CONSTRUCTED USING 65,000 CUBIC YARDS OF CONCRETE, 98,590 TONS OF STEEL, 45,000 STEEL BEAMS AND 1 MILLION STEEL BOLTS.

2. DRAW YOUR FIRST BOXES

DRAW THE OUTLINE AROUND THE STRUCTURE. THE BOXES IN FRONT WILL BE THE START OF THE VAB'S PRIMARY ENTRANCE.

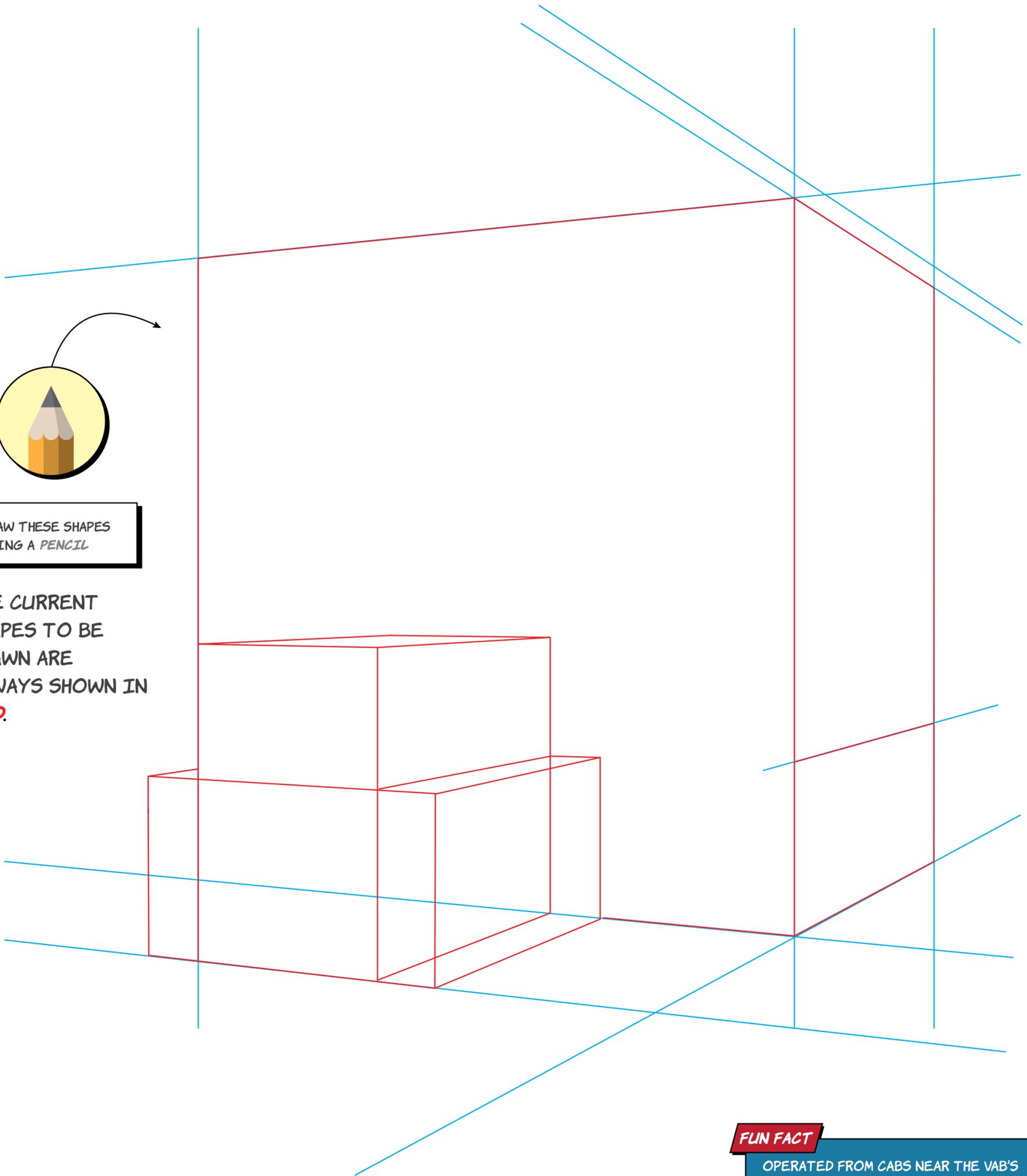
FUN FACT

THE VAB'S 325 TON CRANE CAN LIFT 47 FULL GROWN AFRICAN ELEPHANTS.



