



# MEANY CENTER

## FOR THE PERFORMING ARTS

### TECH SPECS

KATHARYN ALVORD GERLICH THEATER\*  
(\*formerly Meany Theater)

#### Mailing Address:

Meany Hall for the Performing Arts  
UW Mailbox 351150  
Seattle, WA 98195-1150

#### Shipping Address:

Meany Hall- Loading Dock  
University of Washington  
4040 George Washington LN NE  
Seattle, WA 98195

### Contact Info

Technical Director: Tom Burke	(206)499-5142	<a href="mailto:tdburke@uw.edu">tdburke@uw.edu</a>
Stage Supervisor: Steve Carlino	(347)394-6626	<a href="mailto:stevec23@uw.edu">stevec23@uw.edu</a>
Lighting Supervisor: Brian Engel	(206) 685-3311	<a href="mailto:bengel5@uw.edu">bengel5@uw.edu</a>
Audio Supervisor: Matt Starritt	(206) 931-1352	<a href="mailto:mgr@uw.edu">mgr@uw.edu</a>
Dir. Aud. Services: Nancy Hautala	(206) 543-2010	<a href="mailto:bnancy@uw.edu">bnancy@uw.edu</a>
Backstage	(206) 543-7188	
Meany Hall Administration	(206) 543-4882	

Meany Center Technical Documents: [meanycenter.org/visit/technical-information/](http://meanycenter.org/visit/technical-information/)

## General Stage Info – Meany Center

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### **NOTE: All measurements are from Plaster Line**

#### Proscenium

- 26' High x 70' Wide (Hard wall reducer panels close down to 50')
- Minimum leg opening of 44' required for sightlines.

#### Stage

- 58' deep from Plaster Line to back wall
- Center Line to SR lock rail 56'-6"
- Center Line to SL wall 60'-6"

#### Floor

- Varnished Maple, Sprung, Basket-weave construction.
- Trapped area 40' wide x 8' deep starting 8'-8" US of Plaster Line
- 5'-6" Apron with 2 additional apron sections 5'-6" deep
- Orchestra Pit variable height from Stage level to -8'-10"
- 1 Portable, **Non-Rosin**, Harlequin, black dance floor - 9 panels 5'x 60' each
- 1 Portable, **Rosin**, Harlequin, black dance floor - 16 panels 5'x60' each
- 1 Portable, Harlequin, reversible dance floor (grey and light grey, studio white) – 7 panels 2M x 65'-7" each
- 1 Portable, Harlequin, gray reversible dance floor – 6 panels 2M x 44' each
- *NOTE: No screwing or lagging of any kind into stage floor*

#### Loading Dock

- 65' from rear of stage, 42" above street level
- Unimpeded rolling access from loading dock
- Loading door is 14'-0" x 14'-0"

#### Seating Capacity

- Orchestra: 794 + 4 wheelchair spaces    Balcony: 412

#### Dressing Rooms

- 2 - 2 person located on stage level Stage Right.
- 2 - 40 person located on the lower level.
- Audio stage monitor and page mic to all dressing rooms
- 2 Single occupancy bathrooms available on stage level, additional bathrooms and showers available on the lower level.
- Household washer and dryer available on-site.
- Green Room located off stage right, equipped with audio and video stage monitor and kitchenette
- Vending machines located on the lower level.

#### Orchestra Shell

- Adjustable fully enclosed shell, DS width 70', US width 44'
- Depth: Shell 1 – 15', Shell 2 – 31', Shell 3 – 45'

# General Stage Info – Meany Center

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## Orchestra Equipment

- 100 Wenger Orchestra Chairs (Black)
- 95 Music stands
- 50 Manhasset Music stand lights
- 9' Steinway Model D grand concert piano
- 9' Steinway Model D grand concert piano
- 7' Steinway Model B grand concert piano

