

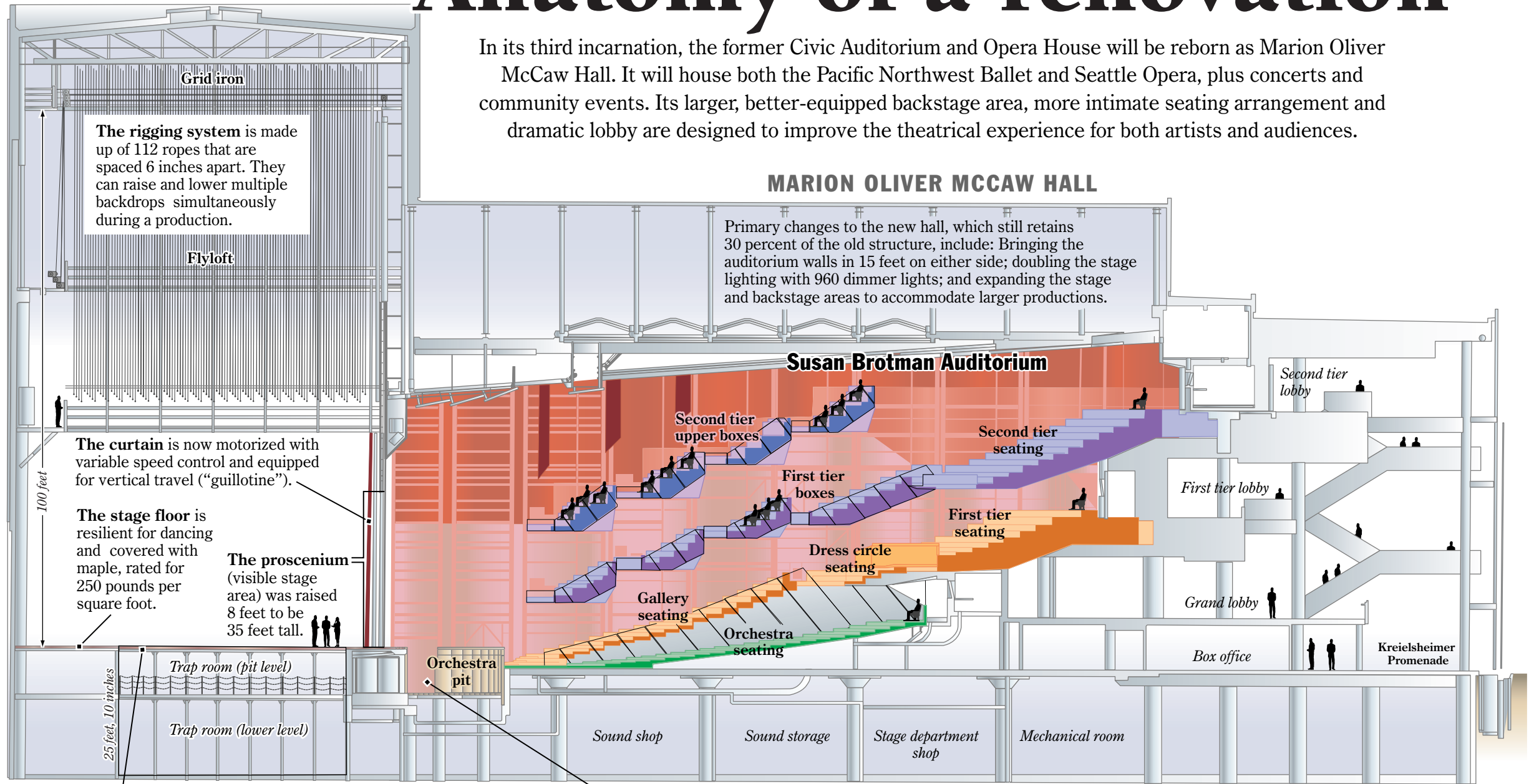
# Anatomy of a renovation

In its third incarnation, the former Civic Auditorium and Opera House will be reborn as Marion Oliver McCaw Hall. It will house both the Pacific Northwest Ballet and Seattle Opera, plus concerts and community events. Its larger, better-equipped backstage area, more intimate seating arrangement and dramatic lobby are designed to improve the theatrical experience for both artists and audiences.

