

STEM U

connecting educators and youth to STEM



STEM PARTNERSHIP PRESENTATION

OVERVIEW

The following presentation will briefly introduce the STEM U Brand Solution.



OUR BRAND

STEM U stands as a trailblazing STEM education organization devoted to reshaping schools and educational journeys for the upcoming generation of visionaries.



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OUR MISSION

To inspire, educate, and empower the next generation of innovators.



OUR VISION

To be a global leader reshaping STEM
Education in K-12.



OUR IMPACT

CAPACITY

NATIONAL MODEL

14 YEARS OF SERVICE

MINORITY CERTIFIED

OVER 20,000 SCHOLARS
EXPOSED TO STEM U MODEL

ADVENTURE

At STEM U, we embark on an exhilarating educational adventure that transcends boundaries, ignites curiosity, and propels students into the uncharted territories of Science, Technology, Engineering, and Mathematics (STEM).



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CERTIFIED STAFF

Our team, comprising brilliant minds, collaborates harmoniously to devise innovative solutions.

We provide qualified STEM Trainers and Project Support team to assist with the implementation of any STEM Partner initiative.



WHAT IS THE STEM BUS

Mobile Classroom: The STEM Bus is essentially a converted bus or vehicle that serves as a mobile classroom. It's designed to travel to different schools and communities, bringing STEM education directly to students who may not have access to such resources otherwise.

Customization and Adaptability: The design of the STEM Bus is often flexible and adaptable to accommodate different age groups, grade levels, and educational objectives. It may be customized with modular furniture, interactive displays, and flexible learning spaces to suit various learning environments.

STEM BUS PURPOSE

1. Enhancing Access to STEM Education: A STEM bus can travel to underserved communities, rural areas, or schools lacking adequate STEM resources, providing students with hands-on STEM experiences they may not otherwise have access to.

2. Promoting STEM Engagement: By bringing interactive STEM activities, experiments, and demonstrations directly to students, a STEM bus can spark interest and enthusiasm for STEM subjects among learners of all ages.

3. Addressing Equity in STEM Education: STEM buses can help bridge the gap in access to STEM education by reaching students who may face barriers such as lack of transportation or limited resources in their schools.

4. Supporting Informal Learning: The informal learning environment of a STEM bus allows for experiential learning outside the traditional classroom setting, encouraging creativity, exploration, and discovery in STEM topics.



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OUTREACH & ENGAGEMENT

In addition to visiting schools, the STEM Bus may also participate in community events, fairs, and festivals to reach a broader audience. Outreach efforts may include partnerships with local organizations, businesses, and government agencies to promote STEM education and career pathways.



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CONTENT

The STEM Bus typically offers a structured curriculum or set of lesson plans aligned with educational standards. These lessons are designed to engage students in hands-on activities and experiments that foster critical thinking, problem-solving, creativity, and collaboration skills.



THE EQUIPMENT

The bus is equipped with a variety of STEM-related tools, equipment, and educational resources. This may include laptops, tablets, robotics kits, 3D printers, microscopes, circuitry kits, coding software, and more, depending on the specific focus of the partnership.



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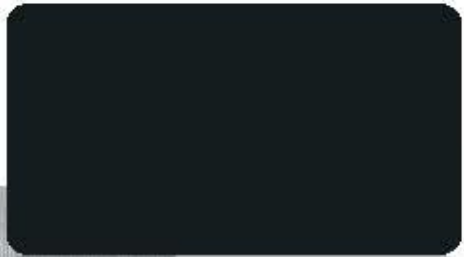
EVALUATION & IMPACT ASSESSMENT

This may include assessing student learning outcomes based on

- Project integration & expanded learning
- Tracking participation rates
- Gathering feedback from educators, students, and parents
- Company support



