

CAPITAL ONE  
**HALL**

TECHNICAL  
SPECIFICATIONS



COMING 2021



## seating for 1,600

### MAIN STAGE

- Proscenium width: 55' with adjustable portal legs
- Proscenium height: 31' 6" with an adjustable portal header
- Stage depth at centerline: 40' 6"
- Wings width: 105' 3"
- Grid height: 61' 2"
- Stagehouse rigging steel height: 67' 8"
- Height to forestage grid: 43' 5"

### RIGGING

- Manual Counterweight Rigging System
- 54 Line Sets
- Batten low trim: 4' above stage floor
- Batten high trim: 57'-6" above stage floor
- Arbor capacity: 1825 lbs. including pipe weight
- All battens are 1½" OD schedule 40 ladder batten— 59'
- Six 1/4 inch 7x19strand lift lines per batten; lift lines on 11' centers
- House Main Curtain on dedicated motorized lineset—guillotine operation
- Four hoists in house for forestage points

### LIGHTING CONTROL & DIMMING

- ETC Power Control System with
- 480 – 20A, 120V Bypass Circuits (Switchable dimmer/relay)
- 96 – 20A, 208V Relay Circuits
- Integrated House, Work, Run Lighting
- ETC Eos Ti - 24,000 outputs DMX

### PERFORMANCE SOUND, VIDEO & COMMUNICATIONS SYSTEMS

High-fidelity, concert/touring-grade, live performance sound system including main left, center and right d&b audioteknik loudspeaker arrays, cardioid/ high-power subwoofers, fills, processing and high-power amplification. The loudspeaker system also includes integrated surround & effects loudspeakers for each seating level. The main loudspeaker system is controlled by R1 control software and includes switchable d&b 'Array Processing' to equalize levels and frequency response throughout all seating areas.

Matching d&b audioteknik stage monitor system, complete with high-power side-fills, subwoofers and multiple monitor mixes.

Dual, large-format 96Khz professional mixing consoles for front-of-house and monitors. Multiple console interface units are integrated to deliver digital 96kHz system drive to the house loudspeaker processor/amplifiers to provide maximum fidelity, eliminating additional analog/digital conversions. 96k Multi-track audio recording for live concerts and broadcast events is also provided in-house.

Professional wired and wireless microphone packages with handheld and bodypack transmitters are provided, as well as a complete assortment of handheld microphone capsules, hi-fidelity lavaliers and head-worn microphones and accessories.

Wired & Wireless Production Intercom System.

Extensive integrated cabling & connectivity backbone throughout the facility with multiple connection panels for AES/analog audio, loudspeakers, 12G/UHD video, production intercom, rack to rack tie-lines, 10G data, SMPTE fiber, etc. The connectivity also extends to a dedicated loading dock panel that includes multiple audio, video, fiber and data tie-lines. Additional theater connectivity is provided to the Green Room for events when this area is desired for production use during special events.

Distributed sound & video theater program is delivered to back-of-house dressing rooms, production offices and corridors. Distributed program is also delivered to the main public areas.