DRAW THESE SHAPES USING A PENCIL

THE CURRENT SHAPES TO BE DRAWN ARE ALWAYS SHOWN IN **RED**.



FUN FACT

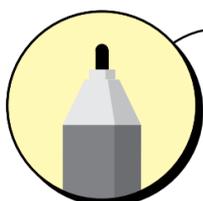
OPERATED FROM CABS NEAR THE VAB'S CEILING, THE CRANES ARE PRECISE ENOUGH TO LOWER AN OBJECT ONTO AN EGG WITHOUT CRACKING IT.

3. ADDITIONAL BOXES AND HIGH BAY DOORS

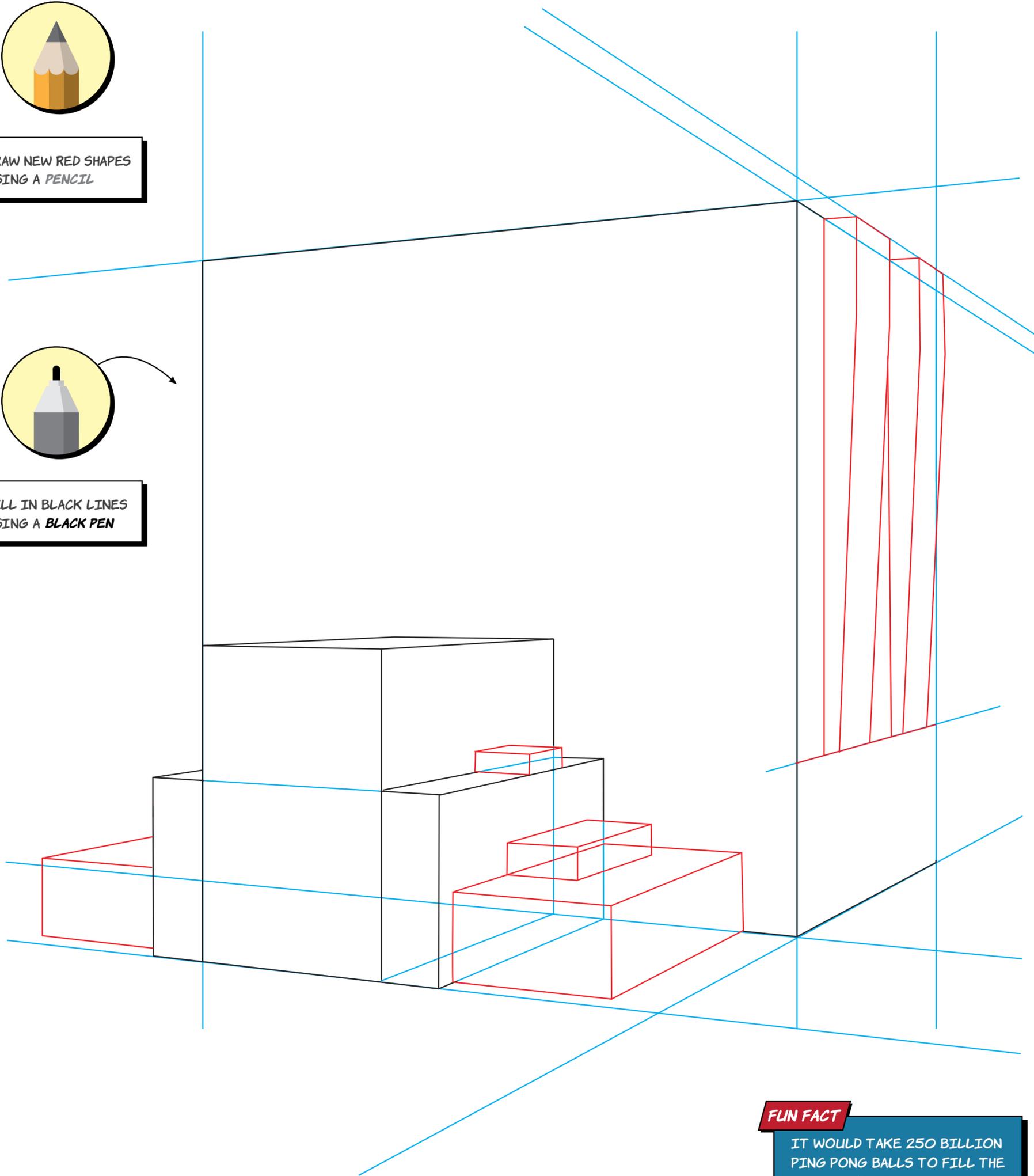
ADD TO THE AREA AROUND THE ENTRANCE AND ADD THE HIGHBAY DOORS, WHICH WILL ALLOW THE ROCKET TO BE CARRIED OUT TO THE LAUNCH PAD FOR LIFTOFF.