## MARION OLIVER MCCAW HALL

Primary changes to the new hall, which still retains 30 percent of the old structure, include: Bringing the auditorium walls in 15 feet on either side; doubling the stage lighting with 960 dimmer lights; and expanding the stage and backstage areas to accommodate larger productions.

### Susan Brotman Auditorium

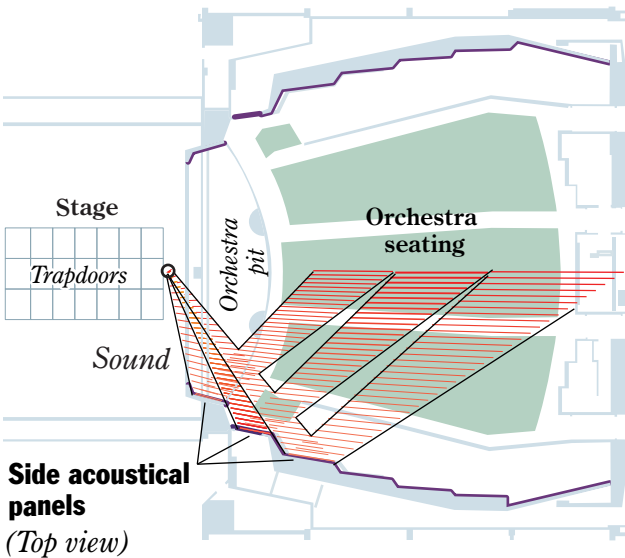


The stage floor trapped area is 42 feet long by 25 feet wide. Props and performers can be raised or lowered in any portion of this area.

The orchestra pit houses a maximum of 90 musicians (usually less) and a conductor, in an area that is beneath the stage but open in the front to allow the sound to reach the audience.

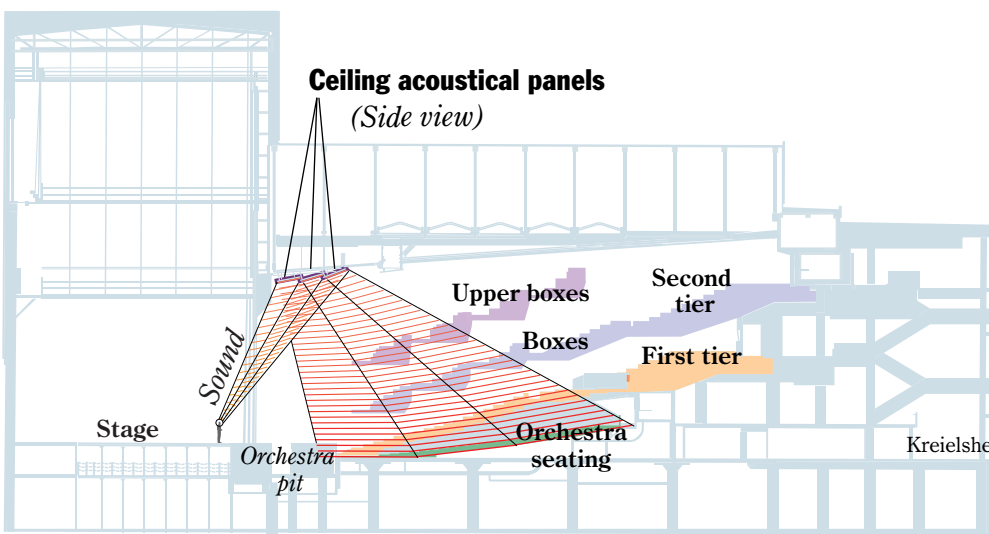
## ACOUSTIC ENGINEERING

Acoustical panels on the ceiling and along the sides of the auditorium direct sound throughout the space. Most of the panels are made of multiple layers of drywall on metal framing with embedded metal angles for sound diffusion. There are wood panels on the faces of the boxes and balconies, and the existing ceiling is plaster. Fabric-wrapped acoustical panels are judiciously located to control echoes.