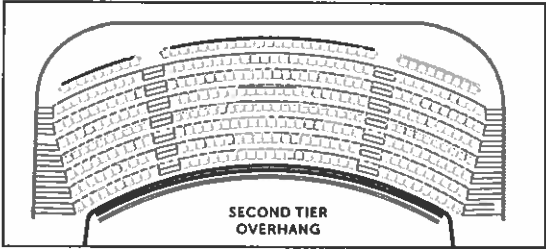
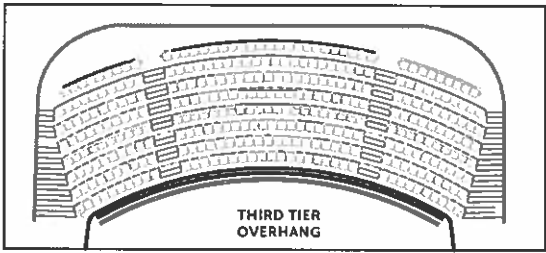
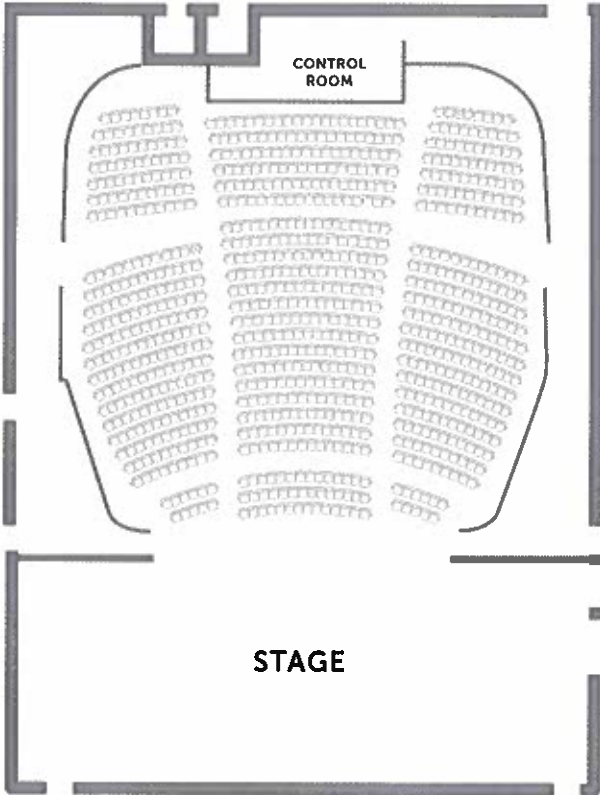
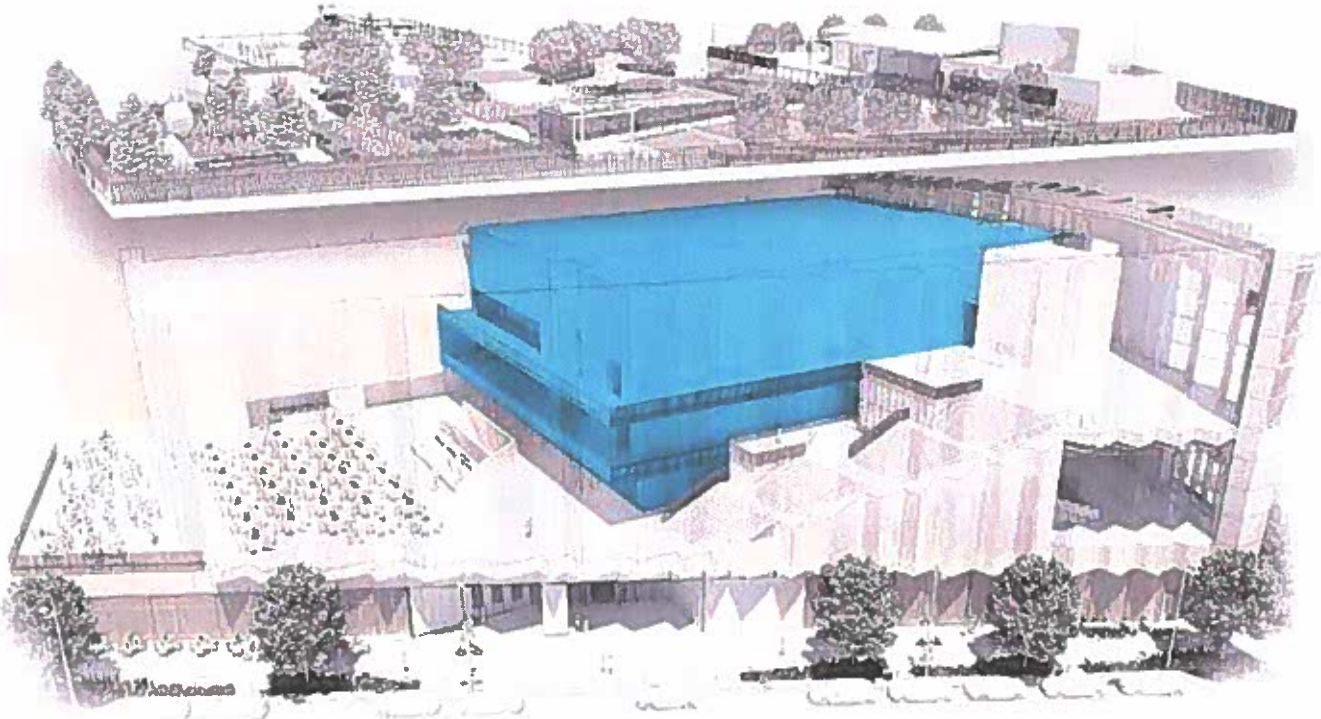
Active Acoustic Enhancement System utilizing dedicated overhead loudspeakers and the Surround/Effects loudspeaker system.

