



# Theater Technical Specifications

## General Information:

- **Student Unions & Activities Audio/Visual Manager:** Joe Thoen, (612) 625-1966
- **Coffman Memorial Union Event Coordinator:** Sarah Fastner, (612) 624-4738
- **Overall Capacity (fire code):** 402 (plus 4 wheelchair spaces)

Located on the first floor, the state-of-the-art theater is truly one of Coffman's new gems. The Theater has the capabilities for events such as film, theatrical performances, panel discussions, and lectures.

## Theater dimensions:

Stage: 40'w x 20'd

Stage Height: 1 ½'

Crossover space behind screen: 4 ½'

Light bar height from stage floor: 20'

Distance from FOH lighting positions to front of stage: 38'

Distance from tech booth to front of stage: 38'

Area offstage right: 7' x 18'

There is no fly space in the Theater. Stage is air thrust with pneumatic pad construction. Stage screws or nails are not permitted in the stage floor. Props and banners may only be hung with the assistance of CMU staff.

## Drapery:

The Theater comes equipped with a rear black curtain and one set of legs. The 14' x 33' permanent screen behind the rear curtain may be used as a cyclorama.

## Lighting:

Dimming: Six – IPS 6 x 1.2k dimmer strips for a total of 36 dimmers

Locations: Six – FOH via catwalk located above tech booth 38' from the edge of the stage, 12 – over front of stage bar, six – over mid-stage bar, six – over upstage bar, six – high stage left, six – high stage right. We have portable boom stands for one row of limited side lighting.

Control: ETC Express 24/48 usually set to 48 channel single scene operation.

Instruments and Accessories: 20 - 36° ETC Source ellipsoidals, 10 - 26° ETC Source 4 ellipsoidals, 20 – ETC PARNels, 2 – PowerScan 250MR moving lights, two rows of strip lights (the cyc is lit from overhead via upstage blue, red, and amber strips), and a Strong Trouperette follow spot located on the catwalk.

Some standard gel and patterns are stocked. The Theater has a standard repertory plot that includes area lighting, selected specials, color washes, basic sides, and some back lighting. Changes to this plot are difficult to make and are strongly discouraged. Please contact us if you intend to make changes or additions to our rep plot. Refocusing and hanging must be performed by CMU staff.

## **Audio System:**

The Theater is equipped with a stereo audio system for live recorded audio reinforcement and a 5.1 surround setup for movie sound.

We are using a 32-channel 324Live Soundcraft Digital Mixing console for live sound mixing. The stereo house sound is powered by Crown K-Series amplifiers driving JBL loudspeakers (VS2110s and SP128Ss). Equalization is achieved via a BSS SoundWeb DSP and Klark Teknik 1/3 octave EQs. Compression is available via an insertable DBX 1046 compressor/limiter. Reverbs and delays are available through two channels of Lexicon effects in the Soundcraft board. Coffman has a two-channel monitor system using Crown K-Series amps, a BSS 1/2 octave EQ, DBX compression, and a total of four Electro Voice QRx115/75 enclosures. We can record and play CDs and cassette tapes from the booth.

The 5.1 surround system uses a Theater Grand III Sunfire surround processor and utilizes JBL TLA4431 center channel speaker and four JBL MS26 rear fill speakers along with the stereo house speakers, Crown amplification, and BSS DSP.

There are five floor boxes located at the perimeter of the stage and immediately stage left and right that contain a total of 25 microphone sends and four return channels.

Sennheiser assisted listening devices are available for the hard of hearing.

Extra audio equipment: We have a standard complement of dynamic and condenser microphones (Shure SM57s, 58s, 81s, and 87s, Audix D2 and D4, EV 868, etc.), boom and straight stands, passive and active direct boxes, cables, and music stands. Please call for more details on specific makes and models of amplifiers, effects processors, speaker enclosures, EQs, and DSPs.

## **Power Distribution:**

120c AC power is distributed along the front of the stage and immediately stage right and left.

## **Projection:**

The Theater is equipped with a Panasonic PTD-5500U video projector. We show DVDs, VHS tapes, television broadcasts, content from a document camera, and presentations from laptop computers. There is a 14' x 33' perf screen located behind the rear curtain. Projected 4:3 ratio image size is 14' x 18'8". 16:9 ratio image size is 12'8" x 22'6". Additionally Coffman has a Prevost 16mm film projector located in the booth, as well as a dual 35mm slide projector.

## **Dressing Room:**

There are two semi-private dressing rooms located back stage. They come equipped with mirrors, lights, a clothes hanging bar, and access to a unisex bathroom. There is also a green room located back stage equipped with a sink, telephone, and refrigerator.

## **Load-in:**

Load in angles are prohibitive for lengthy pieces. Loading in and out of the Theater is most easily accomplished from Delaware Avenue via the East Loading Dock or the first floor terrace.

## **Ancillary Building Equipment:**

The following equipment is available for use: a floor lectern, a 6' Steinway Concert Piano (permanently stored on stage), a variety of stools and armless chairs, Ethernet access in booth or stage, an outside telephone line located in the green room, and a disco ball.

We do not have facilities for the construction of set pieces. All set pieces must be built and painted off-site and assembled in-house. Please contact us if you intend to store anything overnight.

All equipment is provided subject to availability. Access to the tech booth (for lighting control, audio control, and most video projection) is only available when a CMU technician has been hired for the event. Technicians may limit the amount of people in the tech booth. Persons accessing the balcony for follow spot operation must sign a liability waiver form.

Go <http://www.sua.umn.edu/reservations/> for more information on rates, parking, hours of operation, set-up diagrams, and a complete list of reservable spaces.