

The Martha Rivers Ingram Center for the Performing Arts Technical Specifications

Location

Vanderbilt University
Blair School of Music
2400 Blakemore Ave.
Nashville, TN 37212-3499

Contact Information for Ingram Center for the Performing Arts

Technical Director

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Booking and rental information

Same as above

Box Office

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Labor:

Non-union stagehands with trained and supervised students.

Directions

From Interstate 440, take West End exit heading east on West End Ave. Turn right on Blakemore Ave. Turn left at the third light (24th Ave.) The loading dock will be on your immediate left. Go to the four way stop. The parking entrance is to your left. If you are backing a truck into the dock, you will need to use the marked exit.

Load in

Loading dock is at the east end of the building. It is 3'-1 1/2" high and 7'-0" wide. It will accommodate one tractor trailer. Load-in through 9'-5" wide by 11'-10" high double elephant doors emptying onto stage right. Equipment passes through carpentry shop to get to stage.

Storage: Trap room accessible via elevator
 Carpentry shop stage right
 Public hallway behind US wall

General Information:

Seating: 551 permanent
 58 movable pit seats
 609 total
 8 handicapped (2 with elevator access)

Stage Manager's console is in a rolling cabinet and can be moved anywhere. It includes a video monitor, a switchable announce mic, four-channel Clear-Com remote station, and power strip.

Access to stage is from two sets of double doors (USL, USR) and two single doors (DSL, DSR) as well as one single door each side onto the calipers. Immediate access to house is through these doors.

Green Room is across a public hallway and can double as a dressing room. It includes a refrigerator, a microwave oven, coffee maker, dishwasher, couch, three makeup stations and sinks, and one commode. Immediate access to chorus dressing room.

Stage Dimensions:

With orchestra shell in place:

DS width –	61'-1"
US width –	37'-9"
Depth of fixed stage –	37'-9"
Height at Plaster line –	*30'-0"
Height at Back Wall -	24'-6"
Shell doors are just wider than a Steinway piano	
Shell Storage –	___
Ceiling, US walls fold against US wall	
DS walls fold to become proscenium forms	

Stage Dimensions (cont'd)

With Orchestra shell stored:

Proscenium width -	40'-0"
Proscenium height -	*31'-0"
Floor Construction -	Tongue & groove pine over sprung sleepers
Depth from plaster line -	29'-5"
Depth of apron to plaster line -	8'-4"
Stage height from house floor -	3'-5"
Stage right wing space -	20'-0"
Stage left wing space -	16'-0"
Pit Type -	Gala Spiral lift (controls SL)
Depth of pit @ center -	12'-7"
Depth of pit at ends -	3'-5"
Width of pit -	51'-1 1/2"

Obstructions - The upstage wall surface is the scalloped surface of the orchestra shell leaving no room for crossover between it and the cyc. The wall is also rather fragile plaster, so nothing may be attached to it. US crossover is a public hallway. There is also no grid over the SR wing area.

Fly system

Locking rail at mid-level stage left doubles as pinrail
 Grid height to walking surface – 65'-0"
 System type – Single purchase with motorized 1st electric and one split hempset
 Pipe – 1 ½" schedule 40 black steel
 Distance between pickpoints – 10'-0"
 High pipe trim – 62'-0"
 Low pipe trim – 4'-0"
 Pipe Length – 67'-0"
 Electrics high trim - 1st – 50'-0" / 2nd & 3rd – 43'-0"
 Arbor capacity – 1500 lbs.
 First Electric capacity – ??? lbs.

Notes:

Walking grid ends SR before the end of the battens.
 If any scenic elements are hung while the orchestra shell is deployed they must clear the arc of the ceiling's movement.
 Details available on request.
 A limited number of spot lines are available.