SELECTED COLORS



COUNTERTOPS -
WILSONART
BLACK



BASE CABINETS-
WILSONART SATIN
STAINLESS



FLOORING- ALTRO
IRON BAMBOO



WALLS- WILSONART
LAMINTE GREY PAMPAS

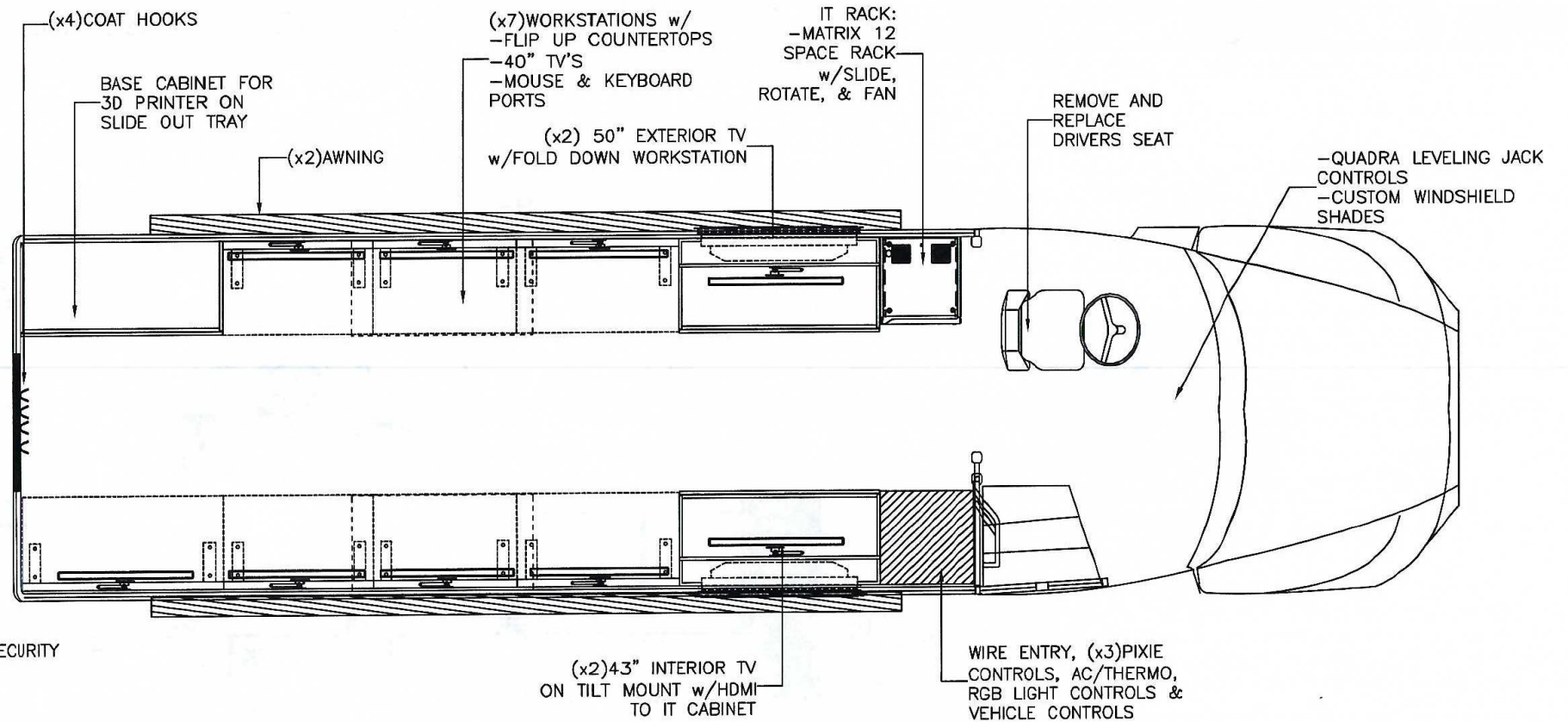


WIRE CHASE – WILSONART
DESIGNER WHITE



DRIVERS SEAT-
EBONY

COLOR SELECTIONS



NOTES

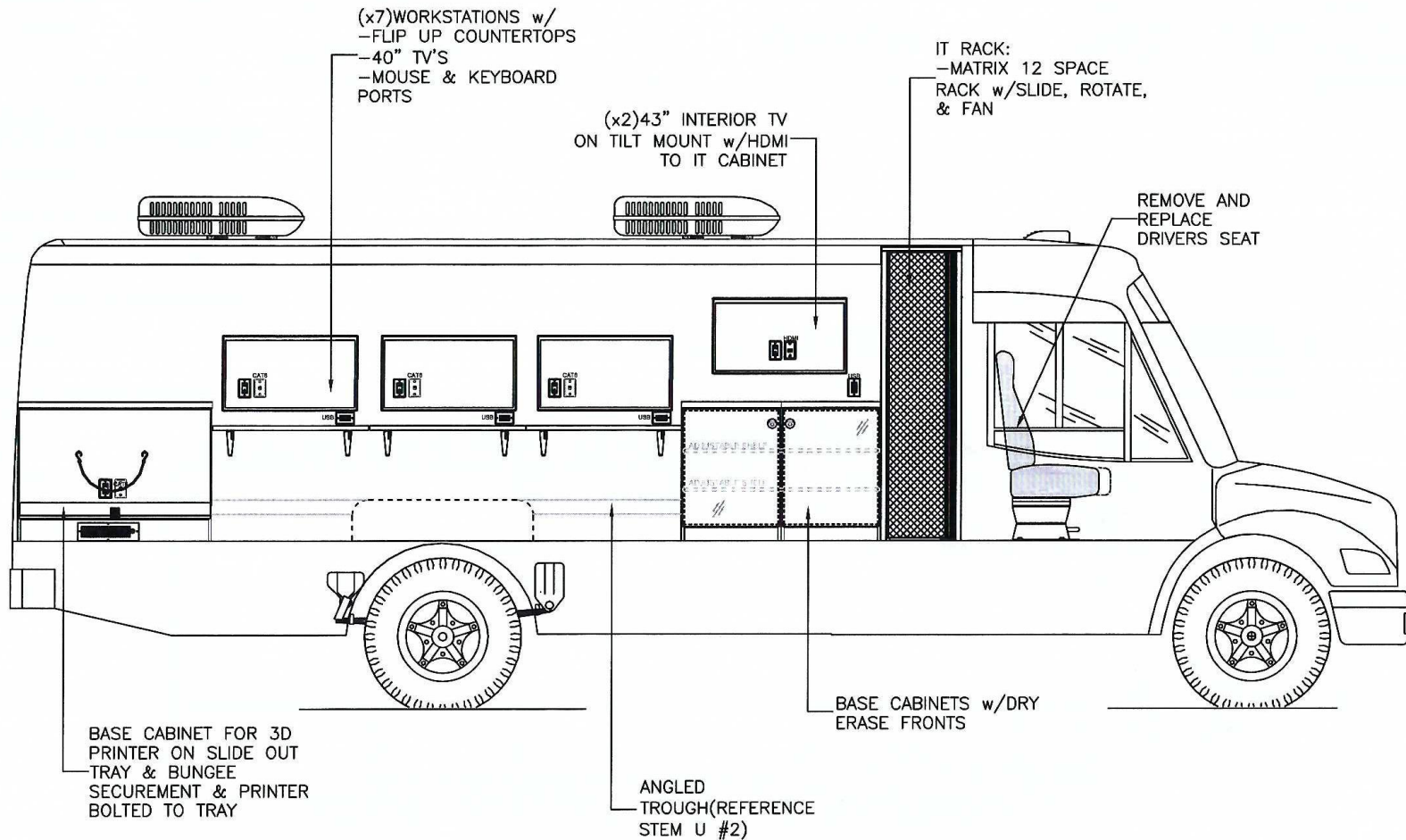
- FULL WRAP GRAPHICS PACKAGE
- PADDED VINYL CEILING
- 10kW DIESEL GENERATOR
- 50 AMP 25' SHORECORD
- (CUSTOMER SUPPLIED) SEON CAMERA SECURITY SYSTEM
- (x1) STORAGE BOX
- (x2) NEW CHASSIS BATTERIES
- NEW EXTERIOR LIGHT PACKAGE
- (x1) UNDERBODY SLIDEOUT TRAY IN COMPARTMENT w/HOLDBACKS
- (x8) EXTERIOR SPEAKERS
- QUADRA LEVELING JACK SYSTEM
- (CUSTOMER SUPPLIED) CRADLEPOINT WIFI SYSTEM
- REMOVE RUB RAILS
- REMOVE WINDOWS & REPANEL
- NEW BEAR BUMPER