## Fly System

- Single purchase arbor system, fly rail located SR
- 68 working line sets, 64 available (See Lineset Schedule for details)
- Arbor capacity 950 lbs., Weights: 23.5 lb.(10 Kg) and 13 lb.(5 Kg). 24,000 lbs. total
- Grid height 78'-6", Maximum batten height 73', Minimum 3'6"
- All Line sets are 80' long or extendable to 80', except for LS 2-5, which are extendable to 99' (LS 1-5 and LS 20-23 can extend to 100'.)
- House Electrics 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> are 70' long – Motorized Hoist operated. (Power and circuitry run to Electrics.)
- Side Tabs running downstage to upstage, 42'-0" off CL (offstage of 80' battens)  
Rigged with (4) ½ ton chain motors and ladder truss. (1) spare ½ ton LiftKet chain motor.

## Main Curtain

- Curtain is a Red Velour, motorized guillotine style curtain, operated from Down Stage Right.
- Speed is variable from 5-60 seconds of travel time

## Softgoods Inventory

14	30' x 10'	Legs (Rep positions 2, 3, 4) - 25oz Velour, IFR
6	30' x 17'	Legs w/Bottom Pipe (Rep position 1 <sup>st</sup> and 5 <sup>th</sup> Legs)
8	10' x 80'	Borders
1	30' x 80'	Blackout (Chris) (2 panels, 30' x 50') w/ Bottom Pipe
1	30' x 64'	Blackout (Dave) (4 panels, 2@30' x 17', 2@30' x 21')
1	30' x 78'	Blackout (Matt!) (2 panels, 30' x 40')
1	30' x 60'	Black Scrim
1	30' x 58'-6"	Twin White Plastic CYC (Rear Projection Screen)
1	32' x 70'	Seamless white Muslin Bounce (stained, no pipe pocket)
1	35' x 52'	Grey Plastic CYC (Rear Projection Screen)
1	30' x 58'-6"	Grey Plastic CYC (Rear Projection Screen)
12	27'-6" x 9'-10"	Side Tabs (15oz Velour, IFR)
1	30' x 80'	Main Curtain (Red Velour), LS#3 – Not moveable.
3		Shell Ceilings 1 2 3 – Not moveable (See Lineset Schedule for details)

## Risers

- 30- 1m x 2m Platforms (These are wood topped and painted black)  
Height stops at 20cm, 40cm, 60cm, 80cm, 100cm.
- 2- stair units, (aluminum, silver finish) 5-step (adjustable from 60cm to 100cm.)
- 2- stair units, 2- step (steel and wood, painted black)
- 11- choral risers, 3 step, standing, Wenger.

# General Stage Info – Meany Center

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## Lifts and Ladders

- 1 — 40' Genie Lift
- 1 — 12' A-frame ladder, wheeled
- 2 — 8' A-frame ladder, wheeled

## Misc

- 2 — 7' x 2' Prop Tables (wood)
- 4 – 6' x 2.5' plastic folding tables
- 2 – 4' x 2' plastic folding tables

## Stage Manager's Desk

The stage manager's desk is located DSR. This station includes the following:

- Stage picture provided by a monitor with a video feed from a camera on the balcony rail.
- Screen monitor with cue list.
- Screen monitor with in-fared camera of Stage and Audience Seats.
- All work light controls, House light control, all non dim control
- Paging mic to green room and dressing room areas
- Stage sound monitor and Wireless. Microphone base station

## Technical Crews

- All crew will be scheduled and supervised by the Technical Director of Meany Center.
- All crews are scheduled for the duration of the call.
- All work calls are scheduled for a minimum of 4 hours.
- A Meany Theatre technical staff member must be present at all times when the facility is in use.

## Video Projection System

- 20K Panasonic PT-DZ21K2 projector
- 10K Panasonic PT-DS 8500U projector
- 0.39 - 1 Fixed lens ET-D75LE95
- 1.0 – 1.2 : 1 zoom lens ET-D75LE60
- 1.8 -- 2.6 : 1 zoom lens ET-D75LE20
- 5.0 – 7.99 : 1 zoom lens ET-D75LE40
- 7.9 – 15.0 : 1 zoom lens ET-D75LE80

## In-House Video System

- (3) PTZ cameras on Balcony Rail (Sony SRG x400)
- (1) PTZ camera controller (Sony RM-P 500)
- (2) Infrared cameras for stage shot & audience shot
- Black Magic 40x40 smart video hub
- BNC converted to fiber optic and distributed around theater for patching video in/out.
- Video rack + control area located mid-stage Stage Right.

