



S.E Belcher Jr. Chapel and  
Performance Center

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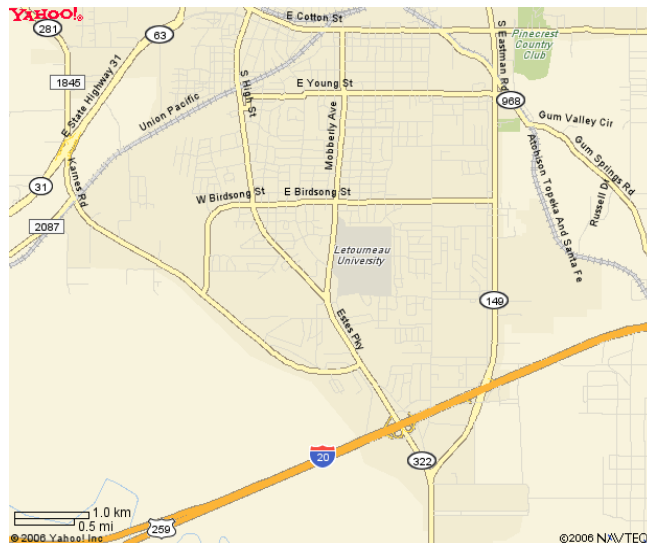
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## S.E. Belcher Jr. Chapel and Performance Center Technical Specifications



Belcher Center opened in the spring of 2007, the S.E Belcher Jr. Chapel and Performance Center seats over 2,000 people. This state of the art facility features motorized rigging, a Yamaha PM5D digital audio console, and an ETC Expression 3 lighting console.

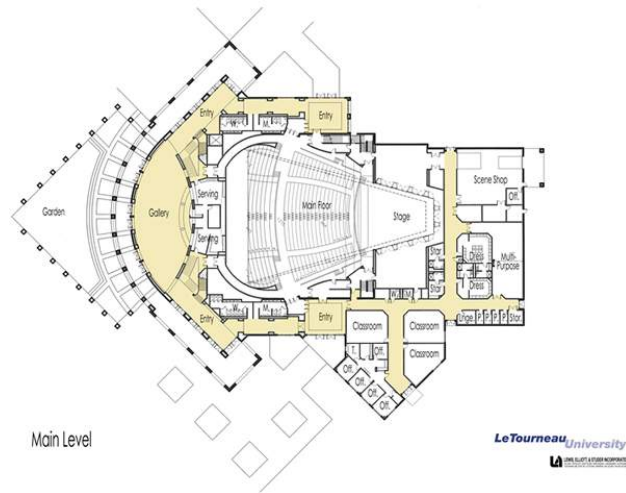


### Directions

Longview is served by Interstate 20 between Shreveport and Dallas. Persons interested in traveling by plane may fly directly into Longview or Shreveport, LA (60 miles east) via DFW. Amtrak and Greyhound services are also available in Longview.

LeTourneau University's main campus is at 2100 S. Moberly Ave. Longview, TX 75602. The campus is easily accessed by taking the Estes Parkway exit (595B) from I-20 and proceeding north. The University's switchboard can be reached at 1-800-159-8811 or 1-903-233-3400.

**House**



**Maximum Total Seating 2004**

**Fixed Seating**

Floor Level	1346
Balcony 1 Level	289
Balcony 2 level	287
Box Seats-Balcony 1 level	16
Box Seats-Balcony 2 level	16

**Removable Seating 50**

House sound location	6-12
Wheel Chair seating	4
Possible wheelchair locations	28

**House Measurements**  
 Distance from PL to back wall of House is 110'  
 Height of last row of 2<sup>nd</sup> Orchestra above stage is 11.33'  
 Height of 1<sup>st</sup> Balcony above stage is 27.33'  
     Last row is additional 8' 9"  
 Height of 2<sup>nd</sup> Balcony above stage is 47.33'  
     Last row is additional 8' 9"

**Dressing Rooms**  
 2 Principle Rooms  
 2 Group Rooms  
     Group 1 seats 10

Group 2 seats 17  
 All Dressing rooms contain hot & cold water, showers, toilets, lighted makeup mirrors, chairs, tables, and wardrobe racks. Group rooms contain iron and steamer. Principle rooms contain phone and high speed internet access.

All Dressing rooms have 2 channel Clear Com wall mounted stations.