INTERIOR WALL GRAPHICS TO BE PURCHASED AND INSTALLED AT LATER DATE

PLAN VIEW

<p>PRELIMINARY CONCEPT DRAWING</p> <p>THIS DRAWING IS FOR QUOTE PURPOSES ONLY. ENGINEERING INFORMATION IS NECESSARY FOR PRODUCTION BEGINS.</p>	<p>PLAN VIEW</p>	<p>STEM U #3</p>	<p>SHEET: 31' TBB</p> <p>REQUESTED BY: C. BRAUNNS</p> <p>DATE: 01/10/2023</p> <p>REVISIONS:</p>	<p>DRAWING NUMBER: BID DRAWING</p> <p>SCALE: 3/8" = 1' 0"</p> <p>REVISION DATE:</p>	<p>Sheet: 1</p>
<p><input type="checkbox"/> Approved as drawn with NO changes</p> <p><input type="checkbox"/> Approved as drawn with noted changes</p> <p>Signature _____ Date _____</p>		 <p>211 AMERICAN AVE GREENSBORO, NC 27409 1-877-905-4678 www.msvehicles.com</p>		<p>PROPRIETARY DRAWINGS</p> <p>THE VEHICLE DEPICTED FOR CONSTRUCTION IN THESE DRAWINGS IS THE PROPERTY OF MATTHEWS SPECIALTY VEHICLES AND NOT TO BE USED FOR ANY OTHER CONSTRUCTION.</p>	

DRIVER INTERIOR VIEW



STEM U

PRELIMINARY CONCEPT DRAWING
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 ENGINEERING INTERVENTION IS NECESSARY FOR
 FINAL LAYOUT BEFORE PRODUCTION BEGINS.

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- Approved as drawn with NO changes
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Signature _____ Date _____



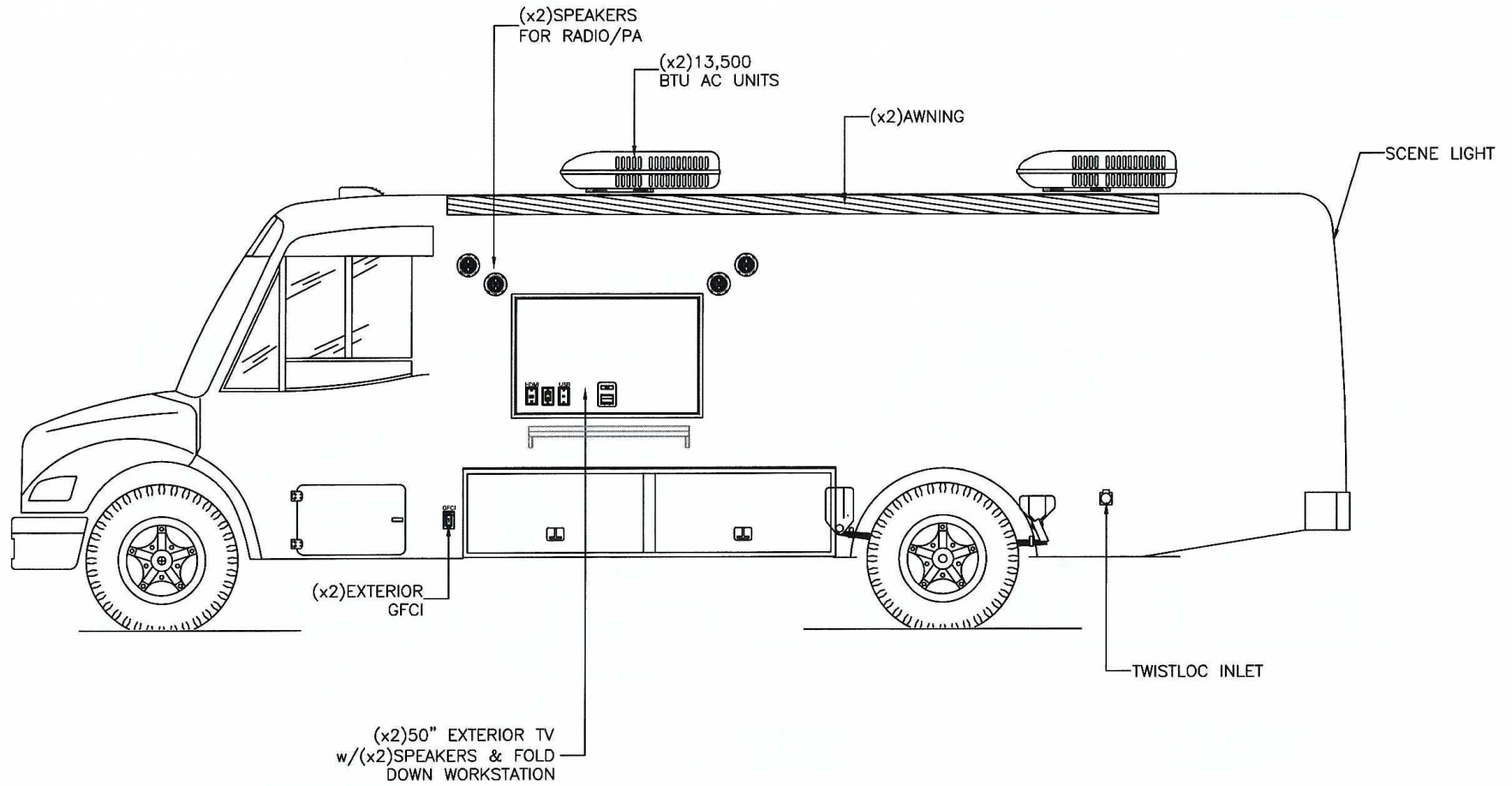
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PROPRIETARY DRAWINGS
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DRIVER EXTERIOR VIEW

