

A close-up photograph of an Epson projector. The projector is white and has a bright blue light emanating from its lens. The word "EPSON" is visible on the top left of the device. To the right of the lens, there is a small square logo with a colorful geometric design and the letters "EPL" below it. Further to the right, the text "AV Mute" is printed with a small triangle pointing left. The background is slightly blurred, showing a computer keyboard and a mouse.

# CONVOCATION IMAG AND GRAPHICS SYSTEM

LOYALIST COLLEGE



Problem



Idea



Opportunity

3 KEY ELEMENTS TO A SUCCESSFUL SOLUTION

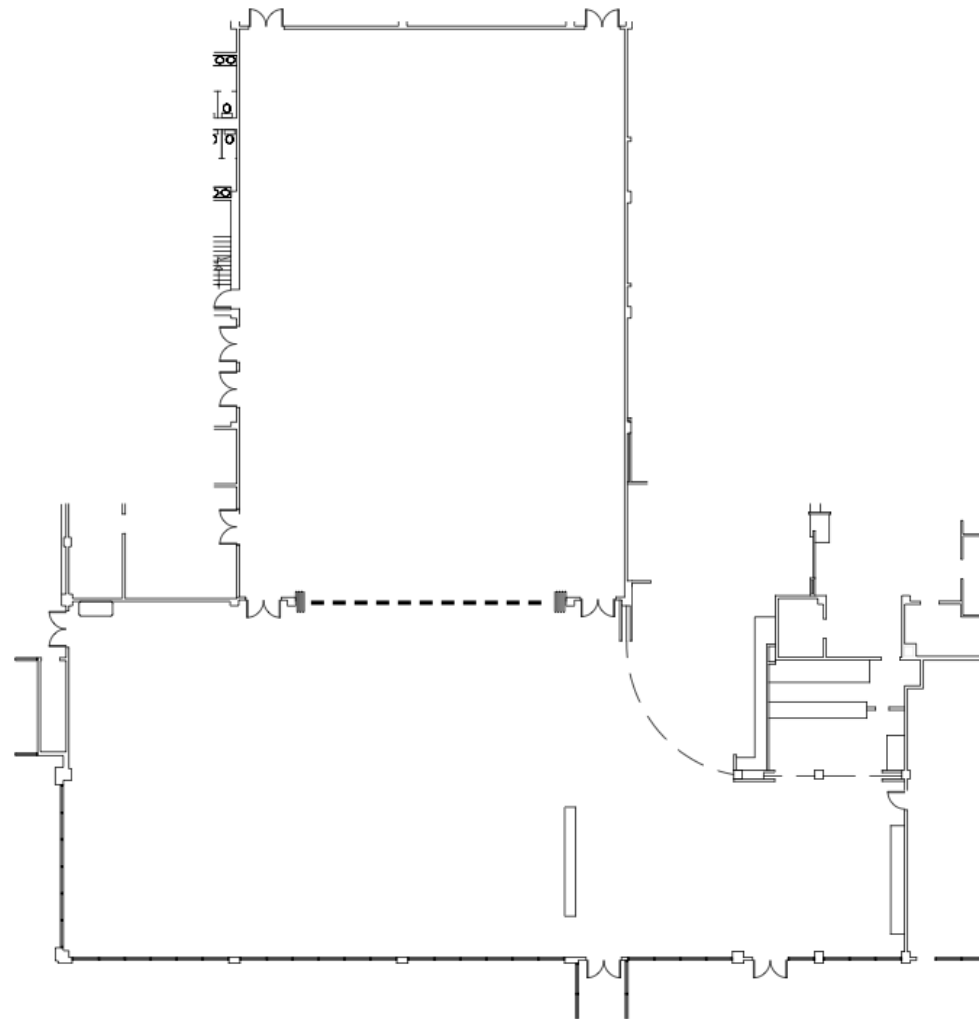




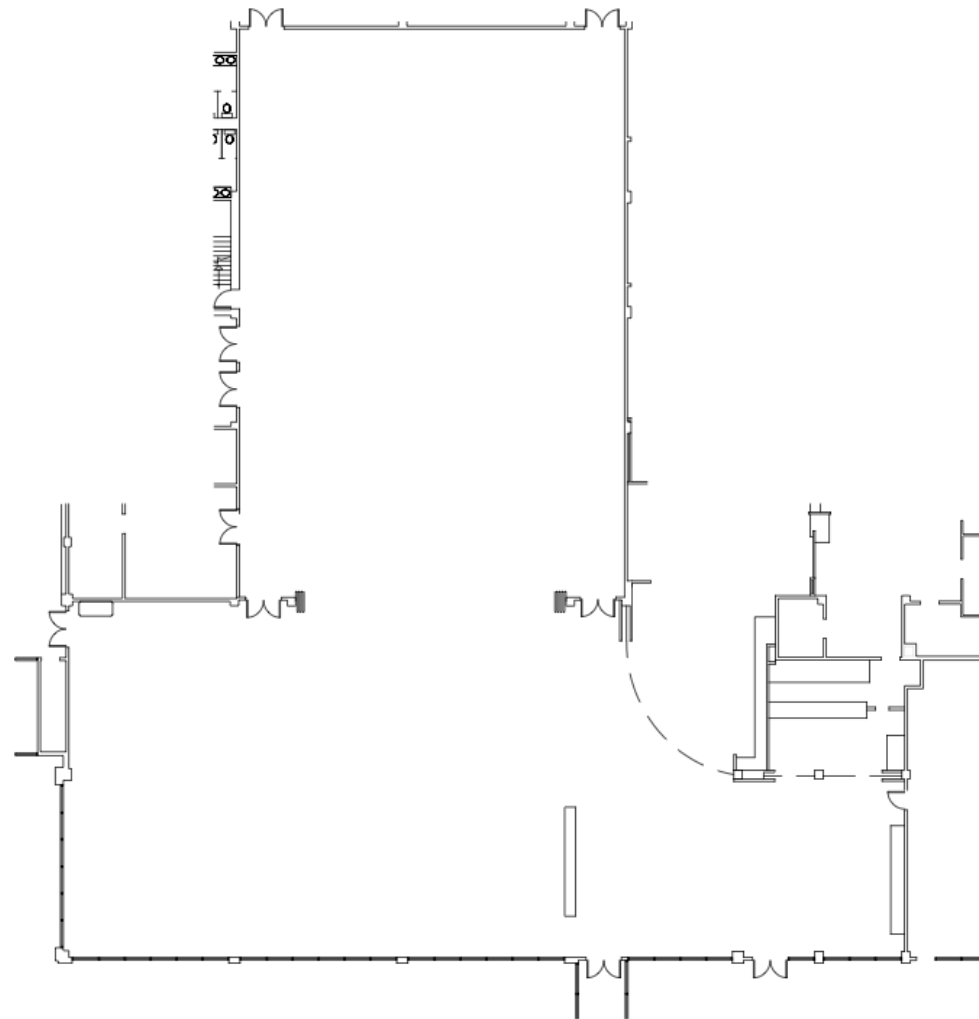
## IDENTIFYING THE PROBLEM



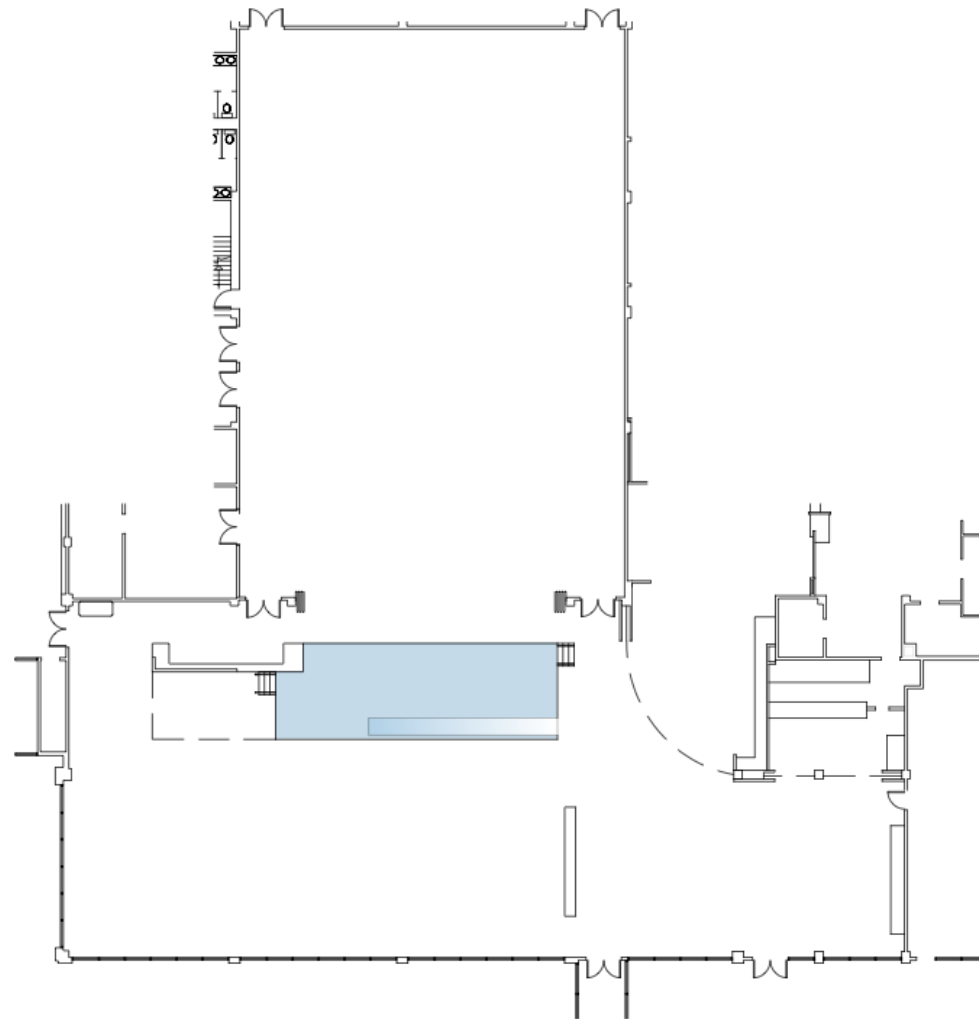
# THE VENUE



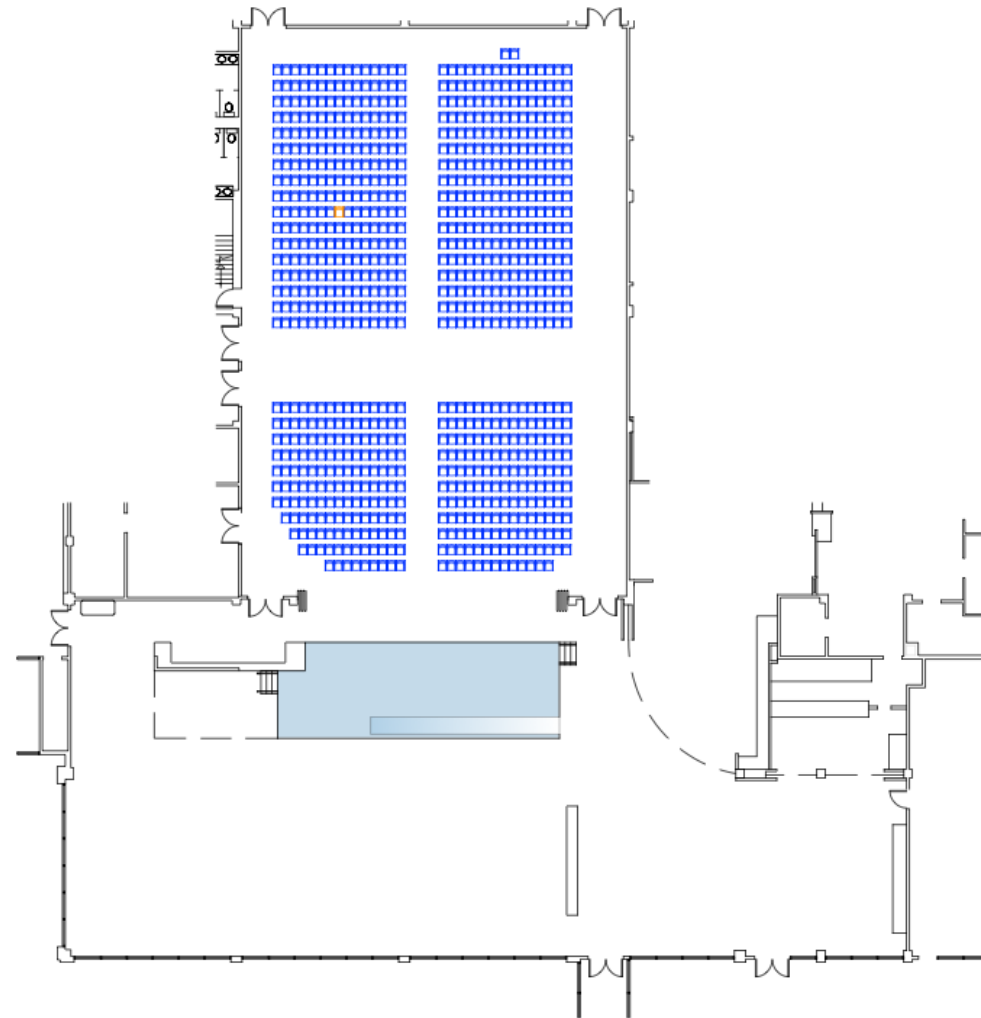
# THE VENUE



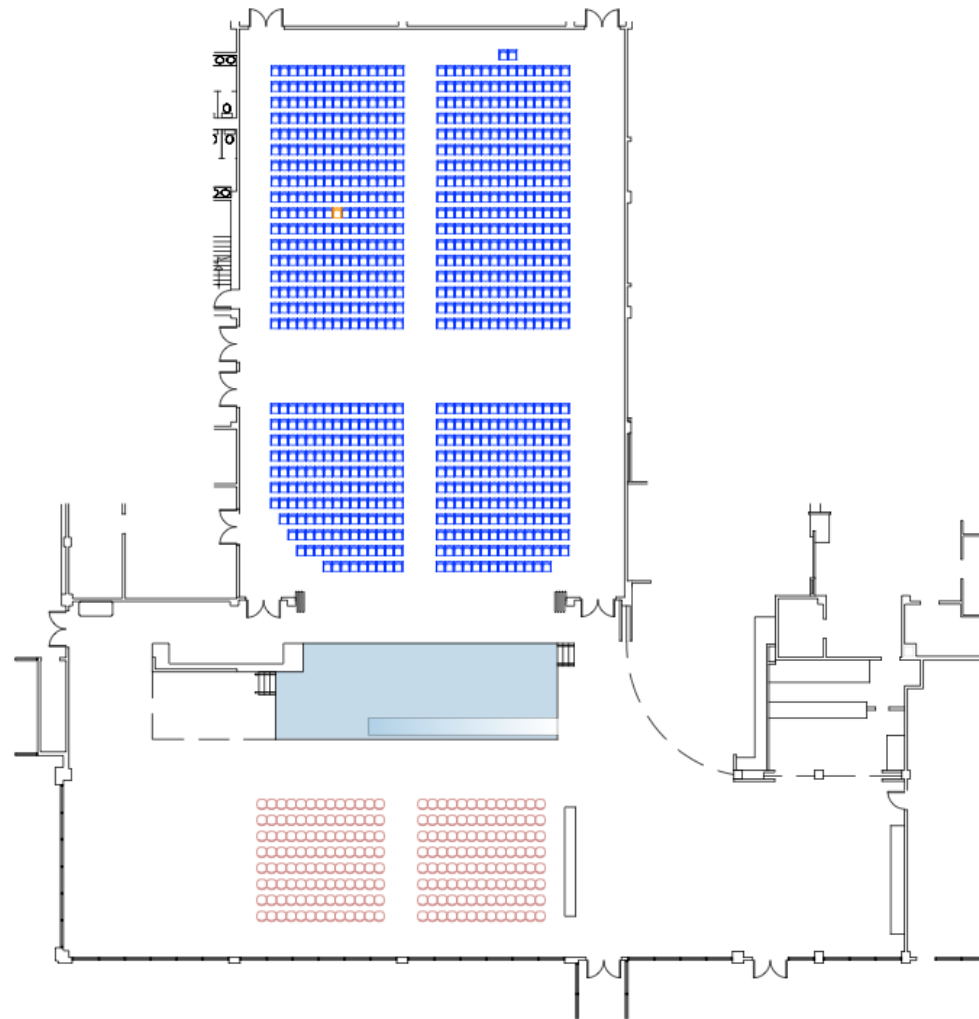
# THE VENUE



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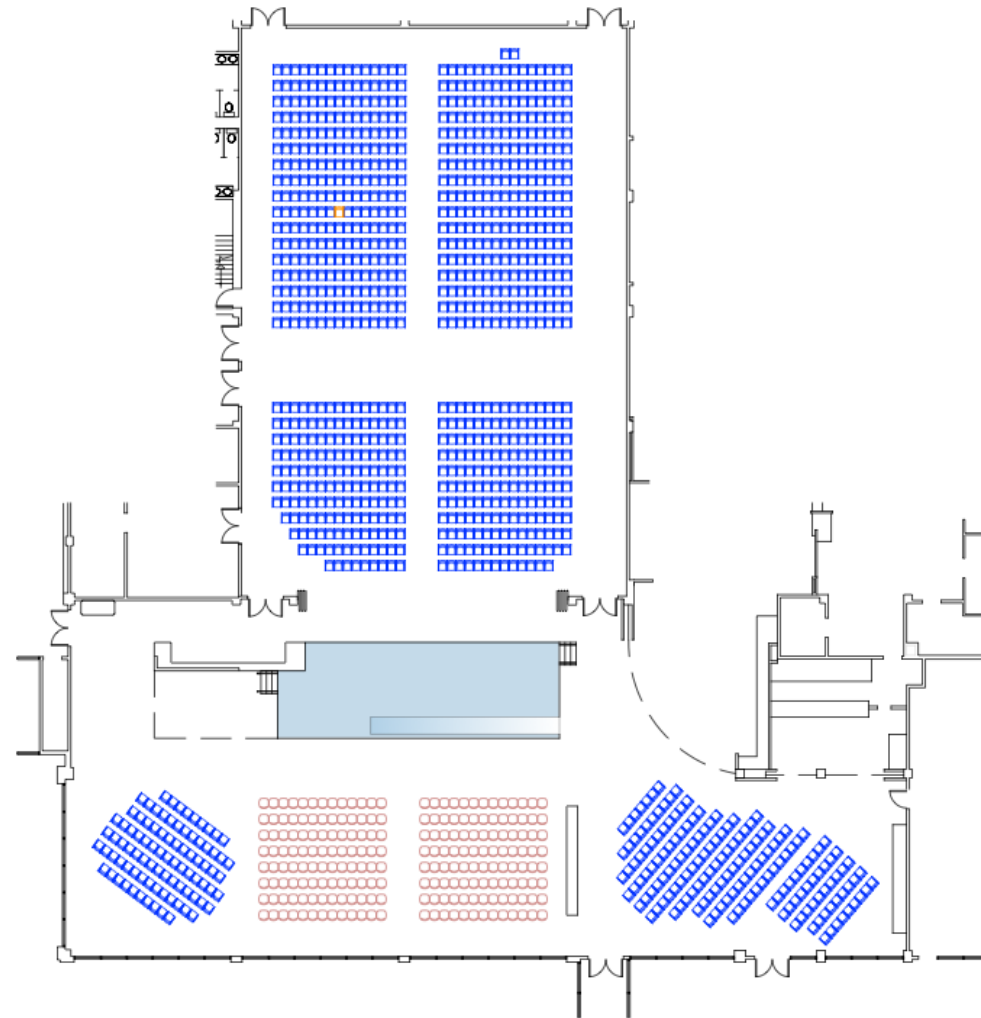


