



Center for the Performing Arts
Empire State Plaza, Albany, New York

**KITTY CARLISLE HART THEATRE
TECHNICAL SPECIFICATIONS
Revised September 2011**

DIRECTIONS TO THE THEATRE COMPLEX

The Egg is located at the junction of several major highways and is easily accessible from all points in the Northeast.

FROM THE SOUTH:

New York State Thruway to Exit 23. Take Route 787 northbound into Albany. Follow the signs for the Empire State Plaza. Once on the ramp, pull into P-1 North Parking at Loading Dock "A" (first loading dock on your right).

FROM THE NORTH:

Adirondack Northway (Route 87) South to Exit 1E. Route 90 eastbound toward downtown Albany. Follow to Route 787 southbound and follow signs to the Empire State Plaza. Once on the ramp, pull into P-1 North Parking at Loading Dock "A" (first loading dock on your right).

FROM THE EAST:

Massachusetts Turnpike west to New York State Thruway Berkshire Spur. Exit for Route 90 north and west. Cross Hudson River and immediately take exit for Route 787 south. Follow signs to Empire State Plaza. Once on the ramp, pull into P-1 North Parking at Loading Dock "A" (first loading dock on your right).

FROM THE WEST:

New York State Thruway to Exit 24. Follow Route 90 east to Route 787 south. Follow signs to the Empire State Plaza. Once on the ramp, pull into P-1 North Parking at Loading Dock "A" (first loading dock on your right).

I. SIZE OF HOUSE (Auditorium)

Full thrust seating configuration.	883
Half thrust seating configuration.	924
Proscenium seating configuration (no thrust)	966
Handicapped seating (in any configuration)	16

II. STAGE DIMENSIONS AND DESCRIPTION

Proscenium (maximum)	
Height	24'-0"
Width	39'-2"
Stage	
Grid height	55'-6"
Width (wall to wall)	73'-0"
Upstage alcove width (centered on CL)	22'-6"
Depth (all measurements are on center line)	
Plaster line to first lineset	2'-6"
Plaster line to last lineset	28'-0"
Plaster line to back wall line	29'-0"
Plaster line to upstage alcove wall	45'-6"
Plaster line to apron edge (no thrust)	3'-6"
Plaster line to half thrust stage edge	15'-6"
Plaster line to full thrust stage edge	26'-6"
Wings	
Center line to stage left wall	36'-6"
Center line to stage right wall	36'-6"
Depth from plaster line	29'-0"
Clearance height to gallery stage right	16'-0"
Clearance height to gallery stage left	19'-6"

Orchestra Pits (see plan for configuration)

- Two sections may be used separately or together
- Pit 1 is upstage lift; Pit 2 is downstage lift
- Electrically raised and lowered to any level from stage height to 7'-0" below stage
- Estimated capacity of full pit is 40 musicians
- Entrances at playing level from trap room - if upstage lift is lowered

Stage Floor

Description (from top to bottom):

1/4" tempered black masonite, black vinyl surface, 2"x3" tongue and groove edge grain yellow long-leafed pine

- 2"x6" wooden sleepers on 12" centers
- 1/2" screen coat over cement

Trapped area begins 4 feet upstage of plaster line and is 40 feet wide x 16 feet deep

III. FLYING SYSTEM

Double Purchase Counterweight System

- 52 line sets on 6" centers, 5 lines per set
- Locking rail is stage right, 26' above deck
- Capacity of each arbor: 2,420 lbs.
- Maximum pipe capacity: 610 lbs.
- Maximum single point load: 135 lbs.
- Available weight: 4,673 lbs.

Hemp System

- Single pin rail on each side of stage, 26' above deck
- Single pin rail on SR side of alcove, 4' above deck
- Pins on all rails are on 9" centers

Pipe Length

- All battens except line #36 45'-0"
- Line #36 batten (centered on CL) 36'-0"

IV. MASKING

Stage can be completely masked in all seating configurations with black velour using available inventory. Due to the unusual sightlines, a house masking plot can be made available. All borders, legs and travelers are without fullness.

Soft Goods Inventory: For an up-to-date inventory of available soft goods, contact the production manager to discuss your requirements.

House Fire Curtain: Consists of a single panel faced with pearwood veneer -7' chocolate velour border at bottom creates the movable proscenium header and matches the auditorium finish. It is counterweighted for emergency use or motor operated (from stage right) when used as a proscenium closure.

VI. STAGE EQUIPMENT

Projection Screen: Matte white front projection screen; perforated and hard framed. 15'-6" high by 33'-0" wide. In hanging position for use with house 35mm and 16mm movie projectors.

