

HERSHEY THEATRE

Technical Specifications

Mailing Address:
P.O. Box 395
Hershey, PA 17033

Building (Shipping) Address:
15 East Caracas Avenue
Hershey, PA 17033

Main Telephone: (717) 534-3411
Box Office: (717) 534-3405
Main Fax: (717) 533-2882

OWNER – The M.S. Hershey Foundation			
Executive Director	Don Papson	(717) 298-2207	dpapson@mshersheyfoundation.org
Communications & PR	Jill Manley	(717) 298-2203	jmanley@mshersheyfoundation.org
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Education	Mariella Trosko	(717) 520-5589	mtrosko@mshersheyfoundation.org
BULIDING MANAGEMENT & OPERATIONS – Hershey Entertainment & Resorts			
Booking Agent	Vikki Hultquist	(717) 534-8966	vhultquist@hersheypa.com
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Catering	Jerri Clark	(717) 534-3325	jclark@hersheypa.com
HOUSE CREW			
Head Carpenter	Mike McNally	(610) 223-6673	skippy045@hotmail.com
Head Electrician	Pete DiBacco	(717) 329-9682	pdibacco@ppslighting.com
Head Audio	Bill Hartmann	(717) 269-6282	soundadv@comcast.net
Head Flyman	John Skworch	(717) 471-7547	skworchman@verizon.net
Head Props	Ted Weimer		
UNIONS			
IATSE Local #98	Chester Ross, Business Agent	(717) 991-4411	lalocal98@yahoo.com
American Federation of Musicians (AFofM)	John Lemke, Musical Contractor	(717) 469-2354	jslemke@comcast.net

Seating Capacity	
Orchestra	1144
Loge	122
Balcony	638
Total	1904

Note: An additional 24 temporary seats can be added to the orchestra pit (when available to increase capacity to 1928.

House will open 45 minutes prior to curtain unless otherwise agreed to in writing

Box Office

Automated Ticket Program: Hershey Entertainment AS400

Outside Ticket Agency: Tickemaster

On Site Display Boards and Spaces

Marquee Display Cases 24" w x 53-1/4" h

Lobby A-Frames Display Case 39-3/4" w x 78h

Cocoa Avenue Banner Space 12'-9" w x 27-1/2" h

Chocolate Avenue Banner Space 13'-0" w x 27-1/2" h

House Policies

Hershey Theatre building is non-smoking.

Lobby doors open 60 minutes prior to curtain.

Auditorium doors open 45 minutes prior to curtain.

No cameras allowed in Auditorium.

No alcoholic beverages are allowed into the seating area.

Outside food or drink is not allowed.

STAGE INFORMATION

Dimensions

Proscenium Width	48'-10"
Soft Opening using house main	38'-6"
Proscenium Height	Arch 26'-10" off stage, 31'-9" on center
Full Stage Depth	42'-6" (From Proscenium to Back wall)
Upstage Smoke Pocket to US pilaster	41'-0"
Full Stage Width	74'-8"
Stage between Columns	72'-11"
Distance between Fly Floors	62'-11"
Distance between DS obstructions	56'-3"
Clear Height under Fly Floor	25'-5"
Clear Height under Upstage Catwalk	30'-0"
Clear Height under SL Catwalk	29'-0"
Stage Center to SL Columns	38'-6"
Stage Center to SR Columns	34'-5"
Gridiron Height	68'-6"
Height under Stage	8'-11"
Apron Depth	5'-0" (9'-0" with extension)
Available Line Sets	47
Batton out Trim	61'-0"
Distance between 1st and last sets	34'-4"
Sound Points SR and sL	

NOTE: THE STAGE FLOOR HAS TWO OBSTRUCTIONS LOCATED OFF STAGE AND DOWN STAGE

Main Drape and Valance Cage SL

This cage is approx 32" x 32" square. The upstage, on stage corner is located 3'-0" upstage of plaster and 27'-5 1/2" from the centerline of the stage.