Tech Specs continue with Lighting Info on next page .....

## Lighting Info – Meany Center

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**NOTE: Oversize pipes! All Overhead Pipes are 2" ID (2-3/8" OD)**

**NOTE: All circuits are 20 amp, 3 pin stage connectors**

**Maximum Out Trim for 5 Motorized Electrics is +42'-0"**

### Front of House

<b>1st Beam</b>	15'-8 3/4" to Plaster Line at CL, Elevation 36'-6" 16 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 2 @ 20A 208v relay ckts (L6-20r) 3 @ 20A 3-phase w/motor control (7-pin SOCA) Extreme focus angle, multi level pipe, many barriers. Position is 60' wide split at center
<b>2nd Beam</b>	28'-7" to Plaster Line at CL, Elevation 43' 32 @ 20A 110v dimmable ckts (GSP) 1 @ 60A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 2 @ 20A 208v relay ckts (L6-20r) Position is 60' wide split at center Position is pre-hung with 15 S4s 14°
<b>3rd Beam</b>	42'-3 1/4" to Plaster Line at CL, Elevation 44'-6" 32 @ 20A 110v dimmable ckts (GSP) 1 @ 60A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 2 @ 20A 208v relay ckts (L6-20r) Position is 60' wide split at center Position pre-hung w/ 15 S4s 14°, 6 S4s 10°.
<b>Balcony Rail</b>	61' to Plaster Line at CL, Elevation 17' 15 @ 20A 110v dimmable ckts (GSP) 2 @ 60A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 2 @ 20A 208v relay ckts (L6-20r) Position is prehung with 8 S4s 15-30° Zooms
<b>1st Box Boom</b>	36' off Center, 6' DS of Plaster Line, 28' from Stage Level to top of position L & R 8 @ 20A 110v dimmable ckts (GSP) 2 @ 20A 110v relay ckts (PBG) Each position is pre-hung with 6 S4s 15-30° Zooms.
<b>2nd Box Boom</b>	44' off Center, 18' DS of Plaster Line, 32' from stage level to top of position L & R 8 @ 20A 110v dimmable ckts (GSP) 2 @ 20A 110v relay ckts (PBG) Each position is pre-hung with 6 S4s 15-30° Zooms

# Lighting Info – Meany Center

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## Permanent Overhead Electrics

<b>1<sup>st</sup> Electric</b>	Electric winch, 70' pipe, 6'-3" US of Plaster Line, Out Trim +42'-0" 42 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 3 @ 20A 208v relay (L6-20r)
<b>2<sup>nd</sup> Electric</b>	Electric winch, 70' pipe 14'-6" US of Plaster Line, Out Trim +42'-0" 42 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 3 @ 20A 208v relay (L6-20r)
<b>3<sup>rd</sup> Electric</b>	Electric winch, 70' pipe 23'-6" US of Plaster Line, Out Trim +42'-0" 42 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 3 @ 20A 208v relay (L6-20r)
<b>4<sup>th</sup> Electric</b>	Electric winch, 70' pipe 32'-0" US of Plaster Line, Out Trim +42'-0" 42 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 3 @ 20A 208v relay (L6-20r)
<b>Cyc Electric</b>	Electric winch, 70' pipe 41'-0" US of Plaster Line, Out Trim +42'-0" 32 @ 20A 110v dimmable ckts (GSP) 3 @ 20A 110v relay ckts (PBG) 3 @ 20A 208v relay (L6-20r)

