

Capitol Theatre

Home of
Aberdeen Community Theatre

TECHNICAL INFORMATION PACKAGE

Capitol Theatre
415 S. Main Street
Aberdeen, SD 57401

Phone: (605) 225-2228

Fax: (605) 226-5494

E-mail: act@nvc.net

Website: www.aberdeencommunitytheatre.com

*The information contained in this document is extremely dynamic
(i.e. old equipment fails and new equipment is obtained).
Please contact our Technical Director to confirm any information
that is critical to your production.*

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GENERAL INFORMATION

Theater Staff

Artistic/Managing Director

James L. Walker

Education Director/Technical Director

Brian T. Schultz

Technical Assistant/Projectionist/Facility Maintenance Staff

Heidi Jenson

Office Manager

Ronda Jo Anderson

Administrative Assistant

?????

For all personnel: Phone: (605) 225-2228
Fax: (605) 226-5494
E-mail: act@nvc.net

Area Lodging

Best Western Ramkota

1400 8th Ave NW
(605) 229-4040
2.8 miles from theater

Comfort Inn

2923 6th Ave SE
(605) 226-0097
2.1 miles from theater

Ramada Inn

2727 6th Ave SE
(605) 225-3600
2.0 miles from theater

Alonzo Ward Hotel

104 S Main St
(605) 226-7065
0.2 miles from theater

Restaurants (Downtown Area, non-franchises)

The Flame

2 S Main
(605) 225-2082
Casual/fine dining
0.4 miles from theater

Imperial Buffet

311 S Main St
(605) 229-2587
Chinese buffet
0.1 miles from theater

Mazatlan

1 S 1st St
(605) 229-1222
Mexican
0.4 miles from theater

Sammy's

212 S Main St
(605) 229-4753
Omelette shop
0.3 miles from theater

Ward Plaza Bar & Grill

104 S Main St
(605) 225-6100
Casual/fine dining
0.2 miles from theater

Wild Oats

322 S Main St
(605) 725-6287
Sports bar
0.1 miles from theater

Transportation Services

Aberdeen Regional Airport

E US HWY 12
(605) 626-7020
3.5 miles from theater

Hertz

Aberdeen Regional Airport
(605) 225-4163
3.5 miles from theater

Aberdeen Taxi

929 S Main
(605) 225-6280
0.4 miles from theater

Other Services

Automotive

Reuer's Auto & Electric
403 N Main St
(605) 225-8565
0.6 miles from theater

Bank

Great Western Bank
119 6th Ave SE
(605) 229-2634
0.2 miles from theater

U.S. Bank
320 S 1st St
(605) 226-4100
0.3 miles from theater

Wells Fargo Bank NA
204 S 1st St
(605) 225-2220
0.2 miles from theater

Hardware store

Runnings Farm & Fleet
804 S 5th St
(605) 226-2600
0.5 miles from theater

Mac's Inc.
222 6th Ave SW
(605) 225-4029
0.2 miles from theater

Menards
3821 6th Ave SE
(605) 226-1333
2.7 miles from theater

Laundry

South Main Launder-Mat
924 S Main St
(605) 225-9921
0.4 miles from theater

Pantorium
16 N Main St
(605) 225-2250
0.4 miles from theater

Pharmacy

Kesslers
615 6th Ave SE
(605) 225-6673
0.5 miles from theater

Physicians

General Practitioner

Sanford Clinic Aberdeen
3015 3rd Ave SE (by Lakewood Mall)
(605) 725-1700
2.2 miles from theater

Ear, Nose & Throat Specialist

Central Dakota Ear, Nose & Throat
201 S Lloyd St
(605) 225-1420
0.8 miles from theater

Gynecologist

Avera OB/GYN Associates
310 S Penn St
(605) 225-1636
0.8 miles from theater

Chiropractor

Bledsoe Family Chiropractic Clinic
221 6th Ave SE
(605) 229-1212
0.3 miles from theater

Dentist

Family Dental Care
221 6th Ave SE
(605) 226-1867
0.3 miles from theater

Masseuse

Avera St. Luke's Therapeutic Massage (Avera St. Luke's Hospital Midland Campus)
1440 15th Ave NW (just off US HWY 281 N)
(605) 622-5556
2.4 miles from theater

Production Needs (Lights, Sound, Musical Instruments, etc.)

Pauer Sound & Music

216 S. Main Street
(605) 226-2380
0.3 miles from theater

Supermarket

Kesslers

615 6th Ave SE
(605) 225-1692
0.5 miles from theater

Emergency Numbers

Dial 911 for all emergency services

Aberdeen Police Department: (605) 626-7911
Aberdeen Fire Department: (605) 626-7048
Aberdeen Ambulance: (605) 626-7045
Avera St. Luke's Hospital: (605) 622-5100

Travel Directions

Entering Aberdeen from the west; US HWY 12 East (Ipswich, SD)

From junction of US HWY 12 and US HWY 281...

Follow US HWY 12 (turns into 6th Avenue SW) east to S. Main Street (1.2 miles, six (6) traffic lights)
Turn north (left) on S. Main Street (one-way street going north)
See Directions "From Main Street"

Entering Aberdeen from the east; US HWY 12 West (Groton, SD)

From Aberdeen Regional Airport...

Follow US HWY 12 (turns into 6th Avenue SE) west to S. Main Street (3.4 miles, eleven (11) traffic lights)
Turn north (right) on S. Main Street (one-way street going north)
See Directions "From Main Street"

Entering Aberdeen from the north; US HWY 281 South (Ellendale, ND)

From Wylie Park (on west side of highway)...