DRIVER EXTERIOR VIEW

STEM U #3



SHELL: 31' TDD		DRAWING NUMBER: BID DRAWING	
REQUESTED BY: C. BRAUNNS	DATE: 01/10/2023	SCALE: 3/8" = 1' 0"	REVISION DATE:
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PROPRIETARY DRAWINGS
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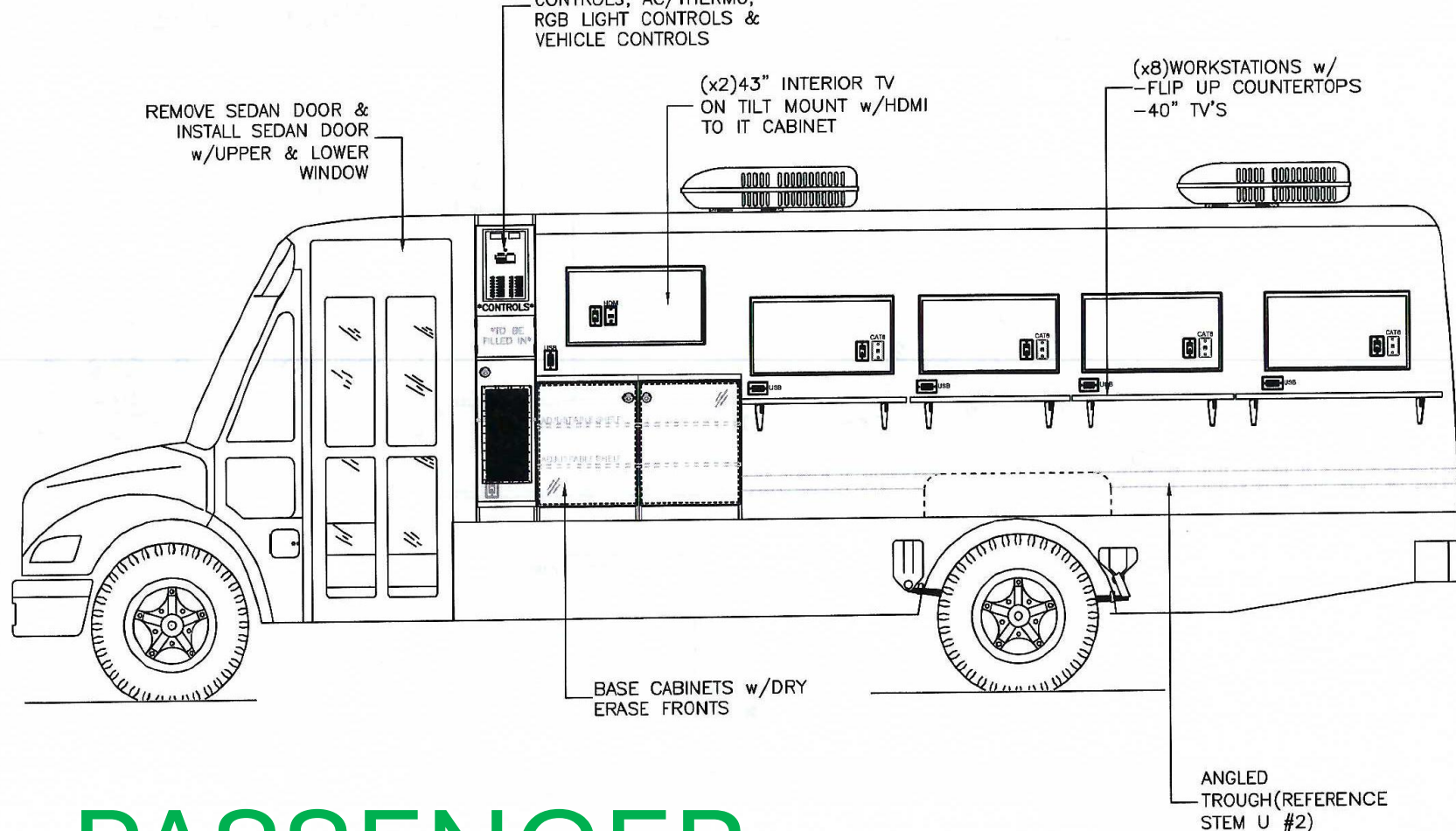
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PRELIMINARY CONCEPT DRAWING
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Approved to draw with no changes

