

tarrytown music hall technical specifications

tarrytown music hall technical specifications provide crucial information for event planners, performers, and production teams aiming to utilize this historic venue effectively. Known for its rich history and excellent acoustics, Tarrytown Music Hall caters to a wide range of performances, from concerts and theatrical productions to lectures and community events. Understanding the venue's technical capabilities, including stage dimensions, lighting, sound systems, rigging, and backstage amenities, is essential for ensuring smooth event execution. This article delves into the detailed technical specifications of Tarrytown Music Hall, highlighting its stage layout, audio and visual equipment, seating capacity, and other critical features. Whether planning a large-scale production or an intimate performance, this comprehensive overview will equip professionals with the necessary details to optimize their use of the hall. The following sections break down these specifications for easy reference.

- Stage Dimensions and Layout
- Sound System and Acoustic Features
- Lighting Equipment and Capabilities
- Rigging and Fly System
- Seating Capacity and Audience Facilities
- Backstage and Support Amenities

Stage Dimensions and Layout

The stage at Tarrytown Music Hall is designed to accommodate a wide variety of performance types, offering ample space and flexibility for different production requirements. It is a proscenium stage with classic architectural details that enhance both visibility and the overall aesthetic experience. The stage floor is constructed of durable hardwood, suitable for dance, theater, and musical performances.

Stage Size

The main stage measures approximately 40 feet wide and 30 feet deep, providing a substantial performance area. The proscenium opening is 32 feet wide by 20 feet high, allowing for large set pieces and scenic elements. The stage height from floor to grid is roughly 35 feet, which permits effective use of vertical space for set design and lighting rigging.

Stage Layout and Features

The stage includes an orchestra pit that can be covered or uncovered depending on the type of event. There are also stage wings on both sides, each approximately 10 feet wide, used for storage of props and quick costume changes. The floor is level with minor ramps to the wings for easy mobility of equipment and performers.

- Proscenium opening: 32' wide x 20' high
- Stage width: 40'
- Stage depth: 30'
- Stage height to grid: 35'
- Orchestra pit available

Sound System and Acoustic Features

The Tarrytown Music Hall is well-regarded for its outstanding acoustics, designed to enhance both amplified and unamplified sound. The venue employs a state-of-the-art sound reinforcement system that can be tailored to the specific needs of any event, ensuring clear and balanced audio throughout the auditorium.

Audio Equipment

The sound system includes a digital mixing console with at least 32 channels, high-quality speakers positioned strategically for optimal coverage, and subwoofers to support low-frequency sounds. Wireless microphone systems and direct input (DI) boxes are also available to accommodate a variety of performance types.

Acoustic Design

The hall's interior features sound-reflective surfaces and carefully designed architectural elements that contribute to natural sound distribution. Acoustic panels and curtains can be adjusted to modify reverberation times, making the space versatile for different genres such as classical music, spoken word, or amplified rock concerts.

- Digital mixing console (32+ channels)
- Line array speakers and subwoofers
- Wireless microphones and DI boxes

- Adjustable acoustic treatments

Lighting Equipment and Capabilities

Lighting at Tarrytown Music Hall is engineered to support both theatrical and concert lighting designs. The venue offers a comprehensive inventory of lighting fixtures, control consoles, and rigging options to create dynamic visual effects and proper stage illumination.

Lighting Fixtures

The lighting inventory includes LED pars, ellipsoidal spotlights, fresnels, and moving head fixtures, providing designers with a broad palette of lighting styles and colors. The house lighting system is integrated with a modern DMX control board that allows for precise programming and real-time adjustments.

Lighting Control and Power

The lighting control console supports up to 512 DMX channels and is compatible with various lighting protocols. Power distribution is robust, with multiple circuits available on stage and in the lighting grid to accommodate large lighting rigs. Dimmers and patch panels are regularly maintained for optimal performance.

- LED pars, ellipsoidal, fresnels, moving heads
- DMX lighting control board (512 channels)
- Multiple power circuits and dimmers
- Flexible grid and pipe positions for fixture mounting

Rigging and Fly System

Tarrytown Music Hall features a traditional counterweight fly system that allows for efficient movement of scenery, lighting, and curtains. The rigging system is designed to meet professional production standards, supporting complex set changes and scenic effects.

Fly System Specifications

The fly system includes 30 line sets with a maximum load capacity of 1000 pounds per set. Lines are counterweighted and operate smoothly for quick scene changes. The grid height of 35 feet facilitates vertical flying of large set pieces and backdrops.

Safety and Compliance

All rigging equipment is inspected regularly to ensure compliance with safety regulations. The venue employs trained stagehands to operate the fly system during performances to maintain safe and efficient rigging practices.

- 30 counterweight line sets
- Load capacity: 1000 lbs per line set
- Grid height: 35 feet
- Regular safety inspections

Seating Capacity and Audience Facilities

The seating arrangement at Tarrytown Music Hall is designed to provide excellent sightlines and comfort for audiences. The auditorium blends historic charm with modern amenities to enhance the patron experience.

Audience Capacity

The hall accommodates approximately 1,100 seats, including orchestra and balcony levels. Seating is fixed but well-spaced, providing clear views of the stage from every section. ADA-compliant seating areas are available for patrons with disabilities.