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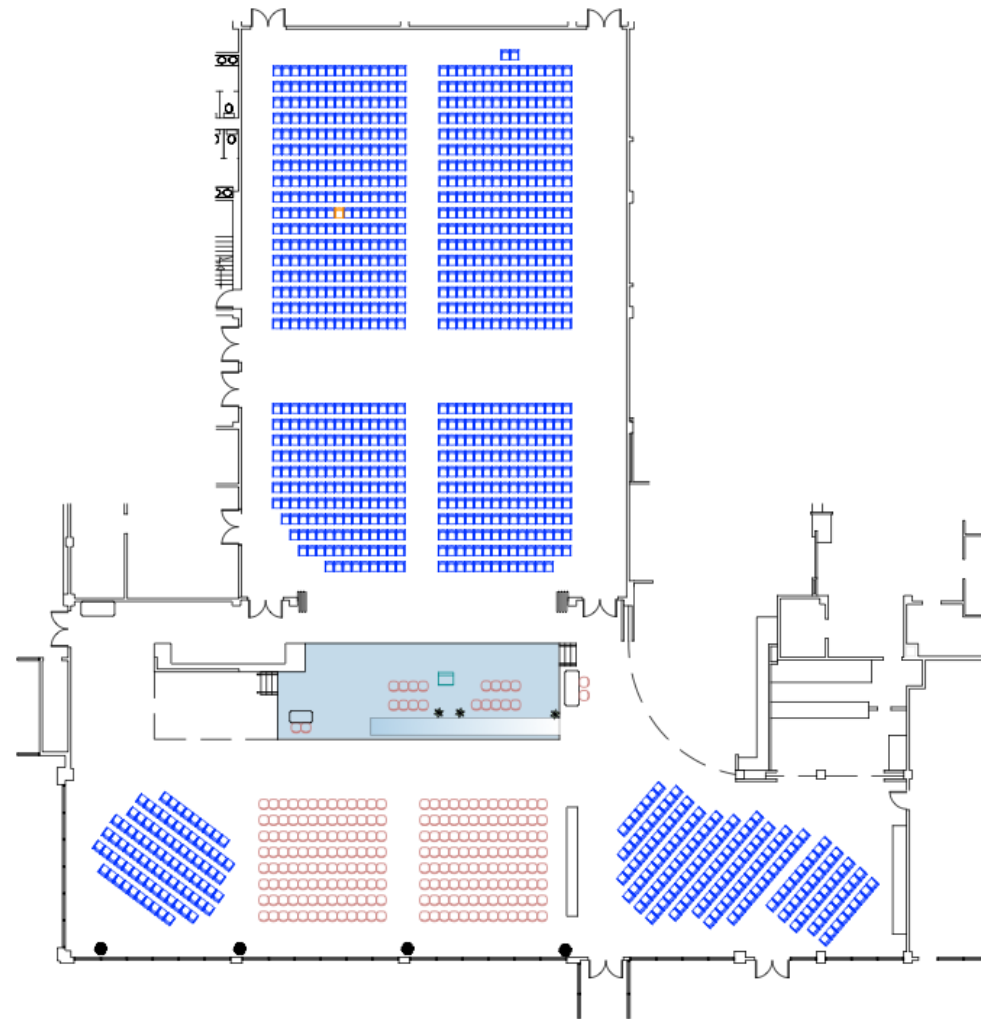