Portable 4K venue video projection system with event switching and scaling. Portable projection screens enable specific setups per event.

Multiple installed pan/tilt/zoom cameras and SS recorders for event archival and video production use.

Assistive listening system for the hearing-impaired.





## seating for 250

### THE VAULT THEATER

- Telescopic seating for 225 people
- Pipe Grid
- Upstage traveler curtain that provides blackout as well as a backdrop for the stage.

### LIGHTING

- 192 20A, 120V Bypass Circuits (Switchable dimmer/relay) stage lighting circuits distributed throughout the space.
- Ion XE 20 Stage lighting console

### SOUND

- Installed loudspeaker system for front and side stage positions as well as effects and surround loudspeakers above.
- Microphones, playback and recording receptacles and hardware.
- Midas Digital Mixing Console

### SOUND, VIDEO & COMMUNICATION SYSTEMS

Integrated Sound Video & Communications systems with high-quality components. The sound system includes a permanent Control Room sound mix position with remote iPad mixing. The Vault theater contains a system of custom combination connection panels and cabling. Connectivity around the perimeter of the theater along with multiple connection panels in the grid allow for flexible sound and video production elements.

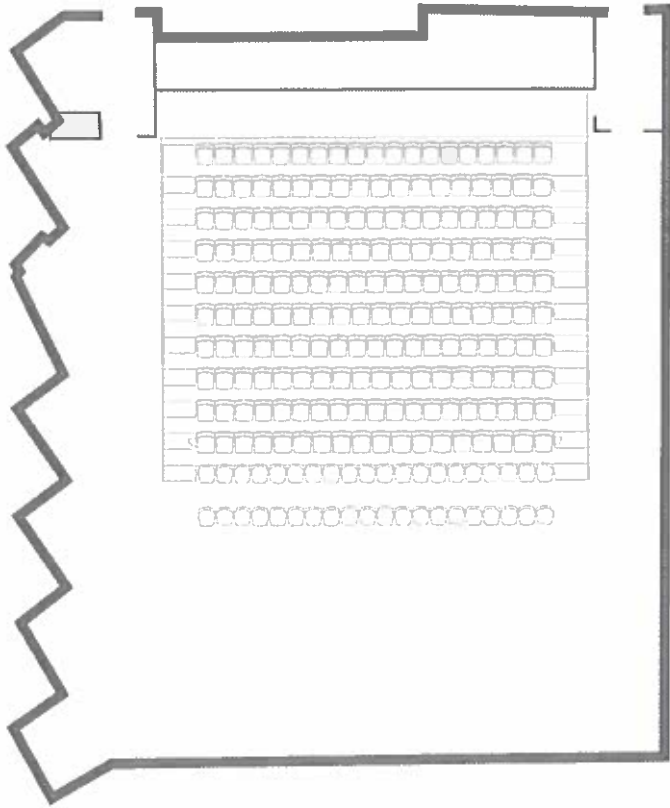
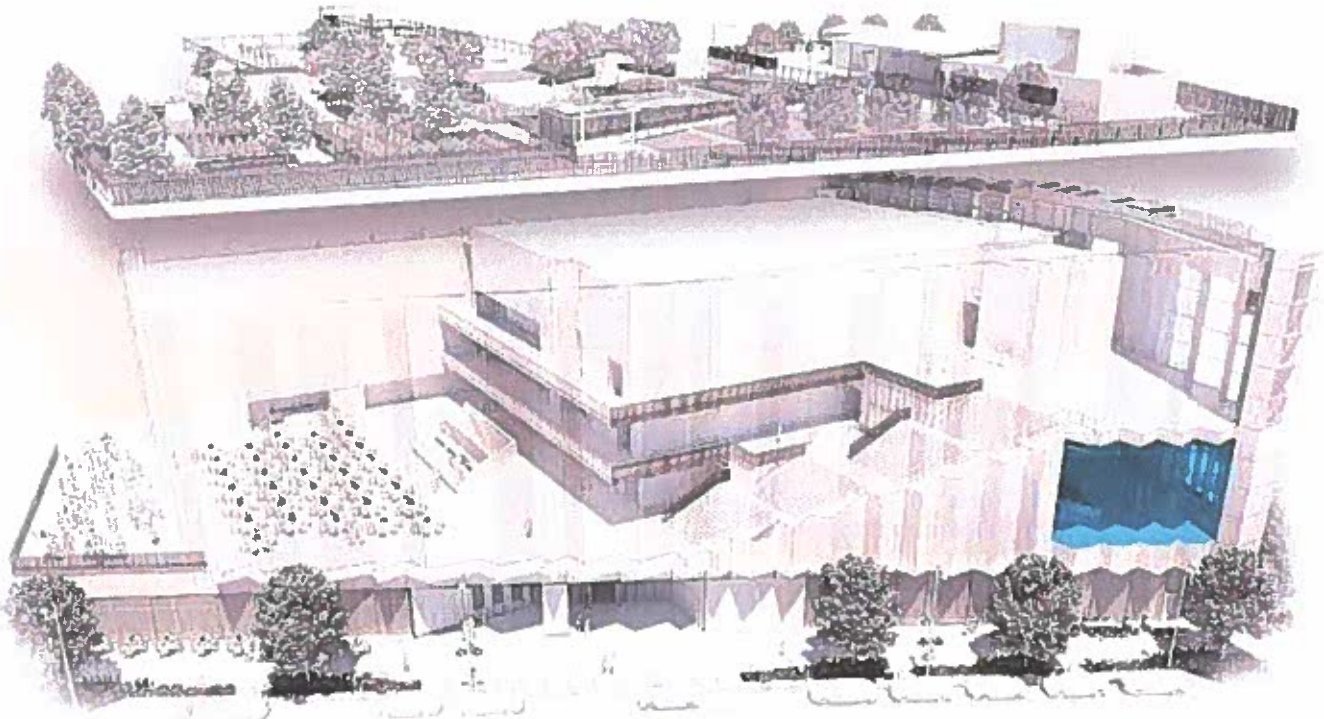
