



The National Theatre Technical Specifications, as of August 5, 2016

General Information

The National Theatre is the only traditional Broadway-style theatre in Washington, D.C. The theater seats 1713 at full capacity (seating chart available upon request).

The Mezzanine and Balcony levels are close to the stage, with seats sharply raked to produce excellent sight lines. The stage house and foundations date to 1835 and the theatre has been in operation since that year. The auditorium configuration dates to the 1920's. Dressing rooms and a small rehearsal hall are in a building dating to 1984. Load-ins take place through an interior deck accessed from 14th Street as well as through the stage door on Pennsylvania Avenue NW.

The theatre is carpeted throughout with upholstered seats and aisle lights. In-house communications link the stage, dressing rooms and front of the house. Listening assistance devices are available upon request and certain performance may be open captioned or audio described. Please contact us for information regarding these services.

Contact Information

The National Theatre
1321 Pennsylvania Avenue NW
Washington, D.C. 20004
202-628-6161 Main Number

Stage Dimensions

Center Line to Stage Right Wall	39'4" (38'10" unobstructed)
Center Line to Stage Left Wall	39'5" (37'5" unobstructed)
Setting Line to Upstage Wall	37'0" downstage pilaster to upstage pilaster
Setting Line to Lip of Stage	3'3" from upstage side of pilaster
Curtain Line to Back Wall	36'6" (usable depth– 32'6")
Grid Height	67'0" to bottom of grid
Height from Deck to Underside of Fly Floors	25'3"
Width of Stage Right and Left Fly Floors	13'0"
Length of Stage Right and Left Fly Floors	14'0"
House to Stage Level	3'7"
Sets of Lines	30 line sets @ 9" centers

- There are pin rails on fly floors on either side of the stage.
- House curtain is operated manually from stage left.
- Stage deck is topped with Masonite.
- Floor can be trapped.
- Floor can be lagged into and a restoration fee of \$5.00 per hole will be assessed.

Full stage blacks: Backdrop (1), Legs (3), Borders (3)

Proscenium

Proscenium Width	39'8"
Proscenium Width from Center Line	19'10"
Proscenium Height	27'6"
Proscenium Thickness	2'2"
Fire Curtain Thickness	6.5"

Fly Rail Stage Right

Distance from Center Line to Stage Right Rail	24'0"
Clear under Stage Right Rail	25'0"
Stage Right Jump Floor Dimensions	14'2" x 37'0" @ 31'0"
Thru-floor Hatch	6'2" x 5'1"
Lifting Hoist	1 ton hoist in thru floor hatch on beam trolley for flying dimmers and cable to jump

Fly Rail Stage Left

Distance from Center Line to Stage Left Rail	25'0"
Clear under Stage Left Rail	25'0"
Pin Rail	13'8" x 37'0" @ 31'0"
Upstage Catwalk	3'10" wide access to Stage Right

Loading Dock/Trucking Access

Trucks enter a service drive off 14th Street NW, between F Street NW and Pennsylvania Avenue NW. Additional load-in point is through the stage door entrance on Pennsylvania Avenue NW. **All trailers over 40 feet need to have wheels that shift otherwise it will not be able to access the ramp to the loading dock.** Truck staging prior and during load in and out will need to be arranged one month or more in advance in order to acquire appropriate permits from the city. No onsite parking is available. Off-site parking to be arranged directly by truck companies/show.

Trucks at a time	1 trailer M-F 6a-6p/2 trailers evenings and weekends
Loading Door Height	8'8" Loading
Door Width	8'6"
Maximum Trailer Length	53' trailer (wheels must be able to shift)

Electrics

The National Theatre has six (6) 400-amp, 3-phase panels and one (1) 200-amp, 3-phase panel. The 200-amp panel is dedicated to sound. Power is located on the stage right fly floor.

Follow Spots	3 Lycian 1290 2k
Lighting Instruments	Source 4 Ellipsoidals (require dimmers, cabling, etc. to function)
Mezzanine Rail	36 circuits, 20 amps
Balcony Rail	36 circuits, 20 amps
Box Booms	Four (4) total: two house left and two house right (one near and one far) 12 circuits each – 20-amp capacity per circuit House Lights work from downstage in basement.