Follow US HWY 281 south (turns into 2nd Street) to 6th Avenue SW (US HWY 12) (2.6 miles, five (5) traffic lights)

NOTE: Do NOT take the US HWY 281 bypass

Turn east (left) on 6th Avenue SW
Go two blocks east on 6th Avenue SW to S. Main Street (.1 miles, two (2) traffic lights)
Turn north (left) on S. Main Street (one-way street going north)
See Directions "From Main Street"

Entering Aberdeen from the south; US HWY 281 North (Redfield, SD)

Follow US HWY 281 north to 6th Avenue SW (US HWY 12) (Traffic light)
Turn east (right) on 6th Avenue SW
Follow 6th Avenue SW east to S. Main Street (1.2 miles, six (6) traffic lights)
Turn north (left) on S. Main Street (one-way street going north)
See Directions "From Main Street"

From Main Street

Go one block north on S. Main Street to 5th Avenue SE. (Traffic light)
Continue north on S. Main to Capitol Theatre main entrance (415 S. Main) or Aberdeen Community Theatre office (417 S. Main)

OR

Turn east (right) on 5th Avenue SE for ½ block to alley driveway on north (left) side of street
Turn north (left) in alley; continue to large, white overhead garage door

MANAGEMENT

Production Room

There is no specific area dedicated as a Production Room for visiting companies. Arrangements to use Aberdeen Community Theatre office space, phones, fax machine or computers should be made with Jim Walker (Artistic/Managing Director) or Ronda Anderson (Office Manager).

Green Room

The Prop/Green Room is located in the northeast wing of the facility. It is beyond the Stage Right Wing and Scene Shop. It is adjacent to the Dressing and Makeup/Wardrobe Rooms. There is one (1) 9" step up into the Scene Shop, which is on the same level as the Stage. It is equipped with refrigerator, stove, dishwasher and microwave.

Rehearsal Areas

There is one rehearsal area available in addition to the Stage. Arrangements must be made in advance to schedule its use:

Young People's Theatre Classroom

Located adjacent to Prop/Green Room in northeast wing of the facility.

Stage Manager's Stations

There are no dedicated Stage Manager's positions. Wired headset intercom stations can be placed in various locations on stage, backstage or in the Control Booths via microphone jacks and cables. The most typical stage manager position for Aberdeen Community Theatre has been in the Stage Right Wing by the large overhead door leading into the Scene Shop.

Crews

Other than ACT staff, Aberdeen Community Theatre does not have any stage crew personnel. ACT will gladly assist visiting companies in locating local volunteer crew, but note that there is not a large pool of professionally trained crew members available in the local area.

Handicapped Access

The Stage is wheelchair accessible only via a ramp 8'-0" L x 6'-4" W x 9" H located in Scene Shop. Dressing Room area rest room appliances are fitted for handicap access.

Policies

House opens a minimum of thirty (30) minutes prior to starting time.

Normal starting time is 7:30 p.m. or 2:30 p.m. for matinees.

Days with two (2) performances, normal starting time is 2:00 p.m. for matinees and 7:30 p.m. for evenings.

Food and drinks are not allowed in Capitol Theatre auditorium.

South Dakota state law prohibits smoking within the building.

Load-In Area

The Load-In Area is accessible via an 8'-0" x 8'-0" overhead door into the Scene Shop. The diagonal dimension is 11'-3¾". The door is accessible via alley entrance on the east side of the facility. The alley is one-way going north. Vehicles typically unload parallel to the overhead door. The landing to the door is 1'-4" above parking lot level. There is no ramp leading to this landing.