Line Schedule:

Line #	Distance	Designation	Notes
1	0'-7"	Main Teaser	
2	1'-7 ½"	Main Curtain	Guillotine or traveler
3	2'-10"	1 st Legs and Border	You noticed; on the same pipe
A	3'-10"	Hempset for 1 st Legs	2 – 21' pipes, separate control
4	5'-3"	1 st Electric	Motored. Doubles as Ceiling lift.
5	7'-4"	GP	
6	8'-2"	2 nd Black Border	
7	8'-10 ½"	2 nd Legs	
8	10'-2'	GP	
9	10'-10"	GP	Temp Border electric w/ 6 cts.
10	12'-2"	Cyc storage	
11	12'-10"	Scrim storage	
12	13'-6"	3 rd Black Border	
13	14'-2"	3 rd Legs	
14	15'-6"	2 nd Electric	
15	16'-10"	Full Black Traveler	
16	18'-2"	4 th Black Border	
17	18'-10 ½"	4 th Legs	
18	19'-6"	GP	
19	20'-2"	GP	
20	22'-2"	3 rd Electric	
21	25'-6"	GP	Muled upstage
22	26'-10"	GP	Muled upstage

Soft Goods:

House Teaser (Sand color)	20'h x 65'w
House Curtain (sand color, guillotine and travel)	30'h x 65'w
4 sets black velour legs	28'h x 10'w
4 black velour borders	8'h x 66'w
Full stage black velour traveler	30'h x 68'w
Black scrim	30'h x 66'w
Cyclorama	30'h x 66'w

Dressing Rooms:

1 Chorus Dressing and one Green Room located across a public hall from the backstage wall. Chorus dressing room adjoins 1 women's room and 1 men's room with showers toilets and sinks. Both dressing room and Green Room are lockable.

Makeup stations – 10 in main room, 5 in women's restroom, 4 in men's restroom

Wardrobe racks – 3 rolling

Available on request;

1 iron

1 ironing board

1 steamer

1 washer dryer set situated in carpentry shop

Electrics:

- Power - 1 - 200A Company switch USR with tie-in and Posi-lok single neutral.
 1 - 400A Company switch USR with tie-in and Posi-lok single neutral.
 1 – 100A Service USL with switched hots and chassis ground, neutral tail.

Houselight control at Unison 10 button panels located DSR, DSL, USR, USL, at LCD touchpanel in lightbooth or portable LCD panel at port near DSR Stage Manager's position. Houselights are also controllable through the lighting console and programmable to the Unison system via the stage lighting console.

- Control - ETC Express 48/96 Memory Console
 RFU for above w/ 50' cable
 Console & RFU taps DSL, DSR, ctr. seat row #, catwalk, BOH

- Dimming - 288 available ETC Sensor 2.4k dimmers (dimmer per circuit).
 Dimmers 334 – 384 are houselights.

Circuits -	Beam position –	40
	Bridge –	40
	Box booms (4) – 10 each	40
	1 st electric	40
	2 nd Electric	20
	3 rd Electric	40
	SL Pinrail	30 (Socapex)
	SR Mezzanine	6 (Socapex)
	DS Alcoves	12 (6 SL, 6 SR)
	US	12 (6 SL, 6 SR)
	Pit	4
	Trap room	4

Instuments:		
<i>ETC Source 4 bodies</i>	106	
	33	19°
	37	26°
	43	36°
	10	50°
	6	10°
	40	ETC Parnell
	85	Aluminum PAR64
	6	Altman 3-cell Far-cycs hanging
	9	Altman 3-cell Far-cycs floor mount
Cable:		
<i>Stage Pin</i>	8	50'
	13	25'
	34	10'
	22	5'
	17	Twofers
<i>Edison > Stage pin</i>	5	
<i>Stage pin > Edison</i>	4	
<i>Socapex (11 mil)</i>	8	100'
	1	50'
	8	Fan outs
	2	Fan ins
<i>AC (Edison 12/3.)</i>	2	50'
	3	25'
	4	Quad Breakout
Accessories:		
	20	Parnell Barn Doors
	8	Floor Bases
<i>Boom stands (1 1/2" sch. 40):</i>	4	18" square
	2	50 lb. round
	20	Side Arms
	8	10' Dance booms
	8	10' Dance boom extensions
	8	Shell ceiling hangers
	4	Shell wall hangers

Video & Projection

The video system is patchable in the booth through two Videotek six way distribution amps, with lines run throughout the new end of the building and Turner Recital Hall.

