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Reva and David Logan Center for the Arts

Screening Room

Technical Brochure



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SCREENING ROOM

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SCREENING ROOM

GENERAL INFORMATION

SPACE AND LAYOUT

The Screening Room/Room 201 is located on the second floor of the Logan Center with nearest elevator access from the north side of the building. House seating is fixed, and raked to allow for optimal viewing. Maximum seating capacity is 129. The stage area is roughly 34' wide by 6' deep.

The projection booth is operated exclusively by the University of Chicago's Film Studies Center. External operators are not allowed.

ACOUSTIC TREATMENT

The Screening Room is acoustically treated to minimize reverberation and room reflections, making the space acoustically 'dead'. The reverberation time is under 0.5 seconds across all frequencies with no noticeable reflections from any surfaces.

BANNED MATERIALS

We do not allow food, beverages (water ok), glitter, oil, paint, confetti, or open flames in the Screening Room.

Use of strobes, lasers, or atmospheric effects must be approved at least two weeks in advance for adequate public warning.

ACCESSIBILITY

There are two ADA-compliant seating spaces located in the house seating area and ADA access to the stage.

HEARING ASSIST

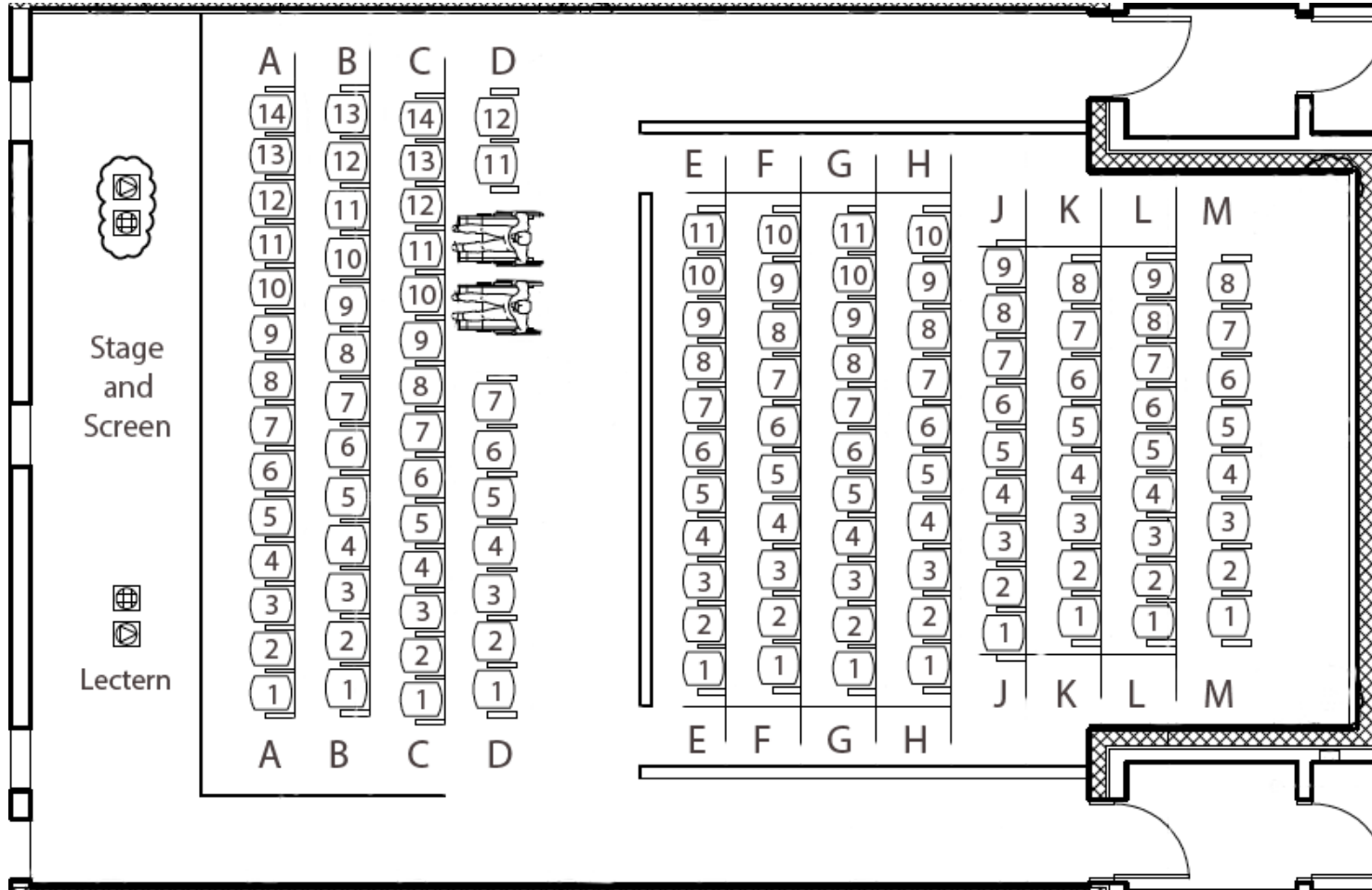
The Logan Center Screening Room is equipped with "Listen" assistive listening devices. These devices receive a direct feed from all sources of audio content, including the installed hanging house microphones.