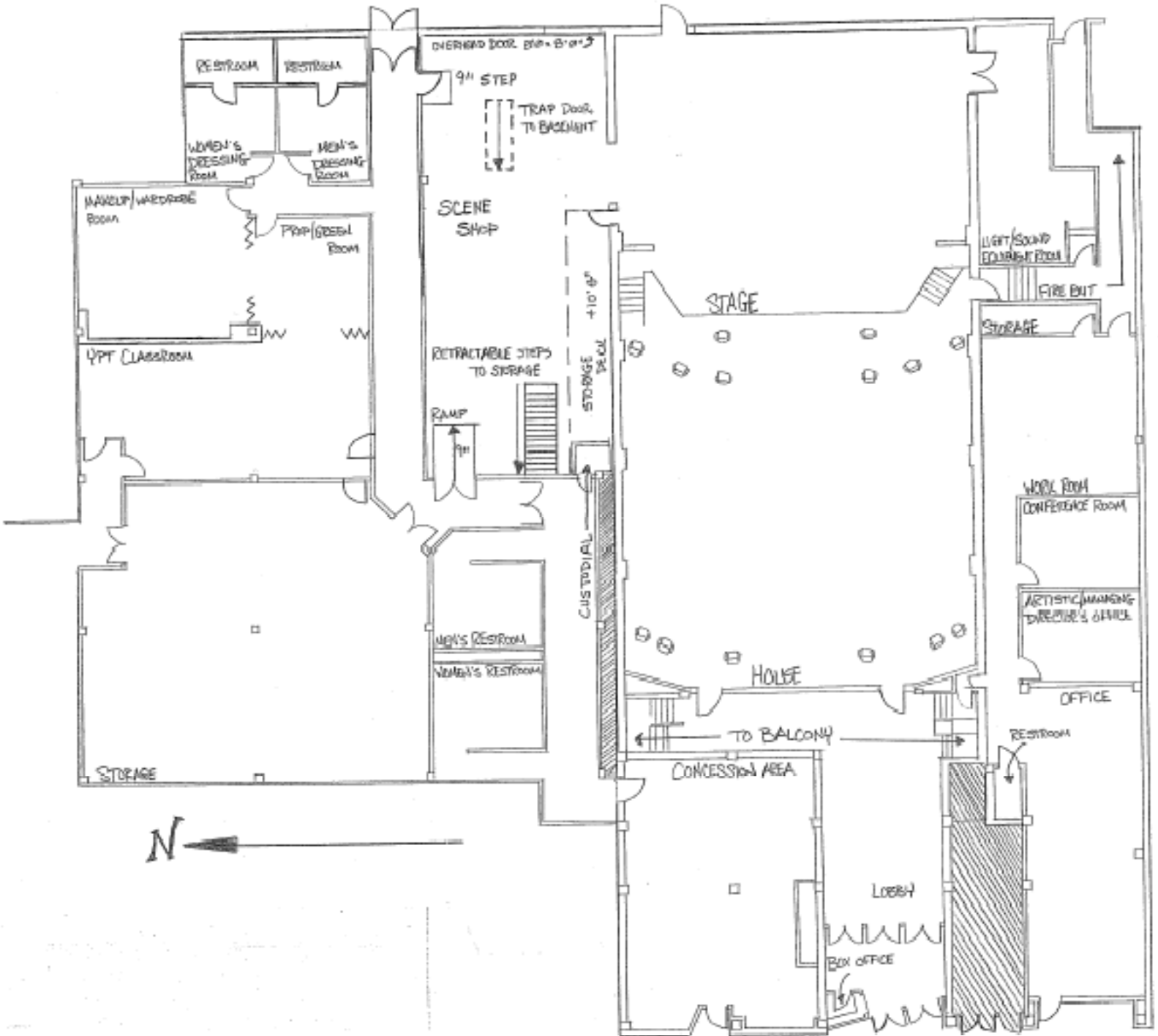
Drawings

All Drawings referenced in this document may be found as downloadable PDF files on Aberdeen Community Theatre's website: www.aberdeencommunitytheatre.com. All drawings are scaled: ¼"=1'-0". To print at full drawing size and proper scale, paper size is 20x24". To print on 8½ x11" (letter) paper, it will scale down to 50%, which may make reading difficult, especially on the Light Plot.

The Capitol Theatre Facility Groundplan may be found on Page 7 of this document

NOTE: Drawing is scaled: 1" =20'-0"

Capitol Theatre Facility Groundplan



CARPENTRY

Seating

(446) seats (326 main floor, 120 balcony). Can add four (4) folding chairs in wheelchair-accessible positions if not in use. Can also add 20 additional folding-chair seating on balcony risers.

Stage Dimensions

**** REFER TO CAPITOL THEATRE STAGE GROUNDPLAN**

NOTE: The Capitol Theatre was built in 1926 as a vaudeville/movie house. When it was acquired by the Aberdeen Community Theatre, extensive renovations took place, including extending the original stage. However, the original Proscenium Arch still remains, as it is a major structural element for the rest of the building. Please note its location in the information below.

Stage

Proscenium Arch: 40'-0" W x 20'-0" H

Old Proscenium Arch: 26'-7" W x 20'-0" H

Depth of Orchestra Pit: 6'-8 $\frac{1}{4}$ "

Upstage Edge of Orchestra Pit (Pit Line) to front of Proscenium Arch (Apron): 2'-11"

Upstage Edge of Orchestra Pit (Pit Line) to front of old Proscenium Arch: 17'-7 $\frac{1}{2}$ "

Front of old Proscenium Arch to Back Wall: 15'-1"

Total Stage depth: 39'-4 $\frac{3}{4}$ "

Wing Space

Stage Right

5'-0" from Proscenium Arch to wall/doors

Upstage Right (behind old Proscenium Arch)

9'-1 $\frac{1}{2}$ " from old Proscenium Arch to Lock Rail

Stage Left

2'-3" from Proscenium Arch to Lock Rail

Upstage Left (behind old Proscenium Arch)

11'-7" from old Proscenium Arch to wall/doors

Grid Height

Downstage of old Proscenium Arch

28'-10 $\frac{1}{2}$ " from Stage to ceiling deck.

Approximate effective flying height is 25'-2"

NOTE: Line Set 3 effective flying height is 24'-5"

Upstage of old Proscenium Arch (Flyloft)

47'-5" from Stage to ceiling deck. 41'-1" from Stage to top of Grid.

Approximate effective flying height is 36'-3"

Orchestra Pit

The Orchestra Pit is 6'-8 $\frac{1}{4}$ " deep, Upstage to Downstage. It is 40'-3 $\frac{3}{8}$ " wide at the Upstage end and 33'-0 $\frac{1}{2}$ " wide at the Downstage end. The pit is 7'-3" below Stage level and 4'-0" below House floor level. Actual floor space in the Pit measures 30'-8" L x 8'-7" W. The Pit cover is made of ten (10) removable sections of floor. These sections are fabricated with $\frac{3}{4}$ " plywood over a $\frac{3}{4}$ " plywood sub-floor and four (4) 2" x 6" stringers. The eight (8) middle sections are 4'-0" W x 6'-7 $\frac{1}{2}$ " L. The two (2) end sections are triangular in shape.

Stage Height

3'-3" above House floor level

Stage Floor

Upstage of the old Proscenium Arch, the Stage floor is $\frac{3}{4}$ " plywood over $\frac{3}{4}$ " plywood sub-floor over 2" x 8" sleepers over the original stage floor. Downstage of the old Proscenium Arch, the Stage floor is $\frac{3}{4}$ " plywood over $\frac{3}{4}$ " plywood sub-floor over 2" x 8" joists and stud walls. It is painted matte brown. The floor may not be screwed, drilled or nailed into.

Traps

Three (3) traps 8'-0" L x 4'-0" W, located mid-Stage Right, Center and Left, Downstage of the old Proscenium Arch. The Center Trap is 6'-0" below Stage level. The Stage Right and Stage Left Traps are 3'-7½" below Stage level. Each Trap cover is actually two (2) 4'-0" L x 4'-0" W removable sections, fabricated with ¾" plywood over a ¾" plywood sub-floor and 2"x4" frame, latched into place. They are the same color as the Stage floor. They may not be screwed, drilled or nailed into.

