

TECHNICAL INFORMATION
BURRUSS AUDITORIUM
VIRGINIA TECH CAMPUS
Blacksburg, Virginia
Office: 540-231-3499
Email: production@vt.edu
Version Date: February 22, 2018

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, or veteran status; or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees, or applicants; or any other basis protected by law.

Table of Contents

General Information	page 3
Directions to venue	page 4
Bus/Truck information	page 4
Management information	page 5
Fire Safety	page 6
Load-in area	page 7

Department Sections:

Carpentry	page 8
Lighting	page 11
Sound	page 13
Video	page 15
Properties	page 16
Wardrobe	page 17
Campus frequencies listing	page 18

Attached Diagrams:

Parking Layout	Page 19
Loading Dock	page 20
Load –in Path	page 21
Rigging Diagram	page 22
Orchestra Pit	page 23
Venue Seating	page 24
Venue Layout	page 25
Stage Layout	page 26

TECHNICAL SERVICES

SECL Production Services
321 Squires Student Cent.
Blacksburg, VA 24061
Phone: (540) 231-3499
Email: production@vt.edu

GENERAL INFORMATION

Area Hotels:

There are a variety of local hotels, please contact the Presenter for this information.

Taxi Services:

There are a limited number of Taxi Services in the area, please contact the Presenter for this information.

Restaurants:

There is a wide variety of food in walking distance, including fast food, sandwich shops, delis, vegetarian, Chinese and other interests. Please contact the Presenter for more specific information.

Handicapped Access:

The Handicapped seating is at the rear of the Center Right Orchestra seating. There are 3 wheel chair locations, no buddy seats. The access to the hall is from the same door use for venue access. And the hallway crosses the load in path. A house ALD system is available and must be supplied an audio feed for all non-rock and roll events. **Load in ramps must be removed for audience entrance and exit times.**

Emergency Numbers:

All emergency Services: 911 (from campus phone)
University Police/Dispatcher: 540-382-4343
Hospital Emergency Room: (consult a nurse) 877-242-2362
If additional numbers are needed, please contact the presenter.

Laundry:

Offsite facility, about 1 mile away with coin operated machines.

Shipping:

If you need to have a package sent to you while in this venue, make arrangements with the local presenter. The local production staff will not receive packages on behalf of a show.

Directions to Venue:

To reach the campus from Interstate 81 (southbound and northbound:

- Take Exit 118, which has ramps to several different Christiansburg and Blacksburg exits. Take Exit **118B** onto U.S. 460 West; this ramp connects directly to the Christiansburg Bypass. Follow the signs for Blacksburg/Virginia Tech.
- Merge onto North Franklin Street after 3.5 miles.
- Drive 2.7 miles, through eight traffic lights, to the ninth traffic light, at Yellow Sulphur Road.
- Drive for 3.5 miles on U.S. 460 to the Prices Fork Road exit for “Downtown.” (From east 460 take Prices Fork Rd. exit & turn left at end of exit ramp.
- Turn right at the third light – Toms Creed Rd. / Stranger St.
- Turn right at the top of the hill – Old Turner St., just before McBride Hall.
- **Loading dock is to the left at the end of the parking lot.**

Most tractor trailers have to back down Old Turner Street

Geographical Coordinates:

Latitude: 37.2294

Longitude: -80.4236

Time Zone:

Eastern

Bus/Truck Services

Power

100amp, 3phase, 5wire disconnect available

A separate “RV” Connection panel is also available with the other of each type of connector listed below:

- (1)NEMA-1450 (50 amp-single phase 4 wire connector)
- (1) 3 Wire Range Plug (30A)
- (1) Edison Duplex

Notes:

The “RV” connection panel and the 100 amp disconnect originate from the same master breaker

Water and Sewage Connections:

Connections for water and sewage are not available

Parking:

- **NO truck engines, bus engines or generators are to be running between 8am and 5pm Monday through Friday.**
- All parking arrangements must be made with the local presenter
- **All emergency access areas must remain clear of trucks and busses**

MANAGEMENT

SECL Production Services
321 Squires Student Cent.
Blacksburg, VA 24061
Phone: (540) 231-3499
Email: production@vt.edu

Office Hours: 10am-6pm Monday-Friday (Eastern Time)

*The local staff offices are not in this venue

Tour Production Office:

Located in the hallway adjacent to the stage, see diagram.

Tour Office Phone Numbers:

These must be arranged for ahead of time with the local presenter.

Internet Access:

This must be arranged for ahead of time with the local presenter.

Green Room:

There is no Green Room for this Venue.

Stage Managers Console:

There is no Stage Manager's console for this venue.

Rehearsal Rooms:

There are no rehearsal rooms for this venue. Please work out alternate arrangements with the presenter.

Crew:

Trained student crew and volunteer students

The Presenter supplies the majority of the labor using volunteer student staff.