DRAW NEW RED SHAPES USING A PENCIL



FILL IN BLACK LINES USING A BLACK PEN

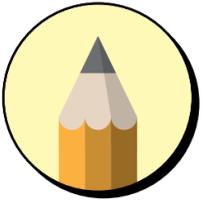


FUN FACT
IT WOULD TAKE 250 BILLION PING PONG BALLS TO FILL THE VAB. THAT'S 791 TIMES THE POPULATION OF THE UNITED STATES.

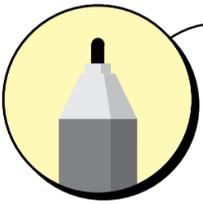
4. DRAW FINAL SQUARES AND LINES

FUN FACT

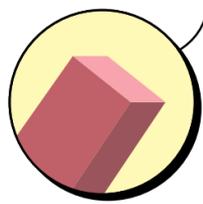
135 SPACE SHUTTLE MISSIONS WERE PREPARED IN THE VAB.



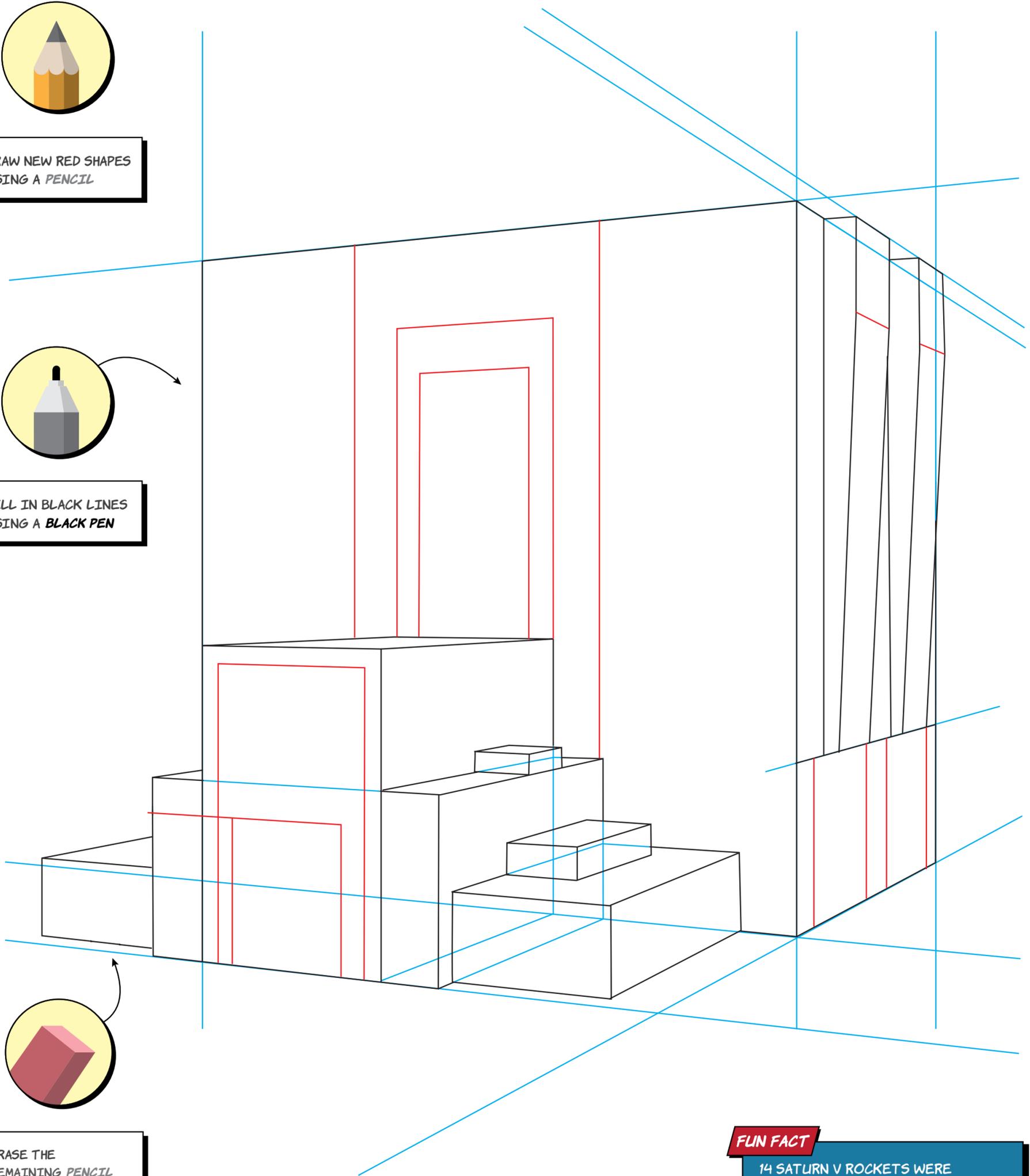
DRAW NEW RED SHAPES USING A PENCIL



FILL IN BLACK LINES USING A BLACK PEN



ERASE THE REMAINING PENCIL LINES (IN BLUE)