- 1 9' x 12' Dalite front and rear projection screen
- 1 6' x 9' Dalite front projection screen
- 1 NEC GT1150 LCD projector w/ 1 mid-zoom, 1 long-zoom lens
- 1 NEC MT1020 LCD projector
- 1 Kodak Ektagraphic III 35 mm slide projector
- 1 JVC HR-A591U VCR
- 1 Panasonic DVD burner / Player
- 1 Phillips DVP320 DVD player
- 2 Panasonic MiniDV cameras
- 1 Sony Hi8 HandyCam
- 2 Canon LCD cameras permanently mounted in each hall for stage monitors
- 2 Video monitors (1 - 27", 1 - 13", 1- 9")

Cable

Coax (BNC):

100'	2
50'	2
10'	3

RGB (9-pin Dsub)

50'	1
5'	1

Assorted Adapters

Audio

Distributed speaker system (left, center, right), with BOH delays, powered by 3 - QSC CX702 and 3 - CX902 mains amps in booth. Main mix is patchable and run through a Sabine FBX1020 Feedback Eliminator and Soundweb. Lobby feed and backstage feed are two separate systems, controlled from the booth. There is an auxiliary snake input at center BOH (20 input, 4 output) wired to the Booth patch bay and 2 - 4" BOH to Stage Snake pipes run under the house. Acoustical curtains (3 over the house, 1 on BOH wall) are motor controlled from DSR.

Booth: Soundcraft Series Two - 42 input channels, 8 groups, 4 aux sends, 4 matrixes, 1 stereo out, 1 mono out. Phantom power is available on all channels.

Input channels are distributed throughout and patchable.

Two dry lines are run to and two from Turner Recital Hall

Six dry lines on bridge and twelve from SL are run to Recording room in basement

Patchable Equipment in booth:

QSC amprack in booth with patchable Speakon sends throughout hall:

- 1 QSC CX1102
- 1 QSC CX302
- 1 QSC CX902
- 1 Tascam CD305 CD changer
- 1 Tascam122 Mk III cassette deck
- 2 Samson Synth Series Six 2 channel Wireless Mic receivers
- 2 Sabine FBX1020 feedback eliminators
- 4 Rane DC24 controllers
- 2 Rane AC22 Active Crossover
- 1 Rane RPE 228d Programmable EQ

Auxiliary gear:

- 1 Allen & Heath 16/2 console, 6 aux, L/R mains
- 1 Aux. amprack with:
 - DBX 2231 graphic EQ
 - JBL N552 crossover
 - QSC Powerlight 1.4 1400w amp
 - QSC Powerlight 2 2000w amp
- 2 Behringer DSP 2024D Virtualizer processors
- 4 JBL S212-A monitor wedges
- 2 JBL S125S Sub wedges
- 6 EV Sx100+ speakers w/ 2 tripod stands
- 2 EV Sb121
- 2 Klipsch LSBR LaScala Speakers

Recording:

Recording Room in basement accessible by stairs or elevator

- 2 Tascam DA88 ADAT (Hi-8)
- 2 Allessis Masterlink hard drive recorder (1 in IH, 1 available on request, dependent on schedule).
- 1 LaylaG3 & Macintosh G4 Computer (Available on request, dependent on schedule)
- 1 HHB CDR/ RW recorder
- 2 Tascam 112 MkIII Cassette decks (Booth, Recording Room)
- 1 M-Audio Firewire 410 A/D converter
- 1 Tascam cassette deck
- 1 Fostex DAT
- 1 Tascam PortaDAT

