



# FRIENDS OF THE ENGLER CENTER, INC.

SUPPORTING AND BOOSTING THE  
ARTS IN THE ENGLER CENTER



## Engler Center

# 22nd Year Updates

Time Capsule

Commemorating the 2025 Engler Center Overhaul

## In Honor of the Original Donors

Mike Engler – Signature: \_\_\_\_\_

Bill Engler – Signature: \_\_\_\_\_

## Director of the Engler Center

Jenie Farrell – Signature: \_\_\_\_\_

## Board of Directors (2025)

Brian Bartel – Signature: \_\_\_\_\_

Russ Rautmann – Signature: \_\_\_\_\_

Brady Kees – Signature: \_\_\_\_\_

Charlotte Deehr – Signature: \_\_\_\_\_

Rosemary Schneider – Signature: \_\_\_\_\_

## Volunteers Who Helped with Our Updates

Don Bartel – Signature: \_\_\_\_\_

Steve Keuler – Signature: \_\_\_\_\_

## Historical Document

A copy of the original 2002 promise letter that began the Engler Center journey is included.

## 2025 Project Highlights

- Sound System:
  - (9) New Shure QLXD wireless microphone systems
  - (32) Shure rechargeable batteries and (4) battery chargers
  - Amplifier maintenance and (3) new amps
  - New Allen & Heath SQ-7 sound board and digital stage box
  - Hollyland Solidcom C1 Pro wireless comm headsets
- Lighting:
  - (10) ETC relay modules for LED power
  - (16) ETC Source 4WRD Color II LED retrofits
  - Infrastructure updates to allow capacity for future moving lights
- Flooring:
  - Full control booth raised by 8 inches using modular box structures
- Electronics:
  - Booth computer upgrades
  - PTZ camera for streaming and recording
  - New cameras with night vision for show use and enhanced surveillance
- Networking:
  - VLAN updates and wireless SSID setup for mobile control devices

## 2025 Project Cost Summary (in 2025 dollars)

Sound System: \$23,450.53

Crew Headsets: \$7,853.57

Lighting: \$18,534.92

Floor (Venue): \$1,238.43

Electronics: \$6,020.26

Security/Networking: \$6,020.23

Miscellaneous: \$883.61

Donations (other): \$2,486.86

Total Chilton School District Equipment Purchases for Audio (\$7,721.70) & Lighting (\$7,175.98): \$14,897.68


Total Friends of the Engler Center Project Equipment Donations: \$64,343.63

## Notable Donations that we applied for

Chilton Area Community Foundation – \$500

Violet and Ruben Laack Memorial Fund – \$4,000

Total Project Parts Cost:	<b>\$81,728.17</b>	<b>Total Project Equipment</b>
Total Project In-kind Labor Costs:	<b>\$87,596.17</b>	<b>673.82 Donated Labor Hours Project 1 January – August 2025 (figured at average tech labor rates of \$130/hr in 2025)</b>
Total Project Costs for the 2025 System Update:	<b>\$169,324.34</b>	<b>Parts and Labor for our Entire 2025 Phase 1 Project</b>

 Sealed beneath the raised control booth floor on the 9<sup>th</sup> day of September, 2025.

**\*\*The physical copies of all Our Living History documents  
are stored in the Engler Center Booth Archive\*\***



## 2025 Time Capsule Report – Chilton, WI

This report summarizes average prices for common items in the year 2025, with a focus on Chilton, Wisconsin. It is intended for inclusion in the Engler Center time capsule project to provide future generations with a snapshot of everyday costs.

### Technology

- Smartphone (flagship model): \$999
- Laptop (mid-range): \$850
- Streaming service subscription (monthly): \$15
- Smartwatch: \$300

### Transportation

- Gasoline (per gallon): \$3.75
- New car (average): \$38,000
- Electric vehicle (average): \$52,000

### Food

- Gallon of milk: \$3.90
- Loaf of bread: \$2.75
- Dozen eggs: \$4.25
- Fast food combo meal: \$9.50
- Sit-down restaurant dinner (per person): \$25

### Housing (Chilton, WI)

- Median listing home price: \$378,000
- Median sold home price: \$217,700

### Entertainment

- Movie ticket: \$12
- Concert ticket (average): \$75
- Video game: \$60
- Monthly gym membership: \$45

These prices reflect national averages for 2025, with housing data specific to Chilton, WI. This document is preserved as part of the Engler Center time capsule to provide historical context for future generations.

This document was created with the first full year of Microsoft Copilot's assistance.

# Friends of the Engler Center

## Phase 1 Upgrades

### January-July, 2025

#### Financial Breakdown:

Sound System	\$23,450.53	
Crew Headsets	\$7,853.57	
Lighting	\$18,534.92	
Floor (Venue)	\$1,238.43	
Electronics	\$6,020.26	
Security/Networking	\$6,020.23	
Miscellaneous	<u>\$883.61</u>	
<b>Friends of the Engler Center Total Donations:</b>	<b>\$64,343.63</b>	
Donations (other)	\$2,486.86	
Chilton School District Purchases - Audio	\$7,721.70	
Chilton School District Purchases - Lighting	<u>\$7,175.98</u>	
<b>Total Project Equipment:</b>		<b>\$81,728.17</b>
<b>In-Kind Donated Labor (673.82 hours @ \$130/hr)</b>		<b>\$87,596.17</b>
<b>Total Project:</b>		<b>\$169,324.34</b>

#### Equipment Installed/Projects Completed:

- Sound Upgrades:
  - New digital sound board
  - New battery chargers (FOTEC) and rechargeable batteries (school) for wireless mics.
  - Upgrade 9 new wireless mics (4 provided by school, 5 from FOTEC)
  - Update wireless microphone firmware and coordinate RF frequencies for new microphones.
  - Replace choir mic cables.
  - Add stage monitors and cabling to Electric 3 so performers upstage can hear better.
  - New front fill speakers and amplifier to improve sound for the audience when sitting close to the stage.
  - Vacuum/clean main speaker amplifiers
  - Install new amp to fix Commons speakers.
  - Install new amp for pit monitors (we were at risk of overloading the previous amp with the addition of new speakers).
  - Set up audio mixes and set delays for new audio system.
  - Tune all microphones on new sound board.

- Lighting Upgrades:
  - Convert (5) Electric 1 incandescent Source Fours to (5) Source 4WRD LED Retrofits (purchased by school, installed by volunteers)
  - 5 New Source 4WRD LED lights to use as front light deep upstage to light performers who are way in the back of the stage
  - Install some new LED Par fill lights for Diva Shell (helps with the dark spots onstage during concerts). (purchased by school)
  - Relay modules in lighting dimmer rack to prevent damage to intelligent lighting from power surges or faulty control signal and allow lights to be powered down when not in use.
  - Scrap out decades old stage lights; salvage useful parts and wiring.
  - Replace theater work lights with efficient LED fixtures (purchased by school and installed by volunteers)
  - Booth show running/work lights
  - LED flyrail running/work lights
  - Top hats on lights to clean up lighting and reduce lighting flare/spill into the audience, onto the proscenium, and onto stage legs (purchased by school and installed by volunteers)
  - Clean lighting electrical dimming rack
  - New lighting data rack
  - Install ETC DMX Gateway to expand the lighting data network since we have reached current capacity.
  - Update firmware on old LED lights to fix minor bugs and improve operation.
  - Move/renumber/readdress lights on the network to make room for future expansion.
  - Clean up cabling on electrics.
  - Add (2) Source Four lights to audience floor areas.
  - Fix D60 power supplies and solder PCB's.
  - Clean Source Four lenses to improve brightness for new LED's.
  - Refocus stage lighting (slowly fell out of focus due to years of use, maintenance, and now adding some new lights).
  - Clean both sides of spotlight windows.
  - Clean, lubricate, and focus spotlights.
  - Spotting scopes on Spotlights for easier and more accurate aim
- Video Upgrades:
  - PTZ camera and control for live streaming events and recording concerts, events, and performances; and for backstage monitors/green room TV feed.
  - New projector dower
  - Adjust projection screen limits to go from standard to HD aspect ratio

- Infrastructure Upgrades:
  - Project planning; draw up rack layouts.
  - Create Friends of the Engler Center webpage.
  - Network cabling and switches for ECPA audio, video, and lighting devices
  - Wireless communication headsets for stage and technical personnel during shows
  - New AV rack in booth.
  - New tablet for wireless control of light board, sound board, and projector. Also serves as second monitor for sound board.
  - Replacement system control switches.
  - Audio and video transmitters for backstage TV system
  - Remove/pull out old cabling and clean up new cable runs
  - New booth computer for audio/video playback and streaming
  - Security camera system and camera system to utilize during scene changes.
  - Replace and expand technicians' standing platform in booth. The old one creaks and did not have room for everyone to stand during a show.

