Escher Auditorium
Benedicta Arts Center

TECHNICAL SPECIFICATIONS

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DIRECTIONS TO THE BENEDICTA ARTS CENTER

From the Minneapolis/St. Paul Area and points east:

- Take I-94 West to St. Joseph, approximately 65 miles, exit #160, County Road 2.
- Turn right on County Road 2 into St. Joseph.
- Turn right on College Avenue - 2nd stop sign.
- Turn right into Saint Benedict's entrance (1/2 Mile)
- The entrance road continues to a circle in directly in front of the BAC
- Parking arrangements can be made upon arrival.

From the Minneapolis/St. Paul airport

- Take MN#5 West to I-494 West.
- Take I-494 West to I-94 West approximately 25 miles.
- Follow directions above.

From St. Cloud

Division Street is the primary thoroughfare in St. Cloud. Most restaurants and hotels are on or near it.

- Take Division Street (County Road 75) west to St. Joseph.
- Turn left onto College Avenue
- Go through four-way stop sign.
- Turn right into the Saint Benedict’s entrance
- The entrance road continues to a circle in directly in front of the BAC
- Parking arrangements can be made upon arrival.

From St. Cloud Regional Airport

- Go northwest on County Road 65/45th Ave SE toward 12th St. SE (County Road 65/45th Ave. SE becomes 12th St. SE)
- Turn right onto US Highway 10 West
- Merge onto Minnesota Hwy 23 West toward St. Cloud. Please note, as of March ’08, the Desota Bridge on Hwy 23, which crosses the Mississippi River, is closed. Please follow the detour signs as they will direct you across the river and back to Hwy 23 (Hwy 23 West becomes County Road 75 N)
- Follow directions above.
PLEASE NOTE

The Escher Auditorium is part of the Benedicta Arts Center which means that the inventory of equipment is shared between multiple performance spaces. Some equipment may not be available in quantities indicated below for every performance. Please check with FAP Production Manager to verify any needs your performance may have. Additionally the Gorecki Family Theater and Escher Auditorium share a common Stage house (Fly-loft) separated by a 20 ton electrically operated sound door, located upstage of the Escher Proscenium opening.

MANAGEMENT

Production Room: None Available

Green Room: located across the hall from dressing rooms down one flight of stairs from stage.

Stage Manager’s Console: Located on stage right at proscenium, 2 channel production communication system (Clear-Com)

Rehearsal Rooms: Available upon Request

Crews: Paid student staff.

Handicapped Access:

Policies: House opens 1/2 hour prior to curtain. Normal curtain is 7:30pm. Building is a smoke free environment.

LOAD-IN AREA

Dimensions: Dock height is 3’-3” and 12’-0” wide. One truck can be accommodated at a time. Loading door (garage door),10’-8” high x 9’-3” wide, opens to inner dock area (29’-0” x 30’-0”) which leads to a hallway (7’-6” wide x 50’-0” long). This leads to stage doors 9’-2” high x 6’-10” wide. Flattage should be sized appropriately. Scene shop is to the left of loading dock.
CARPENTRY

Seating: *Escher Auditorium*—776 permanent seats on the main floor with 104 in each of the two balconies. Can add 64 temporary seats on orchestra pit at house level if desired.

Stage Dimensions:
- **Proscenium:** 50'-0" wide x 24'-0" high. Stage depth =35'-0". Apron=11'-0".
- **Wing Space:** Stage Right = 23'-6" X 33'-10" / Stage Left =19'-6" X 33’-10”.
- **Grid Height:** 54'-0"
- **Orchestra Pit (Apron):** Upstage Lift = 46'-5” x 12'-5” / Downstage Lift = 50’-8” x 14’-5”
- **Stage Height:** 3’-5” above house floor.

Stage Floor: (Stagehouse) Robbins Bio-Cushion II with red oak. Red oak is painted black using an enhanced Pratt & Lambert Gold formula and is in perfect condition. *Vario* portable dance flooring is also available in black.

House Draperies (Goods):
- **House Curtain:** Pewter IFR Charisma Velour Main Curtain on Lineset 1. Operation is manual. (draw or fly)
- **Legs:** Five sets of black velour legs at 27’ high x 12’ wide, w/50% fullness.
- **Borders:** Five black IFR Charisma velour borders at 12’ high x 60’ wide, w/50% fullness.
- **Full Stage:** Four black IFR Charisma velour travelers at 28’ high x 63’ wide, w/fullness. These goods are permanently rigged.
- **Scrim:** One black, IFR sharks tooth scrim at 26’ high x 60’ wide.
- **Cyclorama:** One FR seamless white muslin Cyc at 26’ high x 60’ wide.