Audience Amenities

Facilities include climate control, clean restrooms, and accessible entrances. Lobby areas are spacious, with concessions and coat check services. The venue also offers ample parking nearby to accommodate large audiences.

- Total seating: ~1,100
- Orchestra and balcony seating

- ADA-compliant seating and access
- Climate control and restroom facilities

Backstage and Support Amenities

The backstage area at Tarrytown Music Hall is equipped to support performers and production crews with necessary amenities and workspaces. These facilities help ensure smooth event operations and performer comfort.

Dressing Rooms and Green Rooms

There are multiple dressing rooms equipped with mirrors, makeup stations, and climate control. The green room offers a comfortable space for performers to relax before and after shows. All rooms are maintained to professional standards.

Loading and Storage

The venue provides a loading dock with direct access to the stage level, facilitating efficient load-in and load-out of equipment and sets. There is also secure storage space available for production materials during multi-day events.

- Multiple dressing rooms with amenities
- Green room for performer use
- Loading dock with stage access
- Secure storage areas

Frequently Asked Questions

What is the seating capacity of Tarrytown Music Hall?

Tarrytown Music Hall has a seating capacity of approximately 850 seats.

What type of stage does Tarrytown Music Hall have?

Tarrytown Music Hall features a proscenium stage, suitable for a variety of performances including theater, concerts, and dance.

Does Tarrytown Music Hall have professional lighting equipment?

Yes, Tarrytown Music Hall is equipped with a state-of-the-art lighting system, including adjustable spotlights, LED fixtures, and a computerized lighting control board.

What sound system is installed at Tarrytown Music Hall?

The venue uses a high-quality digital sound system with surround sound capabilities, including multiple microphones and mixing consoles to support live performances.

Are there backstage facilities at Tarrytown Music Hall?

Yes, Tarrytown Music Hall provides backstage amenities such as dressing rooms, green rooms, and ample space for set storage and crew operations.

What are the stage dimensions of Tarrytown Music Hall?

The stage measures approximately 40 feet wide by 30 feet deep, allowing for versatile set designs and performance setups.

Is Tarrytown Music Hall equipped for wheelchair accessibility and ADA compliance?

Yes, Tarrytown Music Hall is fully ADA compliant, offering wheelchair accessible seating, ramps, and restrooms to accommodate all patrons.

Additional Resources

1. Tarrytown Music Hall: Technical Specifications and Architectural Insights

This book offers an in-depth look at the technical specifications of the Tarrytown Music Hall, detailing its architectural design and structural components. It explores the hall's unique features, stage dimensions, and backstage facilities, providing valuable information for event planners and technicians. Readers will gain a comprehensive understanding of how the venue supports various types of performances.

2. Sound Engineering at Tarrytown Music Hall: A Technical Guide

Focused on the sound system and acoustics of the Tarrytown Music Hall, this guide covers the technical aspects of audio setup and optimization. It discusses the hall's sound equipment, speaker placements, and acoustic treatments that ensure high-quality sound experiences. Sound engineers and technicians will find practical tips for managing live performances in this historic venue.

3. Lighting Design and Control for Tarrytown Music Hall

This book examines the lighting infrastructure of Tarrytown Music Hall, including stage

lighting fixtures, control boards, and programming techniques. It provides detailed specifications on the lighting systems and describes how to create dynamic lighting atmospheres for various productions. Lighting designers will appreciate the technical diagrams and operational guidelines.

4. Stagecraft and Rigging at Tarrytown Music Hall

A comprehensive resource on the stage mechanics and rigging systems in Tarrytown Music Hall, this book explains the technical setup behind curtain controls, fly systems, and set changes. It emphasizes safety protocols and maintenance procedures for stagehands and production crews. The detailed schematics support efficient stage management during performances.

5. Backstage Operations: Facilities and Technical Support at Tarrytown Music Hall

This title delves into the backstage areas of Tarrytown Music Hall, outlining the technical facilities available for performers and crew. It covers dressing rooms, production offices, and equipment storage, highlighting how these spaces support smooth show operations. The book also discusses communication systems and logistical coordination.

6. Historic Preservation and Technical Upgrades of Tarrytown Music Hall

This book explores the balance between preserving the historic character of Tarrytown Music Hall and implementing modern technical upgrades. It details the challenges and solutions in retrofitting lighting, sound, and stage equipment while maintaining architectural integrity. Preservationists and technical managers will find insights into sustainable venue modernization.

7. Event Production Planning at Tarrytown Music Hall

Focused on the technical planning aspects of hosting events at Tarrytown Music Hall, this book guides readers through equipment specifications, load-in procedures, and technical rehearsals. It includes checklists and timelines tailored to the hall's unique infrastructure. Event producers can use this resource to streamline production workflows.

8. Electrical Systems and Power Distribution in Tarrytown Music Hall

This technical manual provides detailed information on the electrical layout and power distribution within Tarrytown Music Hall. It covers circuit specifications, safety standards, and capacity limits important for lighting, sound, and stage machinery. Electricians and technical staff will benefit from the comprehensive diagrams and troubleshooting tips.

9. Technical Rider Essentials for Performers at Tarrytown Music Hall

Designed to assist performers and their production teams, this book explains how to interpret and prepare technical riders specific to Tarrytown Music Hall. It outlines the hall's available equipment, technical support services, and space limitations. Understanding these details helps artists ensure their technical needs are fully met for successful shows.

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