Assistive listening devices are available at every public performance and can be requested from the Logan Center's box office or front of house manager.

COMMUNICATION

There is one-channel of Clear-Com installed in the Screening Room, allowing for communication between the stage, the entrance vestibule, and the projection booth on the third floor.

Each of the three locations has a Clear-Com wall panel with speaker and microphone. There is no capability to use Clear-Com headsets or other devices with this system.





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PROJECTION

DIGITAL PROJECTION SYSTEM

The Screening Room is equipped with a cinema-quality DCI-compliant digital projection system based around a NEC NC3240S digital cinema projector. The digital projection system supports all major formats up to 4K with both 2D and 3D content, and all major digital audio standards up to 7.1.

Acceptable Formats:

DVD, Blu-ray, HDCAM, Digi-Beta, 2K and 4K DCP, 2K and 4K 3D DCP. Other formats can be accommodated upon request.

A laptop connection can be made from the lectern on stage or from the projection booth. Available inputs include VGA, HDMI and DVI-D. Please bring the highest available resolution; for the most compatibility 1920x1080p (16:9) is suggested.

FILM SYSTEM

The Screening Room maintains a 35mm/16mm cinema projection system consisting of two Kinoton FP38E Premiere 35mm/16mm variable speed projectors. This system supports magnetic (16mm only) and optical soundtracks with all standard cinema sound encodings (Mono, Dolby A, SR, SRD) with the exception of DTS.

Use of the 35mm, 16mm, HDCAM, Digi-Beta, and DCP systems must be scheduled in advance with a Film Studies Center projectionist and tested at least one week ahead of the screening.

PROJECTION SCREEN

A 10' by 25' (2.39:1) projection screen is permanently installed on the stage wall of the Screening Room. The bottom of the screen is about 3' off the stage floor.

MASKING

An acoustically transparent masking system is permanently hung at each end of the projection screen. This masking system is motor-controlled and can cater to any aspect ratio from 4:3 to 2.4:1, including all current cinema standards.

Control of the masking system is available through a touch screen at the lectern and from the projection booth.

CONTROL & INPUT LOCATIONS

Inputs available from the lectern on stage include:

- (2) Oppo BDP-95 Blu-ray players
- (1) 1080p HDMI
- (1) VGA with 1/8" TRS

All other formats are run from the projection booth and require an FSC projectionist.

There is one 75-Ohm BNC tie line, and two balanced XLR tie lines that connect from the lectern to the projection booth, which are available for use, as needed.

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AUDIO & LIGHTING

MAIN AUDIO SYSTEM

A left-center-right-sub main loudspeaker system is permanently installed behind the projection screen and surround speakers are mounted around the room to provide a complete 7.1 system.

- (3) JBL 3732 Screen Array cinema loudspeakers
- (2) JBL 4642a Dual-18" subwoofers
- (12) JBL 8320 compact cinema loudspeakers

All loudspeakers are powered using Lab Gruppen amplifiers and optimized using Lake LM26 DSPs.

MICROPHONES

There is a permanently mounted gooseneck microphone available for use at the lectern in the Screening Room and three handheld wireless microphones can be provided when Logan Center technician is scheduled.

All of the microphones connect to the surround loudspeakers for uniform coverage across the audience seating.

- (1) Shure MX412 gooseneck microphone
- (3) Audio-Technica AEW-T3300a wireless microphones

AUDIO CONTROL

All cinema and laptop playback is connected to both the main loudspeakers and the surround loudspeakers in a one-to-one configuration; only content with dedicated surround channels will be routed to the surrounds. We ask that you ensure that your media contains the correct audio tracks for playback exactly as intended.

For audio playback without accompanying video, there is one 1/8" (3.5mm) TRS connection at the lectern. The HDMI input can also be used to play audio with the projected image disabled.

The audio system in the Screening Room was built to primarily support playback and offers basic volume control of its microphones only. It does not have the technical infrastructure to support mixing for live musical performances. If you plan to have live musicians on stage, please request additional technical support at least two weeks in advance.

LIGHTING CONTROL

The house and stage lighting can be controlled from wall panels located in the main entrance vestibule and near the lectern on stage.

There is no capability for theatrical lighting in the Screening Room. However, the house lighting includes front light for the stage area.

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LOGAN CENTER

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