Handicapped Access to the Stage:

A motorized wheel chair lift on house right is supplied

Policies: (listed policies are non-negotiable)

- This venue is a non-smoking venue, and alcohol is not to be served at any events in this venue.
- *There is a HARD performance curfew of 11pm.*
- The Virginia Tech Police have the authority to be anywhere in the venue at any time.
- Any use of any pyrotechnics, smoke machines, fog machines, open flames or other similar environmental/pyrotechnic is prohibited in this hall.
- Tour personnel, guest operators or over hires are not permitted to operate any house equipment. All venue owned equipment will be operated by venue personnel.

HVAC:

The auditorium does not have HVAC control; there are intake fans that pull outside air into the venue. If control of this is needed, please leave plenty of time and notify ahead of time, control for this system is through a central campus system, and no controllable from within the venue.

Dressing rooms are connected to the main building HVAC; control of this system is limited. There is no control of the system from within the venue.

Showers:

There is one shower located on either side of the stage; hot water is not a problem. Towel arrangements are to be made with local presenter.

Fire Safety

Fire Alarm:

The venue is equipped with a fire alarm using a combination of head and smoke detectors. It is imperative for you to advance anything that may affect the fire alarm.

Curtain Speech:

All curtain speeches to be discussed directly with presenter.

A pre-show fire safety announcement must be made no more than 5 minutes before show time. This can be pre-recorded (house supplied CD) or made live, the facility manager must approve the wording for all live announcements.

Security:

Any specific security needs must be discussed with local presenter.

LOAD-IN AREA

- ***Trucks and busses must not block emergency service vehicles Access to the building, or block exits from the building needed for fire egress.***
- Parking is available about ½ mile away in another parking lot if engines must stay on.
- Any truck or bus that is left to park in the loading area, must have a driver that is immediately accessible by phone or radio to move the vehicle in case of an emergency.
- Measurements (listed from the exterior of the building moving toward interior)
 - Height of dock to ground
 - 37.25" (3'-1.25")
 - First door:
 - 96" tall . 70.5" wide (8'-10.5")
 - Second Door
 - 101.5" tall x 68" wide (12'-5.5")
 - Rise to Stage
 - 25" high (2'-1")
 - Third Door
 - 95.25" tall x 62" wide (7'-8.25")
 - Fourth Door
 - 83" tall x 67.75" wide (6'-11" x 5'-7.75")

See attached diagram on page 19

CARPENTRY

Seating:

- Before production kills, the seating capacity is 2939
- General Public will not be seated in the pit area
See attached seating diagram

Stage Dimensions:

Proscenium Opening: 58' wide x 16'11" tall
Stage Depth to Back Wall: 40'
Apron: 5'10" lip to main drape

Wing Space:

Stage Right: 14'-0" unobstructed, there is an additional 5'-0" with a 7'-9.5"
Stage Left: 15' that is unobstructed except for storage of a few items.

Grid Height:

Grid Height: 33'-11"
Maximum out trim on house battens: 27'

Orchestra Pit:

- Non-moveable
- Removable access stairs on house left and right
- See diagram for dimensions
- Baby grand piano stored in pit, this is not removable
See attached diagram

Stage Height:

To Audience level: 3'-0"
To Pit Floor level: 5'-6"

Stage Floor:

Dark stain finished wood floor. No traps are available. There are non-functioning floor pockets on stage right and left. The floor is in fairly good conditions; there are only a few spots with digs or splintering (found mostly up-stage)

House Drapes (Goods):

Main Drape:

Red traveler that is manually operated downstage right.
This curtain can only be used as a traveler

Legs:

3 Sets 20' tall by 8' wide: partial fullness.

All legs on dead hung on pivot tracks.

Borders:

5 available: black. 60' long x 5' tall: with partial fullness.

Back Black:

A black traveler with fullness: Operated from the fly rail up-stage right. Traveler cannot fly out.

Cyc:

There is not a resident cyc in this venue, one is in inventory, speak to local technical contact person about availability.

Notes:

The house legs and travelers do not move from where they are. NO EXCEPTIONS.

Line Set Data:

Line Set Schedule:

<u>Line</u>	<u>Distance</u>	<u>Item</u>	<u>Notes</u>
1	1'3"	House Screen	No batten/2 lift lines only
	2'8"	Main Drape	
2	4'6"	Empty	
3	5'3"	Empty	
4	9'3"	Empty	
	10'0"	House Leg	Dead hung on Pivot Track
5	11'3"	Empty	
6	11'11"	Empty	
7	13'3"	Empty	
	16'0"	House Leg	Dead hung on Pivot Track
8	16'7"	Empty	
9	19'3"	Empty	
10	19'11"	Empty	
	22'3"	House Leg	Dead hung on Pivot Track
11	23'11"	Empty	
12	25'11"	Empty	
	36'8"	Black Traveler	Dead hung on Travel Track
	40'	Back Wall	

Working Height of Battens:

Out Trim: 27'0" (Average)

In Trim: 4'11" (Average)

Truss Batten Height: 1'0"

Battens:

600 lbs, distributed capacity

11 Moving line sets

1 ½" ID Schedule 40 Truss Pipe Batten

All moving battens are 56' long

4 lift lines per batten, at a spacing of 15' of center.