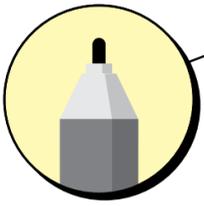
FUN FACT

14 SATURN V ROCKETTS WERE PROCESSED IN THE VAB FOR APOLLO AND THE SKYLAB SPACE STATION.

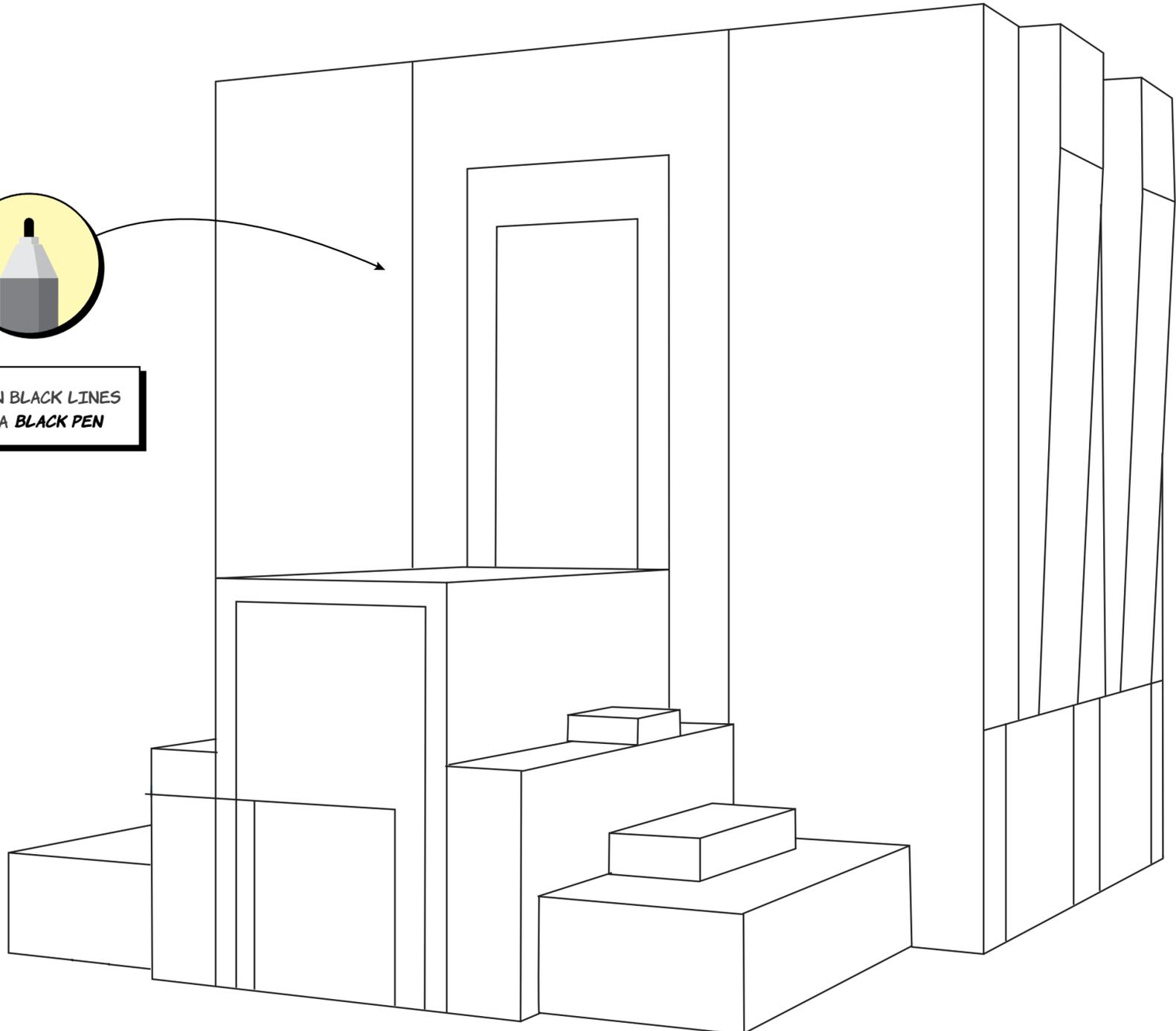
5. FINALIZE YOUR BLACK LINES AND ERASE REMAINING BLUE LINES

FUN FACT

THE VAB HIGH BAY DOORS ARE THE LARGEST DOORS IN THE WORLD AND TAKE ABOUT 45 MINUTES TO COMPLETELY OPEN OR CLOSE.



FILL IN BLACK LINES USING A **BLACK PEN**



FUN FACT

EACH VAB HIGH BAY DOOR IS 456 FEET HIGH!

6. FINISH AND SHARE!

FILL IN YOUR DARKER COLORS, ADD SOME SHADING AND FINISH WITH THE ICONIC NASA LOGO AND AMERICAN FLAG!