Line Set Data:
- **Line Plot:** See Appendix A
- **Working height of battens:** High trim on all but electrics is 48’-7” above the deck. High trim on electrics is 43’-7”. Low trim on all lines is 4’-10” above the deck.
- **Battens:** 31 - 55’-0” battens, 1 1/2” schedule 40 pipe, 5 lift lines.
- **Type:** All lines are single purchase, T-Track counterweight.
- **Arbor capacity:** 1,500 lbs. (evenly distributed) per pipe.
- **Available weight:**
- **Loading gallery:** Located on stage right at 46’-0” above the deck.
- **Locking rail:** Stage right at deck level.
Support Areas:

Crossover: Hallway one level below stage level accessed by stairs leading to the dressing rooms on either side of the stage.

Access: From front of house located both house left and right through a 6’-2” wide door. Dressing rooms and green room are located upstage down one flight of stairs.

Shop Area: Located stage right through a doorway 9’-8” wide x 9’-2” tall. All major woodworking tools available, as well as welding equipment (MIG, TIG, oxy/acetylene, plasma cutter).

Storage: Inner loading dock area (29’-0” x 17’-0”), shop, and Forum house floor. (297 seat theater upstage of Stagehouse.)

LIGHTING

Power: 120/208; 3 phase, 400A/leg. Located on stage right wall.
120/208; 3 phase, 400A/leg. Located on stage right wall

Dimmers: 320 ETC Sensor 2.4Kw dimmers.
48 Strand CD80 2.4Kw dimmers portable rack –w- 6 circuit socapex outputs (available in stage house only)

Control: ETC Emphasis Control System, fully networked w/Obsession II. Expression 3 Face Panel also available. Each board has RFU and WRFU.

Houselights: ETC Unison Control for house, aisle and worklights. Portable LCD control panel in control booth.

Circuits: FOH has 72 circuits. / Stagehouse has 159 circuits.

   All circuits are 2.4kw and the Stagehouse has 5 electrics, a torm strip on each side of the proscenium US & DS, and 4 floor pockets on each side of the stage.


Front of House Transfer: None available

Front of House Positions:

1st catwalk, 49’ throw at 36º
2nd catwalk, 46’ throw at 41º
Box booms, 25’ throw at 35º

Notes: -FOH lighting position can only be focused straight on, due to acoustical clouds.
LIGHTING cont.

Equipment Inventory:

Front of House Instruments:
50 ETC “Source Four” 19º ERS, 575w, 2P&G.
Color cut size is 6” throughout.

Stage Instruments:
96 ETC “Source Four” 26º ERS, 575w, 2P&G.
69 ETC “Source Four” 36º ERS, 575w, 2P&G.
8 ETC “Source Four” 50º ERS, 575w, 2P&G.
48 ETC “PARNel, 575w, 2P&G.
31 ETC “Source Four PAR, 575w, 2P&G
26 Altman PAR 64, 1kw, Wide, 2P&G.

Stage Instruments Cont’d.
24 Strand 8” Fresnels, 1000w, 2P&G.
21 Strand 6” Fresnels, 750w, 2P&G.
41 Altman 6” Fresnels, 750w, 2P&G.
16 L & E 3-Bay Cyc 1kw, 2P&G.
1 Strand Ianiro 1-bay Cyc Light, 1.5kw, 2P&G.

Color cut size for ETC units is 6” square.
8” units is 10” square.
6” units is 7-1/2” square.
Cyc Lights is 12” X 16”

Follow spots: 2 Lycian 1209 H.P. HMI Located at house right and left of Auditorium

Hardware: 12-6” barn doors, 7-8” barn doors, 70-18” side arms, 8-12’ booms w/50# bases, 47-ETC Pattern holders; 4-ETC Iris Kits.

Cable: 1200 feet in 5’s, 10’s, 25’s, 35’s and 50’s. #12 & #14 gauge SJO, 2P&G, 38 two-fers, 4 three-fers. A variety of adapters available, 2P&G to edison M & F.

-Overhead focusing is done with a JLG 2630 electric scissors lift. All manufacturers requirements will be adhered to when using the lift.
Lift can be driven while elevated.
Power: 120/208; 3 phase, 200A/leg. Located on stage right wall.

Control Locations: booth location at back of house; *house mix position (7'-8" x 3'-3") is at center of auditorium in the back of the house under a short balcony overhang.*

Hearing Assist System: Listen Technologies FM auditory assistance system, with 7 receivers available.

Monitoring/Paging System: Dressing rooms and green room accessed from sound booth in the back of the house. Program input possible.