Front of House Positions

FOH Electric Truss	25'11" to 0'0"
Far Box Boom Position	42'3" to 0'0" (Diagonally) Near
Box Boom Position	27'0" to 0'0" (Diagonally)
Follow Spot Booth	96'0" to 0'0" (54'11" above stage level)
1 st Balcony Rail	36'7" to 0'0" (10'9" above stage level)
2 nd Balcony Rail	45'9" to 0'0" (25'7" above stage level)

Audio and lighting FOH positions are at the rear of the orchestra, house left. Typically, in rows V-X on leveling platforms. The position is 8' deep and when the full rows of seats are removed, 20' wide. The run to backstage is approximately 175 feet.

Orchestra Pit

The Orchestra Pit can be covered to provide two additional rows of seating. Total seats in the pit are twenty-eight (28). Entrance to the orchestra pit is from under the stage at center. 70 stacking chairs and 32 music stands with stand lights are available on site.

Width	39'8"
Depth	6'8" @ CL – 2'0" @ R & L
Height	Front (3'8") – Rear of Pit (5'0")
Elevator	No; Pit is fixed depth
Stage Overhang	44" in center and 30" R & L

Trap Room

Center Line to Stage Right Wall	20'0"
Center Line to Stage Left Wall	20'0"
Downstage to Upstage	23'6"
Height	9'0"
Trap Lids and Size	4' x 8'
Stage Floor Supports	4' steel posts @ 8' CL on/off 4" CL up/down
Max Opening	25"
Alternate Access	None Practical

Grid

Grid Height	67'0" to bottom of grid
Access to Grid	Straight ladder from SL fly floor
Max Opening to Grid	2'1" well opening SR
Grid Structure	3" C channel @ 5" CL
Well Members	7" x 2" C channel @ 10.5" spread
Distance Between Grid & Ceiling	5'10" to upper beams
Ceiling Structure	2'6" I-beam (composition flat bar w/riveted angle 7/8" thick)
Grid Obstruction	None except upright members and grid mounted sleeves
Well to Well	Seven (7) wells – 6'8" CL to CL of well
Motors	One, 1 ton motor to lift equipment to electrical jump

Hemp House (NO COUNTERWEIGHT) *

**We anticipate that a counterweight system will be installed during the summer of 2017.*

Maximum Flying Height	36'0" for rigged hemp system
Loft Blocks	Grid mounted

Number of Line Sets	None except where spotted per line set plot
Manual with Capstan	Hemp/Twist Dacron/Braided Dacron
First Line Set	To your specification
Last Line Set	33'2" upstage of pilaster
Distance Between Line Sets	As spotted per line set plot
Number of Lines per Set	As spotted per line set plot
Distance between Lines	6'8" well to well
Lines Removable	Yes
Pipe Length	42'0" standard (can extend to 48'0")
Pipe Sleeved or Welded	Sleeved
Weight Capacity	750 lbs. max for Hemp
Trailer Arbors	Some manufactured special arbors available
Spot Lines	Where you want them
Rope Sheaves	6"-8" mostly – a few 10" available
Cable Sheaves	Some available

Miscellaneous Equipment

One 40' electric Genie Lift is available on stage
 Twenty 6' rectangular tables are available

Dressing Rooms

Two carpeted STAR dressing rooms are located at stage level, as is a smaller quick change room.

Twenty (20) dressing rooms are available. Most are double-size or larger and are located on the two floors above the stage. All rooms have wash basins. Toilets and showers are shared by each pair of rooms.

Backstage Rehearsal Room

Located on the fourth floor, this practice space measures approximately thirty-seven feet (37') by seventeen feet (17') and has a sprung wood dance floor, mirrors and an upright piano. This space can also be used to remote drum kits or entire show orchestras.

Wardrobe

This room is located on the basement level with three washers and three dryers. Access to all dressing room areas is possible by freight elevator backstage.

Company Manager/Stage Manager

Offices are available backstage with phone and internet service available upon request.

Stage Labor

The National Theatre employs IATSE union stagehands (Local 22), Wardrobe Attendants (Local 772), Hairstylists and Make-Up Artists (Local 798) and American Federation of Musicians (Local 161-710). Our production staff will schedule these according to the needs of your production.

Additional Documents Available Upon Request

- Dressing Room List
- Four levels of plans
- Seating Map