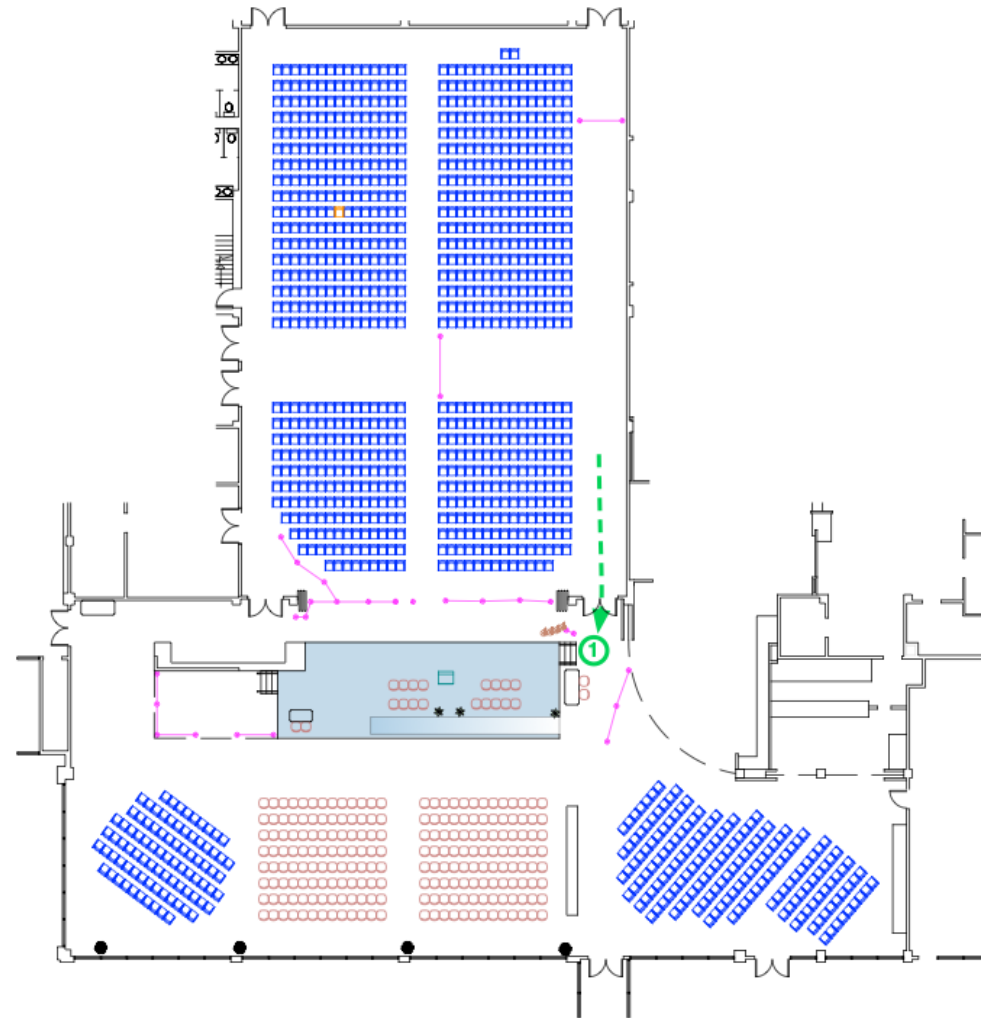
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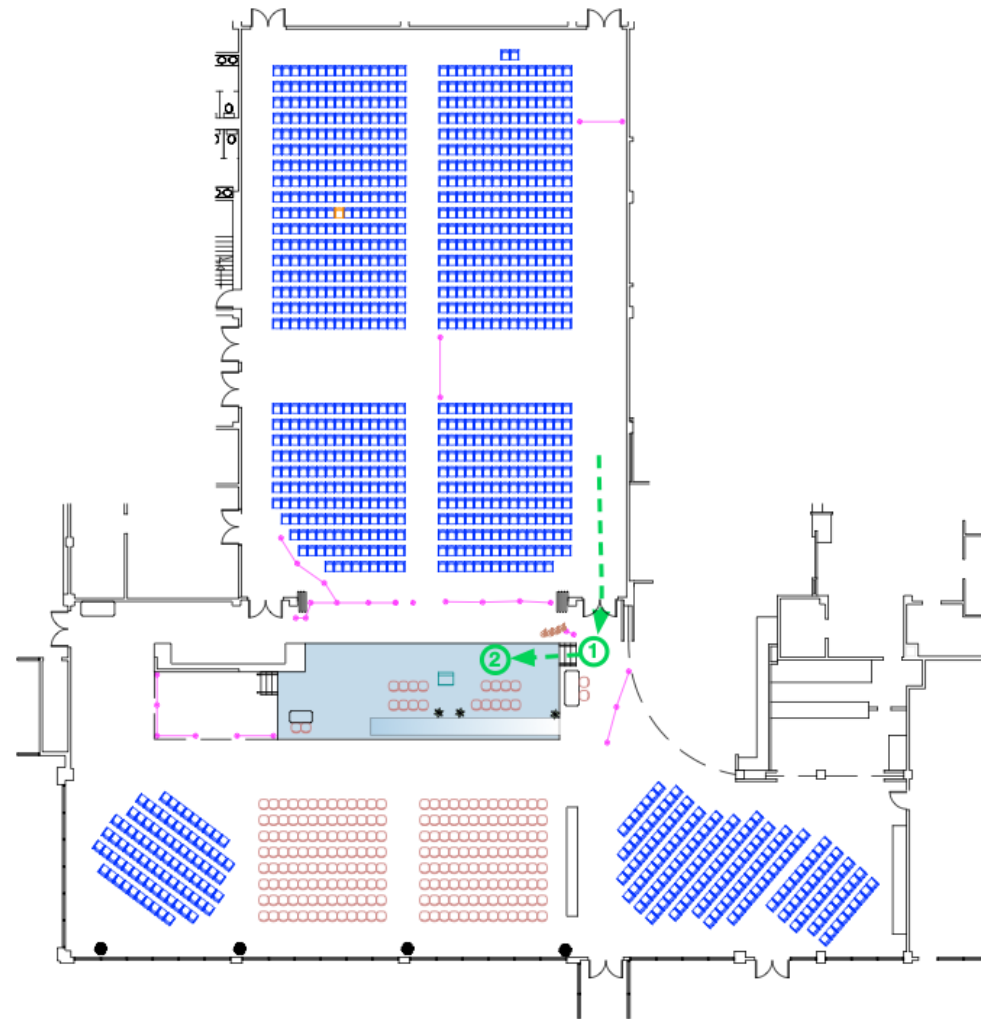
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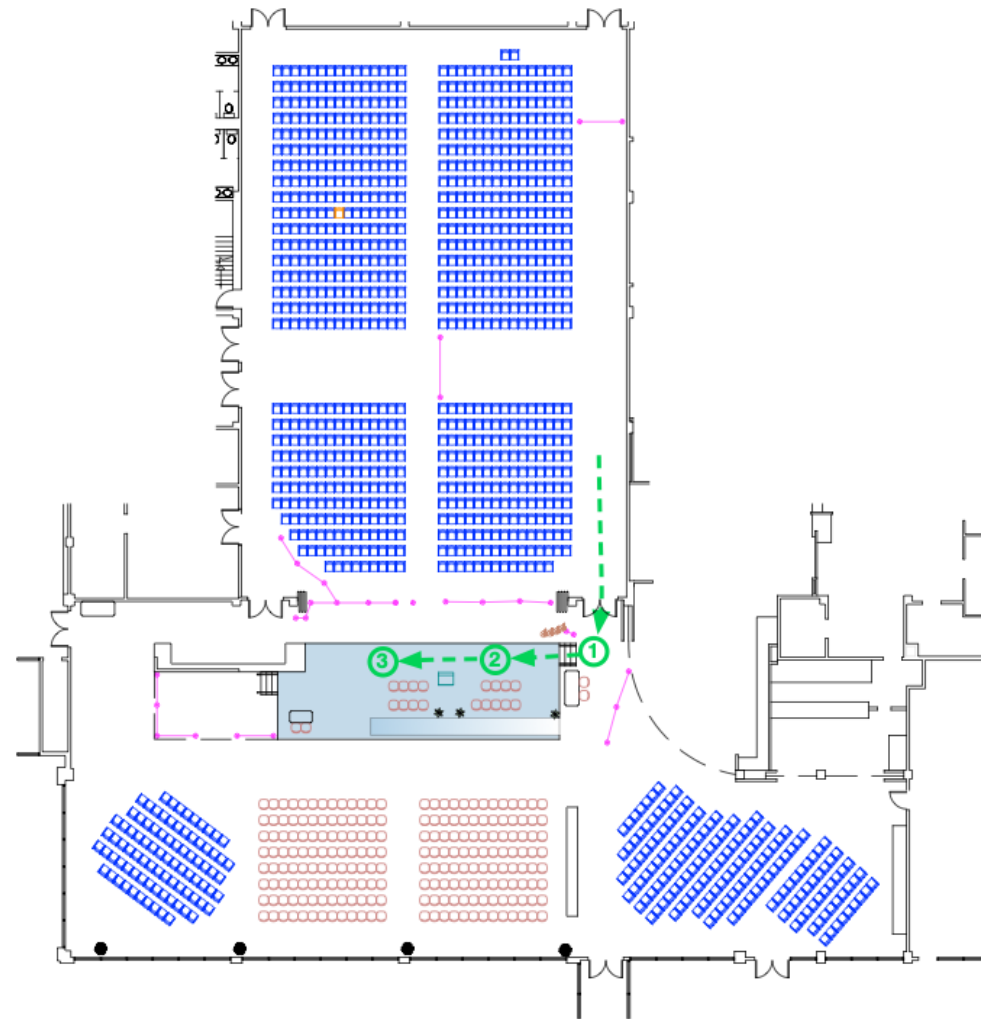
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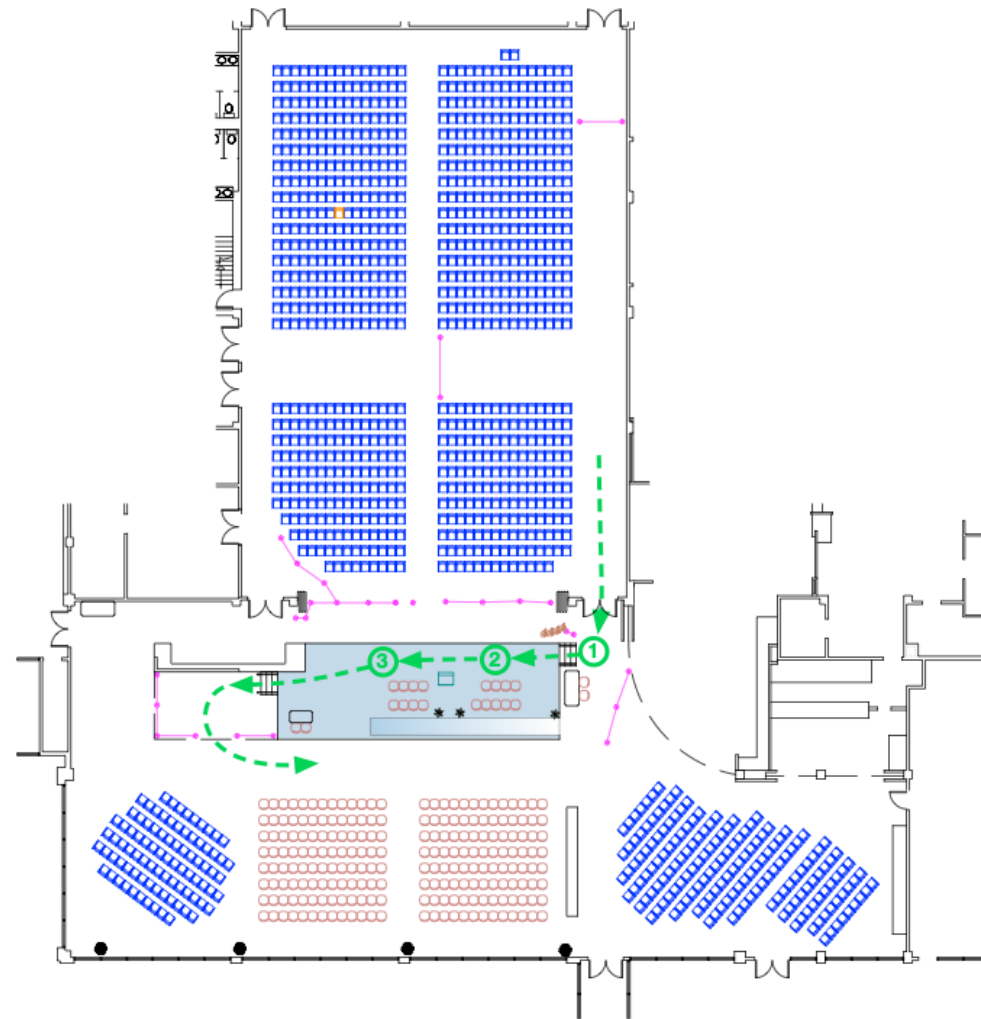
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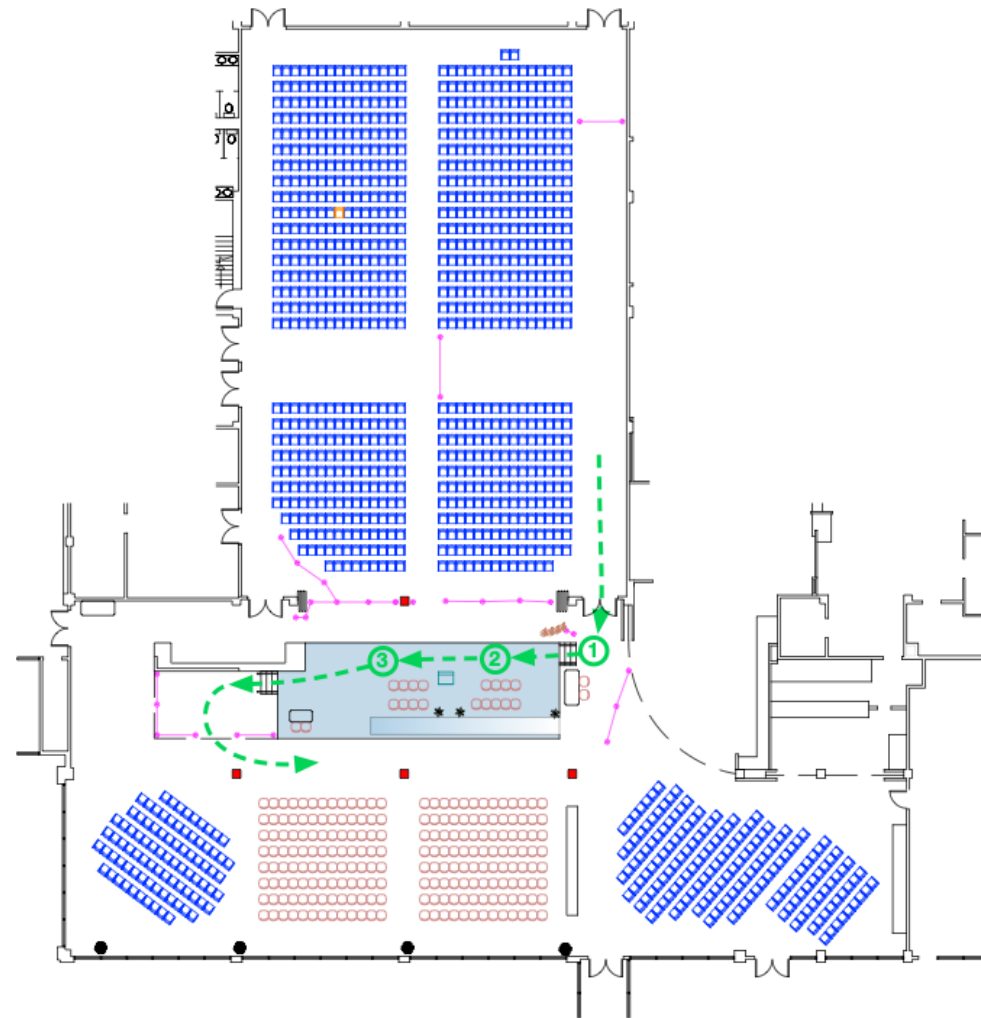