## Other Device Locations

<b>Floor Pockets (each box)</b>	5 SL & SR, 43' from CL 4 @ 20A 110v dimmable ckts (GSP) 2 @ 20A 110v relay ckts (PBG)
<b>Stage Walls (qty. 4)</b>	12 @ 20A 110v dimmable ckts (GSP) 2 @ 20A 110v relay ckts (PBG)
<b>FLY Gallerys</b>	66 @ 20A 110v dimmable ckts (GSP) 3 @ 60A 110v dimmable ckts (GSP) - duplicated 3 @ 20A 110v relay ckts (PBG) 6 @ 20A 208v relay (L6-20r) – duplicated
<b>Orchestra Pit</b>	6 @ 20A 110v dimmable ckts (GSP) 2 @ 20A 110v relay ckts (PBG) 2 @ 20A 208v relay (L6-20r)
<b>Pit Lift (Floor Pockets)</b>	4 @ 20A 110v dimmable ckts (GSP)-duplicated

## Lighting Info – Meany Center

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### Lighting Control

#### ETC GIO Console w/fader wing

- 24,576 outputs
- ETCNet3™ (ACN- based), ETCNet2™, Artnet and Avab® UDP protocol output
- Multiple MIDI and SMPTE Inputs
- OSC and UDP Transmit and Receive
- Data-launders from Obsession™, Express™, Expression®, Emphasis®, Congo®, Cobalt™, Transtechnik NT, Avab VLC, Grand MA1, Grand MA2 and Strand 500/300 series show files.

#### ETC ION Console w/fader wing

- 12,288 outputs
- ETCNet3™ (ACN- based), ETCNet2™, Artnet and Avab® UDP protocol output
- Multiple MIDI and SMPTE Inputs
- OSC and UDP Transmit and Receive

### Company Switches

400A USL

200A Fly Gallery SR

### House Lights

Controls located downstage right, light booth, and console control (Universe II)

### Dimmers

565 @ 20A Dimmable

75 @ 20A Non-Dims

33 @ 20A 208v Non-Dims

17 @ 3-phase Constant

### Lighting Accessories

- 9 @ Source Four irises
- 30 @ 10" Barn doors 4-way
- 10 @ 12' booms
- 5 – Rosco I-Cues
- 2- City Theatrical follow-spot yokes
- 1- 1.2K LEX manual dimmer

## Lighting Info – Meany Center

### Fixture Inventory

<b>Total Qty.</b>	<b>Type</b>		<b>Lamp</b>	<b>Frame</b>	<b>LBS.</b>
30	Series 3 Lustr X8	ETC	310w LED		19.5
15	Lustr Fresnel Adaptors	ETC		7.5 x 7.5	9.2
142	Source Four Ellipsoidal Bodies	ETC	HPL 750		15.0
18	10° Source Four Barrel	ETC		12 x 12	
4	14° Source Four Barrel	ETC		7.5 x 7.5	
25	19° Source Four Barrel	ETC		6.25 x 6.25	
64	26° Source Four Barrel	ETC		6.25 x 6.25	
73	36° Source Four Barrel	ETC		6.25 x 6.25	
8	36° EDLT Lens Barrel	ETC		6.25 x 6.25	
8	50° Source Four Barrel	ETC		6.25 x 6.25	
14	15° - 30° SOURCE FOUR	ETC	HPL 750	7.5 X 7.5	21.0
6	25° - 50° SOURCE FOUR	ETC	HPL 750	7.5 X 7.5	17.0
44	8" FRESNELITE	STRAND	BVW 2K	10 X 10	17.0
80	PAR Source Four	ETC	HPL 750	7.5 X 7.5	7.50
9	ColorForce II Plus 72"	ChromaQ	800w LED	Cyc/Border lens	53.0
12	ColorForce II Plus 48"	ChromaQ	533w LED	Cyc/Border lens	40.0
12	IANIRO CYC	STRAND	FFT 1K	12 X 15.5	43.0
32 cells	FOCUSING CYCS	ALTMAN	FCM 1K	10.5 X 11.25	10.5
2	1275 FOLLOW SPOT	LYCIAN	UMI-1200HB	4.25D	H-86 B-41 P-52