Production Communications: Clear-Com, 2 channel wired base; Clear-Com wireless base w/4 wireless beltpacks, 15 headsets, 8 wired beltpacks, with station location as follows: 1- SL @ Fly Rail, 1- HR & HL in follow spot booths, 1- in sound booth, 1- in light booth, 1- front of stage, 1- located on back of each proscenium wall (4 total).

Microphones: Four (4) Shure SM57 dynamic. Two (2) Shure SM58. Two (2) Shure (wireless) SM58 Handheld, Two (2) Shure (wireless) Lavalier. Three (3) Crown PCC 160 (Phase Coherent Cardioid)

Playback:
- Denon DN-C630 stereo CD player w/pitch control.
  Denon DN-600F stereo CD player w/pitch control.

Amplifiers: Stage Monitor Amplifiers-- two (2) Crown Macro-Tech 600, 300 watts per channel, two (2) Crown CTS 2000, 1000 watts per channel, located on stage.

Cable: 8- 25’ three pin XLR male to female. 8-50’ three pin XLR male to female. Variety of adapters available.

Equipment Inventory Escher Auditorium:
Mixing Consoles: 1- Allen&Heath ML3000-48 –w- RPSD 2 Auto-Switching PSU Monitor. 15 buss live sound VCA console, 4 Audio Groups, 8 VCA Groups, 8 Auxiliary Sends, LCRplus Panning, 8x4 Matrix, 8 Groups, 4 Band EQ, 2 Dual Stereo Channels, ML Mic Pre with swept HPF , Balanced XLR plus Inserts

Fixed Speakers: Two (2) MEYER Line Array ribbons. Each ribbon contains four (4) Meyer Milo High Power Curvilinear Loudspeakers, and six (6) Meyer M2D Compact Curvilinear Array Loudspeakers. 20 Hz to 20 kHz through system.

Orchestra fills / Portable seating fills: 2 Meyer UPA-1P Infill Speakers mounted on permanent orchestra shelves.

Monitor Speakers: Four (4) JBL TR105 wedge monitors, 225 Watts w/ 60 Hz to 20 kHz freq. response.
PROPS

Orchestra Pit: Downstage lift-- 50’-8” wide x 14’-5” deep @ center line. Four predetermined levels {0’ stage level}, {3’-6” house level}, {6’-0” pit level}, {-12’-6” basement level}. Upstage lift-- 46’-5” wide x 12’-5” deep @ center line. Five predetermined levels with all being the same as above with the fifth one being at -21’-0”.

Music:

Stands: 40 Wenger model 18 black. No conductor’s stand.

Stand lights: 3 - 120v non-dimmable.

Orchestra Shell: None available.

Platforms: 12’-4” x 8’ Wenger “Versalite” with 8”, 16”, 24”, 32” legs, flat black, hard board surface.

Dance Floor: 50’-0” w x 35’-0” d, black, Vario portable flooring available. Black gaffers tape only.

LECTERN:

WARDROBE

Dressing Rooms: Two (2) make-up rooms with lighted mirrors, counter space and chairs for 15 people each. Both are adjoined by shower rooms with direct access to the Costume Shop. Each shower room contains two shower stalls, two lavatories, two sinks and a full-length mirror. The Guest Dressing Room has two lighted mirrors, counter space, two small cabinets, and a restroom with sink, lavatory and shower.

Dressing rooms are located one level below the stage with direct access to either stage right or stage left.

Wardrobe Area: Adjacent to dressing rooms.

Irons: 2 industrial steam.

Ironing boards: 2

Steamers: 1 portable.

Washers/Dryers: 1 set; Whirlpool, no fee.

Racks and hangers: 4 rolling clothes racks available.

Quick Change Booths: As requested.
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<tr>
<th>LINE SET #</th>
<th>DESCRIPTION</th>
<th>DIST. FROM PLASTER</th>
<th>TRIM HEIGHT</th>
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<tbody>
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<td>Escher Aud. Main Curtain</td>
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<td>2'-6&quot;</td>
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<td>3</td>
<td>1st Electric - (24 circuits)</td>
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<td>Traveler</td>
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NOTES:
- Grid height is at 24'-0" from the stage floor.
- Maximum pipe trim tops out at 48'-7" from the stage floor. Due to the acoustical clouds below the catwalks, the only focus position is straight on.

GRID HEIGHT IS AT 54'-0" FROM THE STAGE FLOOR.
MAXIMUM PIPE TRIM TOPS OUT AT 48'-7" FROM THE STAGE FLOOR. DUE TO THE ACOUSTICAL CLOUDS BELOW THE CATWALKS, THE ONLY FOCUS POSITION IS STRAIGHT ON.
THE FOUR CENTER FLOOR POCKETS ARE AVAILABLE ON A LIMITED BASIS.