

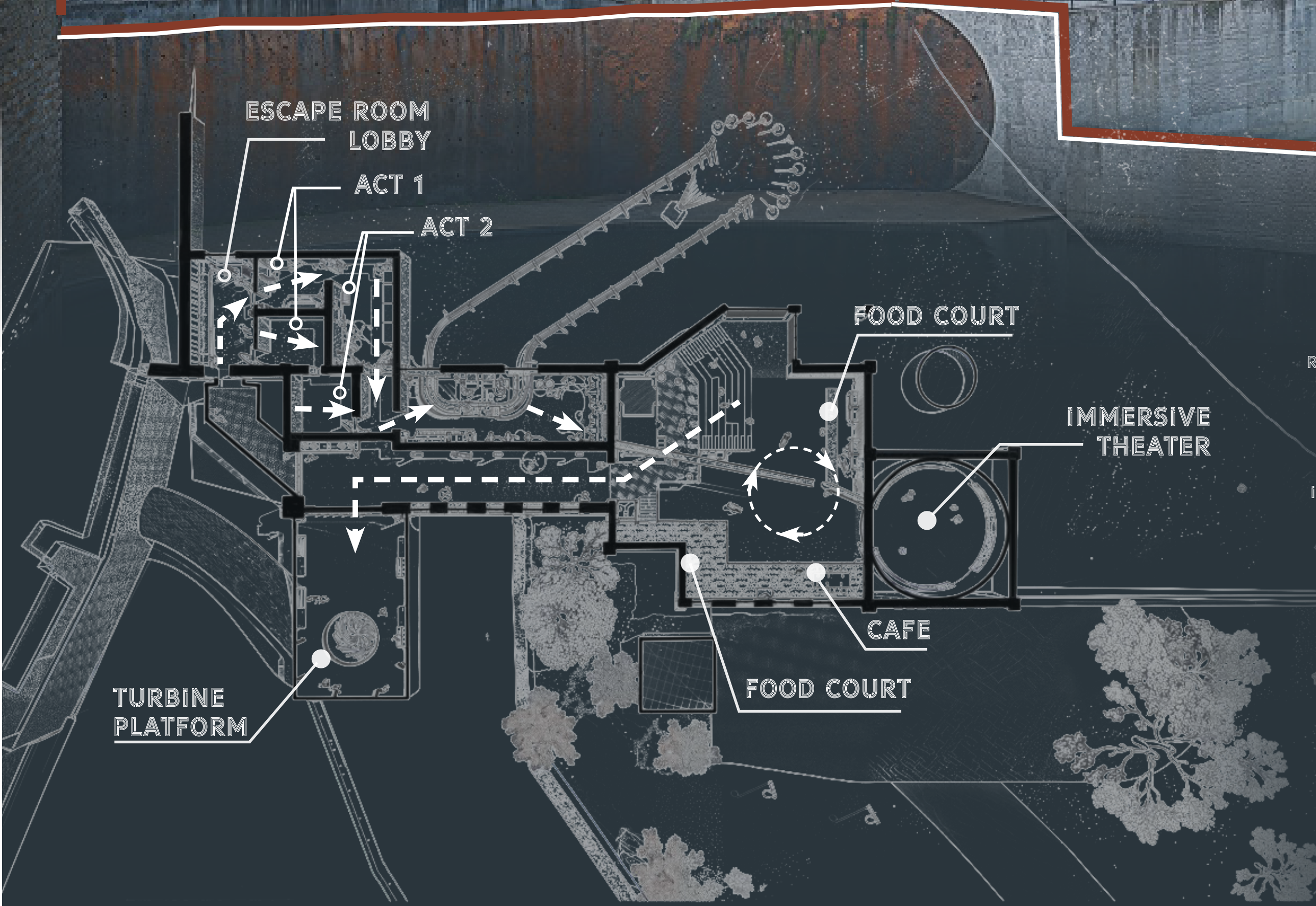
THE ELECTRIC FACTORY

A STEAM CENTER AT THE NEXUS OF ENTERTAINMENT, THRILL & EDUCATION



ARTIFICIAL INTENT

THE ELECTRIC FACTORY