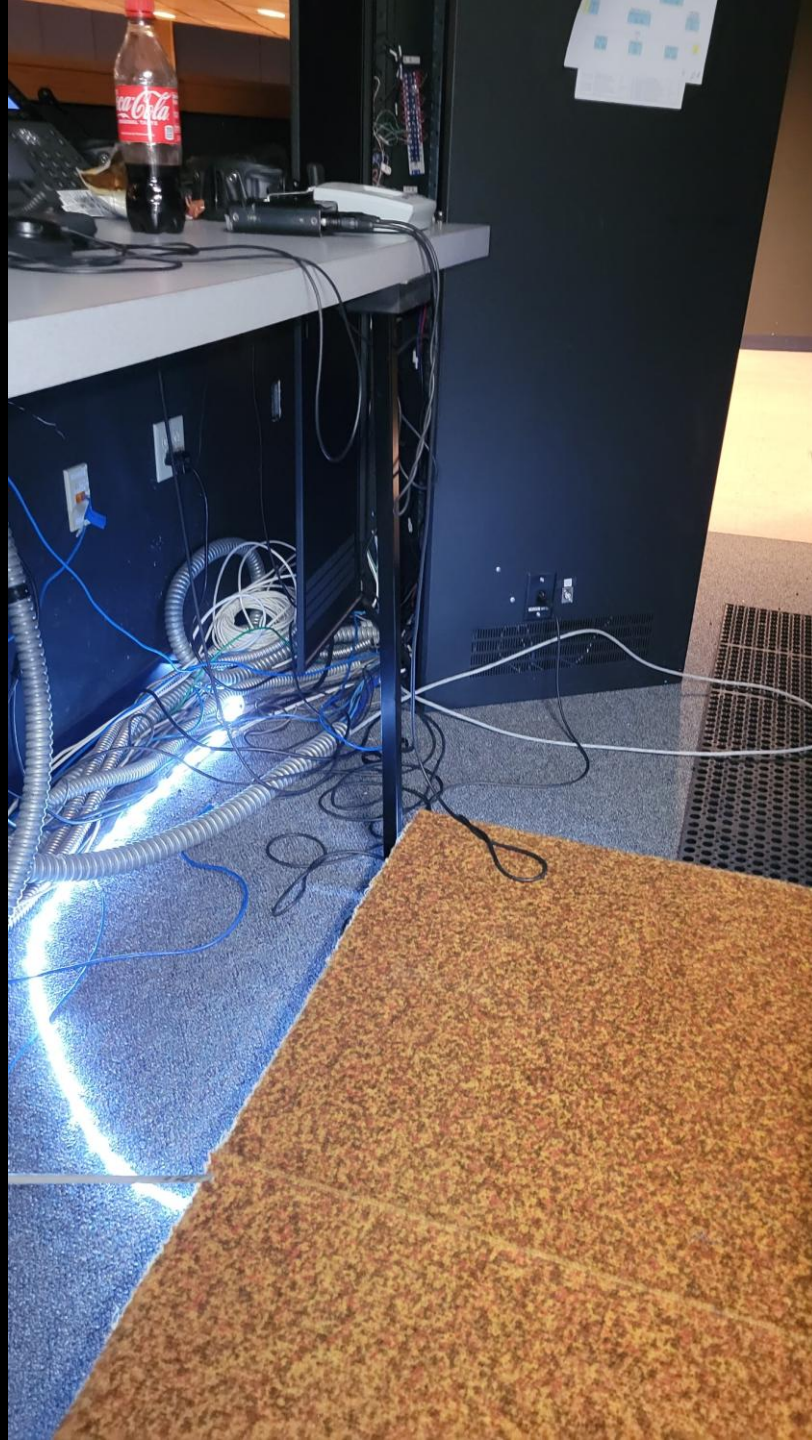
# Friends of the Engler Center

2025 Technology and Infrastructure Upgrades

# Before & In-Progress Photos

Old Booth Control Rack















Old Booth Control Rack  
Most of this equipment was great 20  
years ago!

Now it is mostly obsolete.