**Wardrobe**  
 10 Wardrobe racks  
 1 Washing Machine  
 1 Dryer  
 2 Irons (located in Group Dressing Rooms)  
 2 Steamers (located in Group Dressing Rooms)  
 3 Stand up mirrors

**Loading Dock**  
 Dock is located on the North West side of the Belcher Center  
 Bays – 3  
 Dimensions – 65'9" wide, 4' high. Drive is 79'4"  
 Docking plate – dock leveler – 5" above or below dock level  
 Loading Door Dimensions – 9'4" wide X 9'4" high  
 Location from stage – Through scene shop to backstage (SR). Served by 12' wide x 19'6" high overhead doors  
 Loading dock to backstage is 62'. All stage level  
 Parking available for multiple trucks and busses.  
 Shore power available near dock

**Stage**

**Stage Dimensions**

Proscenium width	60'
Proscenium height	30'
Proscenium width with torm walls	44'8"
Proscenium height—lowered	24'
Stage width	100'4"
Center line to stage left wall	50'2"
Center line to stage right wall	50'2"
Stage depth -Distance to Plaster Line:	
To back wall	37'
To DS apron	6'
To DS lift edge	16'
Stage height from floor	4'

**Orchestra Pit**  
 Hydraulic screw lift, controlled by handheld remote from stage left or from jack in lift floor. Lift can be stopped at any level. It doubles as an apron extension when at full height. Two sets of

<p>portable steps with rails available when stopped at 2' below stage level.</p> <p>Pit elevation from stage floor -8' Pit width 50'</p> <p>Pit depth at center line 10' at SR &amp; SL 7'</p> <p>Pit area 410 ft.<sup>2</sup> Pit area with pit down in play position 600 ft<sup>2</sup></p> <p>Pit musician capacity: 11/16 ft<sup>2</sup> per musician 53/36</p> <p>Entry to pit — stairs SL &amp; SR of pit, out of audience sight.</p> <p>Note: When the pit is at lower level there is an additional 4' under stage apron.</p> <p><b>Stage Floor</b> Description—Sprung flooring suitable for dance.</p> <p>Construction from top down: -3/4" tongue &amp; groove edge grained yellow pine -3/4" plywood sheathing -1" x 2" furring strips on 12' centers -3/4" plywood sheathing -1"x2" furring strips on 12" centers off set -Cement slab</p> <p>Marley Dance floor available</p> <p>Fasteners allowed: No</p>	<p>Located SL &amp; SR at grid level. 3 1/2" ID schedule 40 pin rails with 7/8" steel pins welded through pipe on 12" - 18" centers.</p> <p style="text-align: center;"><b>House Draperies</b> <b>(Soft Goods)</b></p> <p><b>Main Curtain</b> Travel or guillotine Maroon 25 oz. lined velour with 50% fullness 38' 6"W x 31' 6"H each half</p> <p><b>Main Valance</b> Maroon 74'W x 15'H</p> <p><b>Borders</b> Black (5) - 74'W x 10' H</p> <p><b>Legs</b> Black (6) - 12'W x 31' 6"H</p> <p><b>Mid-Stage Traveler</b> Black 25 oz. velour with 50% fullness 38'W x 31' 6"H each half</p> <p><b>Upstage Traveler</b> Black 25 oz. velour with 50% fullness 38'W x 31' 6"H each half</p> <p><b>Scrim</b> — None</p> <p><b>Cyclorama</b> — sky drop Natural seamless muslin</p>
<p style="text-align: center;"><b>Rigging</b></p> <p><b>Grid Height</b> 70'</p> <p><b>Grid Construction</b> 3" steel channel on 6" centers. Maximum 3" between channels. Grid extends over entire stage area from plaster line to back wall.</p> <p><b>Motorized Rigging System</b> Vortek motorized linesets. Variable speed. Control center SL</p> <p><b>Working Linesets</b> See LINESET SCHEDULE</p> <p><b>Batten Length</b> 74' 1 1/2" Schedule 40</p> <p><b>Batten Trim</b> High 62' 6" Low above stage floor 3'</p> <p><b>Pin Rail</b></p>	<p style="text-align: center;"><b>Electrical Service</b></p> <p><b>Company Switches</b></p> <p><b>Lighting</b> 120/208/400A/3P/5 wire. Located stage right. Camlock connectors.</p> <p><b>Sound</b> 120/208/200A/3P/5 wire. Located stage right. Camlock connectors.</p> <p><b>Broadcast</b> 120/208/200A/3P/5 wire. Located stage right stairwell. Camlock Connectors.</p> <p style="text-align: center;"><b>Lighting System</b></p> <p><b>Production</b> ETC Expression 3 with Emphasis 3D 3 Monitors Designer's remote located FOH 37' from PL on CL. Stage focus DMX controller—Handheld ETC remote</p> <p><b>House light controls</b></p>

ETC Unison ER4 multiple presets. Control panels in all key areas. House lights may also be controlled by production console.

### Dimmers

Circuits—388 Theatrical dimming circuits @ 2.4 kw (not including house, work or safety lights).

