

**University of Lethbridge**  
**University Theatre (W500 – University Centre for the Arts)**  
**Technical Information**

**Stage Dimensions**

Proscenium Opening (fixed size)	
Width	11.44m (37'6")
Height	6.40m (21'0")
Current Line to U.S. Wall	15.60m (51'2")
Current Line to U.S. Pipe (pipe #46)	10.50m (34'6")
Current Line to Edge of Apron	4.83m (15'10")
Current Line to Edge of Stage (pit out)	0.95m (3'1")
Centre Line to S.L. wall (clear)	19.38m (63'7")
Centre Line to S.R. wall (clear)	11.60m (38'0")
Stage Floor to Grid	17.00m (55'8")
S.L. Wing to Free Height	5.80m (19'0")
S.R. Wing to Free Height	7.10m (23'3")

**Fly System**

Single Purchase Counter-weight System with 7 lines per pipe

Loading Capacity	680.4kg (1500lbs)
Length of pipes	182.5m (59'10")
Max. Fly Height	16.35m (53'8")
Lock Rail	S.R. at Stage Level
Total # of Line Sets	42
Available # of Line Sets	30 (slots 3, 14, 25 & 36 are empty)
Occupied Line Sets	#1 Main Curtain
	#8 Movie Curtain
	#21 Black Traveller
	#45 Blue Cyc
	#46 Black Backing

**Stage Floor**

Material	Painted Masonite (black) on plywood Sprung floor
Trap doors	Trapped area 12.0m x 7.0m (39'4" x 23'0") Each trap is approximately 1.2m x 2.4m (3'11" x 7'10")
Elevators	None.
Trap Height	2.6m (8'6")

## Stage Drapes

### Main curtain

Operation	Guillotine or Traveller (manual)
Material	Velour with full liner
Colour	Rusty Orange
Location	Stage Right at stage level

### Legs

Number	10
Material	Velour
Colour	Black
Fullness	0%
Size	7.6m x 4.6m (25'x15')

### Borders

Number	5
Material	Velour
Colour	Black
Fullness	0%
Size	3.0m x 18.3m (10'x60')

### Curtain Backdrops

Number	1
Material	Velour
Colour	Black
Fullness	0%
Size	9.14m x 18.5m (30' x 60')

### Traveller Curtains (other than main drape)

Number	1
Material	Velour
Colour	Black
Fullness	50%
Size of Panels	7.6m x 9.75m (25' x 32')
Full Size	7.6m x 18.3m (25' x 60')

### Cyclorama

Number	1
Material	Filled cyc cloth
Colour	Pale Blue
Size	8.2m x 18.3m (27' x 60')

## Orchestra Pit

Access	Stairwell down left
Width	12.0m (39'4")
Length	3.88m (12'9")
Depth below stage	2.09m (6'10")
Depth below Auditorium	1.28m (4'2")
Maximum musician cap.	25

## Lighting Equipment

### Light Console

W500 - ETC EOS – eight DMX universes - Backup ETC ION

### Dimmers

dimmer per circuit x 286 @2.4kw duals

Stage Right catwalk has 8 x 120v Uground circuits for LED lighting instrument runs.

### Lighting Inventory

70 – Source Four Sr. Zoom 25-50 degree 575w	
15 - Source Four Sr. Zoom 15 – 30 degree 575w	
10 – Source Four 10 degree 575w	
18 – Chauvet Colorado 2 Tour LED Fresnel	
16 – Source Four LED Ellipsoidal 50 degree	
8 - Source Four LED Ellipsoidal 36 degree	
8 @ 50 degree barrel	
20 @ 26 degree barrel	
30 @ 36 degree barrel	
7 – Chroma Q ColorForce 72” LED	
12 – ETC Vivid R 42” LED	
2 – VL 1000 Moving Lights	
2 – VL 1100 moving Lights	
	14 – Berkey Colortran 2k Fresnel
	12 – Berkey Colortran 750w Fresnel
	22 – Strand 1k Fresnel
	50 – Strand SL 575w Ellipsoidal
	24 – Source Four Jr. Zoom 25-50 degree 575w
	30 – Par Can 1000w (bulb choice – Narrow, Medium, Wide)
	6 – Apollo double gobo rotator
	2 – Atomic 3000 Strobe Light
	2 – LeMaitre Radiance Hazer
	2 – Rosco Stage Fogger

## Sound Equipment

The University Theatre sound system is a hybrid of distributed analog and EtherSound digital I/O. The analog audio consists of thirty-five mic jacks (female XLR) and a similar number of speaker jacks (1/4” Tip-Sleeve) distributed throughout the theatre and terminated at the patch bay in the Sound Booth.

Thirty-two of the mic jacks are normalled (via patch bay) to the thirty-two analog inputs of the Yamaha M7CL console. Additional mic lines are available in the FOH lighting positions 2,3,4 and 5 (two mic lines per FOH position) and terminate on an additional non-normalled patch bay panel.