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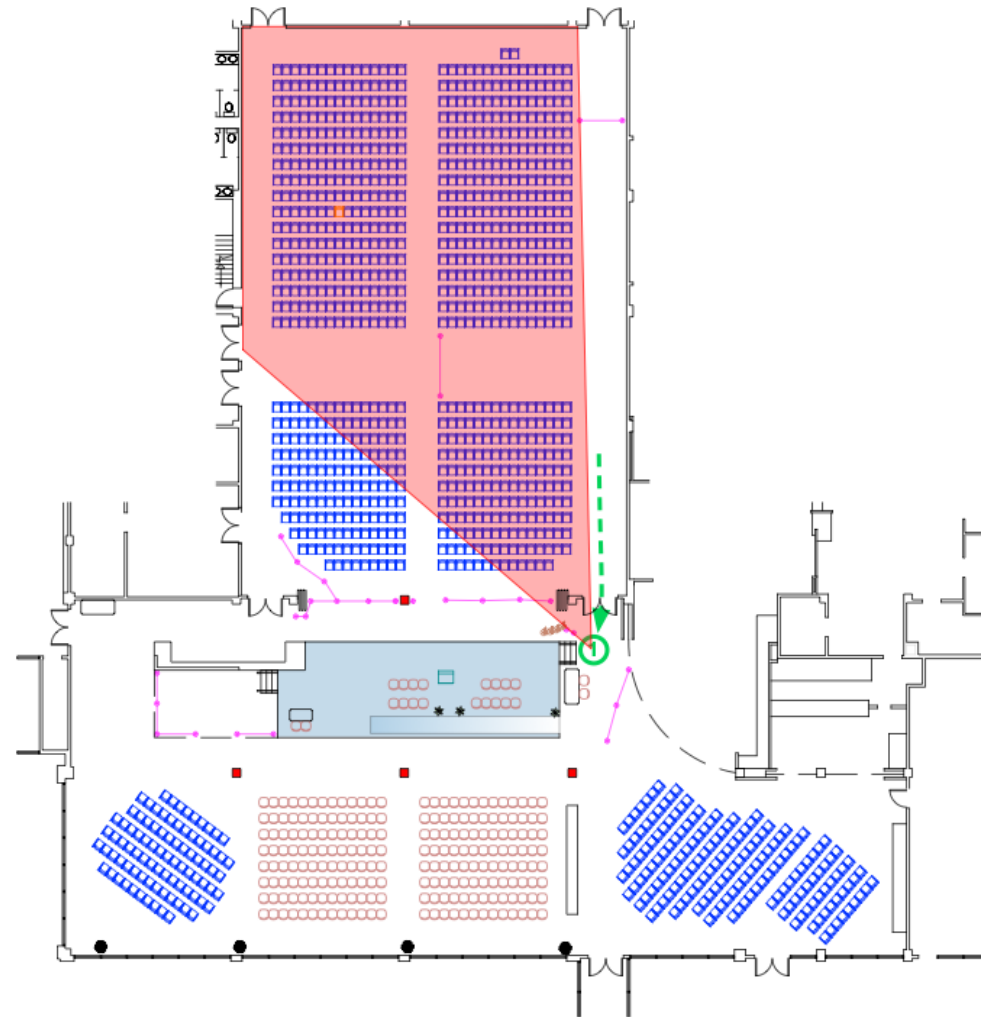




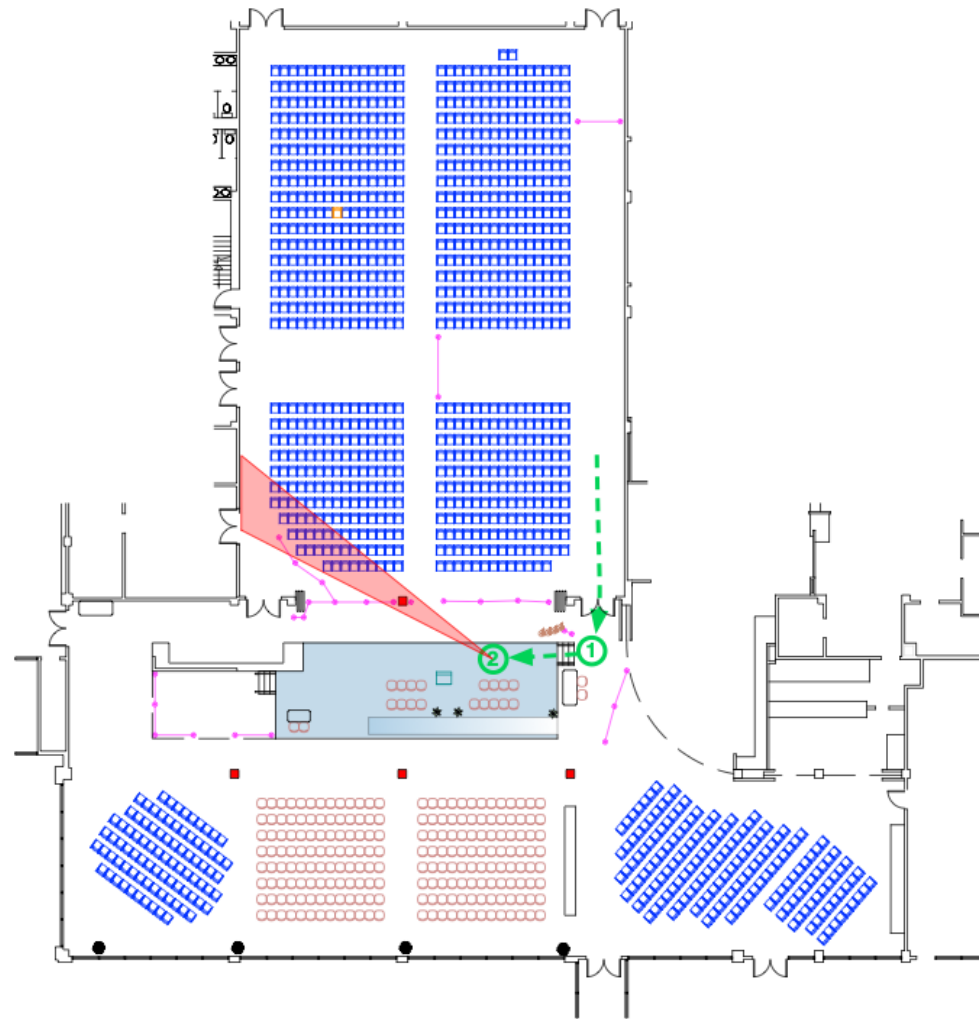
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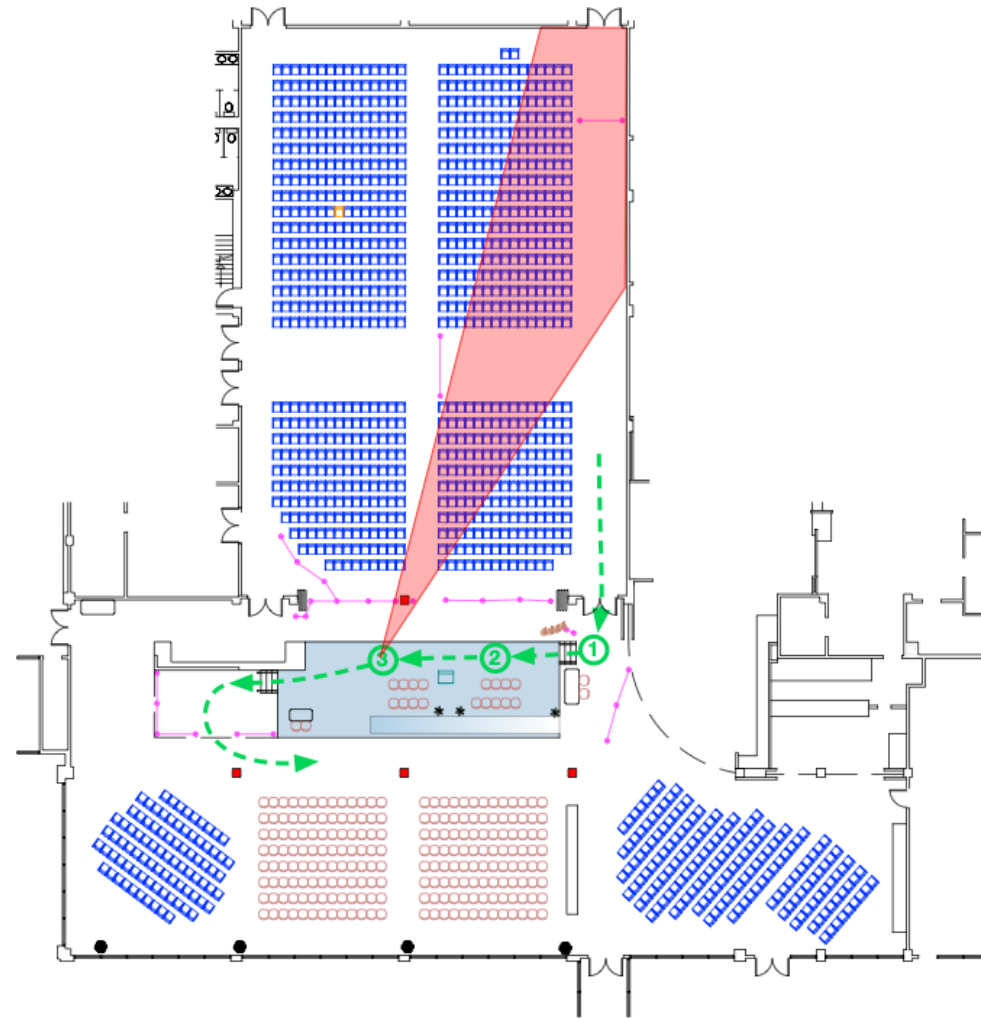
# THE VENUE