Soft Goods (House Draperies)

**** REFER TO CAPITOL THEATRE SOFT GOODS PLOT**

House Curtain

Valance

(1) 40'-0" W x 4'-0" H, black 25 oz. Velour, 50% fullness, dead hung

Main Act Curtain

(2) 24'-0" W x 20'-0" H panels, black 25 oz. Velour, 50% fullness, dead hung on traveler track, draw from Stage Right Wing by Proscenium Arch

Legs

(2) 10'-0" W x 20'-0" H, black 25 oz. Velour, 50% fullness (1st Legs, dead hung on traveler track)

(8) 8'-0" W x 24'-0" H, black Commando Cloth, flat

**** (4) available for use**

(1) 8'-0" W x 22'-6" H, black Commando Cloth, flat (mask DSR Wing/Scene Shop, dead hung on traveler track)

(1) 8'-0" W x 19'-0" H, black Commando Cloth, flat (hemp line USL, mask USL wing)

(5) 8'-0" W x 16'-0" H, black Commando Cloth, flat

(1) 10'-0" W x 10'-10" H, black Commando Cloth, flat (mask DSL Wing/rigging, dead hung on traveler track)

(6) 8'-6" W x 21'-6" H, black Commando Cloth, flat (moderate to poor condition)

**** (6) available for use**

Borders

(1) 48'-0" W x 8'-0" H, black 25 oz. Velour, 50% fullness (1st Border)

(1) 42'-0" W x 6'-0" H, black Commando Cloth, flat (2nd Border)

(1) 30'-0" W x 8'-0" H, black Commando Cloth, flat (3rd Border)

(2) 45'-0" W x 4'-0" H, black Commando Cloth, flat

(1) 42'-0" W x 4'-0" H, black Commando Cloth, flat

(1) 36'-0" W x 4'-0" H, black Commando Cloth, flat

(1) 36'-0" W x 5'-0" H, black Canvas (home-made, moderate condition)

**** (5) available for use; first three (3) dedicated**

Full Stage

Mid-Stage Traveler

(2) 24'-0" W x 21'-0" H panels, black Commando Cloth, 50% fullness, dead hung on traveler track, draw from Stage Right Wing by Old Proscenium Arch

Full Stage Black

(4) 8'-0" W x 16'-0" H Legs, black Commando Cloth, flat (from list above)

Scrim

(1) 30'-0" W x 18'-9" H, black Sharkstooth

(1) 28'-0" W x 16'-0" H, white Sharkstooth (moderate to poor condition)

Cyclorama

(1) 54'-1" W x 23'-10" H, light blue, moderate condition

(1) 21'-0" W x 20'-0" H, white (blank, non-painted backdrop)

Line Set Data

**** REFER TO CAPITOL THEATRE RIGGING PLOT**

Line Plot

Line No.	From Pit Line	From Previous Line	Typical Trim	Notes
Dead Hung	3' - 8"	0"	20' - 0"	Valance
Dead Hung	4' - 1"	5"	22' - 0"	Fire Curtain
Line 1	5' - 2"	1'-1"	23' - 6"	1 st Border
Dead Hung	5' - 7½"	5½"	20' - 6"	Main Act Curtain
Dead Hung	6' - 1"	5½"	20' - 7"	1 st Leg
Dead Hung	7' - 2"	1'-1"	23' - 2"	Projection Screen
Line 2	8' - 1½"	11½"	21' - 0"	1 st Electric
Line 3	10' - 9½"	2'-8"	-	-
Line 4	12' - 9½"	2'-0"	23' - 9"	2 nd Border
Line 5	13' - 5½"	8"	24' - 0"	2 nd Leg
Line 6	14' - 9½"	1'-4"	21 -10 "	2 nd Electric
Line 7	15' - 5½"	8"	-	-
Hemp Line	16' - 9"	1'-3½"	-	-
Dead Hung	17' - 2"	5"	21' - 0"	Mid-Stage Traveler
Hemp Line	20' - 10 ½"	3'-8½"	22' - 8"	3 rd Border
Line 8	21' - 7½"	9"	-	-
Line 9	22' - 3½"	8"	17' - 0"	3 rd Electric
Line 10	23' - 7½"	1'-4"	16' - 0"	Full Stage Black
Line 11	24' - 11½"	1'-4"	18' - 9"	Scrim
Line 12	26' - 3½"	1'-4"	20' - 6"	4 th Electric
Line 13	26' - 11½"	8"	-	-
Line 14	28' - 3½"	1'-4"	-	-
Line 15	28' - 11½"	8"	23'-10"	Cyclorama

Working height of Battens

Downstage of old Proscenium Arch

High trim (typical) 25'-2" above deck (Line 3 – 24'-5")

Low trim (typical) 5'-2" above deck (Line 3 – 4'-4½")

Low trim (electrics) 4'-8¾" above deck

Upstage of old Proscenium Arch (Flyloft)

High trim (typical) 36'-3" above deck

Low trim (typical) 5'-2" above deck

Battens

Downstage of old Proscenium Arch

(7) 42' battens (typical), 1½" pipe, centers are either 8" or 1'-4" (see Line Set Data, page 10), five (5) lift lines

Upstage of old Proscenium Arch (Flyloft)

(8) 30' battens (typical), 1½" pipe, centers are either 8" or 1'-4" (see Line Set Data, page 10), three (3) lift lines

Type

All lines are single purchase, T-Bar guided. Lock Rail for Lines 1-7 is located Stage Left, Lock Rail for Lines 8-15 is located Upstage Right of old Proscenium Arch.

NOTE: Please consider all Hemp Line Sets as dead hung, as there are no sandbags or counter-weights to quickly or effectively fly these lines in or out. They require three to four personnel to move. They are permanently set for masking purposes.

Arbor Capacity

1,304 lbs.

Available Weight

7,970 lbs.

(173) 40# bricks

(42) 25# bricks

Fly Gallery

18'-4" above deck

Pin Rails

NOTE: Currently not in use, save one Hemp Line for Border (3rd Border) immediately Upstage of old Proscenium Arch

(1) 21'-6" above deck

(1) 23'-0" above deck

Support Areas

Crossover

The area behind Line 15 and the Back Wall is 3'-9" wide.

Stage Access

Front-of-House

From back of House through doors located House Right and House Left

From door located House Right by Stage

There is a set of Apron stairs House Left that is 3'-8" wide with a rail that is perpendicular to the Proscenium Arch. Another set of Apron stairs is located House Right (by door) that is 3'-5" wide without a rail that is angled 60° degrees off the Proscenium Arch.