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PASSENGER INTERIOR VIEW

PRELIMINARY CONCEPT DRAWING

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- Approved as drawn with noted changes

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REQUESTED BY: C. BRAUNNS	DATE: 01/10/2023
REVISION:	SCALE: 3/8" = 1' 0"
	REVISION DATE:

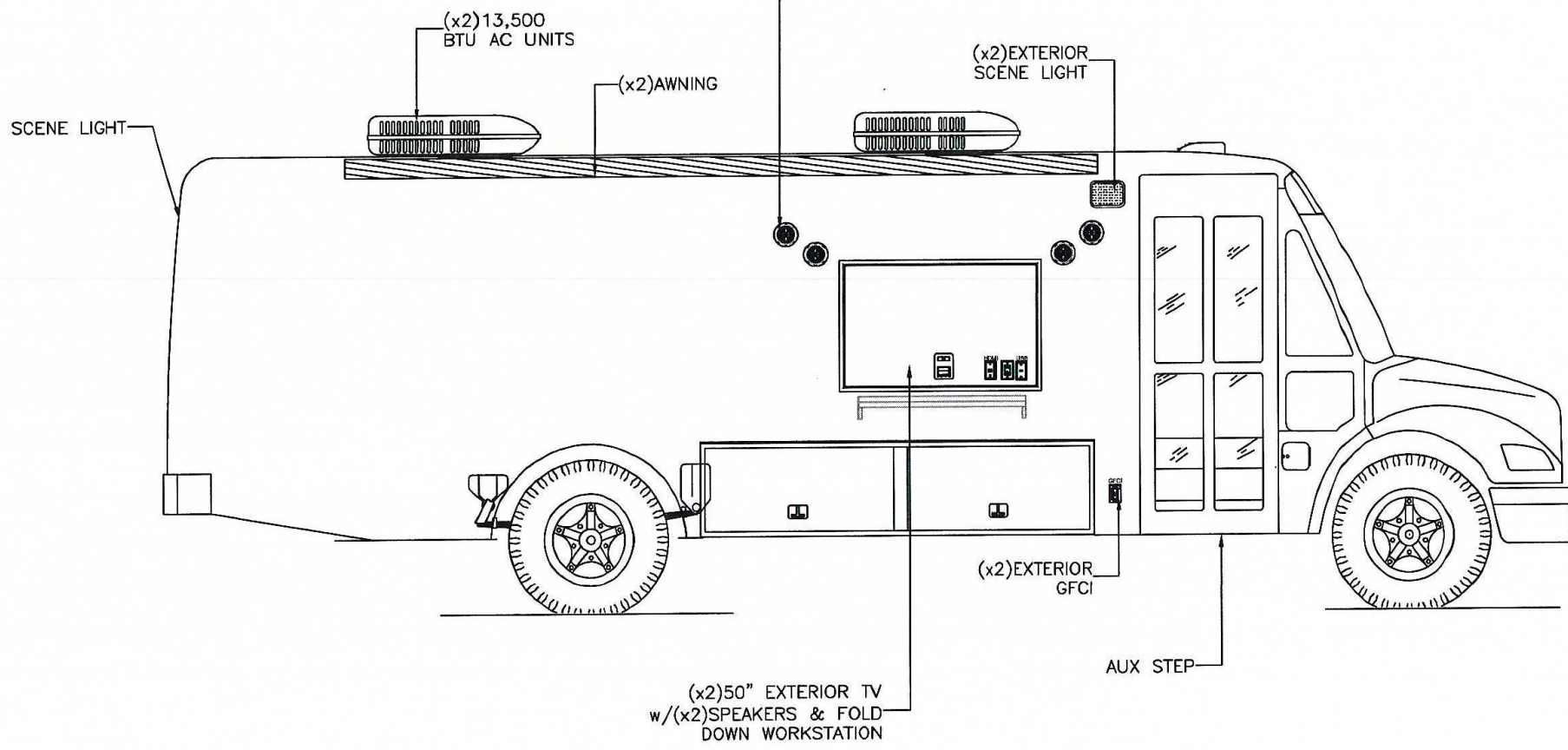
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PRELIMINARY CONCEPT DRAWING