Old Booth equipment and cabling



Old lights that were removed





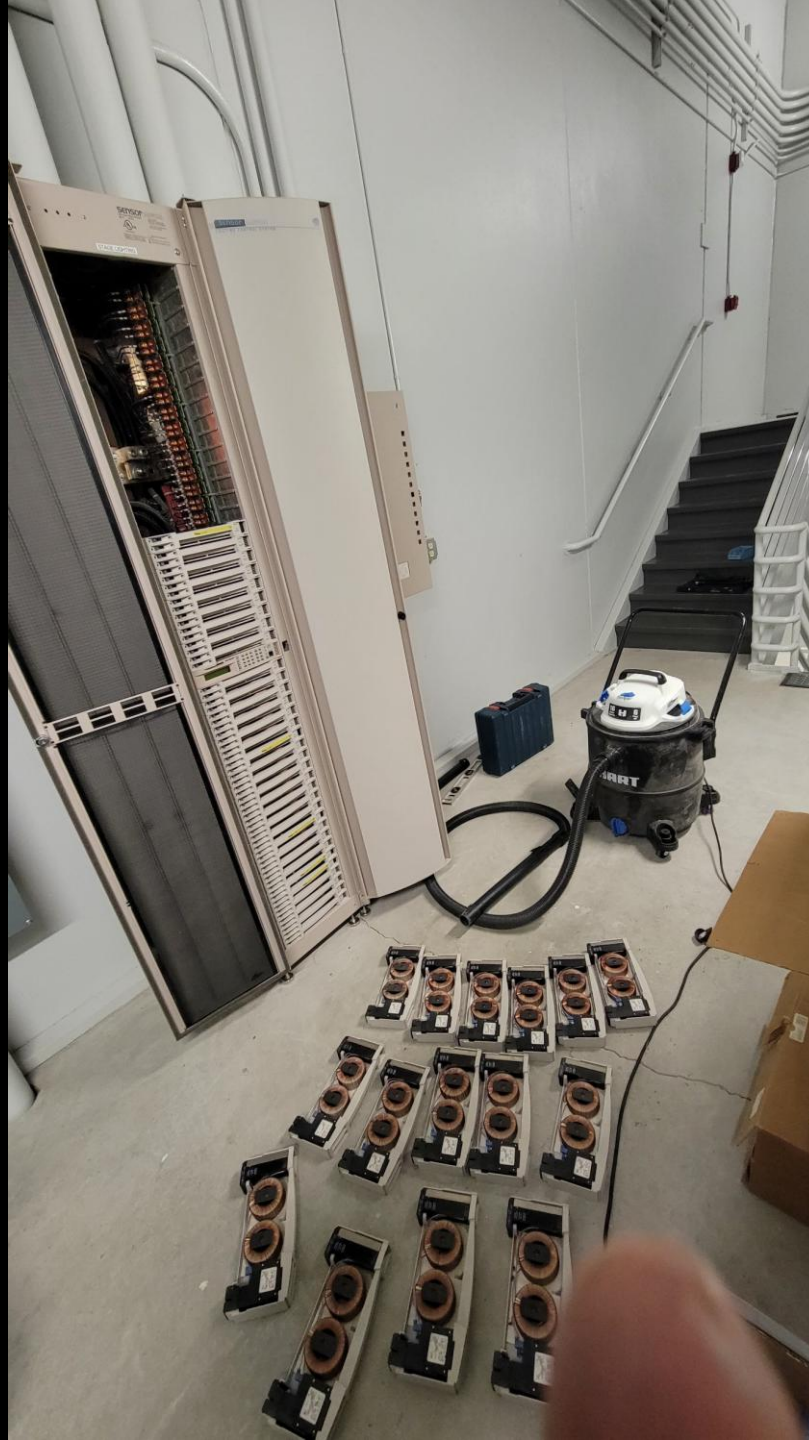


New lighting data rack  
in progress





While we're up here, let's  
vacuum out the dimmer rack





Packing up the old wired headsets











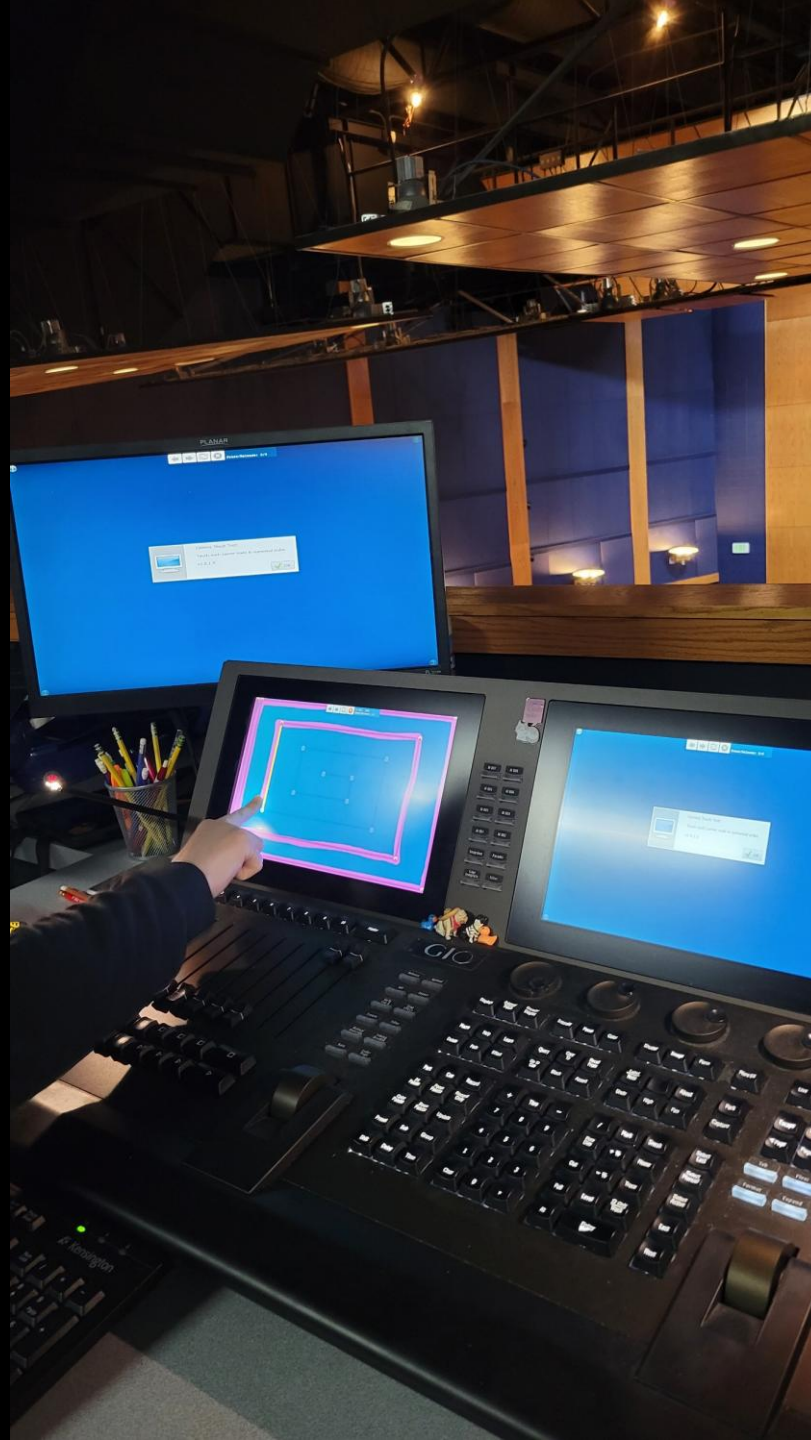
The pile of old equipment to recycle grows!