Counter weight System Type:

Double purchase counter weight system

Arbor Capacity:

600lbs above batten weight

Available Weight:

5500lbs

Loading Gallery:

Elevated on stage right

Rigging:

Most beams cannot be rigged off of using wire rope baskets.

Please work with local production manager ahead of time for all rigging needs.

See attached diagram on page 21

Support Areas:**Crossover:**

Available up-stage of the back black, or a hallway that runs up-stage of the back wall with access up-stage right and left.

Stage Access:

FOH: There is a set of stairs on stage right and left that lead to the stage. These stairs are removable.

There is an access door upstage right and left in the dressing room hallways.

Storage:

Minimal storage is available on stage level in the wings, the rest of the storage is to be on show trucks, or outside. Appropriate egress points must be maintained backstage at all times. No storage available in the House.

Notes:

The back hallway cross over (located upstage of the back wall) must remain clear of equipment for fire code compliance.

See attached venue layout diagram on page 24

LIGHTING

Power:

400amp, 3phase, 5wire: located on the mid-stage right wall (x2)
Both disconnects have cam-lock connections
Ground and neutral are reversed.
No house cam-lock turn a-rounds are available for the cam-lock panel.
2 Lug spaces are available in each panel for bare tail tie-ins off of this service.
If house dimmers are used, they will be tied into one of these panels as well as the tour equipment
Outlets located on SR, US wall, and SR, al individual circuits (5 total)

Dimmers:

All dimming racks are portable and are DMX controlled
48x2.4K LMI Rack
Other available if requested ahead of time
All House dimmers must be reserved in advance, if they are not, they may not be available day of show.

Control Board:

48 Channel ETC Acclaim, no soft patch (talk with local technical contact about needed rentals.)

House Lights:

Control point in sound booth, follow spot booth and Down Stage Right. Three sections of non-dimmable lights that are controlled by relays located SR, in the sound booth and the follow spot booth. All house lights are a compact fluorescent lamp.

Circuits:

All circuits are cables. The house has 18 installed circuits to the FOH Lighting positions (see transfer panel)

Front of House Transfer:

3-socopex connector located mid-stage right. All connectors wired to 6 circuit standards. The fan-outs for the socopex connections are 2P&G connectors appearing at the FOH truss.
3 25' 6-circuit socopex cables are available from house for these connections.
The house does not have fan-outs.

FOH Hang position:

40' Tomcat box truss hung with two 1-ton motors (all trusses, including house truss, must have dead hang safety in place)
Truss hung 17'-6" into the house from the stage lip.
Height of truss is between 24'5".
All truss over audience MUST have safety rigging in place to back up the motors

Follow Spots:

2 Lycian 2.5Kw Metal Halide

Located in a booth in the rear center of the house.

Through distance from spot booth is 148'-0"

Lighting Units:

Various Altman fixtures all need to be discussed in advance

Notes:

For larger shows, rental equipment is typically used to supplement house inventory.

All control lines must be run on floor between FOH and backstage areas.

Cable Pick Points:

Some steel is available off stage right

All hardware is to be supplied by tour unless arranged in advance.

Backstage Work/Running Lights:

Running lights to be supplied by tour unless arranged in advance

Work lights for general work are 1500watt flood fixtures located on SR, SL, and US walls.

Personal Lifts:

The venue has a 36' lift resident and a second lift is available when arrangements are made ahead of time.

****Remember, all rigging is done by lift; there is not the ability to walk steel in this venue.****

See attached venue layout diagram on page 25

SOUND

Power:

200amp, 3phase, 5 wire disconnect, transformer isolated. Located on the Down Stage Right Proscenium Wall. With cam-lock panel (reverse ground and neutral). The house system and the road show power are not the same service.

House system and show power are isolated ground, however they do not share the same isolated or equipment ground.

Additional Edison outlets, on the same services as the road-show disconnect, are located DSR, DSL, in the orchestra pit and 2 duplex outlets on the upstage wall (all discreet circuits)

Sound System Connections:

Tour shows MAY NOT use the house system. If additional coverage is needed, please make arrangements with the local production manager.

Control Location:

Control is located in the mid-house area between the two center sections of seats. 150' minimum of cable is recommended to make the needed run from this position to stage. Location is 70'-0" from stage lip

Hearing Assistance System:

An audio feed is required to tie into the ALD system. This connection can be made mid-house or back stage right.

The system is manufactured by Listen Technologies

Monitor/Paging System:

Each dressing room has a 70v, JBL Control 25t monitor permanently mounted, the mic for this is located DSR, there is no individual control over the level in each room.

Production Communication

A two channel Clear-Com system is installed in the rack on stage right. Jacks for this system are located mid-house, down stage right/left, up stage right/left, on the fly rail, sound booth and in the follow spot booth.

To ensure availability of packs and headsets, please discuss in advance.