Support Columns for elevated Fly Floor SR

This pair of columns is parallel to plaster and approximately 9" deep and 55" wide. The upstage, on stage corner is located 3'-2 1/4" upstage of plaster and 28'-9 1/2" from centerline of the stage. There is a second set of columns located upstage. The clear distance between the columns is 35'-7".

Deck Extension / Platforms: Hershey Theatre is equipped to extend its stage 4' beyond the apron when the orchestra pit and organ are not in use. The 8- 4' x 8' aluminum framed platforms used to create the extension may be used independently when the extension is not in use. Addition of the apron for production purposes nullifies the ability to move, seat, or use the orchestra pit.

Rigging System

Type	Double Purchase
# Sets	49 Sets--47 available for production (#3-#49)
First Available Set	# 3 – is 3'-3" from plaster line
Spacing	8" centers typical
Last Available Set	# 49 – is 37'-7" from plaster line
Dist between #3 & # 49	34'-4"
Arbors	9'-0" x 12" with a capacity of 2,000 lbs. of weight
Fly Rail	Stage Right
Locking Rail	Sets 1& 2 – Stage level, Stage Left Sets 3-47 - Fly Floor, Stage Right – 26'-11" above stage
Batten Length	52'-6" Typical with optional SL extension of 5'0"
In Trim	4'-0" Typical
Batten Travel	57'-4" Minimum / 61'-6" Maximum
Out Trim	61'-4" Minimum / 64'-10" Maximum
Counterweight	40,000 lbs. available counterweight
Grid Rating	Live 30 lbs. / sq. ft Total 42 lbs. /sq. ft

Spot Rigging

30 single line spot blocks
26 – 4 inch (4") x 3'-0" Schedule 80 pipes for motor spotting
50' – 1'-0" Box Truss
2 - Inverted 1-ton chain motors
1 - Inverted ½ ton chain motor

House Curtain

Curved Valance (lineset #1) – Burgundy with gold piping
Main Drape (lineset #2) – Burgundy with gold fringe
Set speed travel open / close
Variable speed guillotines

Soft Goods

5 Sets of Legs – each 10' wide x 24' high with 50% fullness
1 Set of Legs – each 10' wide x 30' high (for use with CYC only)
4 Borders – each 50' wide x 10' high
2 Panels – 25' wide x 24' high, used as mid stage black
1 Full stage Linen Cyclorama – 50' wide x 24' high

Movie Screen

1 Perforated Front Projection Movie Screen with Frame
Screen frame 50'w x 22'6"h
Distance to bottom screen at out trim 40'-10"
Screen size 44'6"w x 18'3"h
Image size 43'6"w x 17'3"h
1 Perforated Front Projection Screen
Approx. Size 40'w x 18'H
Screen Masking 10' wide x 22'-6" high

- Man Lifts:** Hershey Theatre has two (2) single man lifts.
1. Genie PLC-24 – Battery Operated
 2. JLG 30AM – Electric

Note: The use of man lifts requires qualified operators and the bypassing of lift safety features will not be allowed in the Hershey Theatre by its staff or that of the visiting productions.

TRUCK ACCESS AND LOADING

Landlord requires that no more than two trucks at a time be in the vicinity of the building during regular business hours (Monday -Friday, 8:00am – 6:00pm). A theatre representative will advise Production of recommended procedure to comply with this requirement.

In addition, due to the building air intakes and the location of a daycare playground adjacent to the theatre's loading alley, trucks are not allowed to be kept running during landlord's business hours.

Use of the parking lot directly adjacent to the theatre's loading alley is not to be assumed even outside business hours because it is not our lot. The Day Care requires permission be acquired in advance for each use through contact with the Day Care manager.

Trucks are not to be moving while our audience is arriving to (one hour prior to curtain time) or leaving (20 minutes after) after the show.

There is room for two trailers to park in the rear alley of the theatre. All other trailer parking is off-site and requires at least a three-day advance notice to be available.

LOAD-IN / OUT

The theatre does not have a loading dock. Trucks are unloaded in the alley running parallel to rear of stage using ramps. Stage loading door is at street level. Stage level is 4'-0" drop from street level. House has a ramp for this transition.