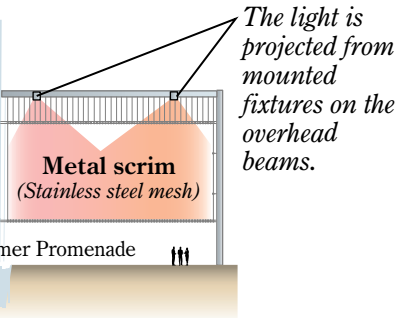
Side acoustical panels (Top view)

### Ceiling acoustical panels (Side view)



## DREAMING IN COLOR

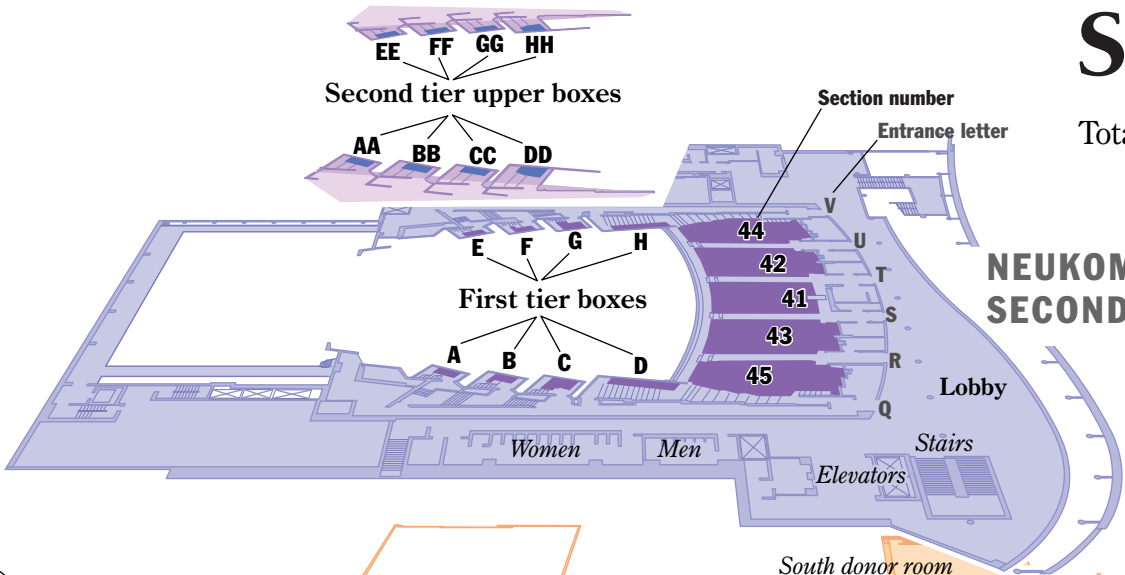
Nine 30-foot tall metal scrims will reflect four sequences of computer-programmed light.