Equipment Inventory:

16 channel Midas M32R console located in booth

32 channel Midas M32 console for mid-house

Installed Speakers:

Combination of B&C, Eminence Beta-8A and Eminence Kilomax drivers installed in 3 clusters, time delayed and processed as needed.

Portable Speakers:

3 EAW SM129z wedges

3 EAW JF80 speakers for center fill's.

Microphones:

Various microphones available. Discuss needs in advance.

Play Back Devices:

CD and other play back devices are available if arrangements are made in advance.

Press Box:

1 Whirlwind Presmite active press box with XLR connectors.

Connections for this unit are in the pit and mid-house.

Sound Notes:

House technicians only, no exceptions, will operate the house system. If a road show needs a feed to the speaker package, arrangements must be made in advance and connection will be made at the Assistant Director for Production Services discretion. Connections, when allowed, to the house system are stage right proscenium wall and mid house.

The house system will auto mute in case of a fire alarm.

See attached venue layout diagram on page 25

**NO ROCK AND ROLL STYLE SHOWS WILL BE AMPLIFIED
THROUGH THIS SYSTEM**

VIDEO

House Projectors:

2 Christie Boxer 20000Lumen projectors available for rear projection.

House Screens:

1 Draper 14.5'X8.5' Truss Cinefold portable front/rear screen

1 Draper 9.5''x16''Truss Cinefold screen on line set 1

Switching:

Control located in booth and DSR using Crestron interface to Extron switcher

Manual switch can be connected mid-house.

Inputs:

Location-type

USR-SDI

USC-SDI

USL-SDI

SR- (2 SDI)

Mid House- (2 SDI)

Outputs:

Location-type

USR-SDI

USC-SDI

USL-SDI

SR- 1 SDI

Mid House- 1 SDI

PROPERTIES

Orchestra Pit:

Music:

Chairs:

Black Padded chairs, 40 available, more if requested in advance.

Stands:

None available

Lights:

None available

Conductors Podium:

None available

All equipment MUST be requested in advance

Orchestra Shell:

6 sections of a Wenger portable shell available

Platforms:

All platforms or risers are rented from off campus source. Discuss needs in advance.

Dance Floor:

None available we will rent one at the discretion of the Presenter if part of the contract.

Notes:

We maintain only minimal equipment in this area, please discuss needs in advance, or make sure it is clear on your contract rider.

Venue storage on stage:

DSL: Piano coffin

MSL: Orchestra shells

USL: Table and chairs

USR: Lighting storage

DSR Closet: Audio cable storage and miscellaneous item storage

DSL Closet: Projector screen, ladders,

All equipment will stay in place at all times (unless it is used), we have no other storage facilities.

WARDROBE

All Wardrobe issues are between the show and the presenter.

University policies prevent Presenter from paying for laundry service.

Laundry facilities are off campus, about 1 mile and are coin operated.

No Wardrobe facilities are available in this venue.

All dressing rooms have wardrobe racks built in; additional portable racks are available if requested prior to show date.

Small dressing rooms located on either side of stage, one large choral dressing room is located under the stage.

There is not a wardrobe room available in this venue; typically the workspace is set up in the loading dock area.

See attached venue layout diagram on page 24

Virginia Tech Used Frequency List

VIRGINIA TECH PHYSICAL PLANT

155.985	154.115	71.9
154.115	154.115	71.9
154.650	155.595	97.4
155.595	155.959	97.4
158.130	153.440	162.2
156.090	155.535	162.2
155.880	100.0	
154.430	100.0	
156.015	153.920	114.8
158.925	155.115	192.8
154.725	107.2	
162.475		
155.145	100.0	
155.565	162.2	
159.195	100.0	
156.090	155.535	192.8

Campus Wireless Ethernet:

The campus has a wireless Ethernet system using the 2.4Ghz UNI band. As per IEEE standards 802.11b and G.

Speak with Presenter about access.

Squires Student Center Two Way Radio Frequencies

856.73750 811.73750

House Wireless Microphones Frequencies

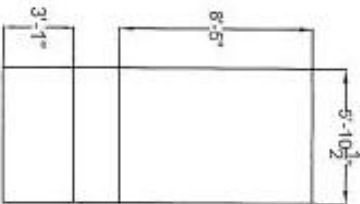
556.375Mhz
557.425Mhz
558.825Mhz
559.950Mhz

Assistive Listening Device Frequencies:

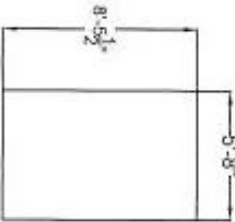
72.025Mhz to 75.950Mhz

Loading Dock Door's

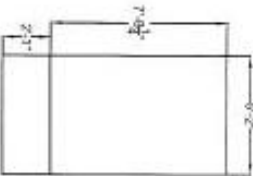
First Door



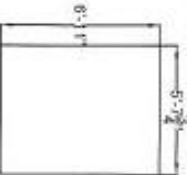
Second Door



Third Door

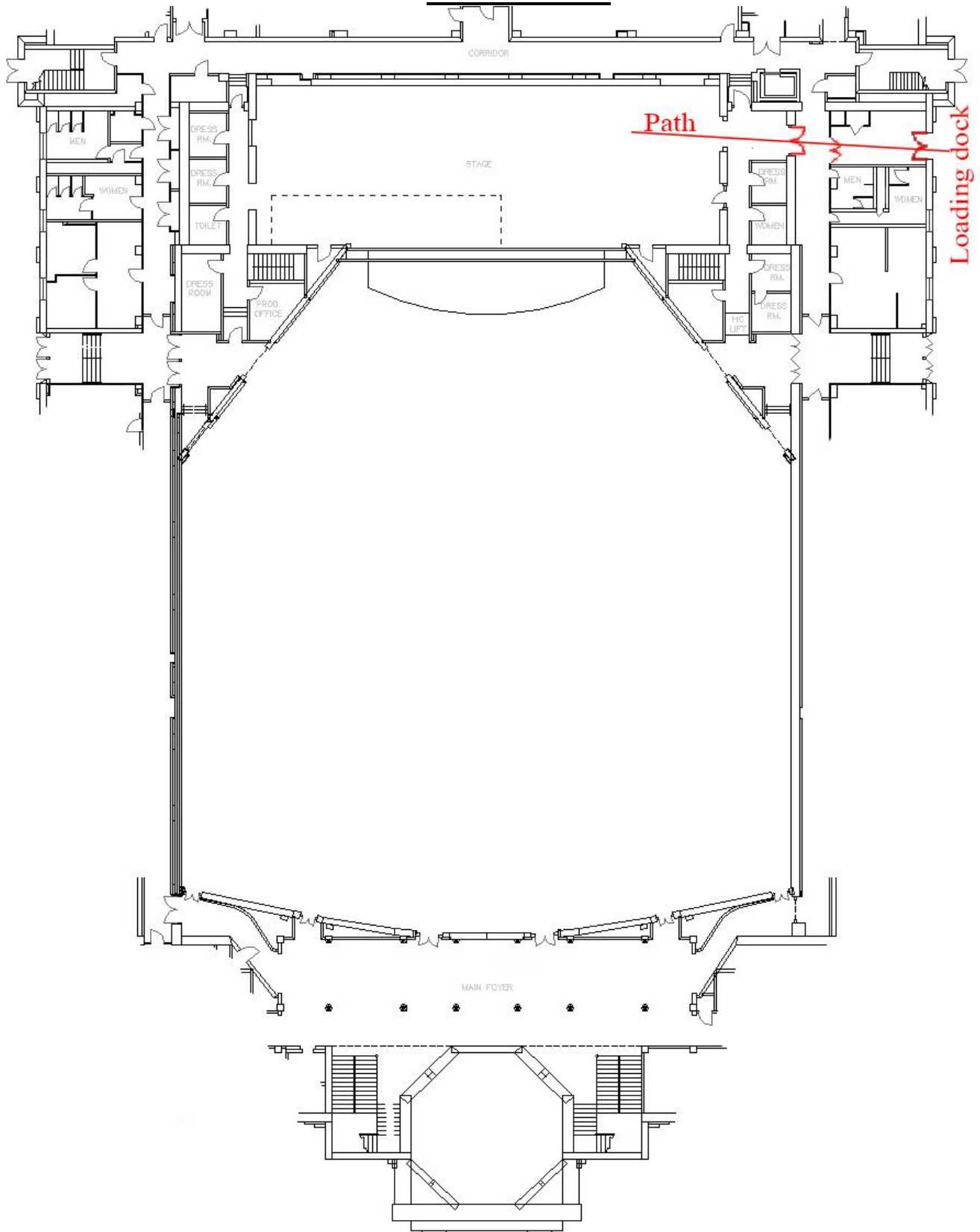


Fourth Door



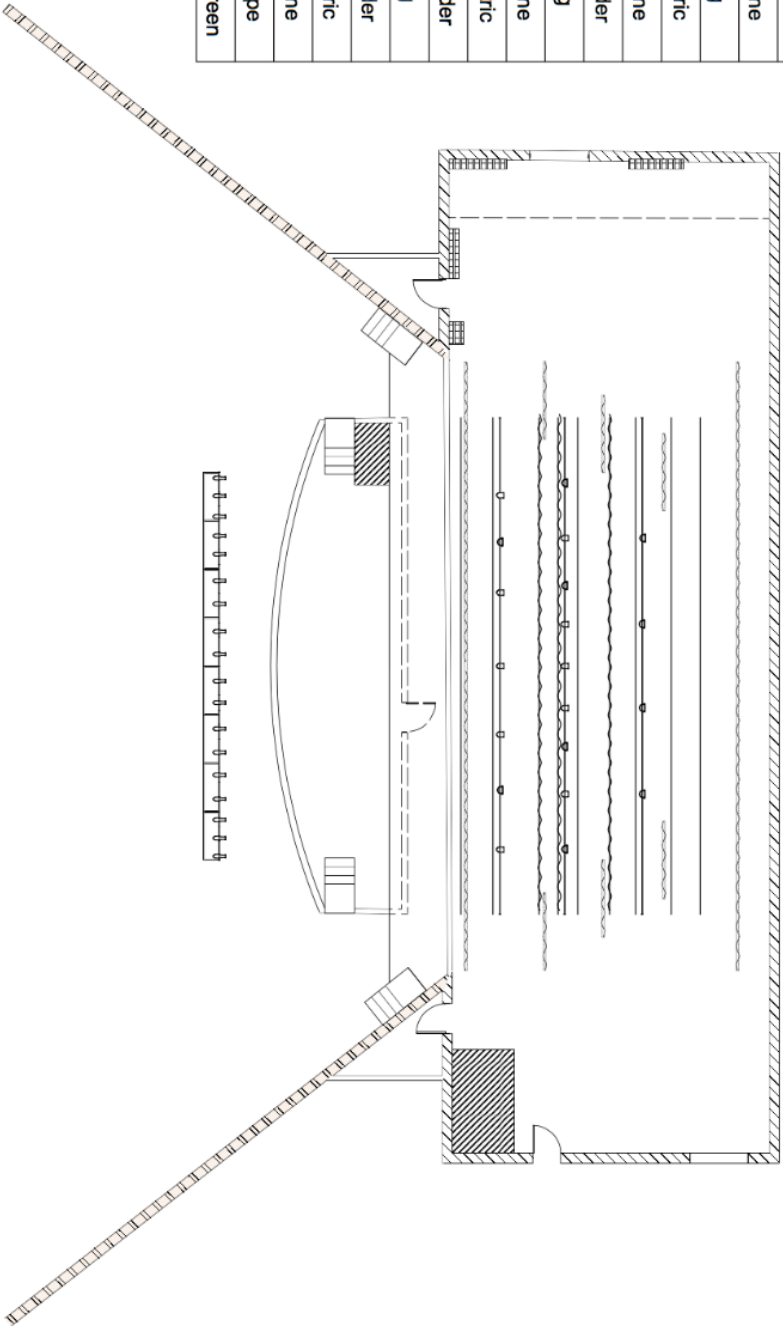
Drawn by:	
West Livingston	
Location:	Burruss Loading Dock Doors
DATE:	9/27/2017
Sheet:	1 of 1

Load-In Path



Fly System Layout

*	Back Traveler
12	Empty Line
11	Empty Line
*	3rd Leg
10	3rd Electric
9	Empty Line
8	3rd Boarder
*	2nd Leg
7	Empty Line
6	2nd Electric
5	2nd Boarder
*	1st Leg
4	1st Boarder
3	1st Electric
2	Empty Line
*	Main Drape
1	House Screen

