



# Proposed Studio Plan

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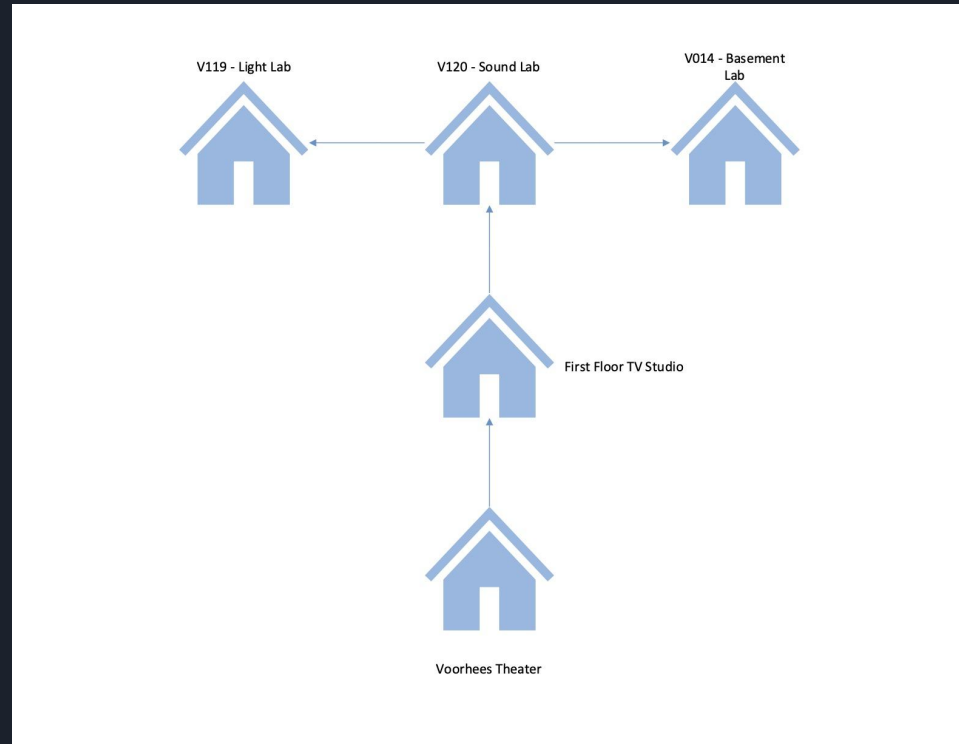


# Purpose

Create connection systems and provide at least the following remote connections, most likely via fiber optic connections:

- High quality video from cameras in the theater (number and resolution to be determined) Tally lights?
- High quality audio from the systems in the theater (details to be determined)
- High quality audio from the control room to the theater for director talk back and playback
- Remote lighting control from the light lab to the theater
- Intercom from all three areas
- Other systems as needed

# Diagrams



# Pricing

Quantity	Material	Unit Cost	Extended Cost
1	Midas M32 LIVE 40-channel Digital Mixer	\$3,699.00	\$3,699.00
2	JBL PRX One Powered Column PA Speaker	\$1,599.00	\$3,198.00
2	Clear-Com DX410 Digital Wireless Intercom	\$10,980.00	\$21,960.00
2	NewTek Tricaster 2 Elite	\$27,995.00	\$55,990.00
6	JVC GY-HM250 UHD 4K Streaming Camcorder	\$1,745.00	\$10,470.00
2	grandMA3 (Full size)	106,110	\$212,220.00
2	grandMA3 (Light)	\$80,640.00	\$161,280.00
1	vMix Software License	\$700.00	\$700.00
4	AJA FiDO Quad-Channel 3G-SDI to ST Fiber Mini Converter	\$1,699.00	\$6,796.00
4	Raspberry Pi Zero 2 W	\$15.00	\$60.00
2	Fiber Optic Cable: 1 Gb/s @ 550m or Less @ 1300nm/1 Gb/s @ 300m or Less @ 850nm (1000-ft.)	\$1,032.97	\$2,065.94
		Subtotal	\$478,438.94
		5% Incidental Fee	\$23,921.95
		9% State Tax	\$43,059.50
		Total	\$545,420.39



# Complications

- Money? For this department? It's less likely than you think
- Devices becoming obsolete
- Mentally feeling unprepared but glad to have been involved
- Block Diagrams!



# Acknowledgements

- John Huntington, advisor
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- Friends and Family