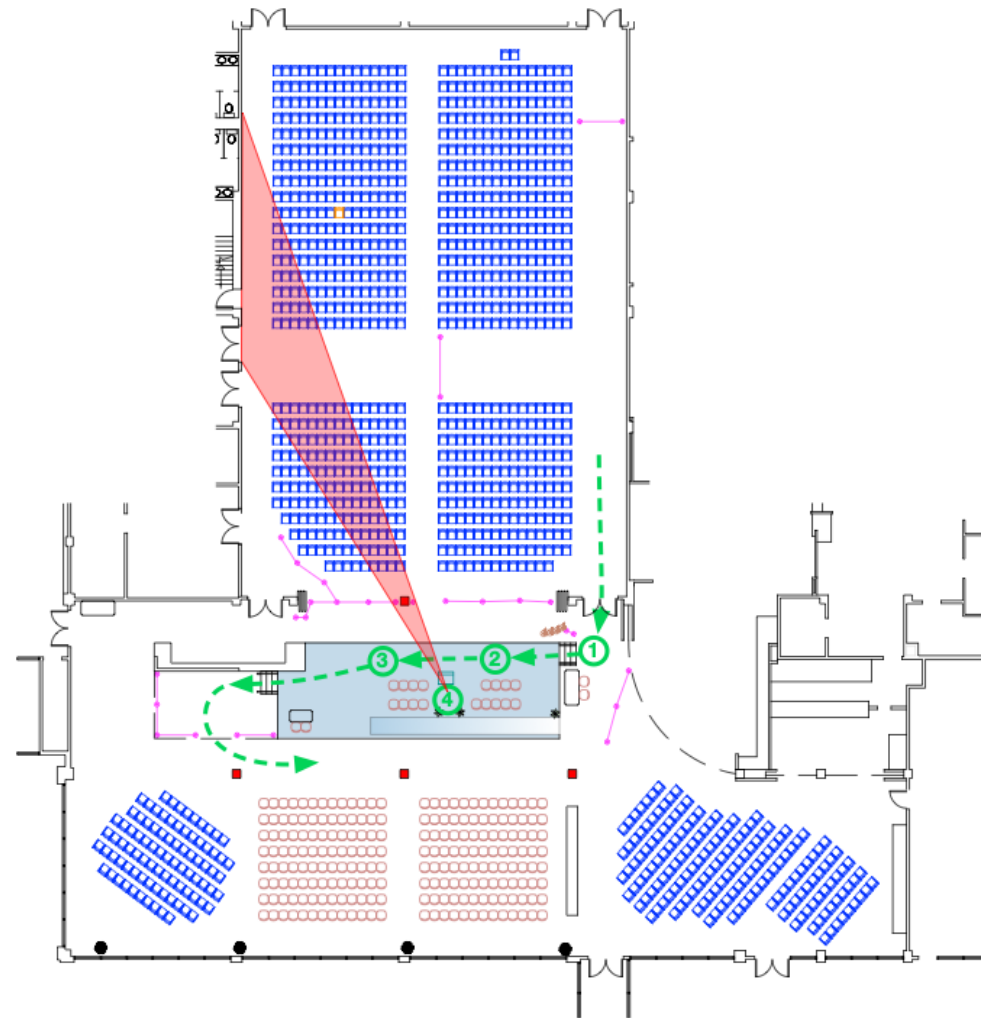
# THE VENUE



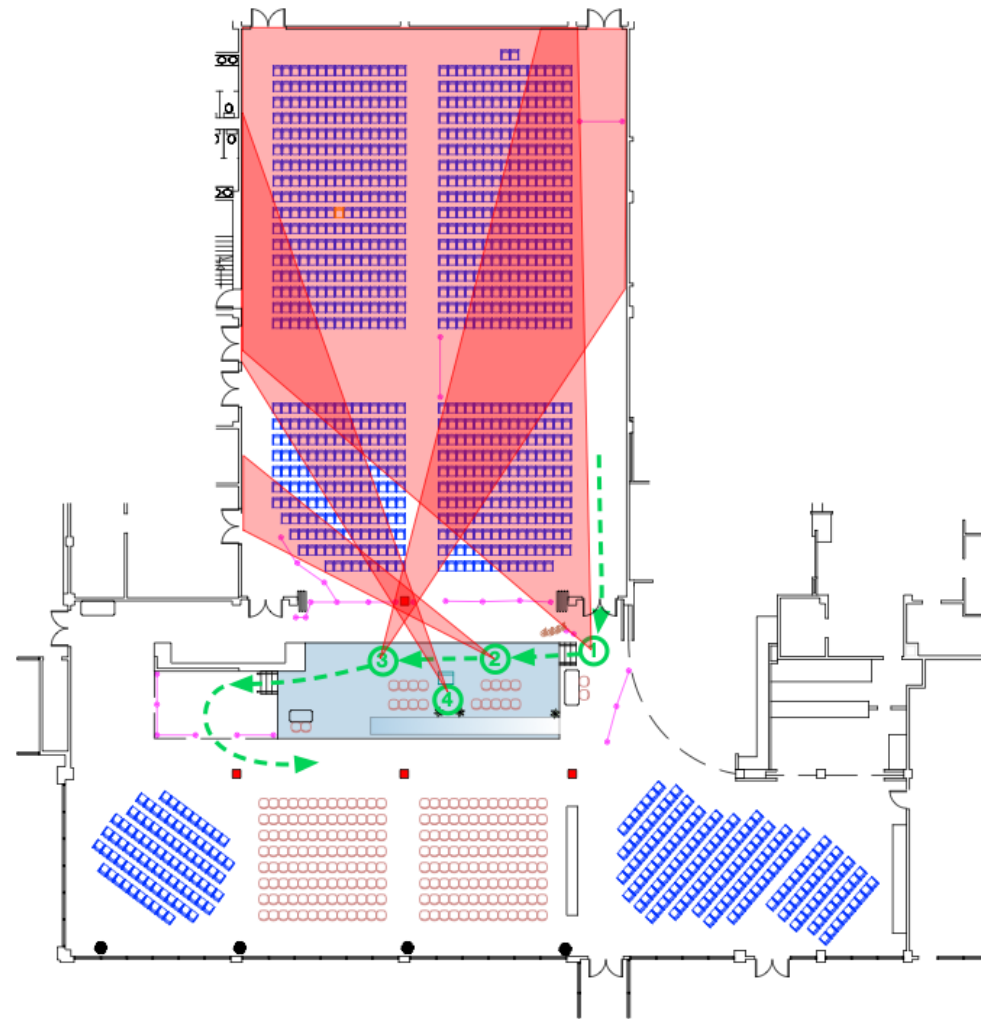
# THE VENUE



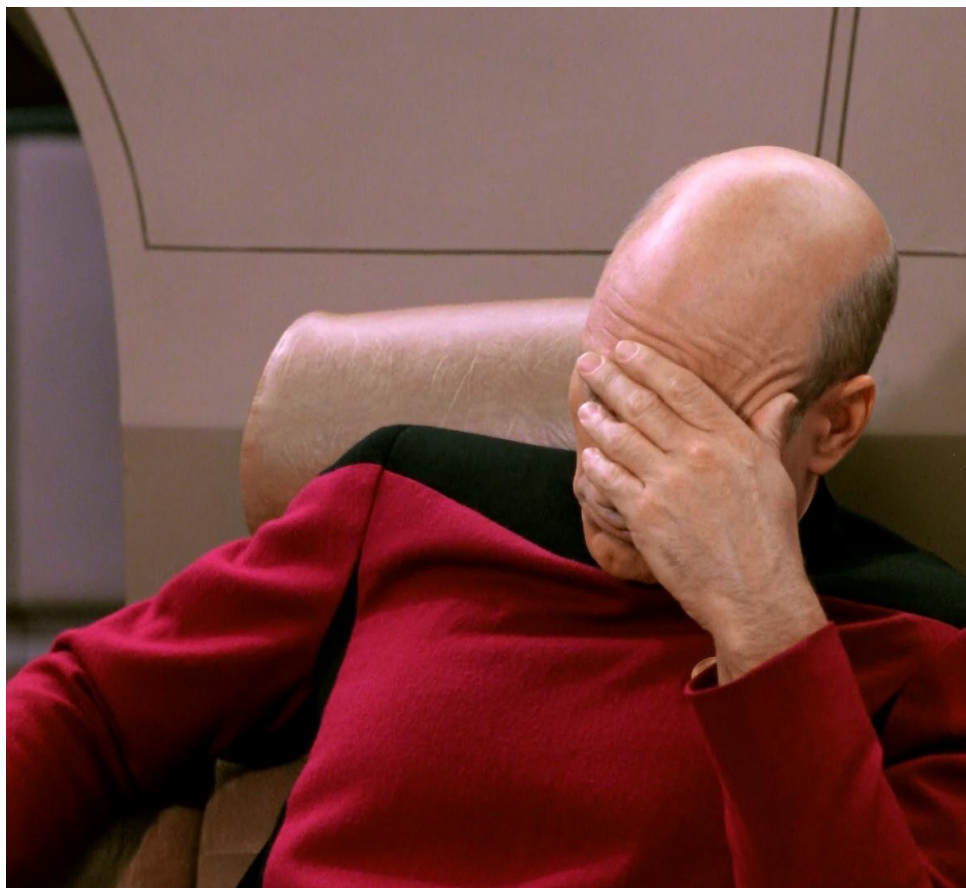
# THE VENUE



# THE VENUE









COMING UP WITH A HEALTHY IDEA



## MAJOR MILESTONES

2010



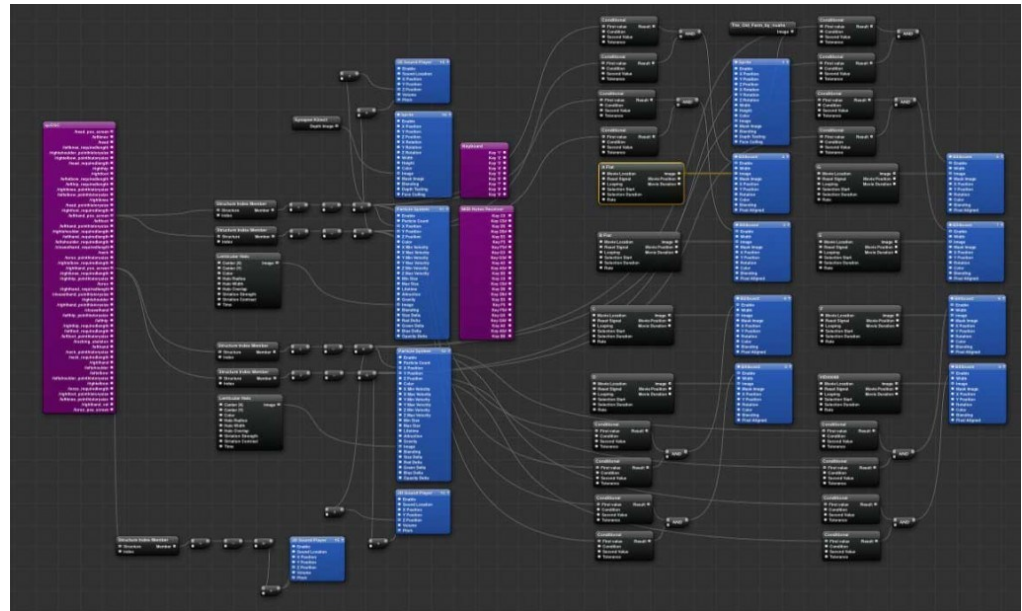
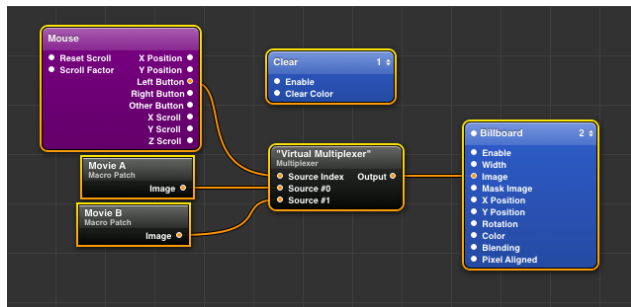
### Initial System

Live Stream system  
only  
Limited Graphics

# APPLE QUARTZ COMPOSER



# BUILDING COMPOSITIONS





BEING READY FOR THE OPPORTUNITY







Hello Chris,

March 22, 2011

I have been asked to contact you concerning the possibility of temporarily installing some large flat screen TV's in the Gym for our convocation ceremonies. Can you suggest a few times we might meet to discuss this and we will go from there?

Thanks.  
Jeff

BEING READY FOR THE OPPORTUNITY



# MAJOR MILESTONES

## First Graphics

14ft wide screen  
HD Camera  
Quartz Composer  
Name Key Each Students  
(2012)



2010

2011



## Initial System

Live Stream system  
only  
Limited Graphics

# ORIGINAL QUARTZ COMPOSER BASED SYSTEM



# MAJOR MILESTONES

## First Graphics

14ft wide screen  
HD Camera  
Quartz Composer  
Name Key Each Students  
(2012)



2010

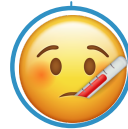