Dedicated portable projection system, with different sizes of fast-fold type screens to accommodate various production use. The projector will be similar to the projectors available in the portable equipment package and be mounted via The Vault theater pipe grid.

A dedicated production intercom system is also provided with the ability to link with the Main Theater for facility-wide events.

A dedicated microphone package with wired and wireless microphone systems is included, along with stands, cable and direct box interfaces. A portable loudspeaker assortment includes various system components and various rigging hardware for suspension. High-power point-source loudspeakers, subwoofers and fill/effects speakers provide hi-quality sound for all events.

SVC Isolated-ground Power independent from the Main Theater and general building power. The Vault theater SVC power system includes a dedicated isolation transformer and AV sub-panel.

Using similar equipment to the Main Theater, integrated cameras and recorders enable event archival and high-resolution recording of The Vault theater events. Sound & Video is distributed to The Vault theater lobby PGM monitor and ceiling loudspeakers.



### DUAL CLASSROOM AV SYSTEMS

Classrooms are configured with simple self-contained AV Systems. Large-format UHD TVs are integrated in each space, supported by a local wall plate input panel for various sources. Distributed sound is supplied by recessed ceiling loudspeakers in each classroom. Subcompact amplifiers drive the loudspeakers, driven from the internal UHD TV variable line outputs.