The local crew is very familiar with the load-in situation and typically requires no additional personnel be added to load-in / out labor requirements to compensate for the ramps.

Forklift: Theatre does not have a forklift; advance arrangements can be made, with two-week notice and rental of such equipment is deemed a documented expense.

Loading Door Location: Up Stage Left
Door Size: 11'-0" High x 9'-10" Wide

An elevator with access to the stage, basement and all Dressing Room levels is accessible from the alley:

Size: 5'-5" Wide x 5'3" Deep
Location: Off Stage – USR
Capacity: 2500 lbs
Doors Stage Side: 3'-0" Wide x 6'-11" High
Alley Side 3'-10 ½ "Wide x 6'-11" High

PRODUCTION POWER

Lighting/Automation: 1200 Amps

Distribution: Disconnect A
Location: 400 Amps, Down Stage Right
Connections: Cam-Locks with Ground and Neutral Reversed

Notes:

Distribution: Disconnect AA1 – 200 Amp sub of “A”
Location: Up Stage Right
Connections: Cam-Locks with Ground and Neutral Reversed

Notes:

Distribution: Disconnect AA2 – 100 Amp sub of “A”
Location: Up Stage Right
Connections: Lugs for bare ends
Notes: Typically used for motor power

Distribution: Disconnect B – 400 Amps,
Location: Basement Electrical Room
Connections: Cam-Locks with Ground and Neutral Reversed
Notes: Cable path to Disconnect is through a rabbit hole located down stage right.

Distribution: Disconnect C – 400 Amps,
Location: Basement Electrical Room
Connections: Cam-Locks with Ground and Neutral Reversed
Notes: Cable path to Disconnect is through a rabbit hole located down stage right.

Audio: 400 Amps

Distribution: Disconnect D
Location: 400 Amps, Basement Crossover
Connections: Cam-Locks with Ground and Neutral Reversed
Notes: Cable Path Stage to Disconnects D is through a rabbit hole Down Stage Left.

Distribution: Disconnect DD1 – 200 Amp sub of “D”
Location: House Right (Stage Left) Cove
Connections: Cam-Locks with Ground and Neutral
Notes: Cable Path Stage to Disconnects D is through a rabbit hole Down Stage Left.
This space is commonly use by visiting companies for location amp racks.

Shore: 60 Amps

Distribution: Disconnect – 60 Amps,
Location: Basement Crossover
Connection: Lugs for bare end tie in
Notes: Path to outside is through wardrobe area

LIGHTING

ROAD/RENTAL SYSTEMS:

- i. Usual visiting board position is at the rear of the orchestra level on centerline 96' from stage. This area is 8' wide x 5' deep and elevated 12".
- ii. Lighting power is in the Stage Right alcove.
- iii. DMX Control inputs: (all one DMX universe)
 - a. Back Stage Right
 - b. Back of House
 - i. Snake path to FOH runs through basement level through rabbit holes in this area
 - ii. 200' snake needed
- iv. The Theatre does not have a Front of House electric or cove position
 - a. **NO RIGGING POINTS IN THE HOUSE CEILING FOR LIGHTING OR SOUND**
 - i. The theatre has a fully suspended plaster lath ceiling from original construction with no high front position
 - ii. Due to historical landmark status of building one has not been put in
- v. Option to control both Box Boom and Balcony Rail positions

HOUSE SYSTEM

System:	Dimmer per Circuit with Patch Panel in Basement
Dimmer:	1-216 2.4 ETC Sensor Dimmers Available for Production House dimmers start on 217
House Lighting Console:	1 - ETC Expression 3, Back Stage Right or Back of House Road/Rental Console
DMX Control Inputs:	Back Stage Right or Back of House

FRONT LIGHTING

Projection Booth

Circuits:	None
Control:	Manual
Throw:	Approx. 134' at 26 degrees
Fixtures:	3 - Xenon Super Trooper II
Lamp:	2K Xenon lamp