Backstage

2'-6" W by 6'-11" H door located Stage Right (Downstage) leading to Scene Shop

8'-6" W x 15'-8" H overhead door located Stage Right leading to Scene Shop

3'-2" W x 6'-11" H door located in Back Wall (Stage Right) leading to alley (emergency exit only)

5'-11" W x 6'-11" H double door located Stage Left (Upstage) leading to Light/Sound Equipment Room

Scene Shop Area

Located immediately Stage Right.

Storage

Storage space is available in Scene Shop located immediately Stage Right.

Power

120V, 20A Receptacles

(8) 20A circuits, NEMA 5-20R (Edison style) receptacles. Two (2) located on each side of the Proscenium Arch and old Proscenium Arch.

120V, 30A Receptacle

(1) 30A/125V NEMA 10-30R (three-blade appliance style) receptacle, tied into breaker panel in Scene Shop, located directly Stage Right. **NOTE:** NEMA 10-30R receptacles are more outdated. They were intended for older 240 VAC-only appliances and are wired hot-hot-ground. They were grandfathered out of usage back in the 1980s.

240V, 50A Receptacle

(1) 50A/240V NEMA 10-50R (three blade + ground) receptacle tied into Company Switch located in Upstage Right Corner.

Company Switch

(1) 240V, 3Ø 200A Company Switch located in the Upstage Right corner. Visiting companies are required to provide their own tie-in ("pigtails").

LIGHTING

Power

120/208V, 3Ø 400A
120/208V, 3Ø 200A

System Layout

**** REFER TO CAPITOL THEATRE LIGHT/SOUND SYSTEM LAYOUT**

**** REFER TO CIRCUIT CHART, BELOW**

Dimmers

(168) Dimmers total

(144) 2.4kW ETC Sensor dimmers directly wired to circuits 1-144, DMX 512

(2) Genesis ComStar 1224 12-channel dimmer packs, 2.4kW, two (2) circuits each, NEMA 5-20R (Edison style) receptacles, DMX-512, AMX-192, analog (15-pin) compatible, may be patched into main system. **NOTE:** Dimmers 7 and 8 on each pack "ghost" (do not completely turn off).

Control Locations

Control Booth located behind the Balcony

There are two (2) additional DMX input jacks; located in the back wall of House Left and on the front of the Stage, Stage Right.

There are three (3) additional Remote Focus Unit (RFU) input jacks; located in the back wall of House Left, on the front of the Stage, Stage Right and in the catwalk just before the entrance to the 1st Cove.

There is one (1) additional DMX output jack in the basement, next to the Dimmer Rack.

Control Consoles

NOTE: All controls use DMX-512 protocol.

Main Console

(1) ETC Express 48/96
Located in Control Booth

Auxiliary Control

(1) ETC Remote Focus Unit (RFU)
(2) 12-channel DMX Station (located in Stage Manager's position Stage Right; back wall House Left)
(1) 4-channel DMX Station (located in Control Booth)

NOTE: DMX Stations are designated architectural units for limited compositions, generic facility needs and emergency applications.

House Lights

Chandeliers

(6) dimmable fluorescent chandeliers on independent lifts. Lift controls are located in the Control Booth. They are wired into Dimmers 138, 140, 141. They are controlled via Control Console, DMX Stations or RFU.

Fixed Lights

Balcony

(2) lights mounted in back of Balcony, wired into Dimmer 140, the same dimmer as the rear chandeliers. They are controlled via Control Console, DMX Stations or RFU.

Under Balcony

(4) lights under Balcony, wired into Dimmer 139. They are controlled via Control Console, DMX Stations or RFU.

Walls

(16) 5-lamp (25W each) wall sconces, wired to Dimmer 137. They are controlled via Control Console, DMX Stations or RFU.

Aisle Lights

Controlled via light switches located in Control Booth or at the back wall of House Left.

Stage Work Lights

(2) 20A circuits, NEMA 5-20R (Edison style) receptacles. Wired into the raceways on each of the first two (2) Stage Electrics. One (1) hard-wired fixture mounted behind each pillar of old Proscenium Arch. Controlled by switches located Stage Right and Left.

Circuits

(136) 20A circuits, NEMA 5-20R (Edison style) receptacles. Two (2) Stage Electrics with raceways, circuits on 24" centers. The 3rd and 4th Electrics (located upstage of old Proscenium Arch) are moveable to any available Line Set, as the circuits are located on Loading Gallery Stage Right.

Circuit Chart

Position	Circuit No.	Number of Circuits	Number of Receptacles
2 nd Cove (FOH)	1 - 22	22	44
1 st Cove (FOH)	23 - 44	22	44
Back Wall of Balcony (FOH) (outside Control Booth)	45 - 48	4	8
Balcony Left Rail (FOH)	49 - 52	4	8
Balcony Right Rail (FOH)	53 - 56	4	8
1 st Electric	57 - 76	20	20
2 nd Electric	77 - 96	20	20
3 rd Electric (boxes located on Fly Gallery Stage Right)	97 - 112	16	32
Stage Right behind Proscenium Arch	113 - 116	4	8
Stage Left behind Proscenium Arch	117 - 120	4	8
Stage Right behind old Proscenium Arch	121 - 124	4	8
Stage Left behind old Proscenium Arch	125 - 128	4	8
Back Wall Stage Right	129 - 132	4	8
Back Wall Stage Left	133 - 136	4	8

Front of House Transfer

None currently available.

Front of House Positions

Control Booth

19'-5" above Stage, 67'-1 $\frac{3}{4}$ " from Pit Line
70'-1" throw at 13°

Balcony Rail

10'-4 $\frac{3}{4}$ " above Stage, 41'-8 $\frac{1}{4}$ " from Pit Line
43'-6" throw at 10°

2nd Cove

25'-6" above Stage, 25'-4 $\frac{1}{4}$ " from Pit Line
36'-0" throw at 40°

1st Cove

25'-6" above Stage, 9'-3 $\frac{1}{4}$ " from Pit Line
27'-5" throw at 65°

Equipment Inventory

All instruments equipped NEMA 5-15P (Edison style) plugs, color frame, C-clamp and safety cable

Front of House Instruments

NOTE: Not designated exclusively for FOH use, may be used onstage.