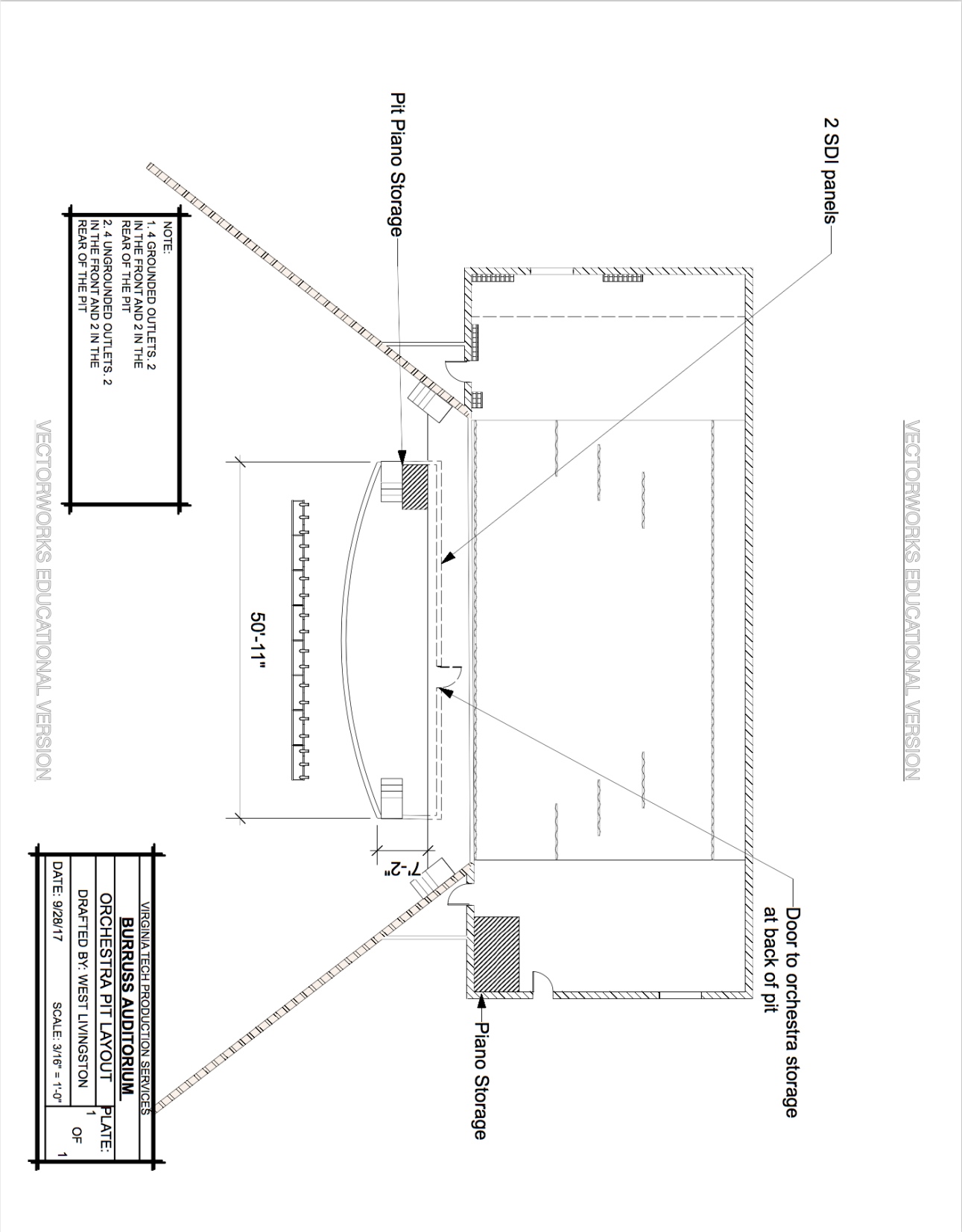


NOTE:

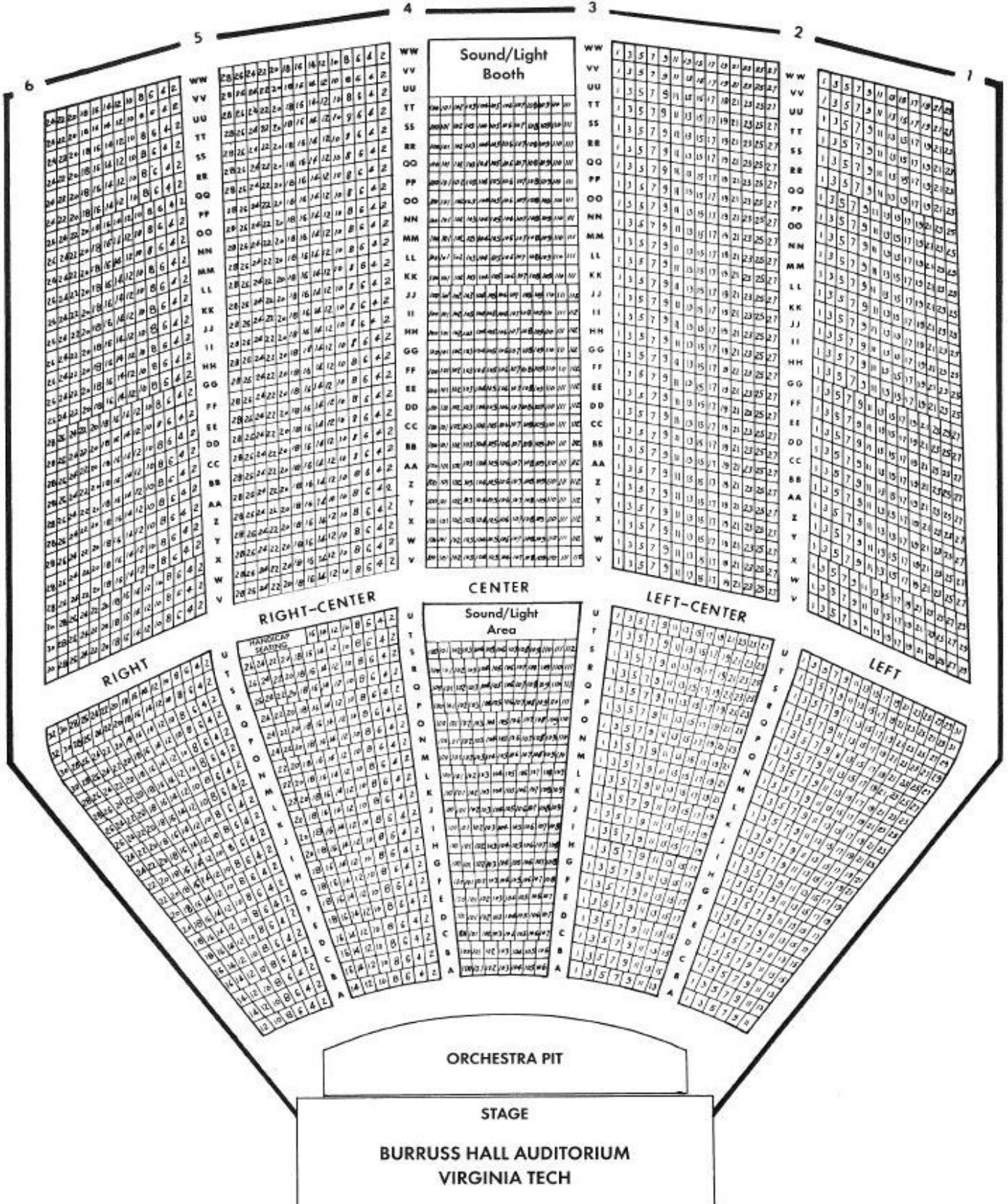
1. On Rail List * indicates a dead hung track