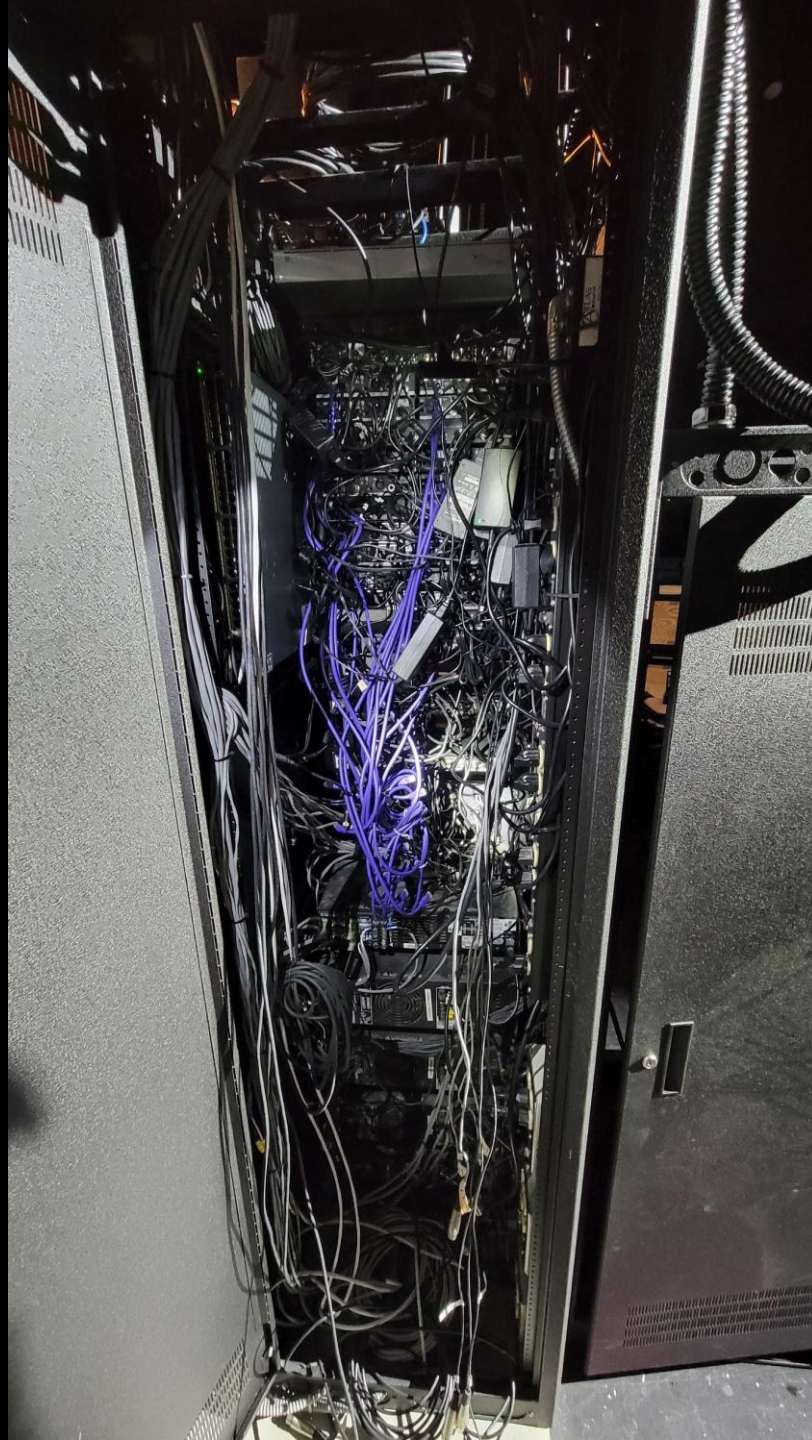


Time for a light board software  
update while we're at it





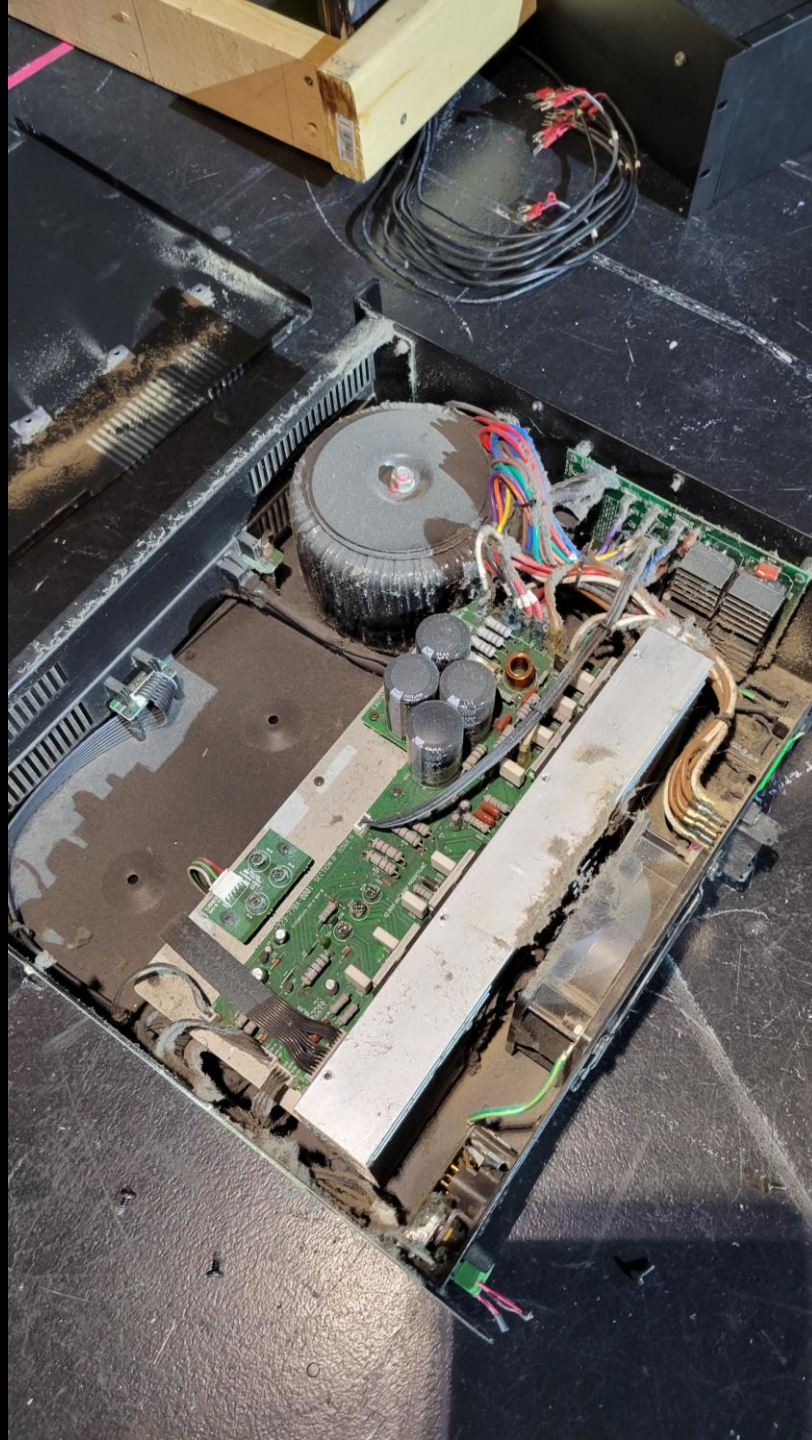
Old Amp Rack Cabling





While we have the racks open,  
let's vacuum the amp racks



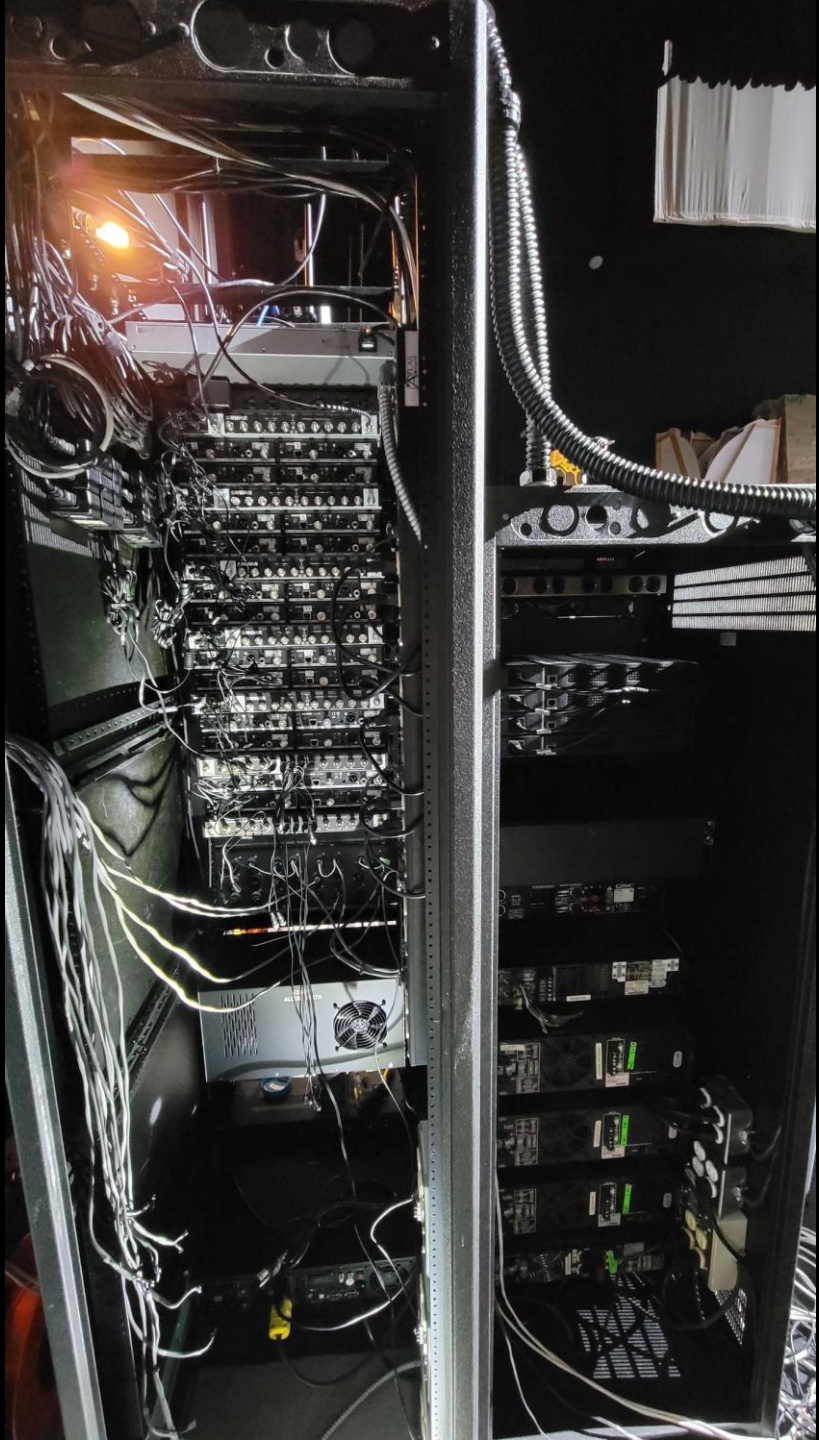




Unboxing new equipment!













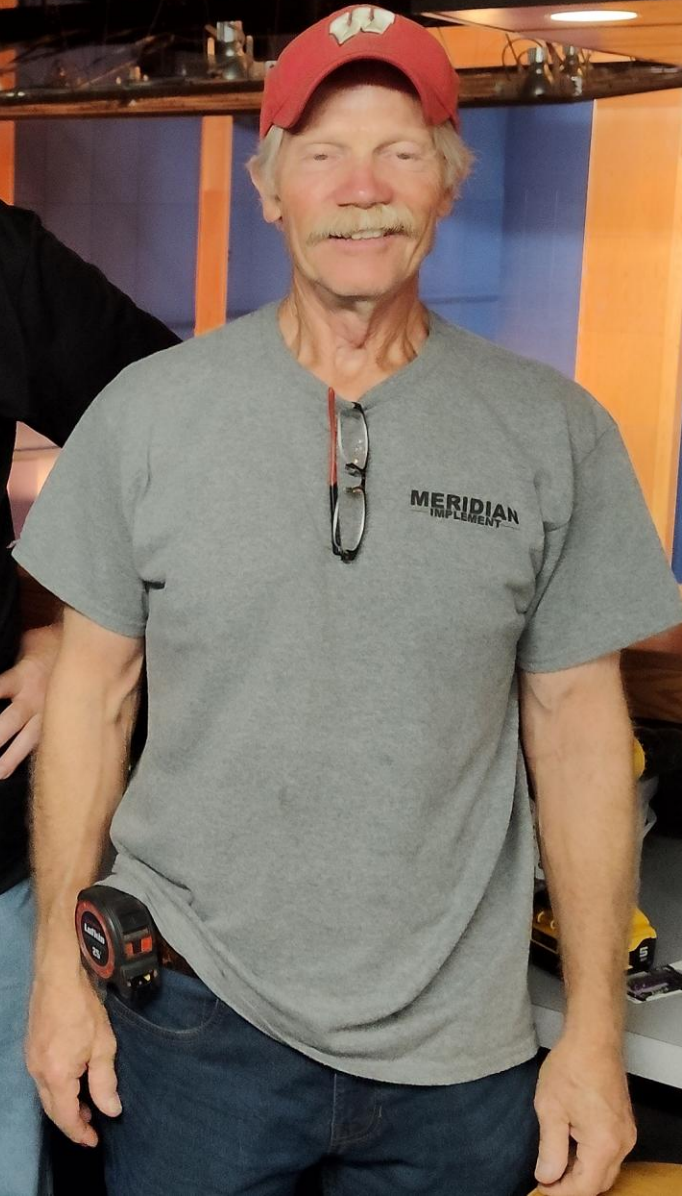
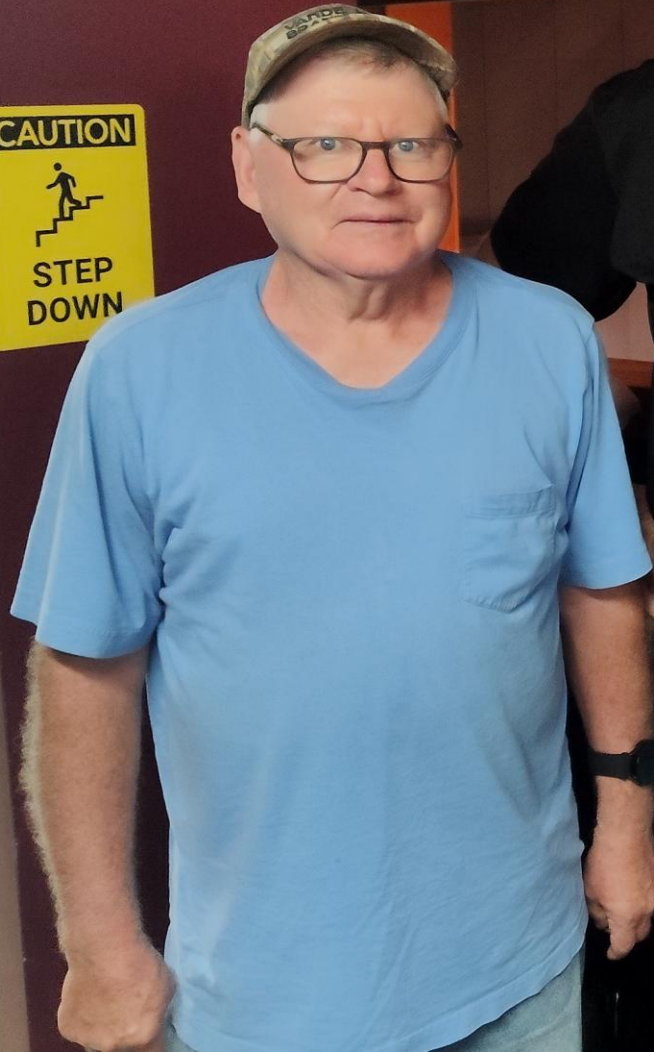