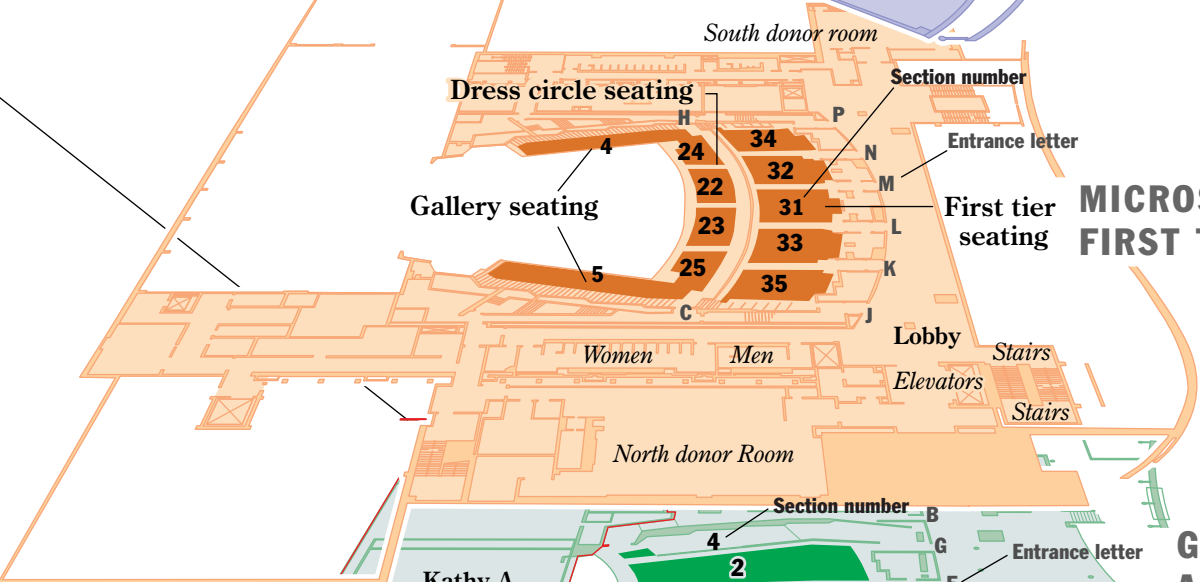
The light is projected from mounted fixtures on the overhead beams.