VIRGINIA TECH PRODUCTION SERVICES	
BURRUSS AUDITORIUM	
FLY SYSTEM LAYOUT	PLATE: 1 OF 1
DRAFTED BY: WEST LIVINGSTON	
DATE: 9/28/17	SCALE: 3/16" = 1'-0"

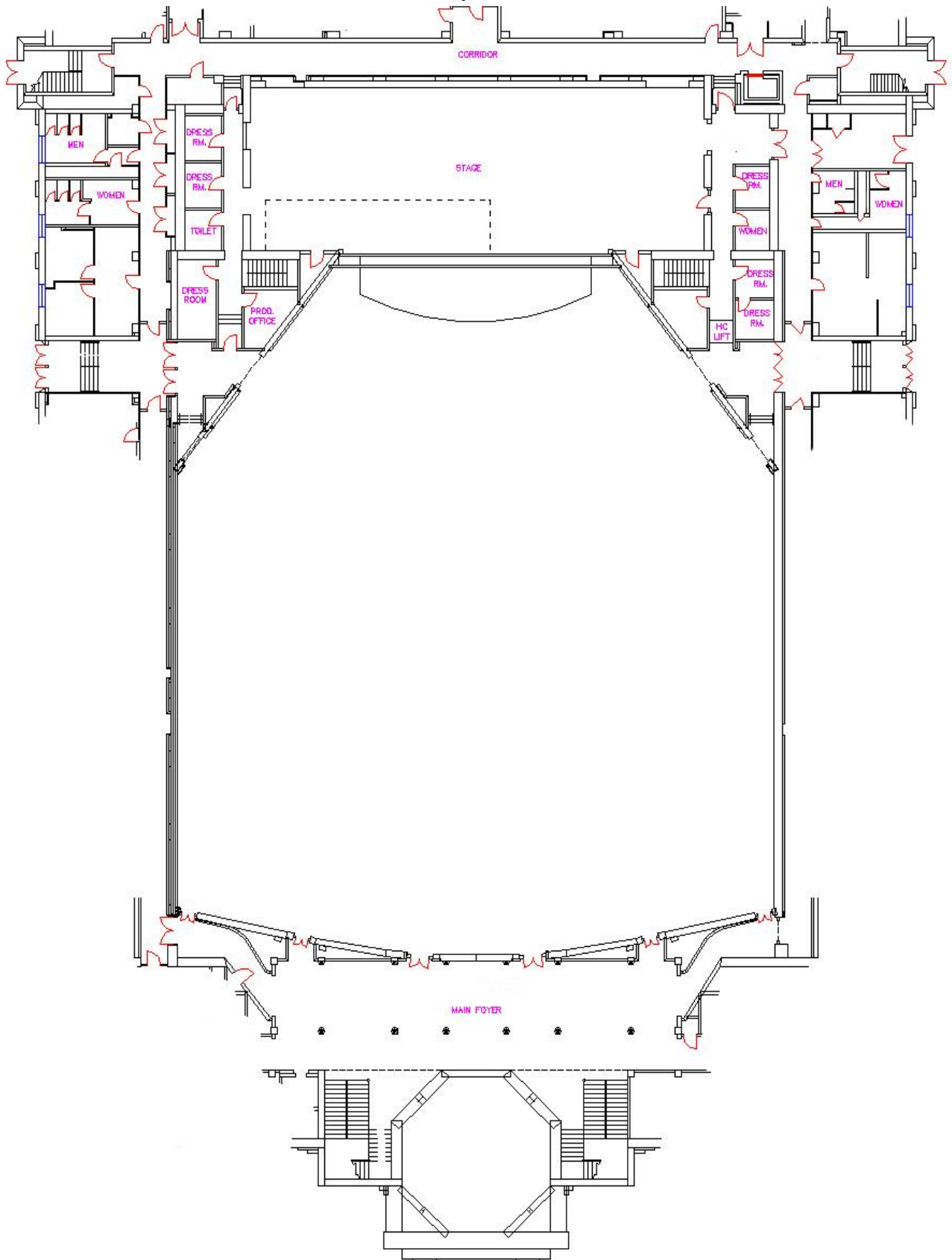
Orchestra Pit Layout



Seating Layout



Venue Layout



Stage Layout