New Equipment En Route!





After Photos

## Lighting Repairs





## Lighting Repairs





Lighting Lens Cleaning





## Lighting Lens Cleaning





## Lighting Firmware Updates



# Lighting Firmware Updates

The screenshot shows the UpdaterAtor software interface. At the top, a table lists the selected device for update:

Selected	Status	Software Version	Type	Name	IP Address
<input checked="" type="checkbox"/>	Online	3.1.0.13	Response Mk2 DMX Gateway CPU2	DMX Gateway	10.0.0.101

A modal window titled "Update Through Gateways" is open, showing the progress of updating the "DMX Gateway (1 of 1)". The progress bar is at 19%.

Port 1: 19%  
Port 2: 0%  
Port 3: 0%  
Port 4: 19%

**Warning:** Do not disconnect DMX cabling or power off fixtures during upgrade. Doing so may cause upgrades to fail, and require a restart of the upgrade process.

Buttons: Update..., Setup Versions, RDM Devices, About, Exit.

Software on Your PC:  
CEM+  
ACN/DMX 4 Port Gateway  
Show Control Gateway  
I/O Gateway

Legend:  
The version of software on your PC is **newer** than the one on the device. You can upgrade the device to the latest version with the update button.  
The version of software on your PC is **older** than the one in the device. You can downgrade the device to this version by selecting it and clicking on the "Update" button.  
The version of software on your PC is the same as the one in the device.

Taskbar: UpdaterAtor, Engler Center Update UI, 5:41 PM, 5/31/2025



New Booth Layout  
(Including new floor platforms  
raised 8" to see stage)













## New Booth Control Rack





## New System Switches



## New Camera Monitors









# New Digital Sound Board and Tablet









2 New Computers:  
One for Video Playback  
One for Show Control/Music Playback/Streaming

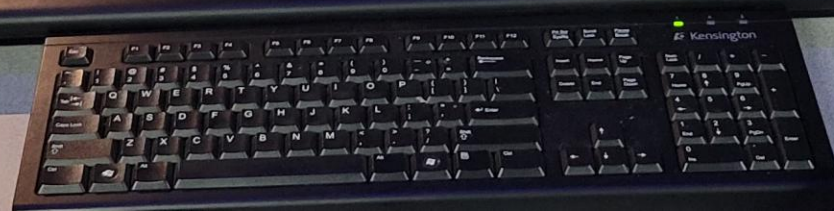




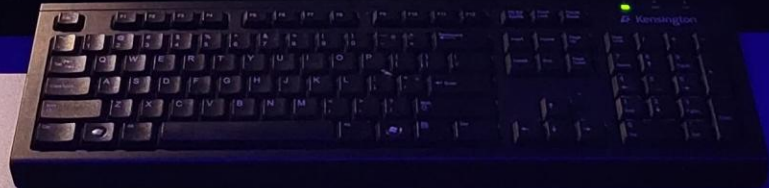
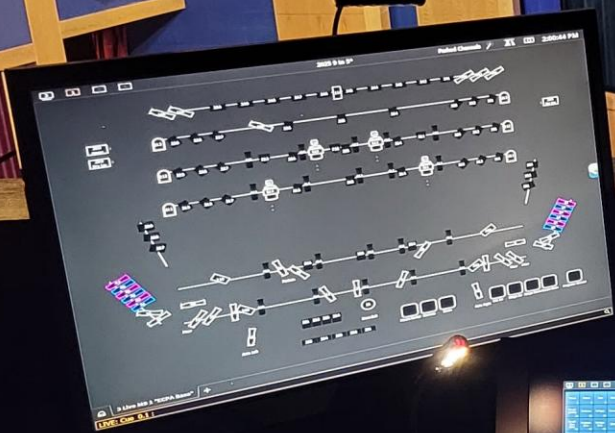




Same Light Board (circa 2014)