## Seating

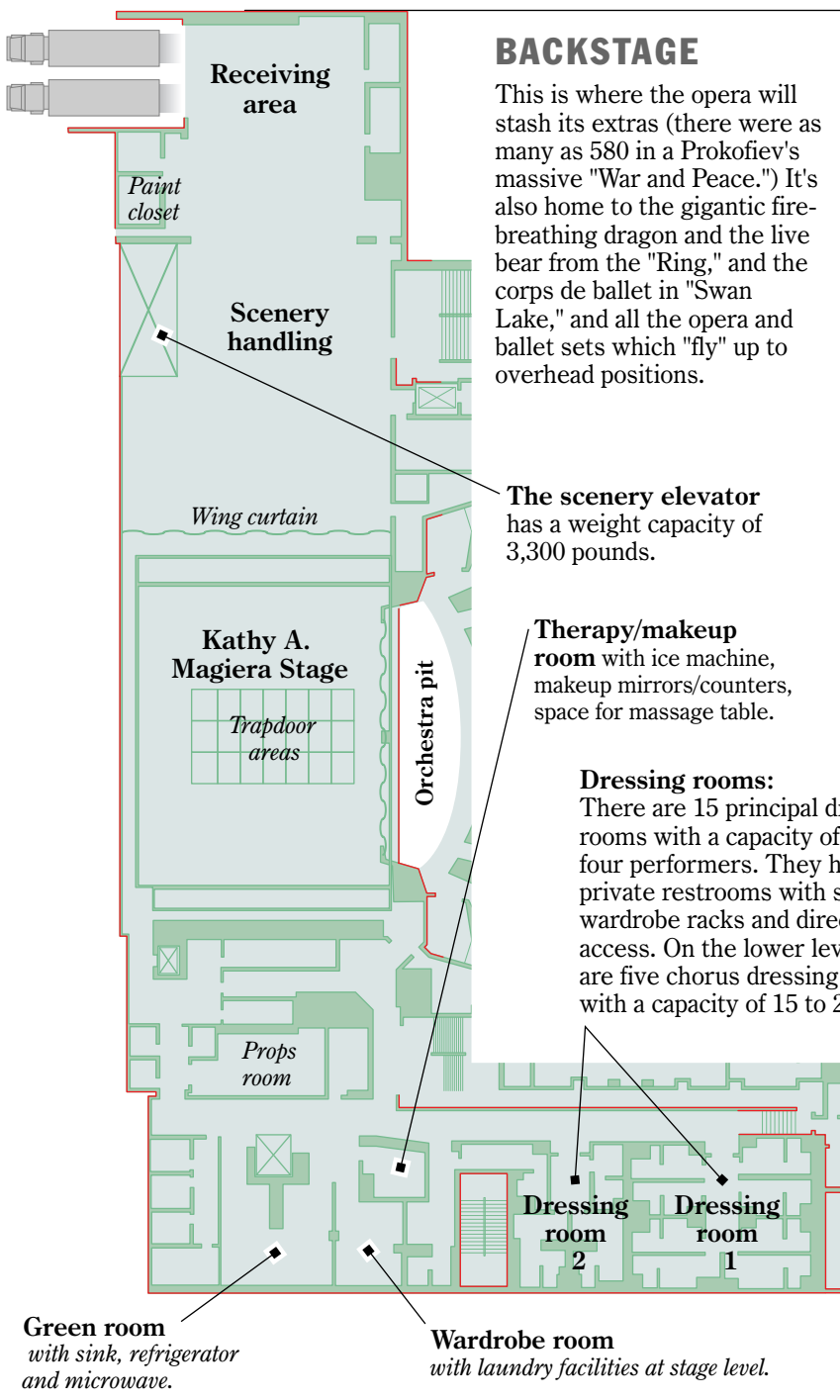
Total seating: 2,900



### NEUKOM FAMILY SECOND TIER FLOOR



### MICROSOFT FIRST TIER FLOOR



### BACKSTAGE

This is where the opera will stash its extras (there were as many as 580 in a Prokofiev's massive "War and Peace.") It's also home to the gigantic fire-breathing dragon and the live bear from the "Ring," and the corps de ballet in "Swan Lake," and all the opera and ballet sets which "fly" up to overhead positions.

The scenery elevator has a weight capacity of 3,300 pounds.

Therapy/makeup room with ice machine, makeup mirrors/counters, space for massage table.

Dressing rooms: There are 15 principal dressing rooms with a capacity of one to four performers. They have private restrooms with showers, wardrobe racks and direct stage access. On the lower level there are five chorus dressing rooms with a capacity of 15 to 20 each.

Wardrobe room with laundry facilities at stage level.

Green room with sink, refrigerator and microwave.

## NESHOLM FAMILY LECTURE HALL

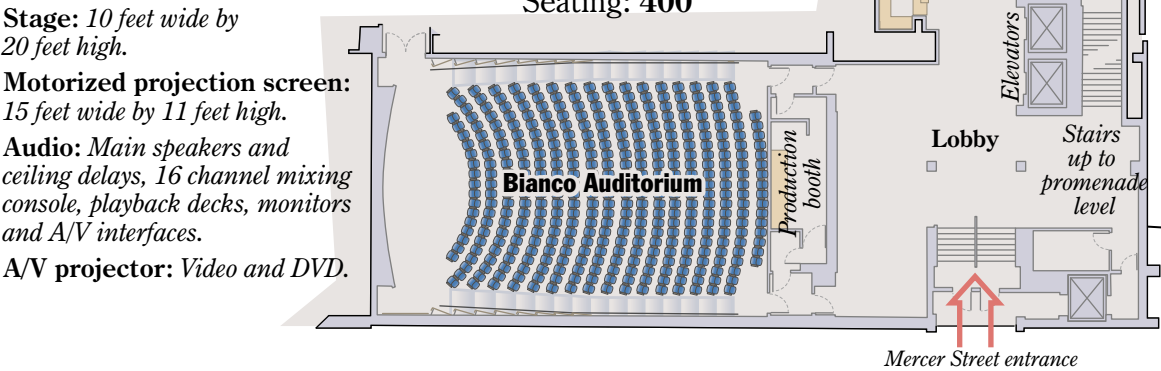
Seating: 400

Stage: 10 feet wide by 20 feet high.

