



COLLEGE OF
Saint Benedict

Escher Auditorium

Benedicta Arts Center

TECHNICAL SPECIFICATIONS

Adam j Dahl - Production Manager

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FINE ARTS PROGRAMMING

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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 onto County Road 2 into St. Joseph.
- Turn right onto W Minnesota St.
- Turn right onto 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

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. (Hwy 23 West becomes County Road 75 N)
- Follow directions above.

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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

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

Stage Manager's Console: Located stage right at proscenium, 2 channel Clear Com system.

Rehearsal Rooms: Available upon Request

Crews: Paid student staff.

Handicap Accessible: Stage and dressing rooms accessible via elevator, Booth and catwalks via staircase.

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

Tech Table: Four (4) available upon request.

LOAD-IN AREA

Dock: 3'-2" tall x 13'-6" wide. One truck can be accommodated at a time.

Outer dock area: Ceiling at 9'-6" (12'-8" from pavement) x 14'-0" wide x 24'-1" deep.

Loading door (roll-up garage door): 10'-8" wide x 9'-3" high,

Inner dock area: 29'-0" x 30'-0" leads to stage via hallway 6'-6" wide x 8'-10" tall x 50'-0" long.

All items should be sized appropriately.

53' trailers with a standard cab will fit, however tractor must unhook while not backing in/out.

Parking available for busses & additional trucks within 500 yards of dock.

No shore power.

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CARPENTRY

Seating: *Escher Auditorium*--776 permanent seats on the main floor with 104 in each of the two balconies. Can add up to 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". Spiral staircase DSL

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 painted black. *Gerriets Vario* portable marley dance flooring is available, reversible black/grey.

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 26' high x 62' wide, w/fullness. These goods are permanently rigged.
- **Scrim:** One black, IFR sharks tooth scrim at 30' 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'-5" above the deck. High trim on electrics is 43'. Low trim on all lines is 4'10" above the deck.
- **Battens:** 31 - 60'-1" double battens, 1'4" center to center, 1 1/2" schedule 40 pipe, 5 lift lines.
- **Type:** All lines are single purchase, T-Track counterweight.
- **Batten capacity:** 1,100 lbs. (evenly distributed) per pipe.
- **Loading gallery:** Located on stage left at 46'-0" above the deck.
- **Locking rail:** Stage left at deck level.
- **Available weight:** 9000 lbs

CARPENTRY cont.

Support Areas:

Crossover: Hallway one level below stage level accessed by stairs leading to the dressing rooms USL and USR

FOH Access: Hallway on either side of house, down small flight of stairs. Alternate routes available.

Lower Level Access: dressing rooms, green room and wardrobe are accessed by stairways USL and USR, Orchestra pit elevator for large items.

Storage: Inner loading dock area (29'-0" x 17'-0"), shop, and Gorecki Family Theater house floor.

Shop Area: Located stage right through a doorway 9'-8" wide x 9'-2" tall.

Basic tools available upon request

Power

Two 400 amp Company Switches available - 120/208; 3 phase, 400A/leg. Located on stage right wall.

One 200 amp Company Switch Available - 120/208; 3 phase, 200A/leg. Located on stage right wall.

Only 800 amp draw can be used simultaneously.

Company switches located Stage Right

LIGHTING

Dimmers: 320 ETC Sensor 2.4Kw dimmers.

Control: ETC Gio – with 40 fader wing and iPad remote.

Houselights: ETC Unison Control for house and worklights.

Circuits: FOH has 62 circuits. / Stagehouse has 167 circuits. All circuits are 2.4kw and the Stagehouse has 5 electrics, a torm strip on each side of the proscenium US & DS, and 2 floor pockets on each side of the stage. Extra circuits available upstage of stage house in adjoining theater.

Front of House Transfer: None available

Front of House Positions:

1st catwalk, 49' throw at 36°

2nd catwalk, 46' throw at 41°

Box booms, 25' throw at 35°

Spotlights, 60' throw at 40 °

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Please Note: FOH lighting position can only be focused straight on, due to acoustical clouds.

LIGHTING cont.

Equipment Inventory:

56 ETC "Source Four" 19° ERS, 575w, 2P&G.
105 ETC "Source Four" 26° ERS, 575w, 2P&G.
74 ETC "Source Four" 36° ERS, 575w, 2P&G.
12 ETC "Source Four" 50° ERS, 575w, 2P&G.
48 ETC "PARNel, 575w, 2P&G.
40 ETC "Source Four PAR, 575w, 2P&G
19 ETC "Source Four" Luster2 with 36° EDLT
8 ETC "Source Four" Luster2 with Cyc adapter
6 ETC "Source four" Zoom
28 Altman PAR 64, 1kw, Wide, 2P&G.
24 Strand 8" Fresnels, 1000w, 2P&G.
19 Strand 6" Fresnels, 750w, 2P&G.
16 L & E 3-Bay Cyc 1kw, 2P&G.
10 Multiform HP3-90 LED wash fixtures
6 ETC "Source Four" Luster Fresnel Adapters.