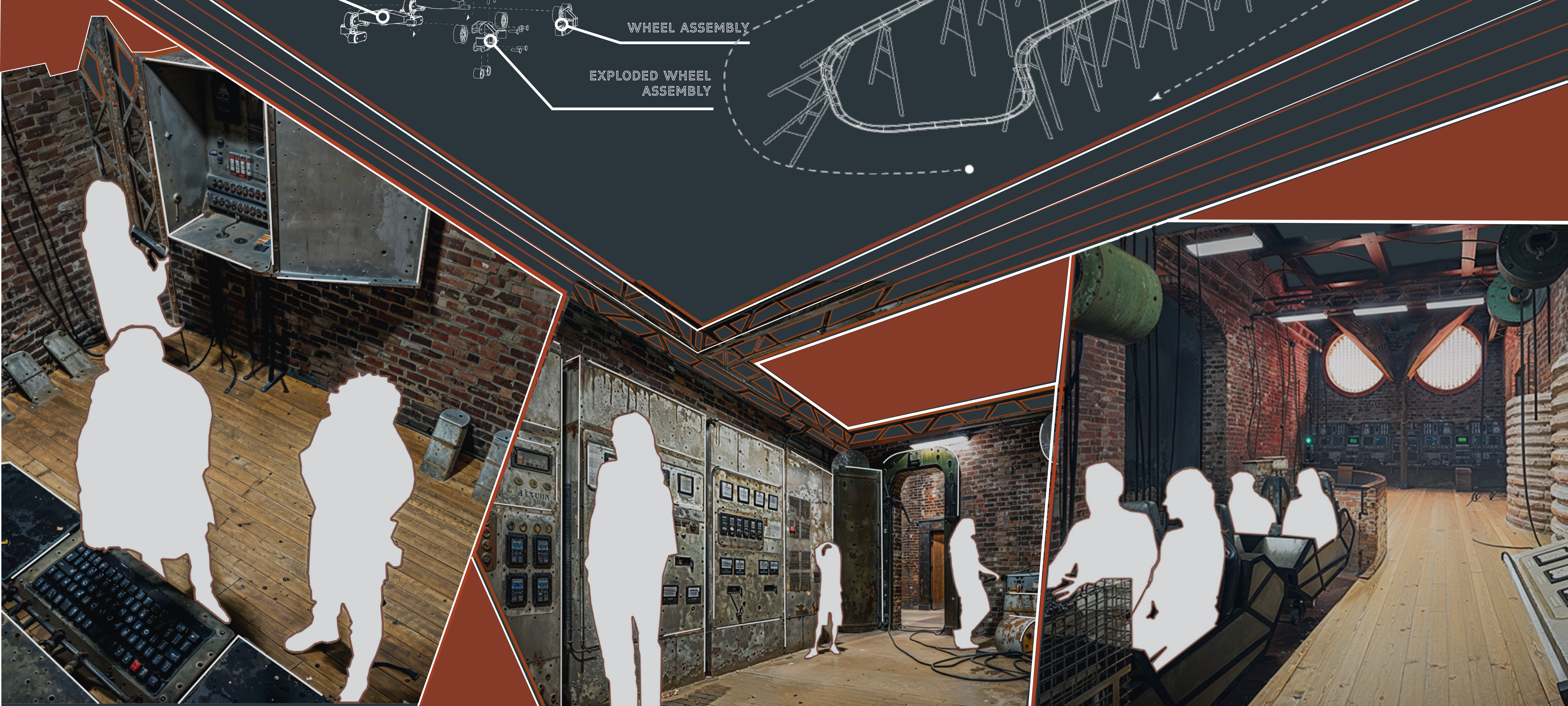
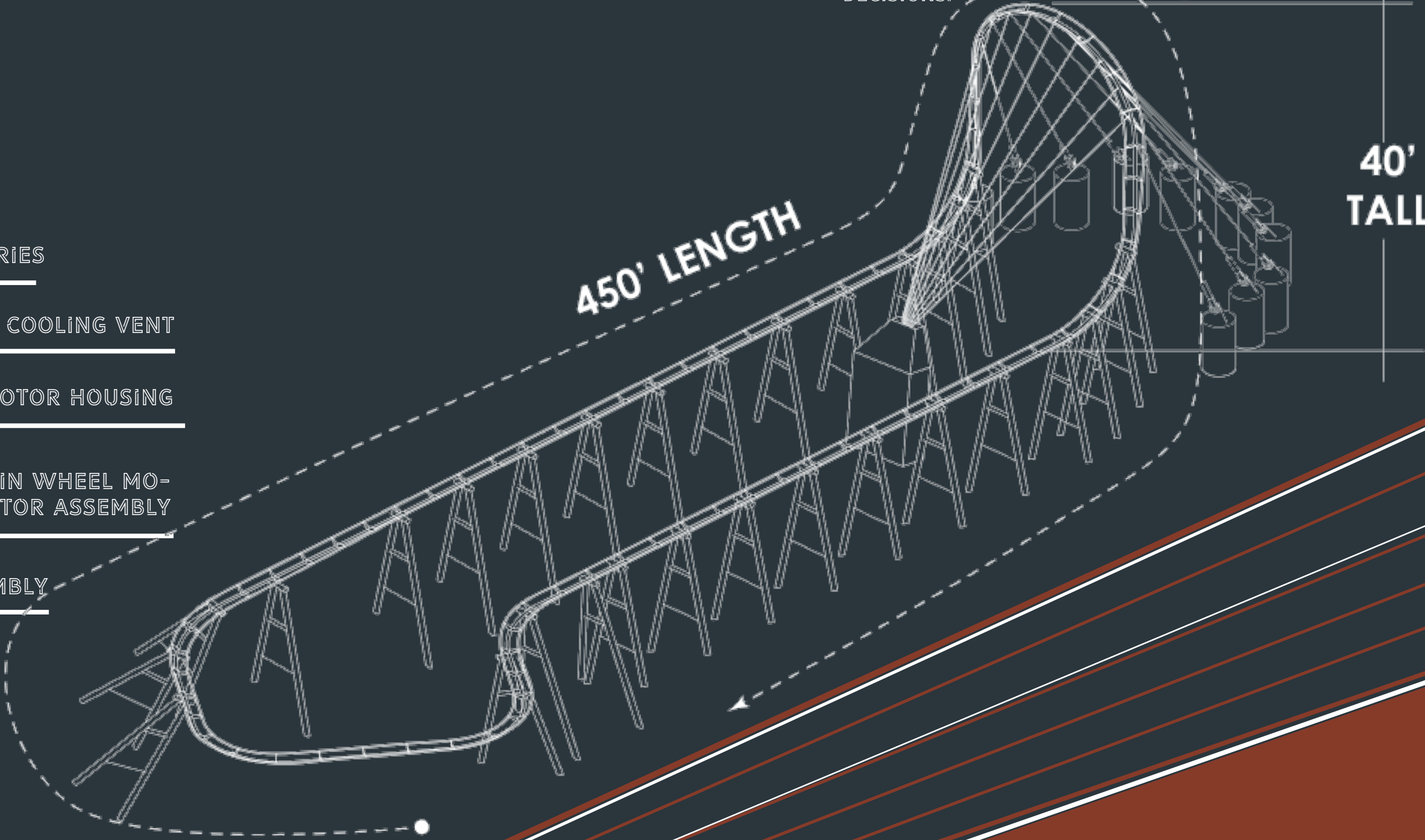
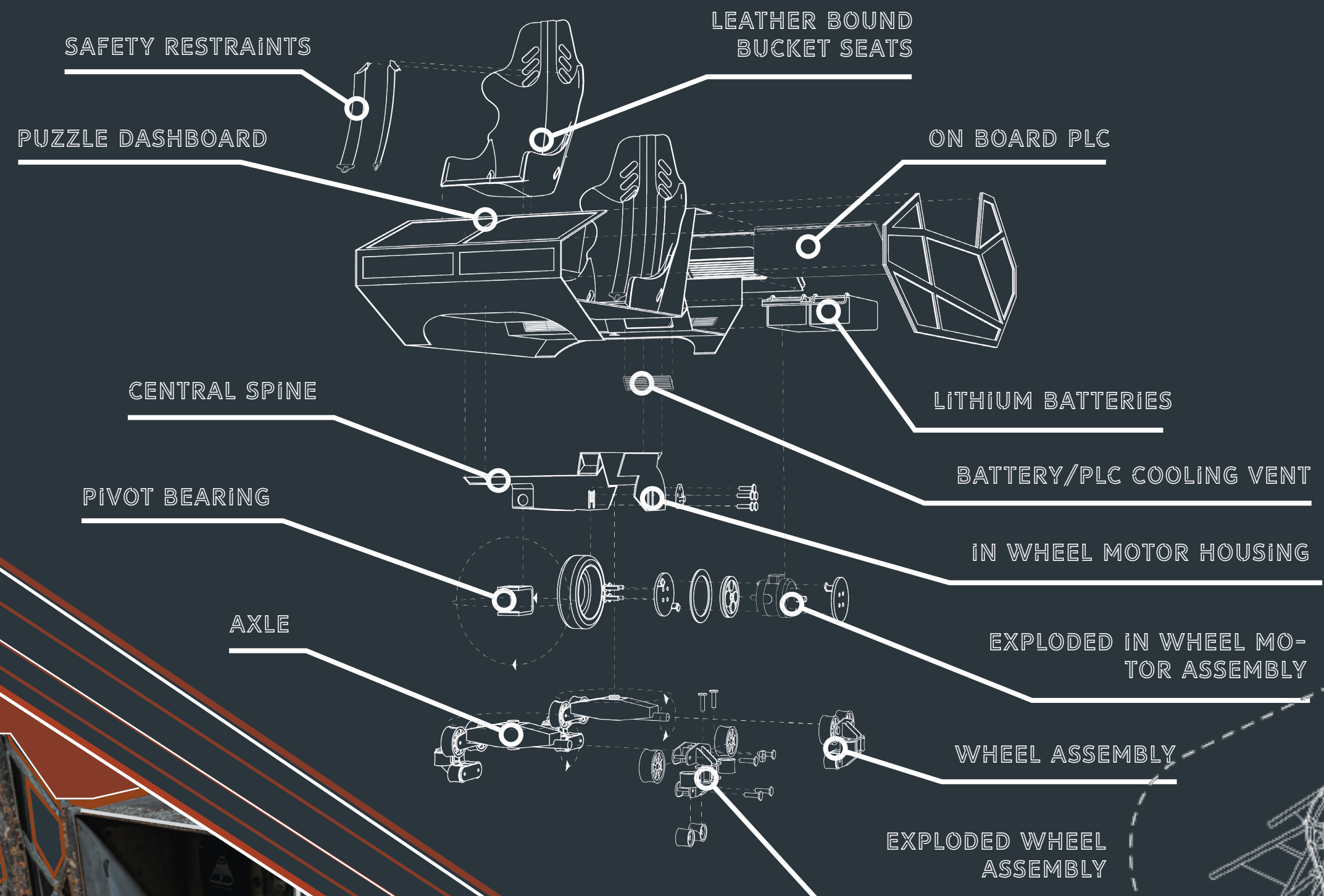
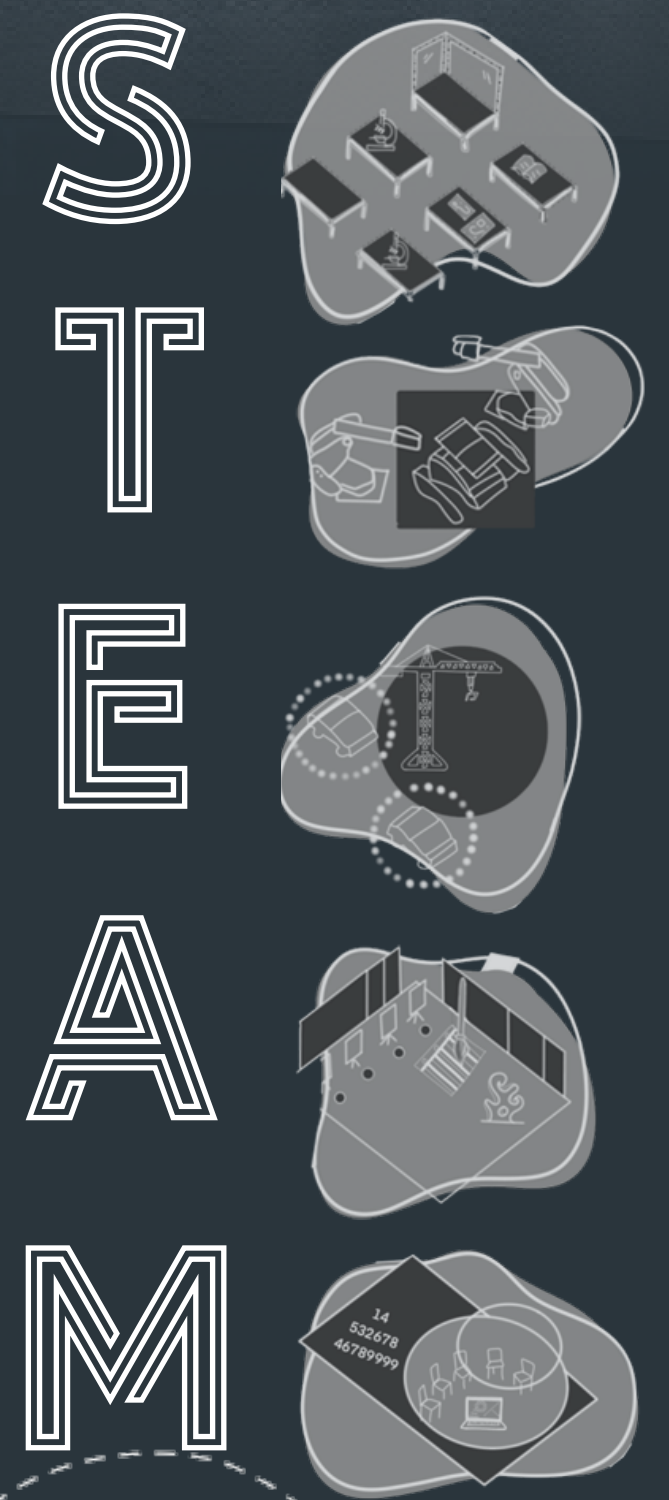
THE SCIENCE PROGRAM FOSTERS CURIOSITY AND CRITICAL THINKING BY ENCOURAGING EXPLORATION OF THE NATURAL WORLD THROUGH EXPERIMENTS, OBSERVATIONS, AND EVIDENCE-BASED REASONING. IT EMPHASIZES THE DEVELOPMENT OF A SCIENTIFIC MINDSET, WHERE GUESTS LEARN TO ASK QUESTIONS, TEST HYPOTHESES, AND ANALYZE RESULTS TO UNDERSTAND THE PRINCIPLES GOVERNING THE UNIVERSE.

