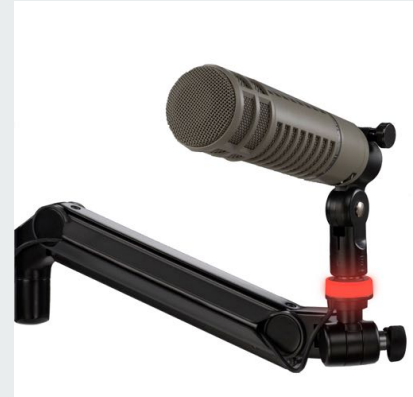




# KKFI Studio Improvements

Expanding our production and on-air capabilities + programmer training + enhancing the overall studio experience

Spring 2020



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## **Presentation Objective:**

**Review project need, scope, timeline and budget.**

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## Fundraising Background:

During our 2019 Year End fundraising campaign, over \$38K was raised (which contained a generous \$17,500 match) towards the buildout of a new KKFI Production Studio #2, plus other system and studio improvements

## Project Considerations:

- Three separate phases + additional recommended system upgrades
- Each phase needs to be completed before the next phase can begin
- Investing in gear that we can take with us vs. investing in building enhancements (walls, etc)

# All Phases and Upgrades

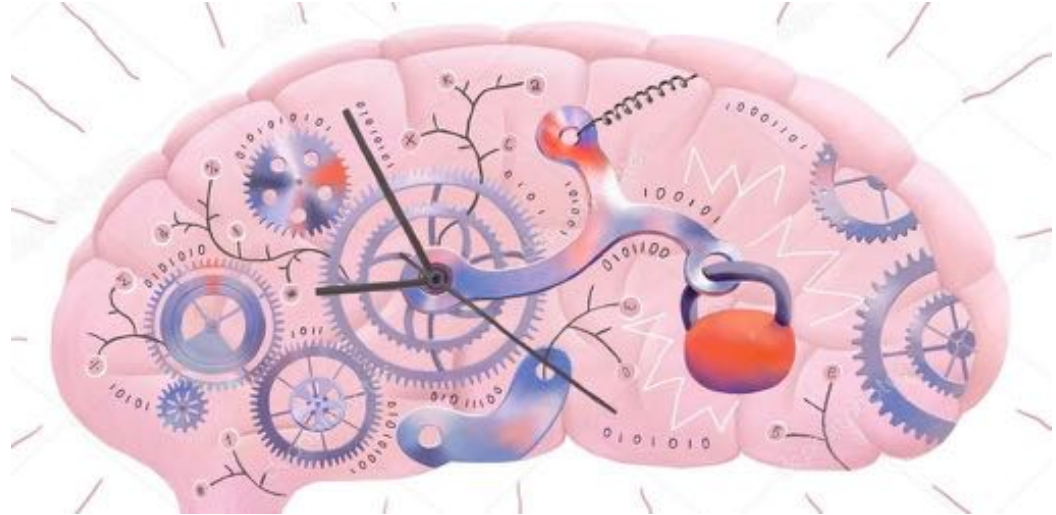


## Time Frame & Overview:

- Phase One Install Production Studio 2 - April 2020 thru September 2020 (6 months)
- Phase Two Upgrade Production Studio 1 - October 2020 thru March 2021 (6 months)
- Phase Three Upgrade On-Air Studio - April 2021 thru September 2021 (6 months)
- System Upgrades - May 2020 thru August 2020 (4 months)

Estimated completion date of entire project Fall 2021

# Information incoming!!!



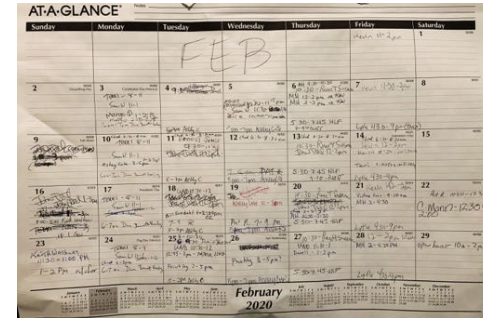
Hang in there. Write down questions.