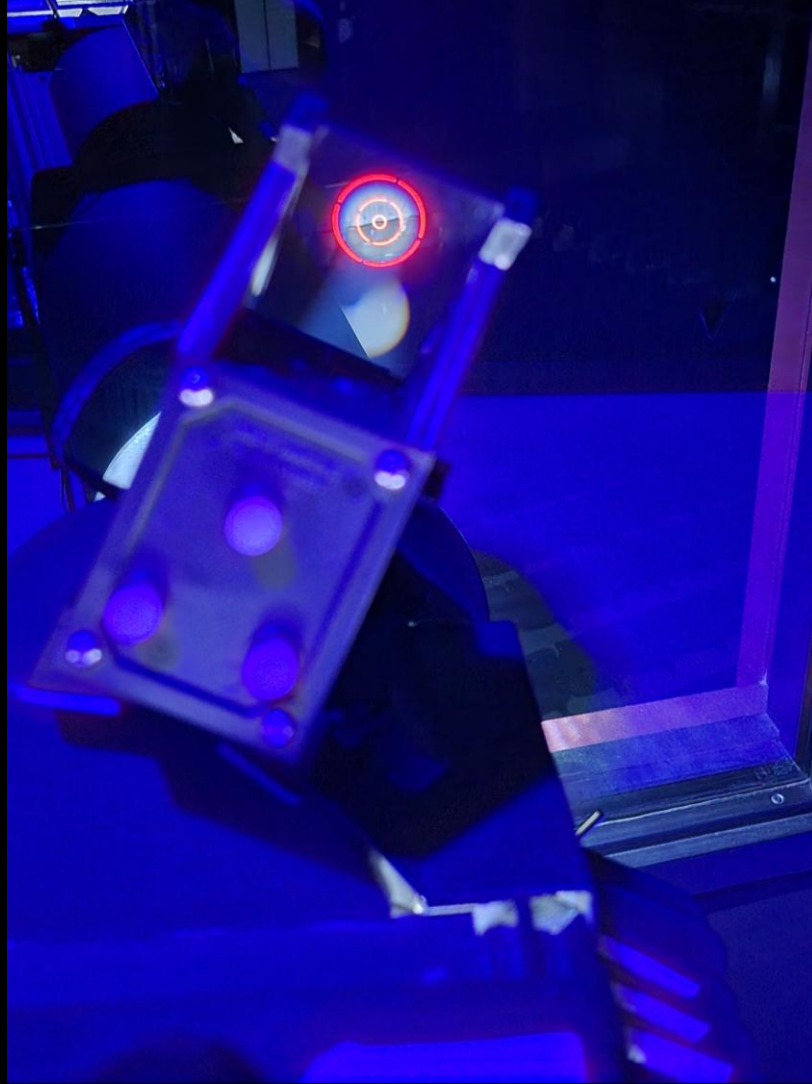




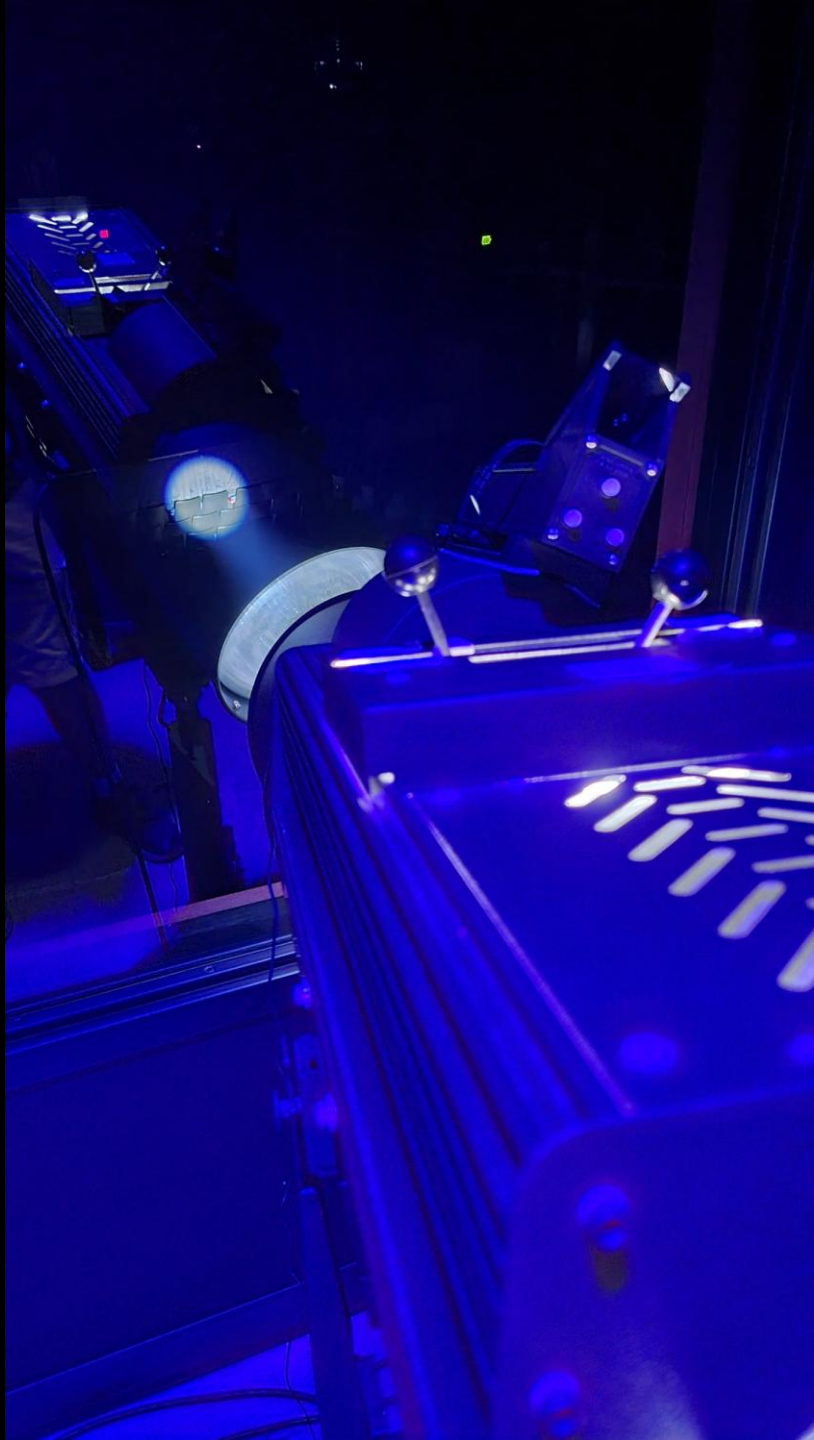


## New Spotlight Scope













## New Wireless Headsets and Storage



Upgraded Amp Rack (tall)  
New Amp Rack (small)







New Wireless Mic Receivers (on right)  
New Battery Chargers and Amps (left)



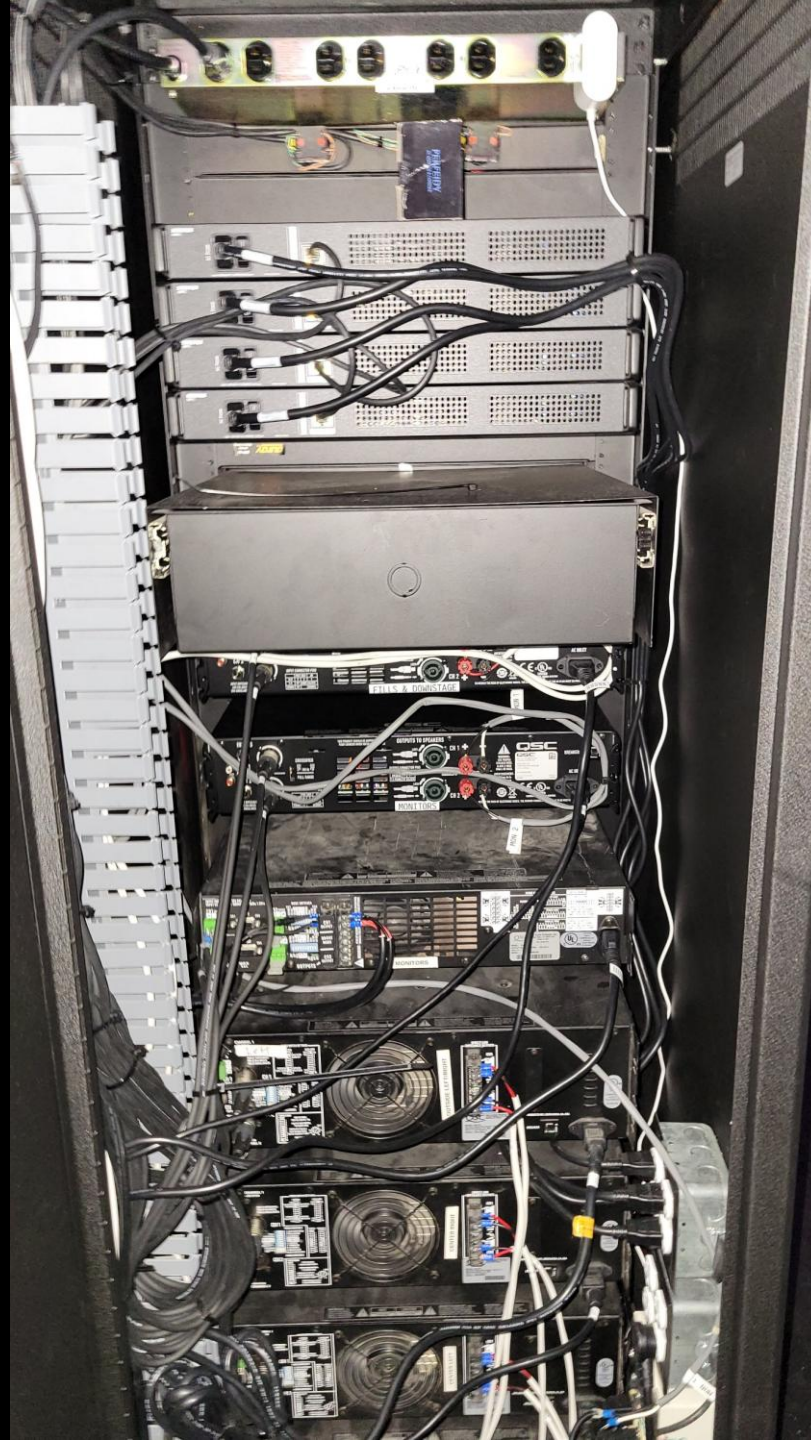


Before the rechargeables, we would go through 48 AA or 9V batteries per night of rehearsal and performance.

That's nearly 500 batteries per average show we are saving!