THE TECHNOLOGY PROGRAM INTEGRATES CUTTING-EDGE TOOLS AND DIGITAL LITERACY INTO EDUCATION, EMPOWERING GUESTS TO NAVIGATE AND LEVERAGE MODERN TECHNOLOGICAL ADVANCEMENTS. GUESTS LEARN TO CODE, USE SOFTWARE, AND UNDERSTAND THE IMPACT OF TECHNOLOGY ON SOCIETY, PREPARING THEM TO BE ACTIVE PARTICIPANTS IN A DIGITAL WORLD.

THE ENGINEERING PROGRAM FOCUSES ON PROBLEM-SOLVING AND INNOVATION, TEACHING GUESTS TO APPLY SCIENTIFIC PRINCIPLES TO DESIGN, BUILD, AND REFINE STRUCTURES, MACHINES, AND SYSTEMS. THE PROGRAM EMPHASIZES HANDS-ON LEARNING, WHERE GUESTS ENGAGE IN PROJECTS THAT REQUIRE THEM TO THINK CRITICALLY, COLLABORATE, AND ITERATE ON THEIR DESIGNS.

THE ART PROGRAM HIGHLIGHTS THE IMPORTANCE OF CREATIVITY, EXPRESSION, AND AESTHETICS IN PROBLEM-SOLVING AND INNOVATION. IT ENCOURAGES GUESTS TO THINK BEYOND CONVENTIONAL BOUNDARIES, USING ARTISTIC PROCESSES TO COMMUNICATE IDEAS, EXPLORE EMOTIONS, AND ENVISION NEW POSSIBILITIES.

THE MATHEMATICS PROGRAM DEVELOPS LOGICAL REASONING AND QUANTITATIVE SKILLS, PROVIDING GUESTS WITH THE TOOLS TO UNDERSTAND PATTERNS, STRUCTURES, AND RELATIONSHIPS IN VARIOUS CONTEXTS. THE PROGRAM EMPHASIZES THE PRACTICAL APPLICATION OF MATHEMATICAL CONCEPTS, ENCOURAGING THE USE OF MATH TO SOLVE REAL-WORLD PROBLEMS AND MAKE INFORMED DECISIONS.