Projection Equipment: (2) Strand Century 35mm movie projectors with auto change, cinefocus, and 5 channel Dolby Stereo/Surround system.

- (1) Portable Rear Projection Screen 9'x12'

- (1) EIKI LC-XG 400 Projector - <http://www.eiki.com/Products/LC-XG400/Default.aspx>
 - 5000 ANSI Lumen
 - Front and Rear Option
 - Includes most professional input configurations including 5 BNC and DVI
 - Compatible with computer sources up to UXVGA
 - Power Zoom and focus – H & V Power lens shift – Digital keystone correction
 - In House Lens Inventory for EIKI LC-XG 400 Projector
 - i. (1) EIKI 645-093-9068 std lens – 1.30" – 1.69" (33 – 43mm) F1.7-2.1
 - ii. (1) EIKI AH 23661 long throw – 2.72" – 4.3" (69.1 – 109.3mm) F 2.1-2.5

Orchestra Shell: 15 mobile Wenger towers; each 4'-0" wide by 16'-0" high.

Orchestra Equipment

- (30) Music stands
- (40) Musician chairs
- (2) Bass stools

Pianos

- 8'-11" Steinway Model D Grand
- 5'-10" Steinway Model L Baby Grand
- (2) Yamaha U3 Concert uprights

VII. LIGHTING EQUIPMENT

House Repertory Lighting Plot: The theatre by necessity is equipped with a repertory lighting plot. The Hart Theatre plot consists of a hung inventory of 400 unit. Dance booms are included in the plot.

Focus, dimmer, channel, and color assignments are at the discretion of the incoming show.

Any color currently in our stock is available to an incoming show. If you choose to use color not available in our stock, the cost of that material belongs to the show and not to the theatre unless arranged.

Extraordinary Lighting and Sightline Issues

- From the center section of Catwalk 2 there is a cutoff of light from the speaker cluster such that the shadow will fall about 10 feet upstage of the plaster line. The sides of Catwalk 2 have a better shot upstage to about 18 feet.
- Audience sightlines are such that the lines from the left and right partial vision seats cross about 16' upstage of the plaster line.

Front of house focus is accomplished from the Catwalks. Onstage and boom position focus is accomplished with an electric lift.

Extras Available (in limited supply)

- 6" Top Hats
- 6" and 8" Barndoors
- Gel frames
- Template holders

Control System: ETC Express 250

Accessories include: remote video display unit; portable remote control
DMX run from FOH terminates stage right.

Dimmers:

<u>No.</u>	<u>Rating</u>	<u># of Ckts.</u>	<u>Use</u>
1-60	6kw	4	Stage ckts. only
61-70	12kw	6	Stage ckts. only
71-75	12kw	NA	Houselights
77-82	6kw	8	Canopy ckts only
83-124	2.4kw	3	Canopy ckts only

Note: Care must be taken not to gang stage and canopy circuits into the same actual dimmer. Dimmers may be ganged using soft patch, but the hook-up must show actual dimmer numbers to prevent over-loading and the use of too many patch circuits. Stage circuit numbers are 1-312 and Canopy numbers are 313-420.

Patch System: On stage, patch panel is located down stage left on a level above the stage. It uses telephone style retractable plugs. Canopy patch is located next to light booth (4 floor) and uses grounded pin connectors.

Follow Spots: 2 Lycian SuperStar 1.2k 1275

VIII. STAGE MANAGER'S CONSOLE & INTERCOMMUNICATIONS

(Located stage right)

Intercom: 8 channels

40 stations - both stationary and portable

12 headsets available

Page and Monitor System

- 20 stations
- Located in all dressing rooms, chorus rooms, crew rooms, and technical areas

IX. SOUND SYSTEM

F.O.H. Loudspeakers & Amplification

Flown L,C,R clusters - 5 Meyer CQ1/2 boxes per cluster (15 total)

- self powered, full range, 1240w, 15" & 2"

On stage subwoofers - 4 Meyer 650P boxes

- self powered, sub frequency, 1240w, dual 18"

On stage front fills

- 9 Meyer UPM 1P boxes
- self powered, full range, 350w, dual 5" & 1"

Rear of theater surround

- 8 Meyer UPM 1P boxes
- self powered, full range, 350w, dual 5" & 1"

F.O.H. Drive (PC Controlled)

Meyer RMS 4.X, SIA SMAART Live, XTA Audio Core Control

XTA DP226 (1), XTA DP224 (8)