2011

2013



## Initial System

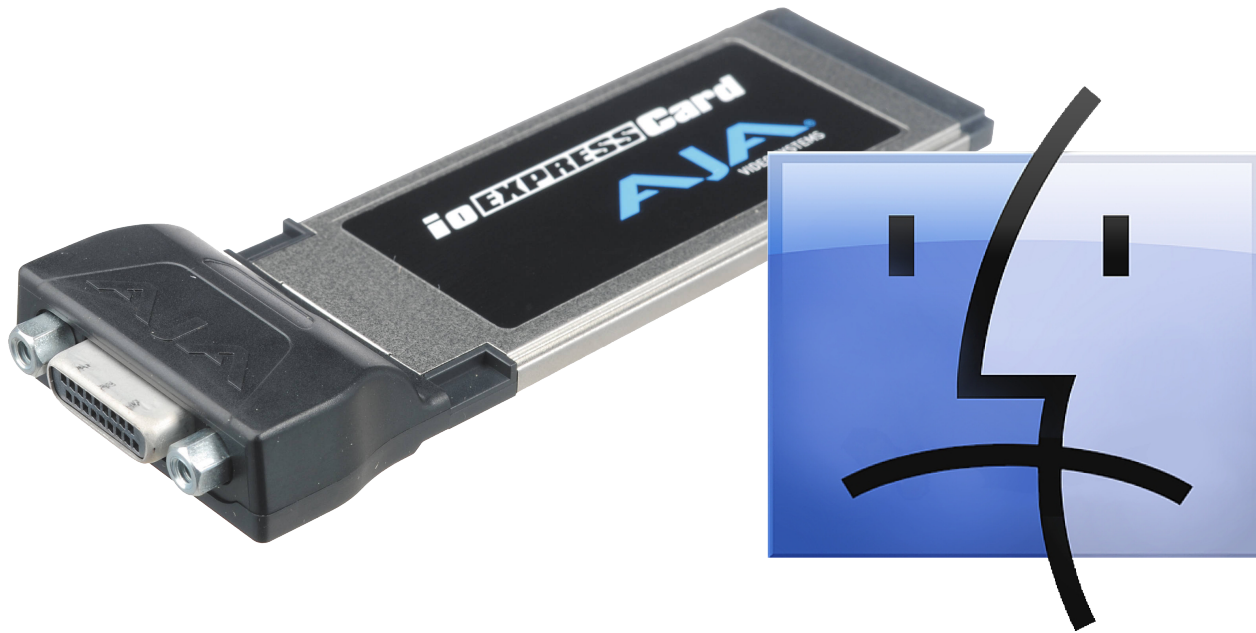
Live Stream system  
only  
Limited Graphics



## Hardware Failure

Problem with  
ExpressCard34  
Quartz Composer  
EOL???

## MACBOOK PRO EXPRESSCARD 34 PORT FAILURE



# MAJOR MILESTONES

## First Graphics

14ft wide screen  
HD Camera  
Quartz Composer  
Name Key Each Students  
(2012)



## New Stage Built

Major Dining Hall Reno  
Built-in Wiring  
New Projectors



2010

2011

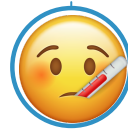
2013

2014



## Initial System

Live Stream system  
only  
Limited Graphics



## Hardware Failure

Problem with  
ExpressCard34  
Quartz Composer  
EOL???

## PERMANENT STAGE WITH BUILT-IN WIRING



## DUAL PROJECTORS (TWO 1920X1080)





# MAJOR MILESTONES

## First Graphics

14ft wide screen  
HD Camera  
Quartz Composer  
Name Key Each Students  
(2012)



## New Stage Built

Major Dining Hall Reno  
Built-in Wiring  
New Projectors



2010

2011

2013

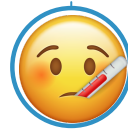
2014

2017



## Initial System

Live Stream system  
only  
Limited Graphics



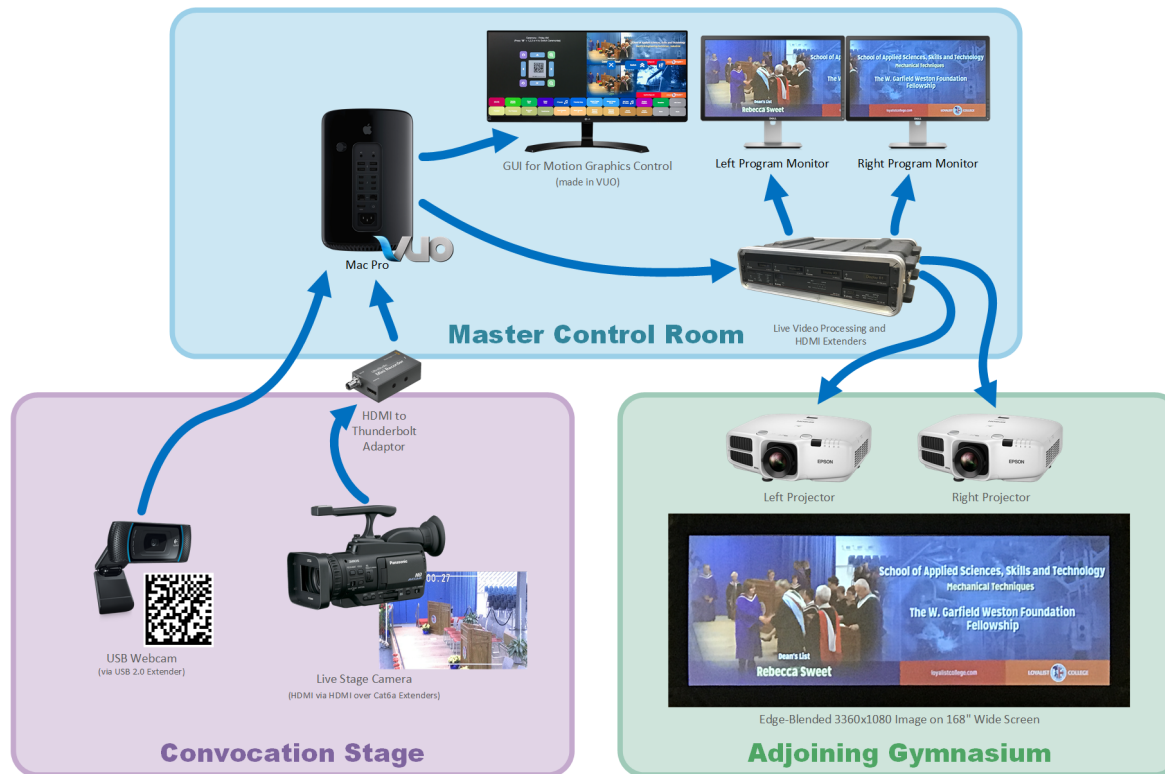
## Hardware Failure

Problem with  
ExpressCard34  
Quartz Composer  
EOL???