1

IN THE HALL OF SCIENCE, GUESTS WILL EXPLORE THE MARVELS OF PHYSICS AND CHEMISTRY WITH ATTRACTIONS LIKE OUR GRAVITY MACHINE, WHERE YOU CAN OBSERVE THE FORCES OF NATURE IN ACTION AS METAL SPHERES GLIDE ALONG COMPLEX TRACKS. DIVE INTO THE MYSTERIES OF ENERGY WITH INTERACTIVE CONVERTER THAT LET YOU EXPERIMENT WITH RENEWABLE SOURCES LIKE SOLAR AND WIND POWER. OUR HANDS-ON LABORATORY STATIONS INVITE YOU TO CONDUCT REAL EXPERIMENTS, FROM CREATING CHEMICAL REACTIONS TO BUILDING CIRCUITS, OFFERING A TRULY IMMERSIVE EXPERIENCE THAT TURNS SCIENTIFIC PRINCIPLES INTO EXCITING, TANGIBLE DISCOVERIES.

2

CAPTURE UNFORGETTABLE MOMENTS AT OUR SITE, FROM SNAPPING A SELFIE WITH OUR CHARMING BARISTA ROBOT TO POSING BY THE BREATHTAKING WATERFALL OF THE HISTORIC DAM. DON'T MISS THE THRILLING BACKDROP OF OUR ROLLER COASTER FOR A SHOT THAT'S SURE TO IMPRESS—THIS IS A DESTINATION WORTH SHARING WITH YOUR FRIENDS!



2



1

EXPERIENCE THE THRILL OF OUR INTERACTIVE ROLLER COASTER, WHERE YOUR COMMANDS AND INPUTS SHAPE THE RIDE IN REAL-TIME, CREATING A PERSONALIZED ADVENTURE EVERY TIME. THIS GROUNDBREAKING PROPRIETARY TECHNOLOGY IS REVOLUTIONIZING THEME PARKS BY PUTTING CONTROL IN THE HANDS OF THE RIDER, MAKING EACH JOURNEY UNIQUE AND UNFORGETTABLE.