Back of Amp Rack







## New Rail Lights for Shows (Blue)





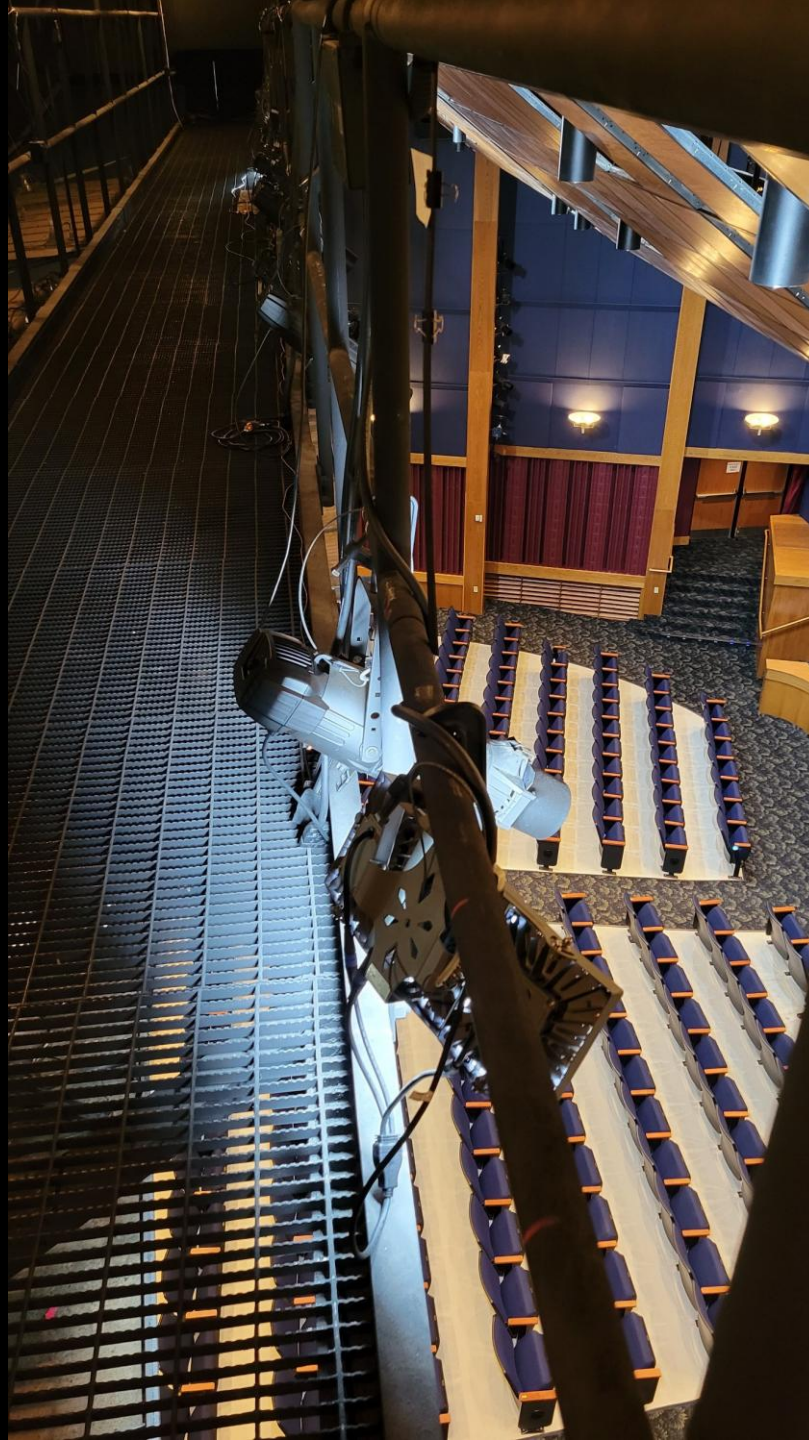


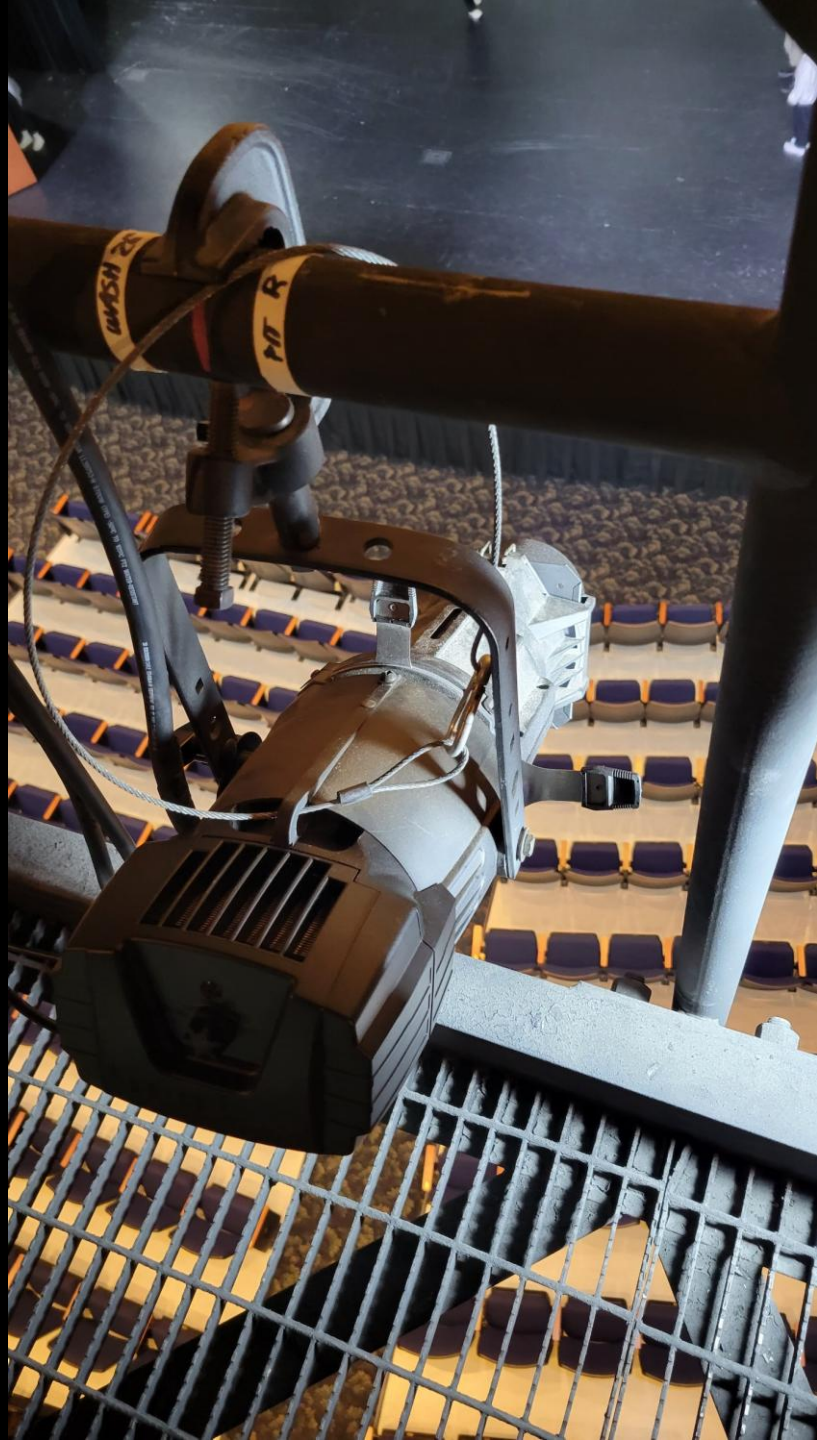






Catwalk:  
New LED Work Lights  
New Source 4WRD LED Retrofit  
New Top Hats for Source 4WRDs