## System Redesign

Redesigned in Vuo  
New Dedicated Mac  
Pro  
Edge (3360x1080)  
Added Graphics  
Blending  
Awards



# NEW DESIGN

# CUSTOM GUI


Ceremony - Thursday AM  
(Press "⌘" + 1,2,3 or 4 to Switch Ceremonies)

↶

⬆

⌕

⬅



Travis


DO NOT Draw on this Code

➡

↷

⬇

🔍




Convocation Ceremony 2019

Program

✕

Switch ⬆

📺



Preview

[BLACK]

Opening Graphics

Please Rise!

Empty Stage

O'Canada 🎵

Friendship Song

Alumni Commitment Presenter

Alumni Commitment Words A

Alumni Commitment Words B

God Save the Queen 🎵

Student Graphics

Reception

President

Vice President

Governors Chair

Valedictorian

Guest Speaker A

Guest Speaker B

Honorary Diploma A Presenter

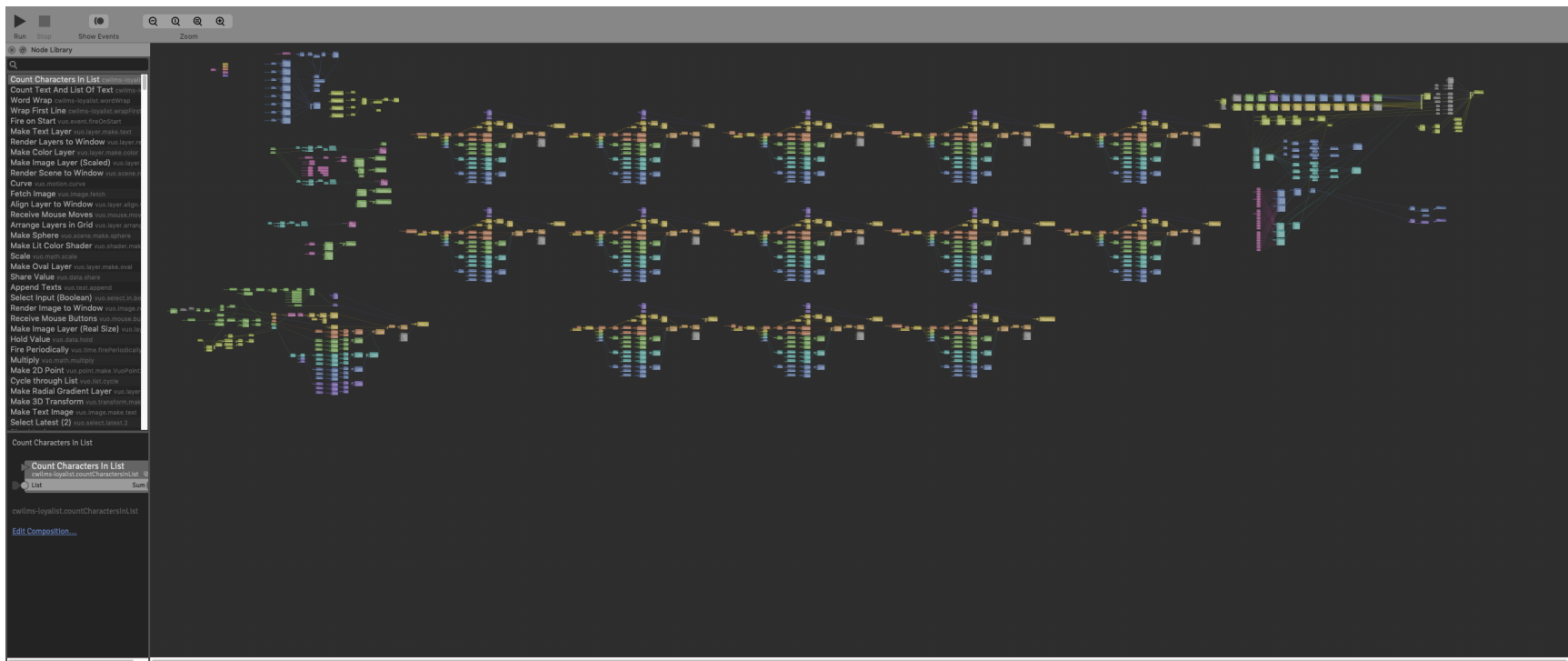
Honorary Diploma A Recipient

Honorary Diploma B Presenter

Honorary Diploma B Recipient

Award Presenter

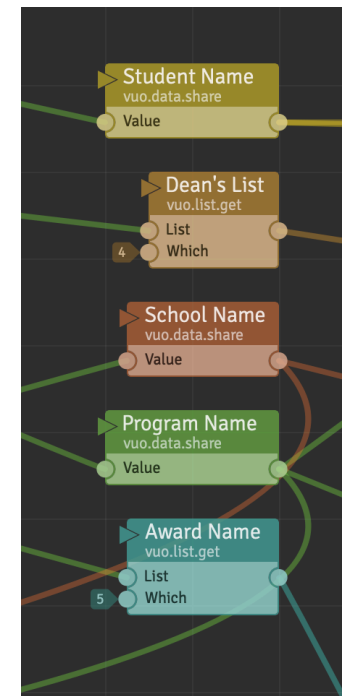
Award Recipient



# BARCODE PROCESSING



(FirstName)%(LastName)%(ProgramCode)%(Dean's List)%(Awards)



# MAJOR MILESTONES

## First Graphics

14ft wide screen  
HD Camera  
Quartz Composer  
Name Key Each Students  
(2012)



## New Stage Built

Major Dining Hall Reno  
Built-in Wiring  
New Projectors



## New Cameras

Stage Camera HDMI to SDI  
Barcode Webcam to SDI  
StageClip™ Integration



2010

2011

2013

2014

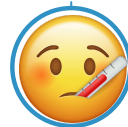
2017

2019



## Initial System

Live Stream system  
only  
Limited Graphics



## Hardware Failure

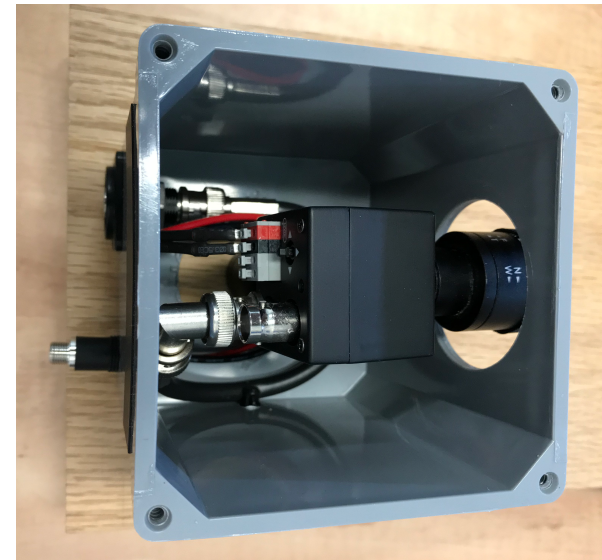
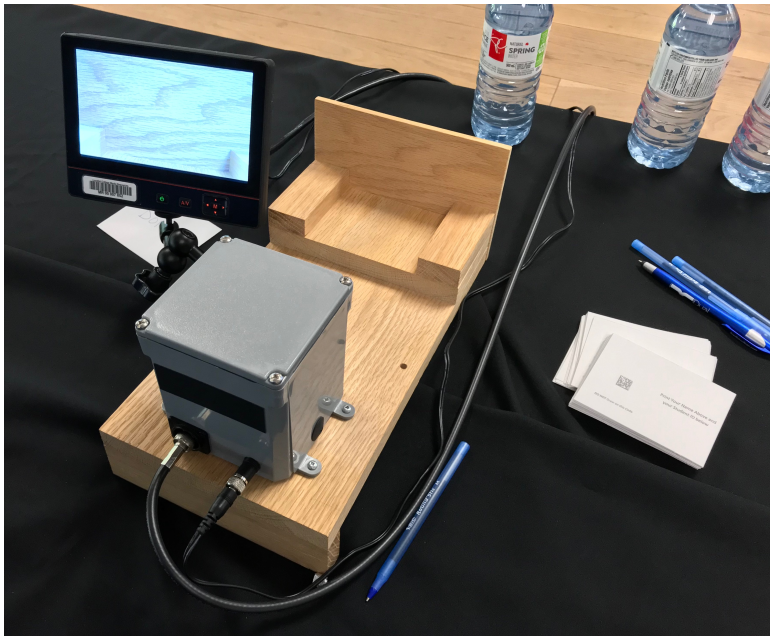
Problem with  
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EOL???



## System Redesign

Redesigned in Vuo  
New Dedicated Mac  
Pro  
Edge Blending  
Added Awards  
Graphics

## CARD READER – SDI CAMERA





## PTZ STAGE CAMERA





# WHAT NEXT?

2020...

## Streamline Design

Make it easier for  
others to add content  
Limited Graphics



## Improvements

Vuo 2.x (July 2019)  
Major Efficiency Improvements  
New UI Nodes  
Better Text Control and Formatting



## TriCaster Integration

Supply Graphics to Live Streaming System



## In House Automated Clip Creation

Automatically add Intro/Extro to Individual Student  
Clips  
Automatically Encode and Upload to Web



# THANK YOU

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