# Phase One

## Challenge:

# Only one Production Studio at KKFI



**Production Studio 1 is often in use and reserved during peak times**

Limited in many people can use a studio and how much content can be created at KKFI

We would better serve our community and our mission to have more production studio space available to those that can utilize it



# Phase One

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## Solution:

# Build a new Production Studio 2



## New Production Studio 2:

Expand our capacity for more pre-recorded content and podcasting production

Better serve our community and our mission to have more production studio space available to those that can utilize it

Serve as a back-up to our current Production Studio, which will then undergo upgrades in Phase Two

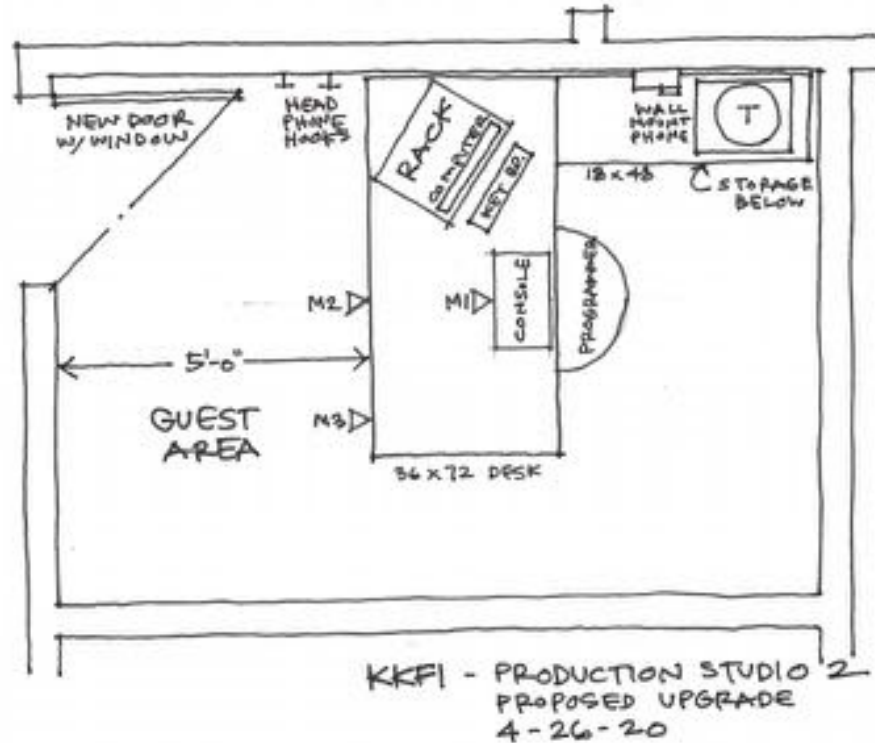
# Closet where Production Studio 2 will be built



# Phase One

# Production Studio 2 Layout

- 3 microphone setup
- New digital console designed for podcasting and production
- Recording to a computer equipped with Audacity
- Phone Interview capabilities
- CD Player, Turntable + Universal Input for music-related production



Estimated Completion Date: September 2020

# Phase One



## Production Studio 2

- New studio will be built in the closet room across the hall from current Production Studio (same size)
  - ◆ Room was originally designed to be a Production Studio (soundproofed, network accessibility, etc)
- 3 microphone setup with new, smaller digital studio console designed for production & podcasting
- Console will attach via USB to a computer for recording in Audacity
- Phone Interview capabilities + CD Player, Universal Input and Turntable for music programs
  - ◆ Duplicating functionality of current Production Studio #1
- Individual headphone volume controls
- Keycard door lock system for secure accessibility

**Estimated Completion Date: September 2020**

## Phase Two

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### Challenge:

**No back-up for On-Air Studio**

**Training opportunities in On-Air Studio**

### **On-Air Studio always in use**

We have no backup on-air studio in the event that there is a major equipment malfunction in On Air Studio

On-Air Studio is in need of layout upgrades and equipment needs to be serviced

Window of time to service equipment and work on studio layout is limited because Studio is constantly in use as the only on-air studio at KKFI

On-Air Studio could be used for more larger training groups if it weren't always in use as the primary on-air studio

## On-Air Studio in action



## Phase Two

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### Solution:

**Upgrade current  
Production Studio 1  
to also serve as  
secondary On-Air  
Studio**

#### **Production Studio 1 Upgrades:**

Install on-air “Takeover Switch” in both  
Production Studio 1 & On-Air Studio

Broadcast live on-air from Prod Studio 1  
while working on improvements for On-Air  
Studio (see Phase Three)

