

Technical Specifications
Sami Bedell Performing Arts Center
612 28th st.
Spirit Lake, Iowa 51360
www.samicenter.org

Contact Information

Technical Director
Gary Heady Jr.
(712) 336-3707 ext. 6200 Work
(712) 331-1707 Cell
E-mail gheady@spirit-lake.k12.ia.us

Loading Dock

Stage access is via loading dock located beyond scene shop upstage left.
Loading dock door is 8'-0" wide x 10'-0" tall overhead sectional door **at ground level**.
Scene shop door is 8'-0" wide x 14'-0" tall overhead coiling door.
Stage door is 8'-0" wide x 18'-0" tall overhead coiling door.

Stage Dimensions

Proscenium Opening 50'-0" x 24'-0"
Stage Depth 40'-0" Plaster Line to Upstage Wall
4'-10" Plaster Line to Downstage Edge of Apron
12'-10" Plaster Line to Downstage Edge of Orchestra Pit
0'-6" Depth of Smoke Pocket
Stage Width 50'-0" Center Line to Stage Left Wall
42'-10" Center Line to Stage Left Pinrail Gallery
47'-0" Center Line to Stage Right Lock Rail
40'-0" Center Line to Stage Right Pinrail Gallery
Stage Height 57'-6" Stage Floor to Bottom of Gridiron
25'-6" Stage Floor to Bottom of Stage Left Pinrail Gallery
26'-0" Stage Floor to Bottom of Stage Right Pinrail Gallery
-2'-6" Stage Floor to Auditorium Floor Nearest Apron
-8'-0" Stage Floor to Orchestra Pit Performance Level

Stage Floor

Stage floor is resilient (sprung) on neoprene pads, 2x4 sleepers, (2) layers of ¾" plywood, and ¼" hardboard top surface painted flat black. Verify owner policy before anchoring to stage floor.

Stage Rigging

Manual counterweight rigging system – single purchased
(30) linesets total – 8" and 16" typical spacing (refer to lineset schedule)
Operation from lock rail at stage floor level stage right
66'-0" long pipe battens – 1-1/2" inside diameter Schedule 40 steel pipe (1.9" outside diameter)
(7) lift lines per pipe batten – 10'-0" lift line spacing
Lift lines attached to pipe battens with trim chains and shackles
Low trim +4'-0" above stage

High trim +57'-0" above stage (general purpose linesets)
+49'-0" above stage (electrics and orchestra shell ceilings)
1500 pound lineset capacity (general purpose linesets)
2000 pound lineset capacity (lighting electrics)
2300 pound lineset capacity (orchestra shell ceilings)
39,000 pounds of counterweight available – 6" wide weights

Lineset Schedule (all dimensions measured from plaster line at upstage side of proscenium wall):

Line #01 +0'-8" Front valence curtain
Line #02 +1'-4" Front traveler curtain
Line #03 +2'-8" Electric #1 (circuits 1-24, work light 195)
Line #04 +4'-0" General purpose
Line #05 +4'-8" Border curtain #1
Line #06 +5'-4" Leg curtains #1
Line #07 +6'-8" Orchestra shell ceiling #1
Line #08 +8'-0" General purpose or projection screen
Line #09 +9'-4" Border curtain #2
Line #10 +10'-0" Leg curtains #2
Line #11 +10'-8" General purpose
Line #12 +12'-0" Electric #2 (circuits 25-44)
Line #13 +13'-4" General purpose
Line #14 +14'-8" Border curtain #3
Line #15 +15'-4" Midstage traveler curtain
Line #16 +16'-8" Orchestra shell ceiling #2
Line #17 +18'-8" General purpose
Line #18 +20'-0" General purpose
Line #19 +21'-4" Border curtain #4
Line #20 +22'-0" Leg curtains #3
Line #21 +23'-4" Electric #3 (circuits 45-64, work light 196)
Line #22 +25'-4" General purpose or black scrim
Line #23 +26'-8" Orchestra shell ceiling #3
Line #24 +29'-4" Border curtain #5
Line #25 +30'-0" Upstage traveler curtain
Line #26 +31'-4" General purpose
Line #27 +32'-8" Electric #4 (circuits 65-84)
Line #28 +34'-8" General purpose
Line #29 +36'-8" General purpose
Line #30 +38'-8" General purpose or canvas backdrop
(24) 8-inch diameter rope spot blocks available for upright installation on gridiron

Theatrical Power / Lighting

Production Power

(1) 400AMP 3-phase 208V Disconnect Switch – Located on upstage left wall
(1) 200AMP 3-phase 208V Disconnect Switch – Audio Isolated – Located on proscenium wall left

Theatrical Dimming

ETC Sensor+ dimmer racks

(170) 2.4kw stage lighting dimmers (circuits 1-194) Note: 24 dimmer spaces are empty

(22) 2.4kw house and work lighting dimmers (circuits 195-216)

(8) 20AMP lobby lighting relays (circuits 217-224)

(8) 20AMP work lighting relays (circuits 225-232)

Theatrical Lighting Control

ETC Expression 3/800 channels with (2) LCD monitors

DMX and Ethernet system with receptacles at (12) locations throughout theatre

House lighting controlled by ETC Unison system or through console

Theatrical Lighting Fixtures

(8) ETC Source Four ellipsoidals – 50 degree (575w)

(20) ETC Source Four ellipsoidals – 36 degree (575w)

(20) ETC Source Four ellipsoidals – 26 degree (575w)

(12) ETC Source Four ellipsoidals – 19 degree (575w)

(30) ETC Source Four Pars – set of four lenses (575w)

(20) Altman 6-inch fresnels (750w)

(6) Altman 3-cell cyclorama lights (500w)

(9) Altman work lights (500w)

(2) Lycian Midget HP follow spots (575w HMI)

Theatrical Lighting Cable and Accessories

(10) 5'-0" stage pin cable

(10) 10'-0" stage pin cable

(6) 25'-0" stage pin cable

(4) 50'-0" stage pin cable

(2) 100'-0" stage pin cable

(10) stage pin two-fers

(2) male Edison to female stage pin adapters

(2) male stage pin to female Edison adapters

(10) template holders

(6) donuts

(10) top hats for ellipsoidals

(20) barn doors for fresnels

(24) single-T sidearms

(4) boom bases

(4) boom pipes with tie-off rings

(2) 10'-0" DMX cable

(1) 25'-0" DMX cable

(1) 50'-0" DMX cable

Audio/Video System

See attached A/V spec

Black Box Theater

Multipurpose rehearsal, dressing, and overflow room with full wall length mirrors. Room is equipped with separate sound and light system, video projector and screen. Also is main stage patch and recording capable.

Dressing Rooms

Makeup room

- Equipped for 30
- Unisex makeup Area with lights and sink
- Separate Men's and Women's restrooms each with their own shower, multiple toilet restrooms, and dressing areas with storage for costumes and street clothes
- TV monitor showing stage
- Tile floor

Green Room

- Star performer dressing room
- Has private restroom and shower
- Gathering place for small casts before the show begins
- TV Monitor showing stage
- Furnished with couch, chair, tables, small refrigerator

Catering Kitchen

Catering kitchen with serving window and sink