Balcony Rail

Circuits:	48, House Circuits 1- 48 Starting House Right (Stage Left)
Control:	Dimmer per Circuit, 2-DMX runs available from down stage right
Throw:	Curved rail 54' Throw at center at 15 degrees 50' to plaster at centerline 14' elevation above stage
Fixtures:	24 - Altman 30 degree 4 - Altman 40 degree

Box Boom Right & Left

Circuits: 12 circuits per side
House Right Circuits 49-60
House Left Circuits 61-72

Control: Dimmer per Circuit, DMX run available from down stage right

Throw: Ladder Position
37' Throw from bottom at 23 degrees
41' Throw from top at 33 degrees
22'-6" to plaster line
38' of centerline
15' to 22' elevation above stage

Fixtures: 12 – Altman 30 degree per side

Stage Lighting:

Circuits

36 – Stage Floor Pockets
Stage Left 73-87
Stage Right 88-102
Upstage 103-114

72 – Loading Rail Sacopex 1-12
Stage Right 115-186

30 – Basement Sacopex 1-5
Stage Right 187-216

Fixtures

64 – Source Four Pars w/ a 575 lamp
5 – Altman Sky-Cyc-3 Cell with 1000w lamps

AUDIO

ROAD/RENTAL SYSTEMS:

1. Usual visiting board position is at the rear of the orchestra level on centerline 96' from stage. This area is 11' wide x 10' deep
2. Usual visiting Amp location is typically a storeroom house right with direct access to the stage.
 - a. Snake path to FOH runs through basement level through rabbit holes in this room
 - b. 200' Snake needed.
 - c. The load-in path to this room is through the house, not across the stage
3. House Patch Locations
 - a. 4 Channels at FOH Position
 - b. 2 Channels DSL and 16 Channels DSR
 - c. 3 Dry Lines to Spot Booth
4. Road PA
 - a. **NO RIGGING POINTS IN THE HOUSE CEILING FOR LIGHNTING OR SOUND**
 - i. The theatre has a fully suspended plaster lath ceiling from original construction with no high front position
 - ii. Due to historical landmark status of building one has not been put in
 - b. There are two, 1 ton points located 22'-11" right and left of center over the stage apron
5. Audio Levels
 - a. **In consideration for its audience, Hershey Theatre has established a maximum decibel level of 85db for performances.**

HOUSE SYSTEM

HOUSE CONTROL CONSOLE:

1. Allen & Heath GL3800 console
2. 24 inputs including 8 stereo inputs, 8 sub groups / 10 aux sends, 4 way matrix L, R, Mono master.
3. Located above back of balcony, house left, adjacent to spot booth

EQUALIZATION:

1. 8 Channel Ashley Protea System II 4.24G Digital EQ with delay, compression available for each channel

LOWER ORCHESTRA LOUDSPEAKERS

Cabinets: 2 - Custom 2-way loudspeakers right & left of proscenium
Location: Right & left of proscenium, 5' above stage level
Amps: 1 - BGW-SPA3 amp per cabinet
Amp Location: Anti-Pro rooms left and right
Delay: Ashley Protea System II 4.24G

UPPER ORCHESTRA (UNDER BALCONY) LOUDSPEAKERS

Cabinets: 30 - Altec #405-8HT loudspeakers/transformers distributed in ceiling
Location: Distributed in groups of 3 around under balcony lighting fixtures
Amps: QSC ISA 300T AMP
Amp Location: Back of House Left
Delay: Ashley Protea System II 4.24G

BALCONY (MAIN CLUSTER) LOUDSPEAKERS

Cabinets: 2-Custom 3-way loudspeakers
JBL – Low and Mids
Altec – Highs
Horns – 40 X 60

Location Built into proscenium behind decorative framework
Amps: 1 - BGW-SPA3 Amps per cabinet
Amp Location Attic Catwalk on Proscenium Wall

SHOW MONITORS:

1. Follow spots, all dressing rooms, back stage hallway and common areas powered by a TOA-M-900 mk2 amp
2. Talk back from dressing rooms is not possible.
3. Follow spot both is delayed using a channel of an Ashley Protea System II 4.24G