Microphone Inventory

<u>Qty.</u>	<u>Manufacturer</u>	<u>Model</u>
Small Diaphragm Condensers:		
2	AKG	SE300B bodies
2	AKG	CK92 omni capsules
2	AKG	CK91 cardioid capsules
2	B&K	4011 fixed cardioid
2	B&K	4007 fixed omni
2	AKG	C460B bodies
2	AKG	CK61-ULS cardioid capsules
14	Schoeps	CMC6—U bodies
3	Schoeps	MK8 figure eight capsules
9	Schoeps	MK4 cardioid capsules
2	Schoeps	MK25 omni capsules
2	Schoeps	MK21H wide sub-cardioid capsules
1	Schoeps	BLM3 PZM capsule
1	Neumann	KFM100 Stereo Sphere
1	Crown	PZM-30GPB
1	Realistic	Stereo Electret Microphone
Large Diaphragm Condensers :		
2	AKG	C414B-ULS (multi-pattern)
1	Audio Technica	AT4050/CM5 (multi pattern)
2	CAD	M9 (tube powered, cardioid)
Large Diaphragm Dynamic:		
2	Shure	SM58 cardioid
3	Shure	SM Beta58a cardioid
1	Shure	SM58s (switched) cardioid
3	Shure	SM57 cardioid
1	Realistic	Highball cardioid
1	Audio Technica	Pro 2ax cardioid
1	Audix	OM 3xb cardioid
Wireless Units:		
4	Samson	UT6 wireless lavalier transmitter
4	Sennheiser	MKE 2-3 wireless lavalier microphone
4	Samson	CCRUH6 handheld wireless microphone
Receivers for all above are rack-mounted in IH Booth, antennas mounted above booth.		
1	Audio-Technica	ATW1453 Handheld & Lav System (portable).
4	Shure	Beta 58

Mic Stands:

Round Desktop	5
Round Straight	3
Tripod boom	12
Tripod boom (short)	1
Tripod Straight	1
Bogen High boom	4

Cabling:

3-pin XLR:

100'	6
50'	5
25'	11
10'	1
Assorted adapters	

5-pin XLR (stereo)

50'	11
25'	12
Splitters	2

Speakon:

100'	2
50'	1
25'	16
15'	5

Communications:

Four channel Clear-com main station in audio booth.
Four channel remote Station at Stage Mgr's console
10 belt packs
12 headsets
18 - 25' 3-pin XLR cables
Outlets throughout building
Single channel (ch. 2) wall panels in dressing rooms and all support areas
Single channel Telex wireless tied into system

Props & Scenics

1	Black Rosco dance floor available on request
6	2'-6" x 6' catering tables
10	10' x 1" Bottom pipes

Concert equipment:

70	Grey Wenger orchestral chairs
9	Grey Wenger cello chairs
70	Black Wenger orchestral chairs
9	Black Wenger cello chairs
100	Wenger music stands
40	Standlights
6	Zipchord standlight stringers
1	Wenger Lexan top conductor's stand
6	Conductor's podiums at differing heights
3	9' Steinway grand pianos (1 in IH, 2 in Turner Hall, available on request dependent on scheduling)
12	4'w x 8'h Sound baffles
2	lecterns

REHEARSAL HALL

There is available, dependent on scheduling, a rehearsal hall across the hallway from the upstage wall. There are 4 mic lines, 4 video lines, and 2 com lines connecting it to the Ingram Hall audio booth and patchable there to and from other parts of the building. There is a rolling recording rack with a Mackie 1202 mixer, a CD player, a Tascam 112 MkIII cassette deck and a QSC CX702 power amp. Two EV Sx100+ speakers are available and two are permanently hung.

SHOP

Adjoining the stage is a full, but small, shop with full woodworking and steel cutting and welding capabilities. Usage of the shop is available with staff supervision.

COSTUME SHOP

A limited costume shop is available for use with staff supervision.