(16) ETC Source 4 26° ERS; 575W HPL lamp, 6¼" color frame

**** (4) available for Specials**

(24) ETC Source 4 36° ERS; 575W HPL lamp, 6¼" color frame

**** (4) available for Specials**

(4) ETC Source 4 19° ERS; 575W HPL lamp, 6¼" color frame

**** (1) available for Specials**

(4) ETC Source 4 Zoom 15-30° ERS; 575W HPL lamp, 7½" color frame

(4) ETC Source 4 Zoom 25-50° ERS; 575W HPL lamp, 7½" color frame

Stage Instruments

(24) ETC Source 4 PAR; 575W HPL lamp, 7½" color frame

(each have inter-changeable lenses – VN5P, NSP, MFL, WFL)

**** (8) available for Specials**

(6) ETC Source 4 ParNel; 575W HPL lamp, 7½" color frame

**** (2) available for Specials**

(6) L&E 6' Strip Lights; 12 lamp/3 circuit, 300W R40 lamps, 5½" x 6" color frame

**** (3) available for Specials**

Follow Spots

(2) Lycian Midget 2K Follow Spots

2000W CYX lamp, equipped with NEMA 5-20P (Edison style) plugs, located in Control Booth

NOTE: The windows in the Control Booth are actually two (2) windows, 4'-8" W x 3'-4" H. One (1) of these windows is fixed, containing two (2) panes of glass, 2'-3" W x 3'-4" H. The other window contains one (1) fixed pane, 2'-3" W x 3'-4" H and two (2) sliding panes, 1'-2" W x 3'-4" H. Only one (1) pane may be open at a time. Currently, the open pane is directly in front of the Control Console. The Follow Spots must be shot through the other 4'-8" W x 3'-4" H fixed window.

NOTE: Please note on the Technical Information Sheet whether or not personnel are needed to run the Follow Spots for your performance.

Special Effects

(1) Rosco 1500 Fog Machine

wired remote control, variable output up to 1500 cu. Feet per minute

(4) Antari X-510II Fog Machine –

wired remote control, DMX in/out; timer, variable output up to 10,000 cu. feet per minute

(1) MBT Monster Strobe ST7500

750W strobe lamp, variable speed

(1) Le Maitre Pyroflash 6-way controller

controlled via 3-pin XLR cables

(8) Pyroflash cartridge pods (2-pin)

controlled via 3-pin XLR cables, 3-pin Bulgin connectors, terminals

(4) Pyroflash angled cartridge pods (2-pin)

controlled via 3-pin Bulgin connectors

NOTE: Visiting companies must provide their own 2-pin cartridges

(1) Theatre Effects #MG02 Double Shooting Flash Gun with Flash Cotton and Flash Paper

Hardware

- (4) ETC Source 4 36° ERS Lens Tubes
- (8) City Theatrical 7½" barn doors for ETC Source 4 PAR and ParNel
- (2) GAM Film/FX gobo film rotator
 - variable speed, DMX-controllable
- (2) GAM 4/Rain Film/FX reels
- (2) GAM 5/Snow Film/FX reels
- (3) GAM size A pattern holder
- (20) GAM size B pattern holders
- Assortment Roscolux color media (gel)
 - mostly 6¼", 7½", strip light cuts
- Assorted GAM/Rosco gobos

Cable

- Cube taps
- (6) NEMA L5-20 to NEMA 5-15 cables in both configurations
 - (Twist-Lok female to Edison style male, Edison style female to Twist-Lok male)
- (6) NEMA 5-15 to Stage Pin cables in both configurations
 - (Stage Pin female to Edison style male, Edison style female to Stage Pin male)
- assorted lengths of service cables with NEMA 5-15 connectors (standard extension cords) are available.
- DMX cable – assorted lengths of 3-pin XLR cable
- (2) 3-pin to 5-pin XLR adapters in both configurations
 - (3-pin female to 5-pin male, 5-pin female to 3-pin male)

Drawings/Paperwork

- ** REFER TO DAKOTA AACTFest 2011 LIGHTING AREAS**
- ** REFER TO DAKOTA AACTFest 2011 LIGHT PLOT**
- ** REFER TO DAKOTA AACTFest 2011 CHANNEL HOOKUP**
- ** REFER TO DAKOTA AACTFest 2011 SUBMASTER LIST**

NOTE: The Lighting Areas noted on this drawing may be considered the approximate location of the "hot spots" for each Area. They will, in actuality, be focused with an "open focus." In other words, the edges of the light pools will be shuttered off the Proscenium Arch, edge of the Stage, etc., but the rest of the pool will be left open (unshuttered). Additionally, all FOH instruments will be gelled with Roscolux 119 (Light Hamburg Frost). These two things will be done to create the most blended wash on the Stage. But the actual pools of light may be larger and less defined than noted on this drawing. If your theatre needs a smaller, more defined pool in a specific Lighting Area, you may consider using a special. Contact the Festival Technical Director with any questions or concerns you may have.

SOUND

Power

120V, 100A

System Layout

**** REFER TO CAPITOL THEATRE LIGHT/SOUND SYSTEM LAYOUT**

**** REFER TO INPUT CHART, BELOW**

(28) 3-pin XLR microphone inputs

(6) 1/4" Speaker outputs; Monitor 1 (Aux 1 on Mixing Console)

(8) 1/4" Speaker outputs; Monitor 2 (Aux 2 on Mixing Console)

Input Chart

Position	Input No.	Monitor Outputs
Front of Stage (Stage Right)	1 - 2	1 - 2
Front of Stage (Center)	3 - 4	
Front of Stage (Stage Left)	5 - 6	1 - 2
Orchestra Pit (Stage Right)	7 - 8	
Orchestra Pit (Center)	9 - 10	
Orchestra Pit (Stage Left)	11 - 12	
Behind Proscenium Arch (Stage Right)	13 - 14	1 - 2
Behind Proscenium Arch (Stage Left)	15 - 16	1 - 2
Behind Old Proscenium Arch (Stage Right)	17 - 18	1 - 2
Behind Old Proscenium Arch (Stage Left)	19 - 20	1 - 2
Overhead Door to Scene Shop (Stage Right)	21 - 22	
Back Wall (Stage Right)	23	2
Back Wall (Stage Left)	24	2
Catwalk (behind Stage Right Proscenium Arch	25 - 28	