Continue to produce pre-recorded content  
out of this studio

Create consistent training opportunities  
with matching equipment between both  
studios

**Phase Two**

**Production Studio 1**





# Phase Two



## Production Studio 1

- Convert Production Studio 1 to also serve as a secondary on-air studio and backup when current On-Air Studio is being upgraded in Phase Three
- Add a “Takeover Switch” in both Prod Studio 1 and On-Air Studio that will allow switching of on-air broadcast between the two rooms
- Install soundproof window between Prod Studio 1 and On-Air Studio to facilitate visual transitions
- Replace current rack with smaller unit and adjust layout to optimize work space
- Enclose production hallway with wall and doorway to better soundproof studios

**Estimated Completion Date: March 2021**

## Phase Two

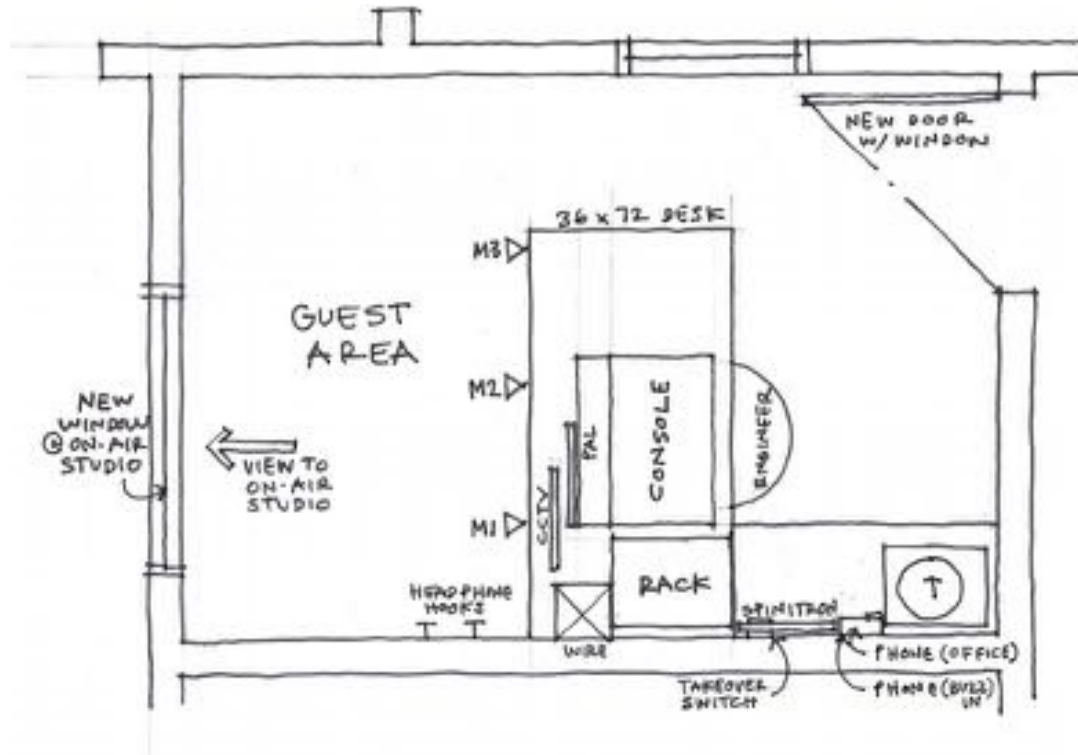


# Production Studio 1 (continued)

- Add a 3rd microphone to expand interviewing capabilities
- Add individual headphone amplifiers / volume control for each microphone guest spot
- Upgrade to new Telos Hx2 Dual Digital Hybrid 2-caller interview system
- Upgrade and add three CD players to match models currently in On-Air Studio
- Move SAGE Endec EAS System into PAL Room
  - ◆ Develop procedures for performing regular EAS tests remotely via our network browser portal
- Add monitor & mouse to control PAL system from this studio

**Estimated Completion Date: March 2021**

# Phase Two Production Studio 1 Layout



KKFI - PRODUCTION STUDIO  
PROPOSED UPGRADE  
4-26-20

## Phase Three

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### Challenge:

**On-Air Studio  
layout is not  
optimal**

### **On-Air Studio layout needs improvement**

Visibility between host and guests is limited because of large rack in central location of studio