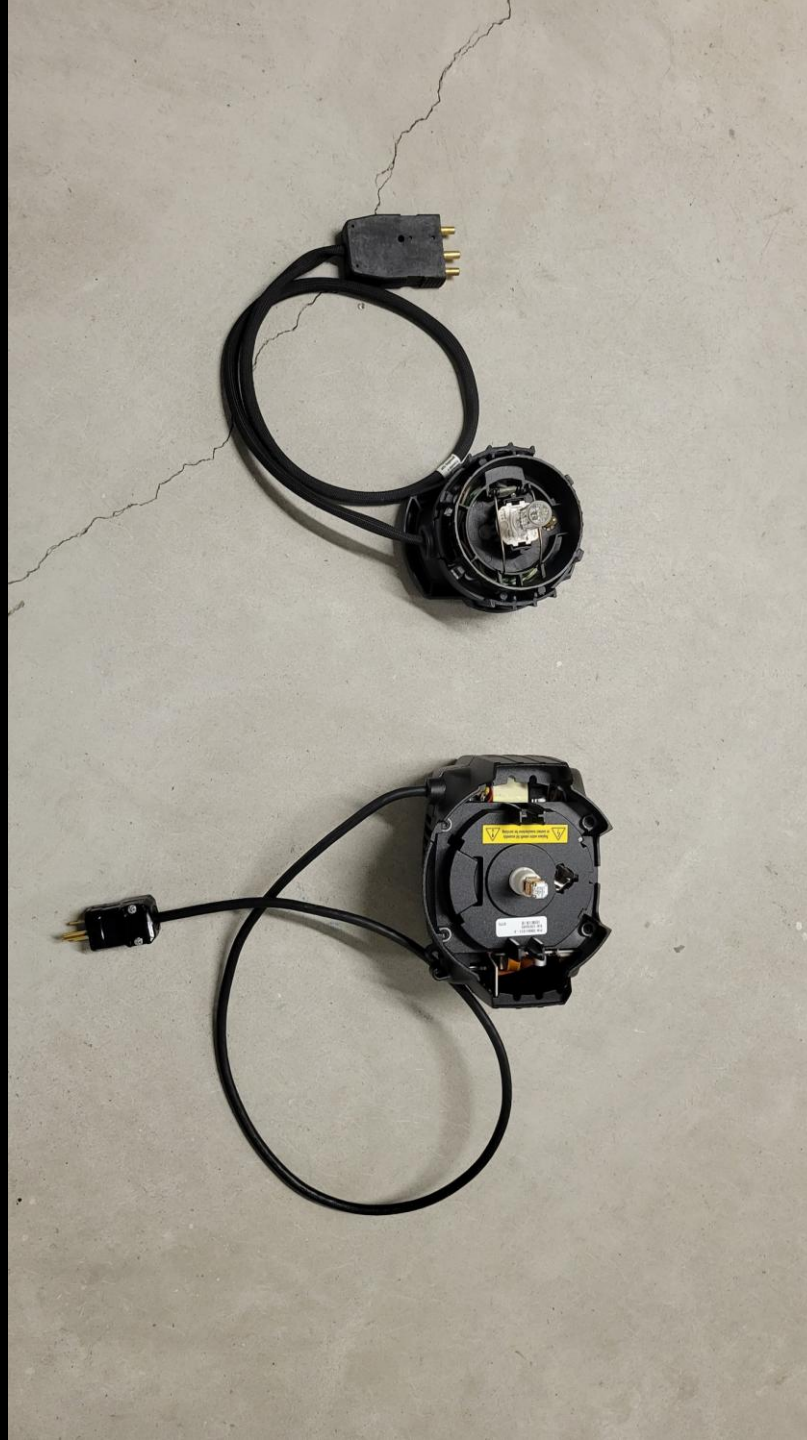




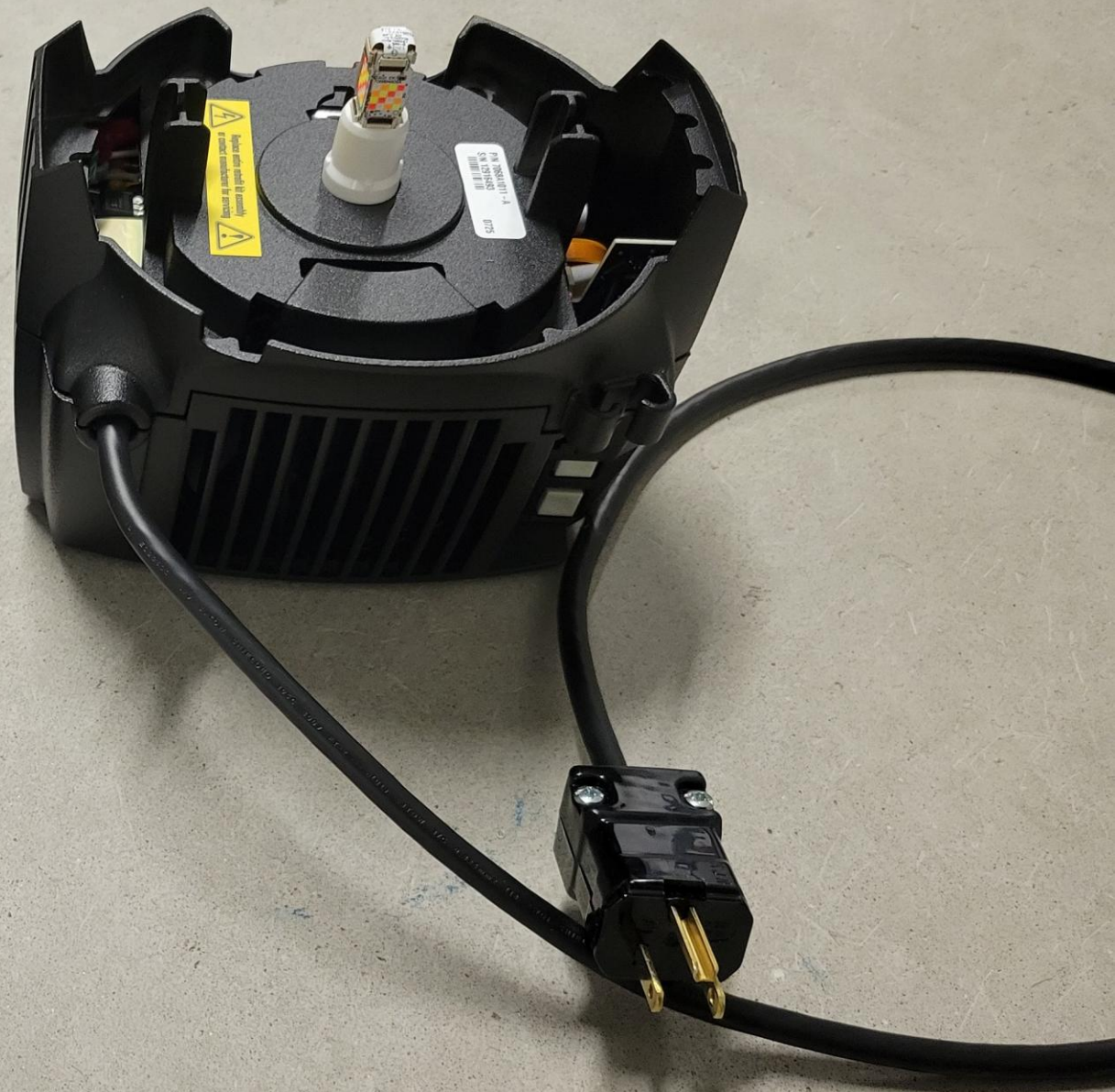




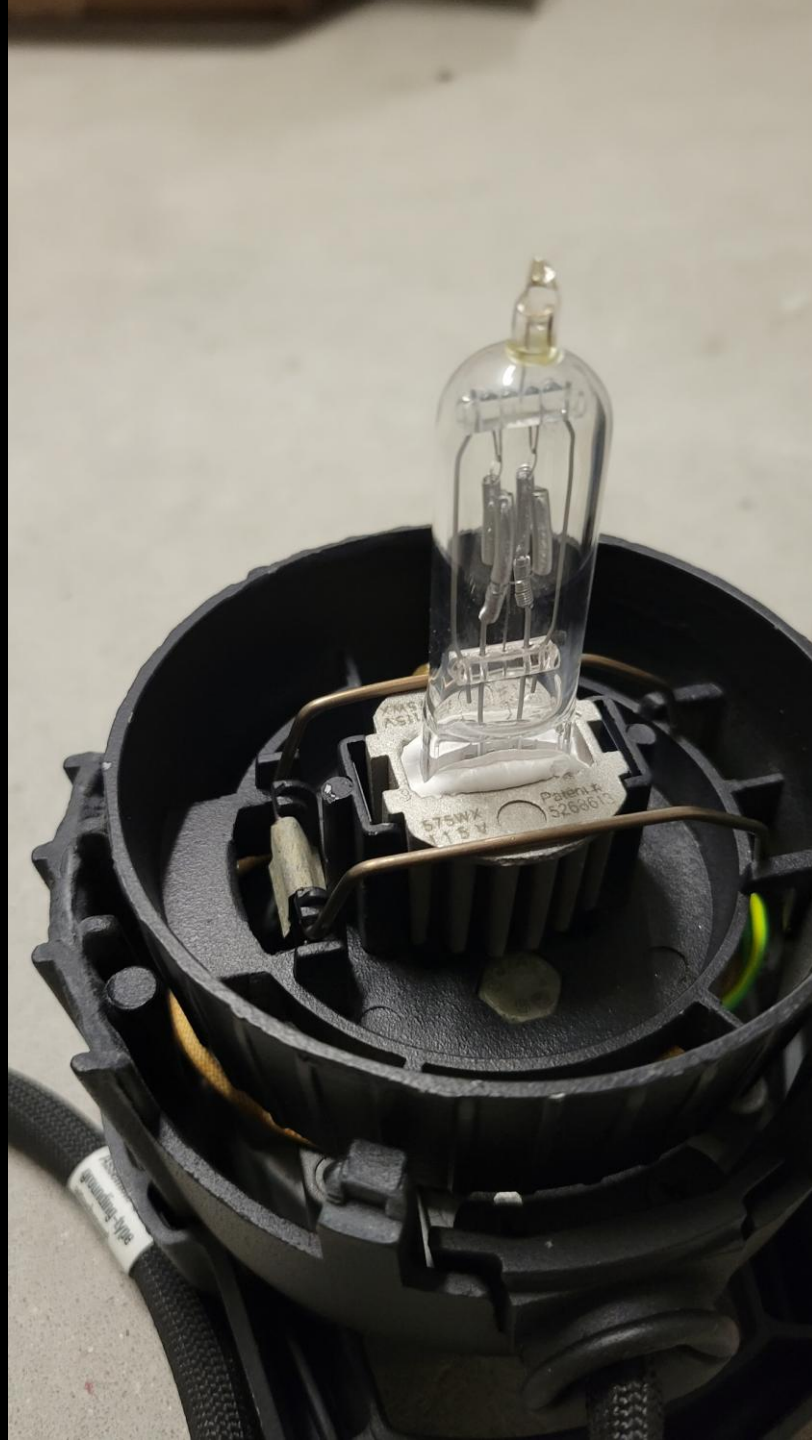
Old Source Four (on top)  
New Source 4WRD LED (on bottom)















## New Lighting Data Rack