F.O.H. Console & Outboard

MIDAS Heritage 1000/48- 40 mono inputs, 8 stereo inputs, 10 groups, 10 aux

- VCA automation

BSS DPR-404 (2) - quad channel compressor (8 channels total)

Klark Teknik DN-504 (1) - quad channel compressor (4 channels total)

Drawmer DS-404 (2) - quad channel gate (8 channels total)

Klark Teknik DN-360 (2) - dual channel 1/3 oct. graphic eq (4 channels total)

Klark Teknik DN-410 (1) - dual channel parametric eq (2 channels total)

Lexicon PCM-91 (1) - digital reverb

Lexicon PCM-81 (2) - digital effects

TC Electronic D-TWO (1) - digital delay

Microphones & Input

AKG C414BULS (2), AKG C451 (4), AKG CK391 (2), AKG D112 (1),
Shure KSM32 (4), Shure B98D/S (4), Shure SM58 (8), Shure SM57 (12), Shure B58 (4),
Shure B52 (2), Shure SM81 (2), Beyer M88 (1), EV RE20 (1), Sennheiser MD421 II (2),
Neumann KM105 (1), EV 457 (6), Crown PCC160 (4), Crown PZM (2), Countryman 85 Active D.I.
(8), Whirlwind Active D.I. (1), Whirlwind Passive D.I. (10)

Playback & Recorders

Sony PCMR700 DAT player/recorder, Denon DN-M2300R dual MiniDisc player/recorder, Dual
DN-C550R dual CD recorder, Denon DN-C680 CD player, Denon DN-790R cassette
player/recorder

Stage Monitors Loudspeakers & Amplification

Flown sidefill clusters - 2 Meyer UPA 1P boxes per side (4 total)
- self powered, full range, 700w, 12" & 1.5"

Additional fills - 2 Meyer UPA 1P boxes per side
- self powered, full range, 700w, 12" & 1.5"

Floor wedges - 10 Meyer UM 1P
- self powered, full range, 700w, 12" & 1.5"

Subwoofer - 1 Meyer USW 1P
- self powered, sub frequency, 700w, dual 15"

Stage Monitors Drive

dbx DriveRack- 480R remote (1), 482S (3)

Stage Monitors Console & Outboard

Crest X12 Monitor- 40 x 12 + 4 matrix and A/B outputs
- 4 band parametric on each of 12 main sends

Digitech MultiFX - digital effects

X. LOADING INFORMATION

Directions: I-87 or I-90 to Albany; Exit onto I-787 to Empire Plaza exit; First right turn under Plaza
Parking Level P-1 North; Loading Dock "A"

DOCK ACCESS IS NOT PERMITTED WITHOUT ADVANCE SECURITY AUTHORIZATION

Roll top door: 13'-11" high x 22'-0" wide

Truck bed #1: 56'-0" long x 11'-5" wide

Truck bed #2: 44'-0" long x 11'-5" wide

Loading bed height: 3'-2"

Loading platform area: 100'-0" long x 25'-0" wide

Freight Elevator

-Located across loading platform - 100'-0" from dock

-Capacity: 10,00 lbs.

-Dimensions: 10'-0" deep x 22'-5" high x 19'-2" wide

Height of door at:

Main stage level - 12'-0"

P-1 level - 12'-0"

Swyer Theatre - 22'-5"

XI. DRESSING ROOMS

Each dressing room is equipped with:

- make-up mirrors with incandescent lights
- sink, shower, and lavatory
- full-length mirror
- chairs
- costume rack
- lockers

Dressing rooms are all on stage level

(2) Dressing rooms accommodate 12 each 24

(6) Dressing rooms accommodate 2 each* 12

*Dressing rooms #1 & #2 share a lavatory and shower
Dressing rooms #3 & #4 share a lavatory and shower
Dressing rooms #5 & #6 each have private lavatory and shower

There is no Green Room.

XII. WARDROBE ROOM

(Located stage left at stage level)

Equipped with:

- washing machine
- dryer with timer
- ironing boards
- iron
- portable garment rack
- wash sink
- full-length mirror
- garment steamer
- industrial power sewing machine

ADDITIONAL INFORMATION

The Egg has partial scene shop facilities within the complex. If emergency repairs must be made on sets, costumes, etc., the Production Manager can make these facilities available depending on scheduled activity. Please notify as early as possible so that arrangements can be made.

Please forward all information concerning schedules, crew requirements, sound and lighting requirements to the Production Manager:

(518) 473-6957 (Office)

(518) 473-1848 (Fax)

Shipping Address:
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Performing Arts Center
Concourse Level
Albany, NY 12223

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