(dedicated for AKG CK 47 Hanging Microphones mounted on 1st Electric)

Control Location

Control Booth located at the rear of the Balcony (Balcony Left)

Control Consoles

(1) Allen & Heath ML3000 Mixing Console

28+6 (mono + dual stereo channels), 8 VCA's, mute groups, LCR sub-groups

(1) Mackie CFX-16 Mixing Console

12+2 (mono + stereo channels), 4-sub, built-in EFX

Hearing Assistance System

(1) Listen LT-800 Transmitter

Located in Control Booth

(16) Listen LT-500 receivers with Listen LA-164 single ear speakers

Available for checkout in the Concession Area. Drivers license or credit card required.

Monitoring/Paging System

NOTE: Entire Capitol Theatre facility is divided into four (4) zones (FOH, Backstage, Rehearsal Space, Orchestra Pit) with one (1) or more speakers located in each room. Each room has its own independent volume control. The signal level to each zone is controlled from the Mixing Console in the Control Booth. It is possible to set up a microphone, from any position on the Stage, Backstage or Control Booths via microphone jacks and cables for paging the Green Room area with this system.

Stage Monitors

Stage monitor system available. Jacks for two (2) mono auxiliary speaker sends available in various locations on Stage (see Sound System Layout above). Two (2) additional mono auxiliary sends are available by request. The Mixing Console can accommodate a total of eight (8) mono auxiliary sends. Aux Sends are currently dedicated as follows:

- | | |
|--------------------------|--|
| Aux 1 – Monitor 1 | Aux 5 – Orchestra Pit Monitor |
| Aux 2 – Monitor 2 | Aux 6 – Lexicon MPX-110 Effects Processing Unit |
| Aux 3 – AVAILABLE | Aux 7 – Listen Hearing Assistance System |
| Aux 4 – AVAILABLE | Aux 8 – Subwoofers |

House Microphone

Available by request

Amplifier Rack

Located in Light/Sound Equipment Room directly behind Control Booth

Production Communications

Telex Audiocom Intercom System

- (1) PS-2001L two (2) channel power station
- (5) Telex PH-1 wired belt packs with headsets

Locations anywhere onstage, backstage or in Control Booths are available via microphone jacks and cables. See Sound System Layout for positions.

Equipment Inventory

Microphones

Stage Microphones

- (3) AKG HM-1000 Hanging Module; (3) AKG CK 47 Hanging Microphone
hyper-cardioid pattern (mounted on 1st Electric, approximately 10'-9" above Stage deck)
- (3) Audio Technica AT 4073a Shotgun Microphone
line+gradient capacitor mics; hyper-cardioid directional pattern (floor stand mounted, removable)

Wireless Microphones

None currently available. With the FCC's recent ruling on the 700 MHz bandwidth, all of ACT's available wireless systems are now obsolete. Funds are being raised to develop, purchase and install a new wireless system. Visiting theaters are required to provide their own wireless systems. Any wireless system utilizing the 700 MHz bandwidth is not allowed.

Playback

- (1) Numark CDN-20S Dual CD Player
- (1) JVC XM-448BK Mini-Disc Recorder/Player
- (1) Teac W-860R Dual Cassette Deck

Mixing

- (1) Allen & Heath ML3000 Mixing Console
28+6 (mono + dual stereo channels), 8 VCA's (sub-groups), mute groups, LCR sub-groups
- (1) Mackie CFX-16 Mixing Console
12+2 (mono + stereo channels), 4-sub, built-in EFX

Processing

- (1) Sabine Graphi-Q 3102 Equalizer
2-channel, 12 built-in feedback filters per channel (left and right mains), internal compressor/limiter
- (1) Sabine Grapi-Q 3102S Equalizer
1-channel, 12 built-in feedback filters per channel (center main, delays), internal compressor/limiter
- (1) ART HQ-231 Equalizer
2-channel, 31-band with feedback detection circuit (monitors on Aux 1, Aux 2)
- (1) Peavey V4X Mark III Electronic Crossover (subwoofers)
- (1) Lexicon MPX-110 Effects Processing Unit
stereo, dual-channel, 24-bit internal processing, analog-digital/digital-analog conversion

Amplifiers

- (1) QSC CX-902
2-channel, 900W/4Ω per channel (left/right channels)
- (1) QSC CX-404
4-channel, 250W/8Ω per channel (delays, monitors)
- (1) QSC CX-302
2-channel, 325W/4Ω per channel (center channel)
- (1) QSC CX-204V
4-channel, 300W/70.7V per channel (zones, Orchestra Pit monitor)
- (1) QSC RMX-2450
2-channel, 650W/4Ω per channel
- (1) QSC RMX-850
2-channel, 270W/4Ω per channel
- (1) QSC USA 850
2-channel 425W/4Ω per channel (subwoofers)

Speakers

Fixed

- (3) Mackie Industrial PA-281 Loudspeakers (Mains)
- (7) Mackie Industrial MR4 Loudspeakers (Delays)
- (2) JBL 4645 18" Subwoofers
- (12) Yorkville C120/70 Loudspeakers (Zones)
- (14) Yorkville WM5T Loudspeakers (Zones)

Portable

- (2) Yorkville Y-112M Monitor Wedge Speakers
- (2) Electro-Voice Sx-300 Loudspeakers

Hearing Assistance System

NOTE: See description on page 16.