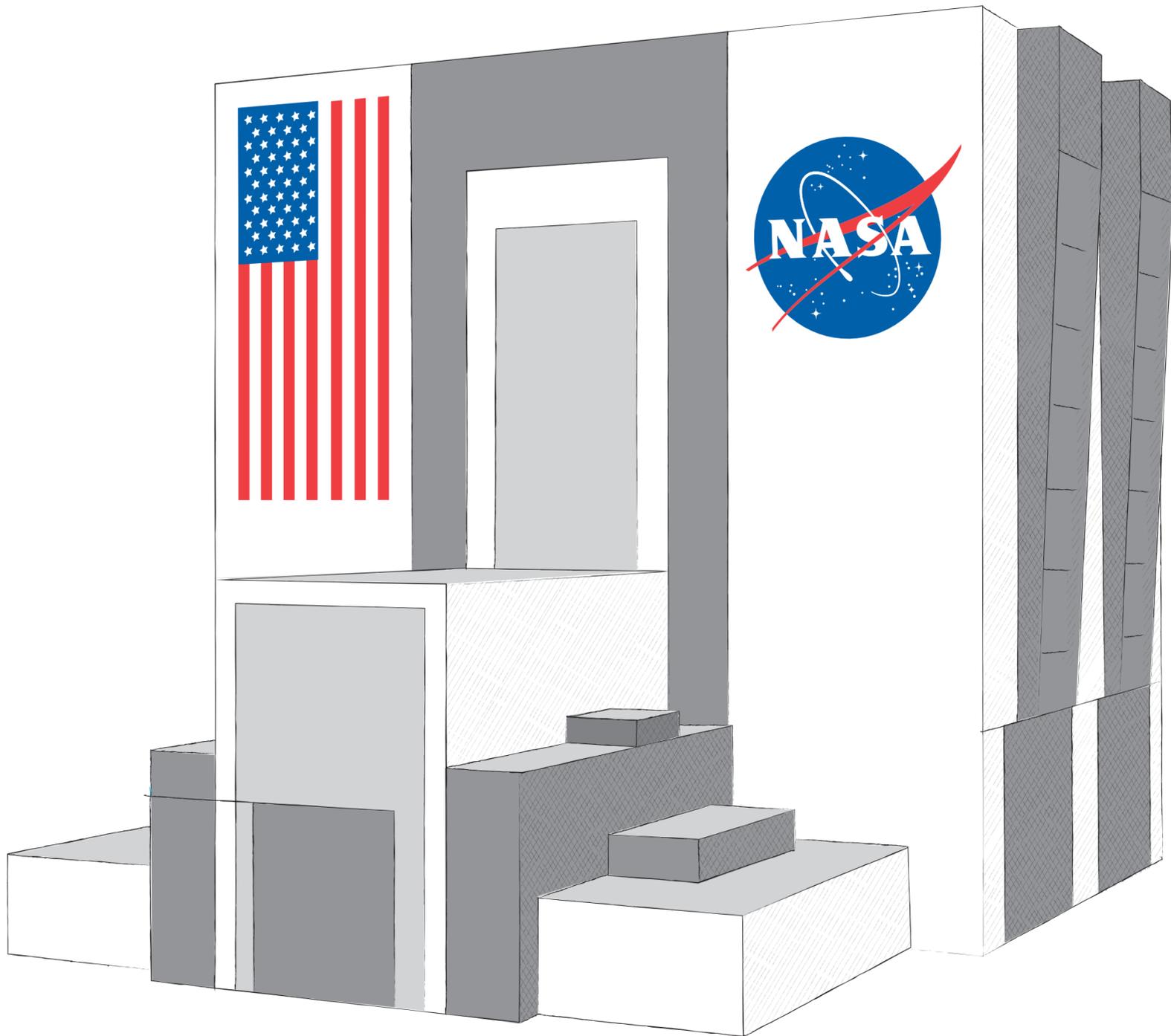
MAKE IT YOUR OWN! COMBINE WITH SOME OUT OF THIS WORLD IMAGERY LIKE PLANETS AND STARS!

FUN FACT

THE AMERICAN FLAG ON THE FRONT OF THE VAB IS 209 FEET HIGH AND 110 FEET WIDE. EACH STAR IS 6 FEET ACROSS. THE BLUE FIELD IS THE SIZE OF AN NBA REGULATION BASKETBALL COURT!

DON'T FORGET TO SHARE YOUR MASTERPIECE ON SOCIAL MEDIA!

#DRAWARTEMIS



FUN FACT

IT TOOK 6000 GALLONS OF PAINT TO PAINT THE AMERICAN FLAG, ORIGINALLY.