4



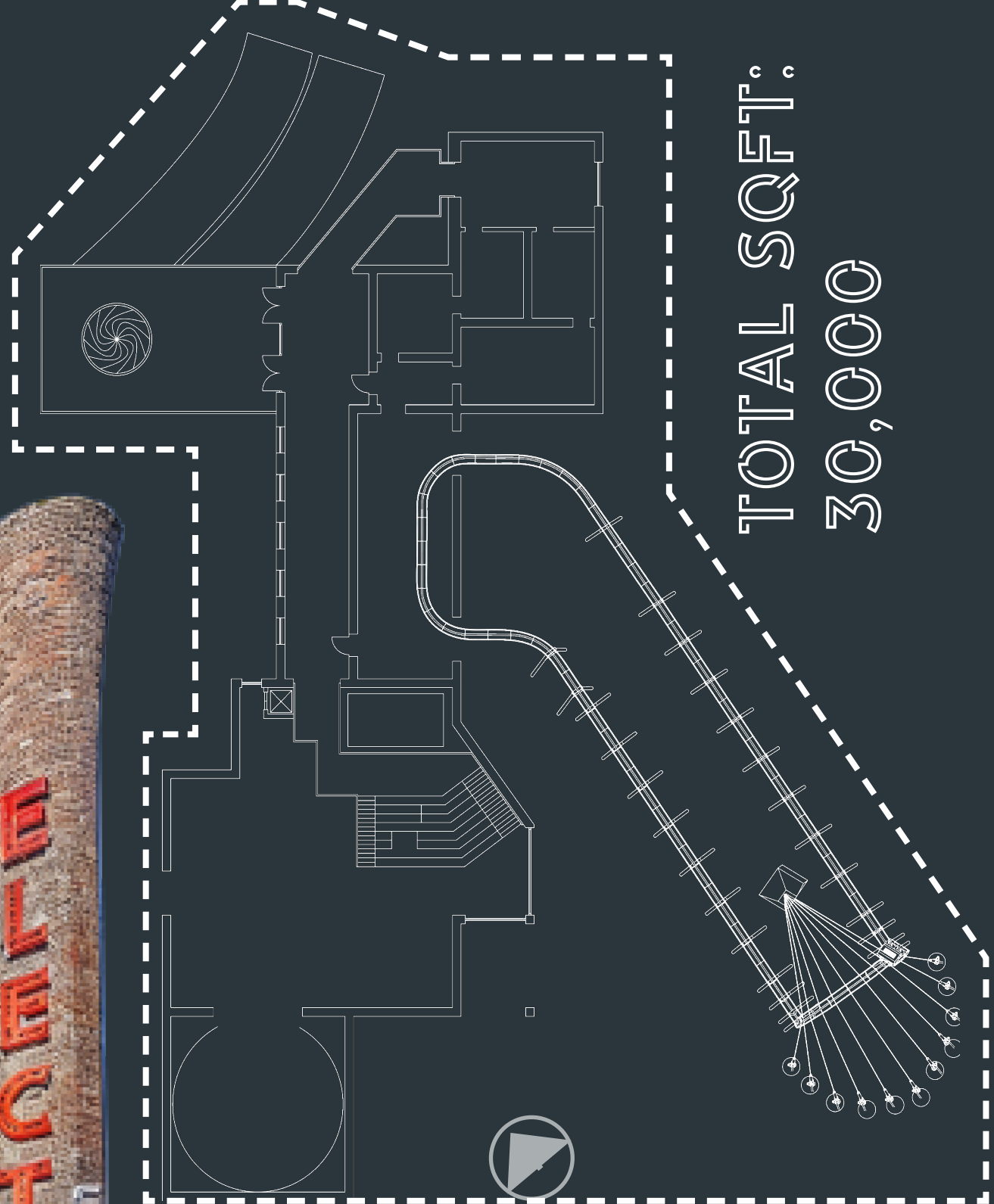
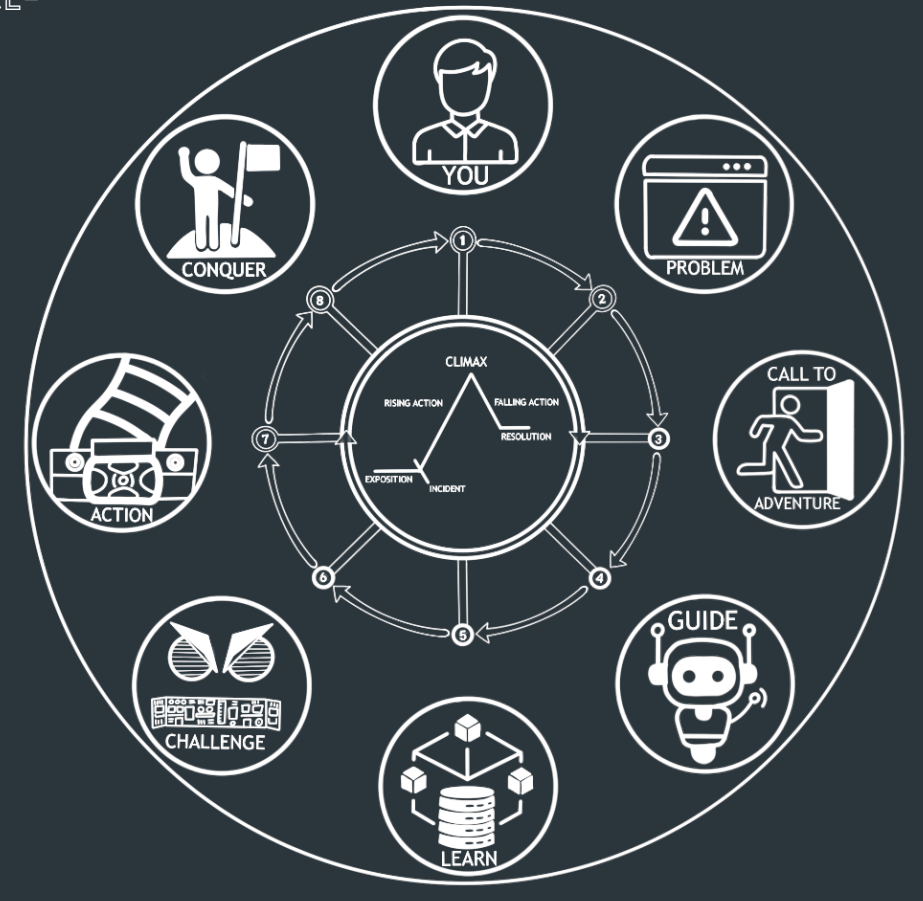
3

UNLEASH YOUR CREATIVITY AT OUR SCIENCE IN COLOR ART STATION, WHERE YOU CAN CREATE STUNNING ARTWORKS ENHANCED BY AI. WATCH AS YOUR DRAWINGS COME TO LIFE WITH DYNAMIC COLORS AND PATTERNS, TRANSFORMING YOUR IDEAS INTO VIBRANT, IMPACTFUL EXPRESSIONS THAT COMMUNICATE IN WAYS YOU NEVER THOUGHT POSSIBLE.