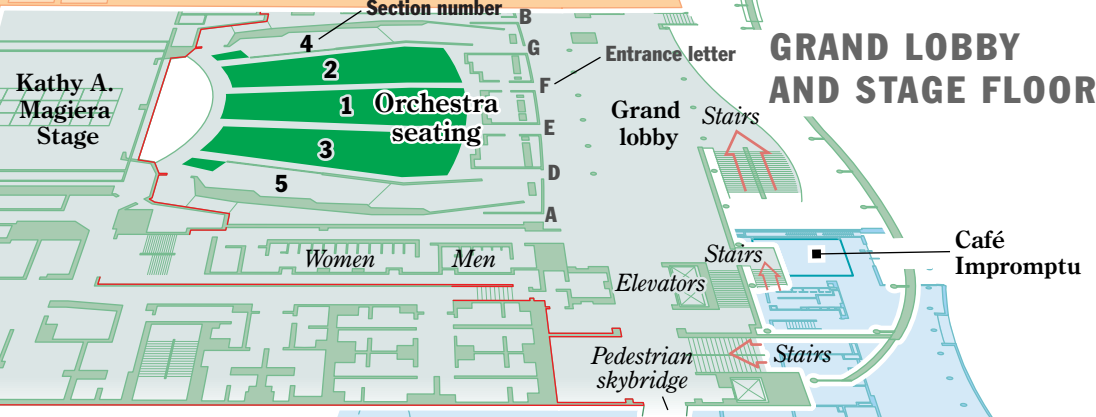
Motorized projection screen: 15 feet wide by 11 feet high.

Audio: Main speakers and ceiling delays, 16 channel mixing console, playback decks, monitors and A/V interfaces.

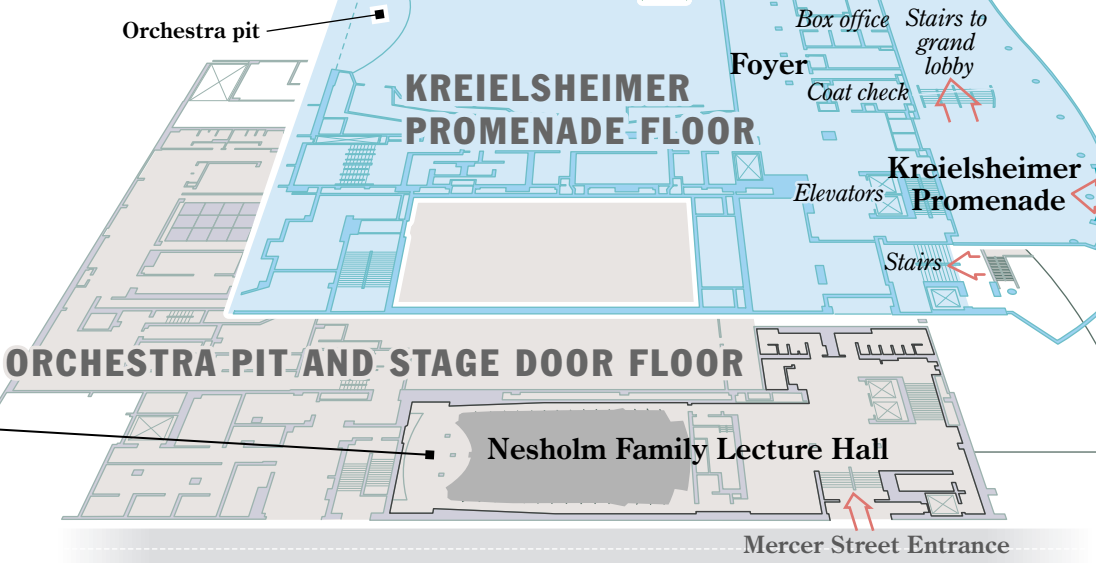
A/V projector: Video and DVD.



Mercer Street entrance



### GRAND LOBBY AND STAGE FLOOR



### ORCHESTRA PIT AND STAGE DOOR FLOOR

### Nesholm Family Lecture Hall

Mercer Street Entrance