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PASSENGER EXTERIOR VIEW

- Approved for quote with no changes
- Approved for drawing with no changes

Signature _____

Date _____

STEM U #3



SHELL: 31" TBB

REQUESTED BY: C. BRAUNNS

REVISION:

DRAWING NUMBER: BID DRAWING

DATE: 01/10/2023

REVISION DATE:

SCALE: 3/8" = 1' 0"

PROPRIETARY DRAWINGS
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PASSENGER EXTERIOR VIEW

VIEW 1



INTERIOR

VIEW 2

INTERIOR

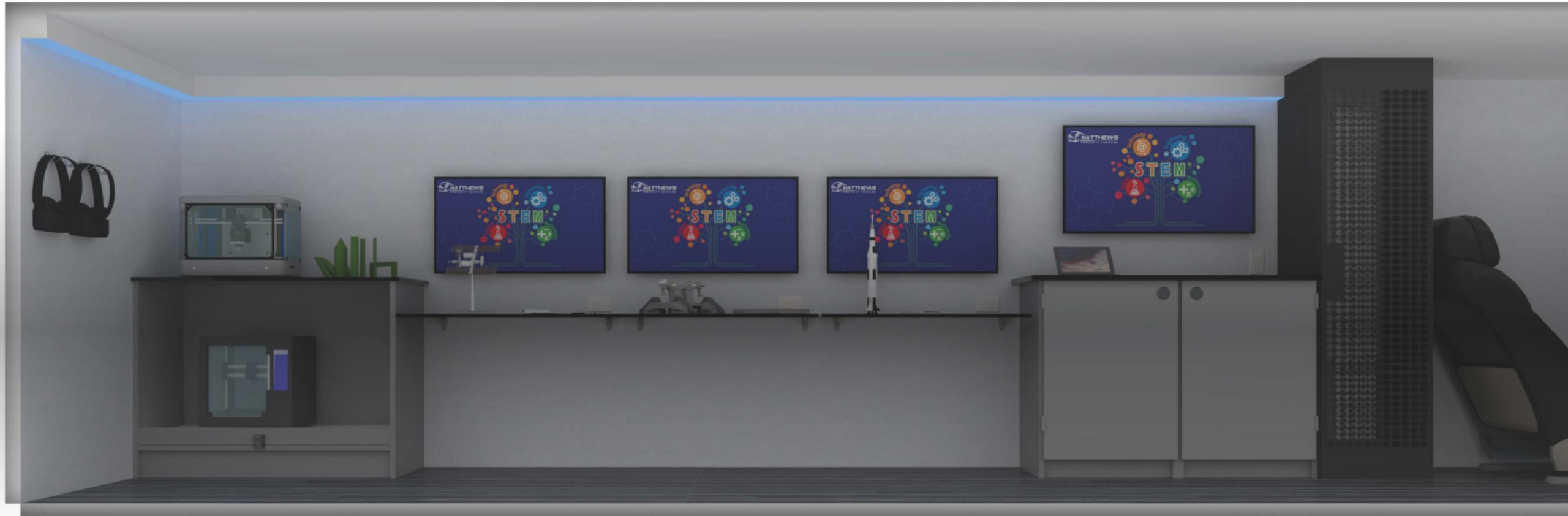


VIEW 3

INTERIOR



DRIVER SIDE



INTERIOR



SAMPLE FLOW CHART

- **MONTH 1:** Schedule meeting to review updated engineering drawing and discuss exterior design
- **MONTH 2 - 6:** Work with design team to continue renovation: interior design
- **MONTH 7 – 11:** Continue interior renovation and discuss interior graphics
- **MONTH 12 - 13:** Site Visit review project work and installation of resources
- **MONTH 14-19:** Continue interior and exterior design phase: paint, wrap and graphics
- **MONTH 20 – 24:** Proposed delivery and Bus Reveal



CONTACT

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<https://www.stemullc.com>

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