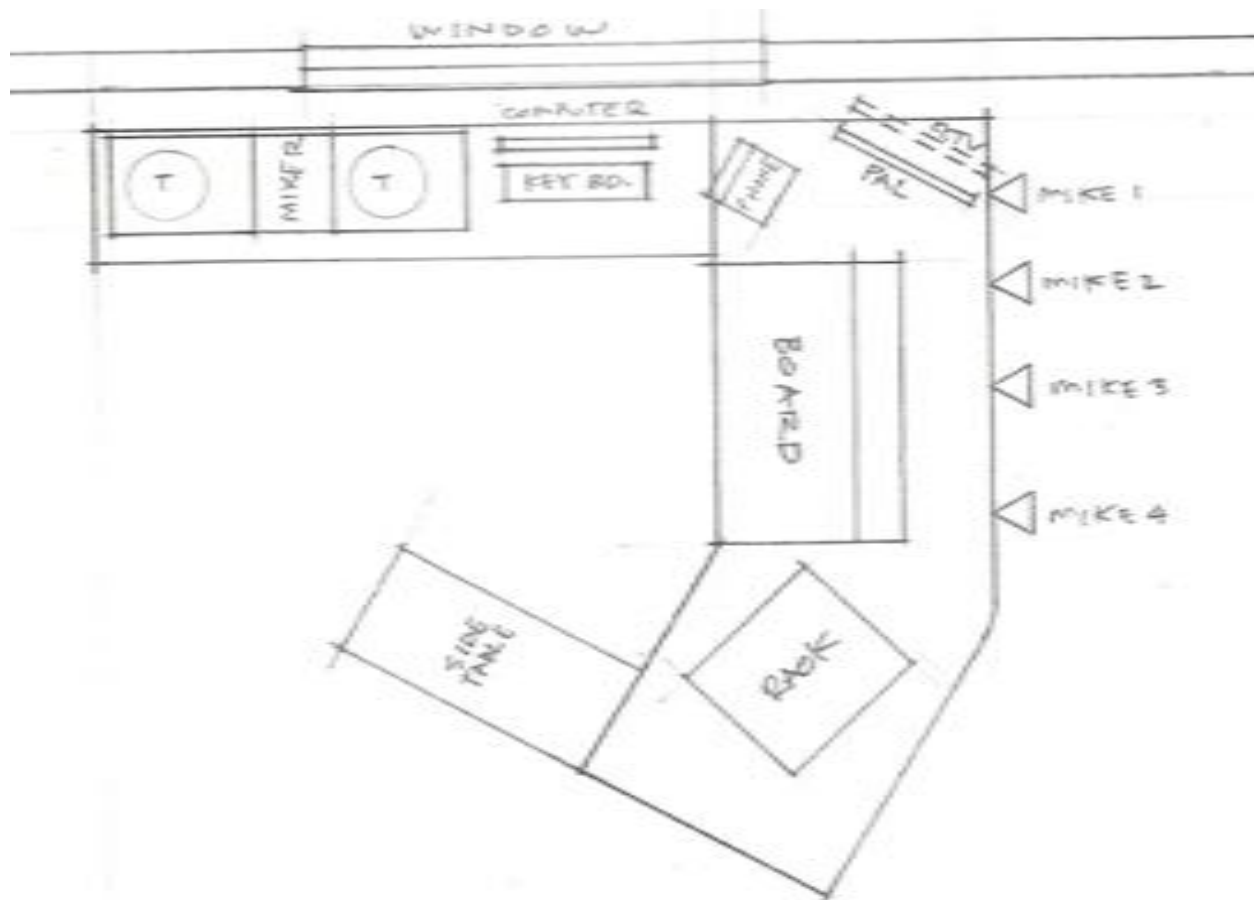
Guest workspace is limited

Difficult for guests to easily control headphone setup and volume control

# On-Air Studio Current Layout



# On-Air Studio Current Layout



## Phase Three

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### Solution:

**Adjust position of console table and large rack unit to open layout for programmers and guests**

### On Air Studio Upgrades:

Move console desk out 2' from wall

Add space near wall to move large rack unit on left side of console

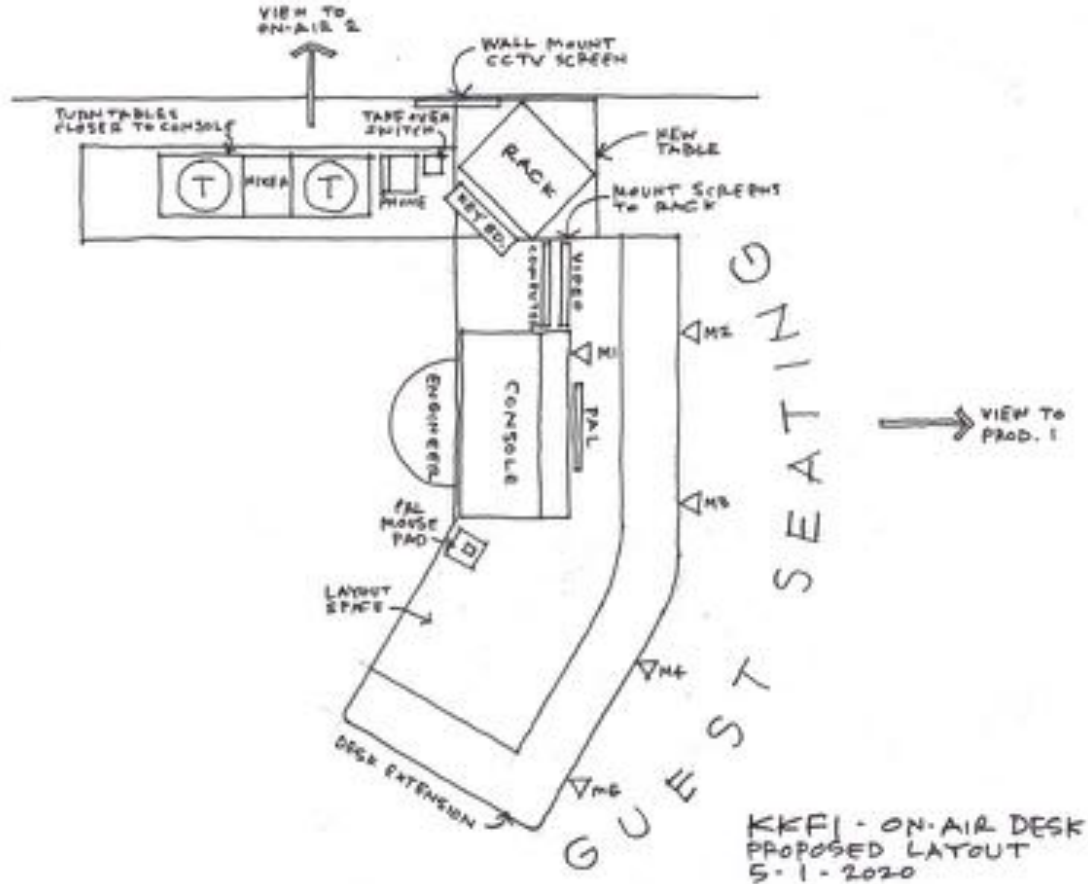
Increase available workspace and visibility between board operators and guests

Extend surface area of console desk

Add 4th guest microphone and individual headphone amps for volume control

# Phase Three

# On-Air Studio Proposed Layout



Estimated Completion Date: September 2021



# Phase Three



## On-Air Studio

- Move console table out roughly 2 ft from current position
- Move rack case to side (against wall) and open up the layout of the room
  - ◆ Better vantage point between board operator and guests
- Add screen mounting positions near back of console for more ergonomic workspace layout
- Add 4th guest microphone
- Add 4 Individual Headphone Amplifiers for guests to independently control volume

**Estimated Completion Date: September 2021**

## Phase Three



# On-Air Studio (continued)

- Build extension on desk to expand guest workspace
- Imbed headphone controls in expanded workspace on desk
- Upgraded microphone booms
- Camera Package for “Going Live” in studio and broadcasting live events
- Add a keyboard to PAL computer
- Upgrade lighting options

**Estimated Completion Date: September 2021**

# Systems Upgrades

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## Challenge:

**iMediaTouch software is over 10 years old**

**Traffic Log currently printed and loaded manually into PAL**

## **iMediaTouch Software has issues**

Current iMediaTouch software package installed 2013, released 2009

Software is glitchy

Manually entering log is time-consuming and leaves room for error

No way to listen to our extensive audio file database remotely

# System Upgrades

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## Solution

### Upgrade:

- iMediaTouch
- LogTools
- Logger

### Features of upgrade:

Better functionality and dependability

Automatically populate pre-recorded spots

Listen to any KKFI audio files remotely

Upload audio files remotely

Ability to access the PAL screen remotely

Track user-level activity and errors

Logger portal will run smoothly

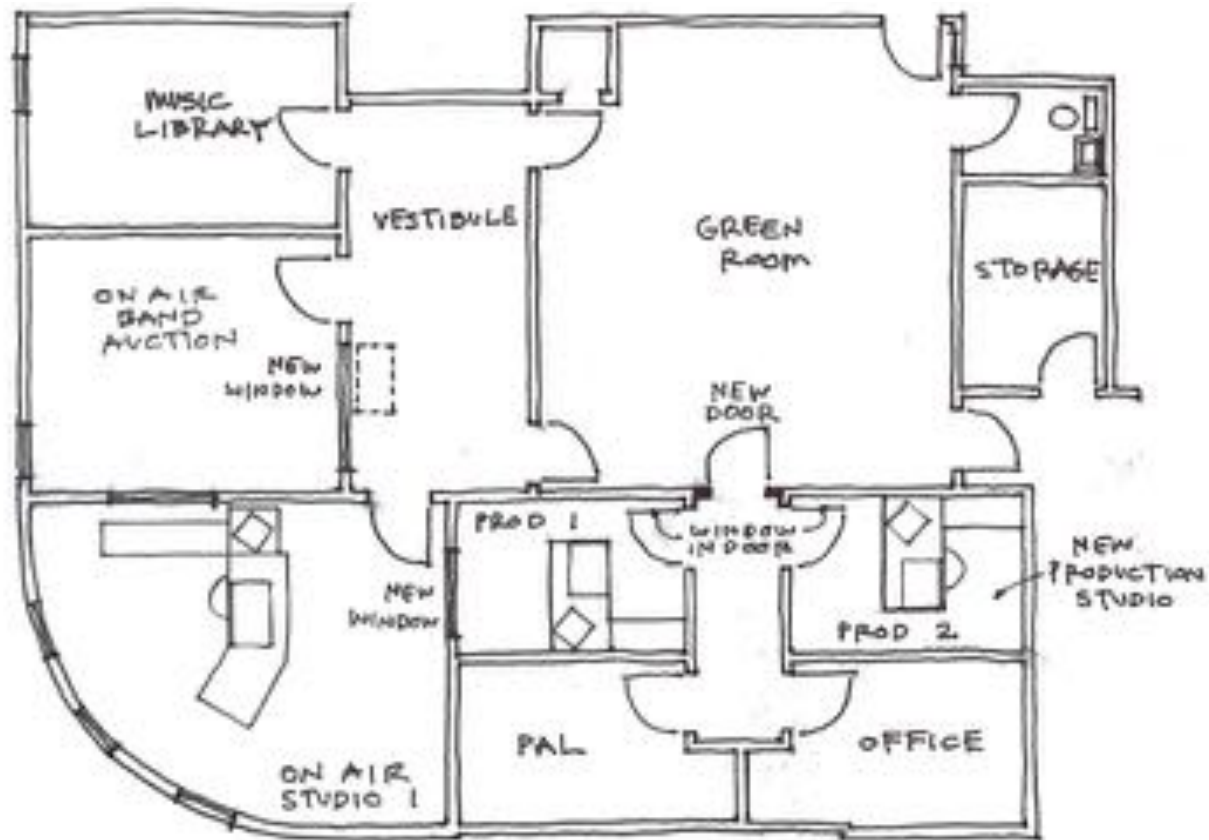
# Additional Optional Upgrades



## Band Auction Setup

- Open up vestibule room by removing partition
- Install larger window between vestibule room and band auction room for better functionality with mixing live acts during band auction and other live performances
- Install a permanent structure to securely house soundboard
  - ◆ Reduce setup for band auctions + always have live band setup in place for live performances

# Final Layout



KKF1 PRODUCTION STUDIOS  
PROPOSED UPGRADES  
2-26-20

# All Phases and Upgrades



## Project Time Frame:

- Phase One **April 2020 thru September 2020**
- Phase Two **October 2020 thru March 2021**
- Phase Three **April 2021 thru September 2021**
- System Upgrades **May 2020 thru August 2020**

**Estimated completion date of total project Fall 2021**

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**Let's get to upgrading  
KKFI 90.1 FM**