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 Strong IChip Mirage LT. Located at house right and left of Auditorium. 60' throw at 40°

Hardware: 14-6" barn doors, 17-8" barn doors, 70-18" side arms, 4 safer side arms, 40 ETC Pattern holders; 7-ETC Iris Kits, 30 source 4 top hats, 6 donuts, 20 floor plates, 14-50# bases for 8,10,12,16 or 20' boom pipes.

Cable: All lights and cable have stagepin connectors. 1500 feet in 5's, 10's, 25's, and 50's, 42 two-fers, 16 three-fers. A variety of adapters available, stagepin to edison M & F. 700 feet of socapex, break in's and out's.

-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.

SOUND

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

Volume: 92db Peak limit is strongly enforced.

Hearing Assist System: Listen Technologies IR auditory assistance system, with 36 receivers available.

Monitor System: No

Production Communications: Clear-Com, 2 channel wired base, 18 headsets, 10 wired belt packs, with station location as follows: 3- SM console SR, 1- SL @ Fly Rail, 1- HR & HL in follow spot booths, 2- in sound booth, 2- in light booth, 1- located on back of each proscenium wall (4 total).

Microphones: 3 Shure SM57 dynamic. 4 Shure SM58. 6 AudioTechnica AEW-T4100 wireless handheld, 8 AudioTechnica AEW-Y1000 lavalieres (headset mics available upon request). 5 Crown PCC 160 (Phase Coherent Cardioid) 3 black 2 white, 2 AKG C214's, 3 AKG C1000, 1 AKG Rhythm Pack (drum mic package), 1 Shure Beta 52A

Playback:

- Denon DN-C620 stereo CD player.
- Tascam CD-200SB stereo CD player.

Cable: 1000' three pin XLR male to female. 500' speakon, 1 12/4 50' snake, 1 24/8 250' snake. Variety of adapters available.

Stands: 12 straight stands, 14 boom stands, 2 mini boom stands, 4 table top stands

Mixing Console: Yamaha CL5 with RIO32-24 & RIO16-08 racks.

Sound Processing: One (1) Galileo 616 located on the catwalk level with PC remote at mixing console.

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. Two (2) Meyer 700 HP subwoofers. 20 Hz to 20 kHz through system.

Orchestra fills / Portable seating fills: 2 Meyer UPJ-1P and 2 Meyer UP Junior Speakers mounted on permanent orchestra shelves. 2 UPM-1P speakers located on apron.

Monitor Speakers: Four (4) JBL TR105 wedge monitors, 225 Watts w/ 60 Hz to 20 kHz freq. response.
Four (4) JBL PRX612M active speakers available upon request
Six (6) UPA-1P active speakers available upon request

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PROPS

Orchestra Pit: Downstage lift-- 50'-8" wide x 14'-5" deep @ center line. Weight Capacity @ 10,000lbs. **Upstage lift--** 46'-5" wide x 12'-5" deep @ center line. Weight Capacity @ 8,000lbs. Pit doors are 6'1" below stage level, 2'7" below house level. Lifts can be operated independently and are able to be set at any distance stage level to pit level.

Chairs: 100 Wenger Musician chairs. Black, padded.

Stands: 40 Wenger model 18 black.

Conductor: Conductor podium and stand available upon request.

Stand lights: 40 - 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, *Gerriets Vario* portable flooring available, reversible black/gray. Black gaffers tape only.

Lecterns: Two (2) non-adjustable mahogany.

WARDROBE

Dressing Rooms: Two (2) openly adjoined make-up rooms with lighted mirrors, counter space and chairs for 15 people each. Each area has separate lavatory, shower and changing rooms with direct access to the Costume Shop. Each shower rooms contain two shower stalls, two toilets, two sinks and a full-length mirror.

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. Access requires advanced notice.

Irons: 2 industrial steam.

Ironing boards: 2

Steamers: 1 portable.

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

Racks and hangers: 4 rolling "Z" racks available.

Quick Change Booths: As requested.

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Appendix A

LINE SET #	DESCRIPTION	DIST. FROM PLASTER	TRIM HEIGHT
1	Escher Aud. Main Curtain	1'-7 ½"	
2		2'-5"	
3	1st Electric - (24 circuits)	3'-4"	
4		4'-6"	
5		5'- ½"	
6	Traveler (fixed location)	5'-6"	
7		6'- ½"	
8		6'-6"	
9		7'	
10		7'-9"	
11		8'-6"	
12	2nd Electric - (25 circuits)	9'-9 ½"	
13		11'- ½"	
14	Traveler (fixed location)	11'-10"	
15		12'-6"	
16		13'-9"	
17		14'-3 ½"	
18		15'-5"	
19	3rd Electric - (20 circuits)	17'- ½"	
20	Traveler (fixed location)	18'-7"	
21		19'-9"	
22		21'-4"	
23		21'-9.5"	
24		22'-9"	
25	4th Electric - (24 circuits)	24'-8"	
26		25'-10"	
27		26'-2 ½"	
28		26'-7"	
29		27'	
30		27'-5"	
31		27'-10"	
32	Traveler (fixed location)	28'-6"	
33	5th Electric - (20 circuits)	29'-11"	
34		31'-3"	
35		31'-10"	