- (1) Listen LT-800 Hearing Assistance Transmitter
- (1) Listen LA-122 Hearing Assistance Universal Antenna
- (16) LR-500 Hearing Assistance Receiver
- (16) Listen LA-164 Hearing Assistance Single Ear Speaker
- (2) Listen LA-321 8-unit chargers

Communication

- (1) Telex PS-2001L 2-channel Headset Power Station
- (5) Telex PH-1 Headset

Power Distribution

- (1) ETA PD-8L Front-of-House Rack Power Relay
- (1) Middle Atlantic USC-6R Sound System Power Relay

Cable

- (1) 100'-0" Rapco 24-channel, 4-return snake
- (3) Rapco DB-100 passive direct box
- (4) Rapco DBBLOX passive direct boxes

Various 3-pin XLR LO-Z microphone, ¼" HI-Z instrument, RCA, ¼" Speaker cables and adapters are available

Microphone Stands

- (2) Apex tripod boom stand (1 black, 1 silver)
- (2) Atlas round-base stand (silver)
- (3) Apex small round base stand (silver)

Speaker Stands

- (2) Yorkville telescoping tripod speaker stands (black)

FILM, VIDEO, PROJECTION EQUIPMENT

Power

120V, 100A

System Layout

** MORE INFORMATION TO COME

35mm

Strong Ballantyne Pro-35 35mm Projector
Strong Super Lume-X Xenon Lamphouse
Strong Xenon Power Supply
Strong Ballantyne Model VII 35mm Optical Soundhead
Strong SPA-7 Automation Controller
Strong AP-3 Auto Programming Platter
Strong Table 35mm Film Makeup Table

Digital

** MORE INFORMATION TO COME

(1) DVD player
Projector – none currently available
(1) 50' S-Video cable
(1) 50' Coaxial Component Video cable with RCA/BNC connectors

Screen

(1) 28'-0" W x 20'-0" H Front Projection Screen
** REFER TO CAPITOL THEATRE RIGGING PLOT

Sound System

Playback

(1) CD Player

Mixing

(1) Alto L-6 6-channel mixer with built-in digital effects

Processing

Ultra-Stereo JS-5/95 35mm Sound Processor
Ultra-Stereo JS-200 35mm Sound Processor

** MORE INFORMATION TO COME

Amplifiers

** MORE INFORMATION TO COME

(1) QSC
2-channel, 900W/4Ω per channel (center channel)
(1) QSC
4-channel, 250W/8Ω per channel (surround channels)
(1) QSC
2-channel, 325W/4Ω per channel (surround channels)
(1) QSC
4-channel, 300W/70.7V per channel (subwoofer channels)
(1) QSC RMX-2450
2-channel, 650W/4Ω per channel (left & right channels)
(1) QSC RMX-850
2-channel, 270W/4Ω per channel
(1) QSC USA 850
2-channel 425W/4Ω per channel (subwoofers)

Speakers

**** MORE INFORMATION TO COME**

Fixed

Information to come

(2) JBL 4645 18" Subwoofers

Portable

(2) Electro-Voice Sx-300 Loudspeakers

Hearing Assistance System

(1) Listen LT-800 Transmitter

Located in Control Booth

(16) Listen LT-500 receivers with Listen LA-164 single ear speakers

Available for checkout in the Concession Area. Drivers license or credit card required.

Control Location

Projection Booth located behind the Balcony

PROPS

Orchestra Pit

See description on page 8.

Music

Chairs

Several chairs, folding and non-folding, various styles

Music Stands

(8) Wenger music stands, gray
(17) Wenger music stands, black

Stand Lights

None currently available.

Conductor's Podium

None currently available.

Orchestra Shell

None currently available.

Platforms

(12) 4'-0" W x 8'-0" L platforms constructed of 2" x 4" lumber frames and ¾" plywood
(4) 4'-0" W x 4'-0" L platforms constructed of 2" x 4" lumber frames and ¾" plywood
Other platforms of various sizes, constructed of 2" x 4" lumber frames and ¾" plywood

Dance Floor

None currently available.

Lecterns

(1) Lectern 1'-7" wide x 2'-1" deep x 4'-0" high, includes one (1) XLR gooseneck, timer and light

WARDROBE

Dressing Rooms

Two (2) Dressing Rooms equipped with two (2) sinks and lighted mirrors. They are located in the northeast wing of the facility, beyond the Stage Right Wing and Scene Shop. They are adjacent to the Makeup/Wardrobe and Prop/Green Rooms. There is one (1) 9" step up into the Scene Shop, which is on the same level as the Stage. Each is equipped with its own restroom with two (2) stools and/or urinals (one handicapped-accessible) and a shower.

Wardrobe Area

Makeup/Wardrobe Room adjacent to Prop/Green Room and Dressing Rooms. It is located in the northeast wing of the facility, beyond the Stage Right Wing and Scene Shop. There is one (1) 9" step up into the Scene Shop, which is on the same level as the Stage. The Costume Shop is located in the Basement via steps in Scene Shop. The Costume Shop is equipped with sewing machines, various sewing equipment, irons, ironing boards and clothes steamer.

Green Room

The Prop/Green Room is located in the northeast wing of the facility. It is beyond the Stage Right Wing and Scene Shop. It is adjacent to the Dressing and Makeup/Wardrobe Rooms. There is one (1) 9" step up into the Scene Shop, which is on the same level as the Stage. It is equipped with refrigerator, stove, dishwasher and microwave.

Sewing Machines

- (2) Brother XL-3010 sewing machines
- (1) Kenmore Model 158.19411 sewing machine
- (1) Singer Millennium Series serger sewing machine
- (1) New Home Model 203 serger sewing machine
- (1) Protégé BabyLock serger sewing machine

Irons/Ironing Boards

- (2) Irons and ironing boards are available

Steamers

- (1) Portable clothes steamer is available

Washers/Dryers

Clothes washer and dryer (for costume cleaning only) located in Makeup/Wardrobe Room

Racks/Hangers

- (2) Rolling garment racks are available
- (1) Mobile (but not rolling) garment racks is available

Quick-Change Booths

None currently available. The Scene Shop, immediately adjacent to the Stage Right Wing, is often used as a quick-change area, as is Light/Sound Equipment Room, immediately adjacent to the Stage Left wing. 4'-0" wide x 8'-0" high flats (1/4" plywood over 1" x 6" OR 2" x 4" frames) have been set up as quick-change booths if necessary. Arrangements to construct quick-change booths should be made with the Technical Director.