The console is a [Yamaha M7CL32](#) with a total of 88 possible inputs (40 simultaneous) and 64 outputs. The sixteen analog audio outputs (referred to as OMNI OUTS) of the console are normalled (via patch bay) to four channels of amplification for onstage (passive) speakers, the LCR & surround main speaker system permanently mounted in the Proscenium, program sound, and various recording decks.

Also included is an EtherSound digital snake (via CAT5e) to two (2) [SB168ES](#) stage boxes for a total of an additional 32 input and 16 output channels available on stage.

Digital I/O to the playback computer is via 16 channels of ADAT (IN and OUT)

### Audio playback/recording:

One (1) [Stanton S550](#) dual CD deck

Two (2) [Tascam CDRw901SL](#) (CDR) decks

Two (2) [Tascam SS-R1](#) Compact Flash (CF) decks

Twenty-four (24) channels of playback via MOTU 896MK3 or 896 Hybrid using QLab or Pro Tools9 iPod/iPhone playback through a dedicated D.I. available in the sound booth

### **Amplification:**

The house system for the University Theatre consists of a 3-way arrangement of a one-inch HF driver on a [JBL2344 horn](#), a MF cabinet with two 12-inch drivers (permanently mounted in the proscenium left, right & overhead positions) with a single LF (sub) cabinet with a single 18" driver for the Left & Right channels. NOTE: the 18-inch "subs" are not permanently mounted and can be moved & repatched to just about any location.

Crossover points are 90Hz & 2kHz

The rear surround speakers consist of four mid-hi cabinets (2-way, passive crossover, 6-inch MF driver) mounted in the 5<sup>th</sup> FOH position, two each Left Surround & Right Surround.

This system is capable of ~100dB of clean audio

### **Additional (FX) speakers**

Four (4) channels of amplification are available for effect speakers:

[Yamaha P4500](#) (460W/ch @ 8 Ohms)

[Yamaha P7000s](#) (700W/ch @ 8Ohms)

### **Effect speakers include:**

Four (4) JBL [MRX512M](#) (12", 2-way) monitors (400W continuous)

Six (6) [Proficient AW400](#) (4", 2-way) compact loudspeaker (100W)

Four [QSC K12](#) (12", 2-way) active loudspeakers (1000 Watts)

Two (2) [QSC KW153](#) (15", three-way) active loudspeakers (1000 Watts)

NOTE: Audio signal to active loudspeakers is via distributed mic jacks or stage boxes

### **Program Sound**

Program sound supplies auditorium audio to Dressing rooms, Green Room, Lobby, Box Office, Latecomers' Booth and the W588 Recording Studio

### **Sound Shell\***

Wenger Concertmaster Rolling Shell	12 units
Wenger Concertmaster Ceiling Panels	3 rows
Wenger Concert Risers ( 4' x 8')	12 @ 24"
	6 @ 16"
	4 @ 8"
Wenger Concert Risers (for above)	4 @ 24"
	4 @ 16"
	4 @ 8"

\*Labour required to set up full orchestra shell will be charged back to the user

### **Dance Floor**

## Projection

### Screen

## Dressing Rooms

Located off Stage Left at Stage Level

6 Dressing rooms c/w tables, lights, mirrors, showers and toilets (additional wardrobe racks can be made on request)

- Dressing Rooms 1 & 2 accommodate 1 person each
- Dressing Rooms 3 & 4 accommodate 6 persons each
- Dressing Rooms 5 & 6 accommodate 10 persons each

## Green Room

Equipped with small kitchenette (sink, microwave, refrigerator, cupboards with basic utensils and cutlery)

Seating, landline telephone, tables

## Wardrobe

Located off Stage Left and up 1 floor

Equipped with washer, dryer, steamer and irons

## Rehearsal Rooms

W425 (David Spinks Theatre)

W420 (Drama Studio)

W480 (Music/Drama Studio)

W401 (Fine Arts classroom)

Rehearsal/warm-up spaces may be arranged and included in rental agreements as long as there are no class or university activity conflicts.

Additional spaces on campus, not affiliated with the University Theatre spaces must be booked separately with separate agreements through University Conference and Event Services (cnf@uleth.ca)

## Loading Dock

Located off Stage Left, approximately 60m (200feet) from the stage

Stage door is at Stage Level

Dock is 1.2m (3'10") above ground level

Loading Door

Max. Height 3.5m (11'5")

Max Width 2.4m (7'10")

Access to the Loading Dock is very restricted. License plate numbers of vehicles accessing the loading dock must be provided to Theatre Operations Supervisor at least 1 week prior to accessing loading dock.

## **Union Affiliation**

Full-time Theatre staff are members of the Alberta Union of Provincial Employees (AUPE).  
There are NO OTHER union affiliation or contracts.

## **For more information:**

**University Theatres Technical Director**  
**James McDowell**  
**403-317-2871 | [mcdowell@uleth.ca](mailto:mcdowell@uleth.ca)**