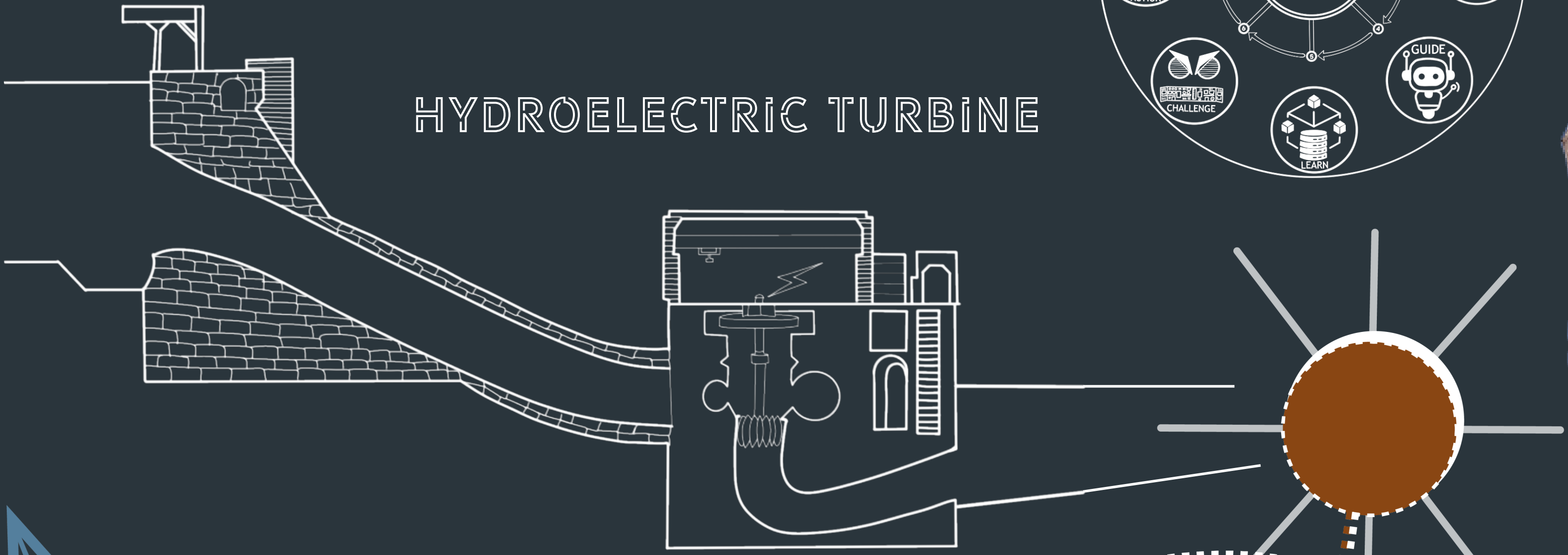
5

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TOTAL SQFT:
30,000

HYDROELECTRIC TURBINE



8.298 Million kWh / Year

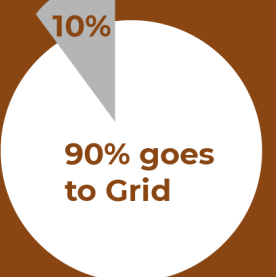
.9 Million kWh / Year

1.5 Mega Ton Turbine

1,110 Metric Tons

RENEWABLE ENERGY

1.5 Megawatt Generator
Production: 9,198 Million kWh/Year
Facility Requirements: 0.9 Million kWh/Year
Directly to Grid: 8,298 Million kWh/Year



New Construction Carbon Added: 1,110 TONS
Reuse Construction Embodied Carbon: 2,310 TONS

Existing Brick Building
Brick: 23 kg CO2e/SF
Other Materials: 14 kg CO2e/SF
Total: 37 kg CO2e/SF

EMBODIED CARBON

30,000 SF 690 Tons
30,000 SF 420 Tons
30,000 SF 1,110 Tons