STAGE MONITORS:

1. AMPS
 - a. 1 QSC RMX 1450 2 ch Power Amplifier
 - b. 1 Crown #DC-300 2 ch Power Amplifier
 - c. 1 BGW 7500 2 ch Power Amplifier
2. SPEAKERS
 - a. 2 EV #FM12-2 Floor Monitor Loudspeakers.
 - b. 2 EV #FM-12-3 Floor Monitor Loudspeakers.
 - c. 2 Column speakers
 - d. EV SH-1502 Loudspeakers
3. Monitor control room located off stage right (amps, EQ's, and patch panel)
4. PROCESSORS
 - a. 8 ch Ashley Protea System II 4.24G with wired remote.
5. Monitor system is equipped for six channels of mix onstage from rental monitor mix board or 2 channels controlled at main audio board.

PAGING SYSTEM:

1. All dressing rooms and common areas are equipped with speakers for program monitor and paging. All speakers have individual volume control.
2. 4 Airphone #TB-6F telephone intercom stations and paging stations.
Locations:
 1. Stage Manager position off stage right
 2. Sound Room
 3. Spot/Projection Room
 4. Box Office

INTERCOM SYSTEM:

1. Intercom: Single channel (Clear-Com compatible)
2. Locations
 - See diagram for locations on stage
 - Orchestra Pit
 - Lower Orchestra – Under Seat H-114
 - Rear of Orchestra Level
 - Sound Room
 - Spot/Projection Room (3)
 - Loading Bridge
 - Panel Room
 - Dimmer Room
3. Headsets PI SMH 310 and Telex PH88

SNAKE SYSTEM:

1. One 20-connector stage box, 4 fixed inputs FOH, 2 fixed inputs SL and 3 fixed inputs upstage.
2. See diagram for location of mic inputs on stage.
3. Six Channel snake from Balcony Rail to DSR patch panel
4. 1 Channel under seat H-114 on Orchestra Level to Patch panel DSR
5. 3 Dry Lines to spot booth via stage DSR or USR

MICROPHONES:

1. 1-AT-25 with switch
2. 6-Shure #SM-57
3. 6-Shure #SM-58
4. 2-Crown #PZM-30GP
5. 2-AT 853RX Cardioid Condenser
6. 2-Samson CO2 Condenser

