

Rochester Opera House Technical Specifications



General:

The Rochester Opera House, located on the second floor of Rochester City Hall, originally opened on Memorial Day 1908. Rochester native George Gilman Adams designed the theater with a horseshoe balcony, grand proscenium, intricate stenciling, and unique mechanical floor. The Orchestra floor may be mechanically raked for theater seating or lowered to a level floor. The orchestra seating may be removed for floor down events.

800 Seats (8 Handicapped)

Load-In Access:

To Stage – An uncovered truck loading dock height freight elevator is located on the East side of City Hall. Elevator carriage travels up to a stage level hallway. Passage through the hallway and into the scene shop/backstage area is required to get on stage.

Elevator Dock Height: 3'-6"

Elevator Dock Door Dimensions: 7'-7"H X 7'W

Elevator Carriage Dimensions: 20'H X 7'-5"W X 7'-5"D

Elevator Carriage Capacity: 2000lbs

Note: No Personnel are permitted to travel in the freight elevator.

To House – A pedestrian elevator is located on the North side of City Hall. Elevator travels up to City Hall/Ticket Office (level 1C), the rear of the orchestra (level 2C) and the balcony (level 3C)

Elevator Door: 7'H X 3'W

Elevator Dimensions: 7'-5"H X 5'-5"W X 4'-4"D

Restrooms/Dressing Rooms:

Two dressing rooms are available one level above the stage. The access is via a staircase off of the scene shop. The largest room is 12'W X 14'D with a 7'-6" ceiling. The second room is 11'W X 8'D with a 7'-6" ceiling. Both dressing rooms have adequate lighting and lighted mirrors. Please note no running water is available in either dressing room.

Two restrooms are available at stage level just below the dressing rooms. The access is via a hallway off of the scene shop. Both restrooms have toilets, sinks, and showers.

Scene Shop/Backstage Area:

Scene shop/Backstage area is multi-use. The area is 21' W X 37' D (777 sq. ft.) with a 17' ceiling. The area is used to store tools, stagecraft, and our piano. Area also doubles as green room during performances. This room provides the only access to the stage from the freight elevator.

Stage Dimensions:

Stage house Width (SL wall to SR wall): 59'
Stage house Depth (plaster line to upstage wall): 24'-8"
Grid Height: 40'
Plaster line to Apron Lip: 6'
Center stage to SL Wall: 29'-6"
Center stage to SR Wall: 29'-6"
Center stage to US Wall: 12'-4"
Center stage to Apron Lip: 18'-4"
Usable Wing Space SL: 6'-8'
Usable Wing Space SR: 8'
Proscenium Height: 18'-2"
Proscenium Width: 29'-6"
Stage Height: 3'-8"

House Dimensions:

Orchestra Ceiling Height: 24'-10"
Orchestra Pit: 1' deep X 18' long X 5' wide
Orchestra Width: 57'-10"
Orchestra Depth (plaster line to back wall): 53'-7"
Orchestra Depth (plaster line to 1" seat) 12'-6"
Orchestra Rake: 5.16 degrees/3'-7" over 41'
Balcony Height (front): 9'
Balcony Height (mid): 12'-7"
Balcony Height (rear): 18'
Balcony Width (front): 9'-7" per side of horseshoe
Balcony Width (rear section): 87' seats occupy 66'
Balcony Depth (plaster line to balcony railing): 44'
Balcony Depth (plaster line to back wall): 80'
Balcony Rake (front): 5.16 degrees/3'-7" over 41'
Balcony Rake (rear): 8.7 degrees/5'-6" over 36'

Rigging:

The Rochester Opera House is a hemp house. The only counterweight arbor system in the entire house is the Main (guillotine) Curtain. All other line sets consist of rope lift lines and sandbags. Pin-rail is located stage left 18' above the deck. Any rigging provisions above and beyond the following line-set schedule are extremely limited.

Line-set Schedule:

1 – 6"	Tormentor
2 – 1'	Main Valance (Guillotine w/ Traveler)
3 – 2'	1 st Electric
4 – 3'-4"	Leg (Dead-Hung)
5 – 4'-4"	Border
6 – 5'	Empty
7 – 6'	2 nd Electric
8 – 9'-3"	Border
9 – 10'-6"	3 rd Electric
10 – 12'-5"	Mid-Stage Traveler (Dead-Hung)
11 – 14'-2"	Empty (no pipe)
12 – 14'-9"	Border
13 – 17'-4"	Leg (Dead-Hung)
14 – 18'	4 th Electric
15 – 18'-6"	Empty
16 – 20'-6"	Cyclorama
17 – 21'-6"	Empty

Note: Average trim height for electrics and soft-goods is 18' Grid Height is 40'

Soft Goods: Main Valance/Tormentor is red velour. Legs and Borders are black velour. Cyclorama is white.

Electricity:

The opera house does not have 3 phase power available to shows. There is one 100A Single Phase 220V Disconnect located down stage left next to the dimmer closet. There is also one 60A Single Phase 220V Disconnect located down stage left next to the 100A disco. A total of 160A Single Phase 220V is available to shows. Additionally, there are five individually circuited 20A 120V Duplex Edison receptacles down stage left on the proscenium wall. There are four individually circuited 20A 120V Duplex Edison receptacles down stage right on the proscenium wall as well.

Lighting:

- Control:** House lighting console is a Strand GSX. It has 192 Channels, 24 Sub-masters, and basic cue and effects control.
- Dimming:** There are 96 dimmers in house. It is a Strand CD80 rack. 32 of the 96 are hardwired to front of house positions. Dimmers 33-86 are available via multi-cable patch panel located down stage left on the on stage wall of the dimmer closet. Dimmers 87-96 are dedicated and hardwired for house lighting. Please keep in mind only 54 channels of dimming is available on stage (33-86).
- Instruments:** ROH has all of the following lights hung but no rep plot per se. Therefore the following instruments are available for use as you see fit.
(6) Par 64 1K (15) 6" Fresnel 750W (8) Altman 6X9 750W (4) Altman 6X12 750W (4) Altman 6X16 750W (8) ETC Source 4 Leko 19 degree 575W (3) 3-cell 16" Far-cyc (1) GPP FS400 650W Follow Spot
- Cable:** In house dimmers are patched via 6 cir. Multi-cable. There are a total of (7) 6 cir. Multi-cables and breakouts in-house. This gives you access to only 42 of the 54 available circuits on stage. To access the last 12 on stage circuits (75-86) additional multi-cable and breakouts must be obtained. All of our breakouts and instruments are terminated on Stage-Pin (GPC) style connectors. DMX control is achieved via a single portable cable which can be run from the dimmers to anywhere in the house.
- Notes:** As you can see, our house lighting system is limited. If your show is dependant on more than a few color washes and a handful of specials we recommend you arrange for additional lighting equipment. If you are unsure of your needs, or unsure if our house lighting system is adequate for your show please do not hesitate to contact us with any questions or concerns.
- Sound:** Our theater's acoustics are regularly praised by touring sound engineers and artist management. The Rochester Opera House has limited sound equipment, but we can arrange for any size sound system to fit the needs of your show. Please contact us with any questions or concerns regarding sound.

Contact:

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