**\*FOH equipment is permanently hung and DOES NOT MOVE. These instruments are not included in the above count.**

#### **FOH HANG**

4	10° Source Four	ETC	HPL 750	12 x 12	15.0
30	14° Source Four	ETC	HPL 750	6.25 x 6.25	19.3
32	15° - 30° SOURCE FOUR	ETC	HPL 750	7.5 X 7.5	21.0



# Sound Info – Meany Center

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## Consoles, I/O, Cable

- **Yamaha DM7** 120 Inputs, 48 Mix, 12 Matrix, 24 DCA
- **MIDAS PRO3** 56 Inputs, 27 mix bus, 8 matrix, 10 DCA + 6 Pop, 64/64 DANTE
- 2 Yamaha RIO 3224 (32 in, 16 out, 4 AES/EBU)
- 1 Yamaha TIO 1608 (16in, 8 out)
- Whirlwind Medusa Elite sub-snakes, plenty of cables, stands, etc.
- NOTE: House mix position in Balcony, rear of house, right of center (it sounds much better up here) –or-- rear of main floor, house left, under the balcony. Dedicated isolated 100A 3-phase company switch DSL.

## Matrix and Array Processing, Speakers, Amplifiers - Installed

- 1 d&b **DS100 Soundscape Engine, EnScene**, 64/64 matrix, DANTE
- 3 d&b DS10 Audio Networking Bridge
- 15 d&b AL60 in 5 arrays of 3, truss flown DS of proscenium
- 6 d&b V-Sub, truss flown DS of proscenium
- 6 d&b E6 front fill
- 8 d&b 5S underbalcony delay
- 4 d&b 30D Amplifiers
- 4 d&b 10D Amplifiers

## Speakers, Monitors, Amplifiers – Deployed Flexibly

- 4 d&b 10D, Amplifiers
- 8 d&b M6
- 8 d&b E6
- 4 d&b E12
- 4 d&b E15x Sub

## Playback, Recording

- Macbook Pro, QLab, Dante Virtual Soundcard
- Full multitrack recording via DANTE

## Microphones

- 8 Channels Shure Axient AD4Q Receivers
  - 8 channels Shure Axient AD2 handheld transmitters
    - 8 Beta 87c capsules
    - 8 Beta 58a capsules
    - 2 KSM9 capsules
  - 6 channels Shure Axient AD1 bodypack transmitters
    - 6 DPA 4061 omni lavs, or 4 Countryman E6 omni headsets (2 tan, 2 cocoa)
- 4 ATM 33R condenser, cardioid
- 6 Crown PCC160, surface mount condenser, half-supercardioid
- 1 EV RE20 dynamic, cardioid
- 4 Neumann KM84i condenser, cardioid
- 4 Neumann KM184 condenser, cardioid
- 8 Sennheiser MD421 dynamic, cardioid
- 5 Sennheiser MD409 dynamic, cardioid
- 3 Sennheiser e604 (with drum mounts)
- 8 Shure SM58 dynamic, cardioid
- 6 Shure SM57 dynamic, cardioid
- 2 AKG c414 XLII, adjustable pattern
- 2 DPA 4006, omni
- 4 Shure Beta 98D/S mini condenser, supercardioid (with drum mounts)
- 1 Shure Beta 52A dynamic, cardioid
- 1 Shure Beta 91A condenser, half-cardioid
- 2 Shure MX418C 18" gooseneck, 2 Shure MX412C 12" gooseneck
- 4 DPA 4098 18", condenser super cardioid
- 4 DPA 4099, condenser super cardioid Loud SPL
- 6 Radial JDI(mono passive), 2 JDI Duplex(stereo passive), 2 JPC(stereo active)

## Backstage Communication

10 wireless Clear-Com ARCADIA system FSII belt-packs, 10 single channel belt packs  
Page Mic @ SM Desk SR, page and program feed to dressing rooms & Green Room.