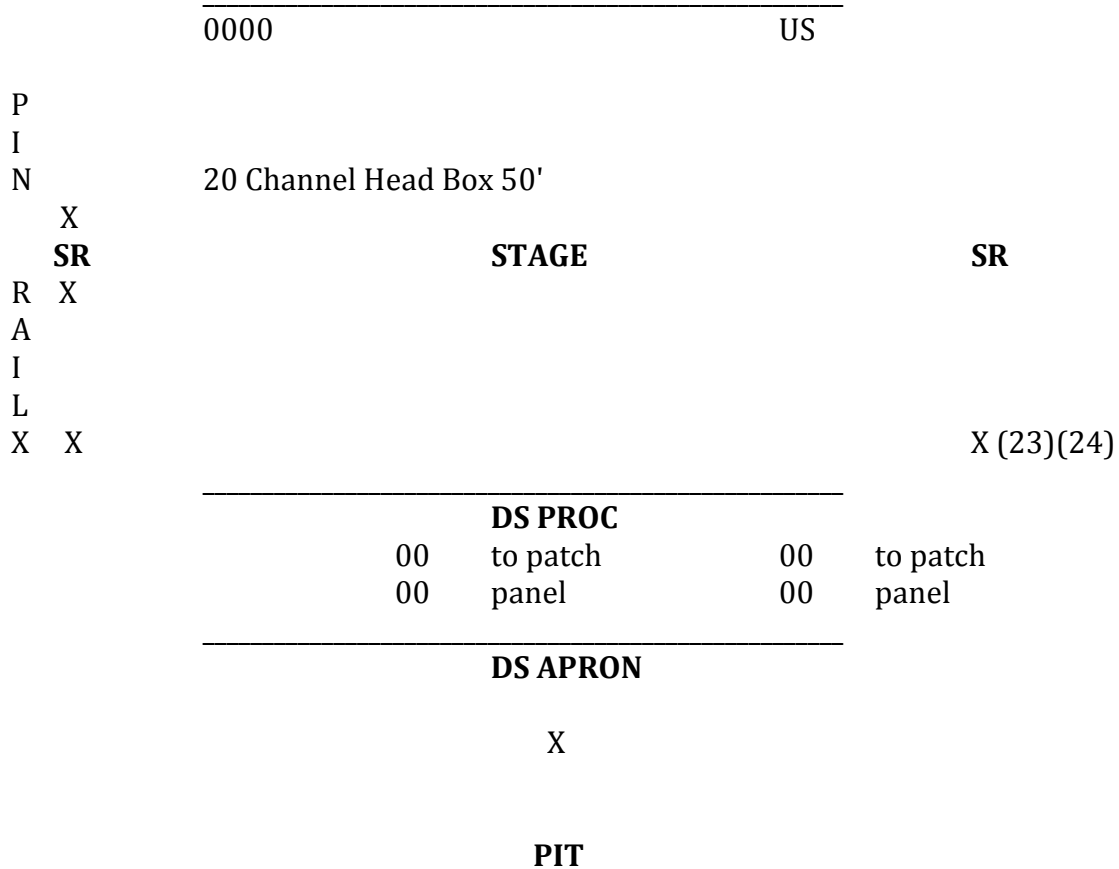
STANDS/CABLE:

1. 5 Atlas #MS-12C Stands
2. 1 Atlas DS-7 Desk Stands
3. 4 Atlas GN-13 Goosenecks
4. Ample mic cable available

OTHER EQUIPMENT:

- 1 Sure 4 Channel mixer DS
- 2 Radial MK3 direct boxes
- 1 Radial PCDI stereo direct box
- 1 CD player (Tascam CD-01U) at FOH booth position
- 1 CD / Cassette player (Tascam) at monitor position
- 5 Ch DBX Compressor
- 1 Alesis Nano-verb

STAGE LAYOUT:



0 - Mic Inputs

X - Intercom Stations

(**Diagram not to scale**)

MUSICAL INSTRUMENTS

- Grand Piano Black 7' Steinway & Sons Piano Bell Bottom B w/ Padded Bench
- Upright #1 Black Yamaha Model U5
- Upright # 2 Black Yamaha U-SPE Pro Upright w/ Artist Bench
- Percussion Standing Chimes
- 19" Cymbal with Stand
- 20" Cymbal Set with Straps and Pads

WARDROBE

Location: Theatre Basement, Stage Left

Wardrobe 1 18'w x 10.5'd
 3 – 6' Tables
 Direct Access to Sink
 Power – 5 – 20 amp
 1-Phone Jack
 Additional Dryer Power located in this room

Wardrobe 2 11'w x 6'd
 No Sink
 2 – 6' Tables
 Power 2-20 amp located in nearby hall

Wardrobe 3 L-Shaped Lower section 14' x 14', upper section 9'x 9'
 No Tables
 Direct Access to Sink
 Power 4-20 amp

Laundry:

Location Theatre Basement, Stage Left, Through Wardrobe 1
 Washers 2 – Large Load
 Dryers 2 – Large Load
 Additional Hook ups 1 each for a washer and dryer

Dressing Rooms:

Location: Dressing rooms are located off stage right on 5 floors

Room #	Floor	Typical Room Use	Size	Capacity (Mirrors)	Bathroom	Sink	Shower	IT Jack	Phone Jack
1	Basement	Chorus	19w x 13d	10	Private	Yes	Yes	-	-
11	Stage	Star	7w x 8d	1	Private	Yes	Yes	1	1
12	Stage	Office	14w x 9d	0	Private	Yes	No	1	3
21	Second	Dressing	11w x 13d	3	Private	Yes	Yes	1	2
22	Second	Dressing	8w x 11d	3	Private	Yes	Yes		1
23	Second	Dressing	8w x 9d	3	Private	Yes	Yes		1
31	Third	Dressing	11w x 13d	4	Common	Yes	Common	1	1
32	Third	Dressing	8w x 13d	4	Common	Yes	Common		1
33	Third	Dressing	8w x 13d	4	Common	Yes	Common		1
41	Fourth	Dressing	11w x 13d	4	Common	Yes	Common	1	3
42	Fourth	Dressing	8w x 13d	4	Common	Yes	Common		1
43	Fourth	Dressing	8w x 10d	3	Common	Yes	Common		1
44	Fourth	Dressing	11w x 13d	4	Common	Yes	Common		1
51	Fifth	Office	17w x 13d	0	Common	No	No	3	4
52	Fifth	Chorus	19w x 13d	8	Private	Yes	Yes		1
				55					

Phones and Internet:

Phone and Internet access is available to visiting productions for an additional fee. contact an Event Operations manager for rates.

Public wi-fi is available in the backstage dressing room areas.

For the number of phone lines and internet connections possible per dressing room see dressing room chart.

Available Phone Numbers

Line 1	Company Main Line	(717) 534-1998
Line 2	Company Fax	(717) 534-9876
Line 3	Company Modem	(717) 534-2529
Line 4	As Assigned	(717) 534-2979
Line 5	As Assigned	(717) 534-0639
Line 6	As Assigned	(717) 534-0545
Line 7	As Assigned	(717) 534-9959

HOSPITALITY AND CATERING

Hershey Theatre has no on-site catering facilities. All Catering requests should be arranged through the catering manager.

There is no readily available ice supply at Hershey Theatre, however we can gladly arrange ice delivery per performance with advance notice.

ELEVATOR AND LIFTS

Dressing Room Elevator:

Size: 5'-5" Wide x 5'3" Deep
Location: Off Stage – USR
Capacity: 2500 lbs
Speed: NA
Service: Basement Service Corridors through 5th floor dressing rooms
Door: Stage Side: 3'-0" Wide x 6'-11" High
Street Side 3'-10 ½ "Wide x 6'-11" High

Orchestra Pit Lift:

Size: Approx. D shaped 40' wide x 10'@ Center
Location: Approx. 7'-4" Down Stage of plaster line
Capacity: 7,000 lbs
Speed: 141ft. / sec. – Full travel 60 sec.
Service: Lift can travel 8'-4" between house orchestra level and trap room. Cannot come to stage level

Note: Lift is operated from a push button DSR

Note: Four Access Doors at Basement Level 3 DS (SL/C/SR – 1 USC)

Film Sound Lift:

Size: 6'-3" deep x 15'-0" wide
Location: 7'-4" from plaster line on centerline
Capacity: 2,000 lbs
Speed: .56 ft / sec – Full travel 24 sec.
Service: Trap Room to Stage Level / Elevated Stage Platform + 13'-6"

Note: Lift is operated from a push button DSR

Note: Lift is not available to visiting Productions

Down Stage Lifts 1-SL, 2-CS, & 3-SR

Size: 9'-0" deep x 36'-0" wide
Location: 13'-7" from plaster on centerline,
Service: Lift range of motion is stage level to + 7'-1" above stage.
Capacity: 9,000 lbs each lift.
Speed: .134 ft / sec – Full travel 52 sec.

Notes: Each Lift 9'-0" deep x 12'-0" wide

Lifts are operated from push buttons DSR

Must be run individually

Lifts are referenced 1,2,3 starting on SL

Note: Lift(s) Cannot Go Below Stage Level

Up Stage Lift:

Size: 9'-0" deep x 36'-0" wide
Location: 22'-7" from plaster on centerline,
Service: Lift range of motion is from –6'-3" below stage to 7'-1" above stage
Capacity: 25,000 lbs
Speed: .134ft. / sec – Full up travel 52 sec.

Notes: Lifts are operated from push buttons DSR