### FOH Lighting Positions

There is a full catwalk system for FOH lighting

	Distance to P.L.	Height above stage	Angle
#1 Ceiling Cove	53'	68'	52°
#2 Ceiling Cove	75'	68'	42°
#3 Ceiling Cove	100'	68'	34°
#1 Box Boom	6'	32'	
#2 Box Boom	46'	36'	
Follow Spots	105'	68'	34°

### Lighting Instrument Inventory

Qty	Description	Lamp
4	ETC Zoom Ellipsoidal 15° - 35°	HPL-575
10	ETC Zoom Ellipsoidal 15° - 35° w/ twist lock connectors	HPL-575
19	ETC Source 4 36° Ellipsoidal	HPL-575
10	ETC Source 4 26° Ellipsoidal	HPL-575
36	ETC Source 4 10° Ellipsoidal	HPL-575
8	ETC Source 4 5° Ellipsoidal	HPL-575
68	ETC 6" PARNEL	HPL-575
12	PAR 64's	1000 W
7/3cell	Altman Focusing CYC	1000 W
2	Lycian 1275's follow spots	1275 W

### Accessories

2 Heavy duty boom stands — 10' x 1 1/2" pipe

4 Heavy duty boom stands— 8' x 1 1/2" pipe

20 Sliding t-arms w/ C-clamps

All instruments include c-clamp, safety cable and color frame

All connectors are 20A 2P+G stage pin (unless noted)

Stage focusing — JLG scissor lift, 21" Little Giant A-frame ladder

### Video

#### Video/Data Projectors & Screens

- Digital Projection Inc., 16,000+ lumens 3 DLP 2000:1 contrast ratio, 1400 x 1050 resolution. Accepts most Video formats including HDMI, DVI, VGA to 1600 x 1200, RGBHV, HDTV, component, S-Video & composite. Mounted in Lighting Booth on CL
- Stewart Model C Electiscreen 15'H x 26'6"W Tab tension screen Ultramatte 130 surface Mounted just DS of proscenium of CL
- DPI dVision 30XP 5500 Lumens, DLP 6000:1 contrast ratio
- DaLite Professional Electrol Screens 10' 6"H x 14'W Mounted left & right of proscenium

There is no prewired rear projection drop

#### Video Sources

- VGA interfaces — in lighting booth & onstage
- DVD video playback
- SVHS/VHS video playback & record
- Additional video sources can be readily incorporated. Please inquire about your needs.

**Video Monitors** are located in stage manager's rack, sound booth, lighting booth, orchestra pit, & house mix position

### Sound

#### House Sound Console

Yamaha PM5D

48 mic preamps, 64 channels,

Redundant power supply

#### House mix position

110' from PL and SR of CL. 6 seats under balcony but has a direct line of sight of main speakers.

#### Concert mix position

70' from PL. Mass connector to connect to stage mic jacks. 10" PVC conduit to backstage, SR.

#### House processing

Media Matrix Nion DSP system permanently tuned by acoustical consultant. Digital console has a

<p>wide assortment of effects, EQ's &amp; compressor/gates.</p> <p><b>Monitor EQ</b> Each monitor send has a BSS 31 band graphic EQ</p> <p><b>House Acoustics</b> – Quality and uniformity are very good. Acoustics are tunable with 6 motorized acoustic curtains.</p> <p><b>House Speaker Systems</b> <b>Left/Right Split Clusters</b> - Clusters consist of the following Meyer Sound self powered speakers: 8 - CQ-2 High Q speakers 4 - MSL-4 High Q long throw speakers 4 - PSW-2 subwoofers (2x15)</p> <p><b>Box Seats</b> - 4 Meyer sound UPM-1P powered speakers</p> <p><b>Under Balcony</b> - all under balcony seats have a direct line of sight to the main cluster</p> <p><b><u>Additional Ground stacks:</u></b> <b><u>QSC KW series</u></b> <b>2-KW153</b> 3-way Tops Per Side Speaker: 15" Three-Way Power: 1000w Coverage Angle: 75° Axisymmetric Peak SPL: 134 dB</p> <p><b>2-KW181 18"</b> Subs Per Side Speaker: 18" Power: 1000w Peak SPL: 135 dB</p> <p><b>Monitor Speakers</b> 4 community XLT 48E-64 8 monitor sends are available each with 31 band EQ 6 Mixes with 6 Monitor wedges</p> <p><b>In Ear Monitors</b> – 8 units available upon request</p> <p><b>Assistive Listening System</b> Listen Technologies RF systems</p> <p><b>Amplifiers</b> All amplifiers are QSC CX Series</p> <p><b>Production Intercom</b> <b>Clear Com</b> - 4 channel main station Permanent stations located in all key positions. <b>Dressing room page</b> - 2 station clear com remote wall mounted speaker stations are located in all dressing rooms and green room.</p> <p><b>Microphones</b></p>	<p><b>Wireless</b> -6 Sennheiser EW345/322G3—Handhelds and body packs -2 Sennheiser EW345/322G2—Handhelds and body packs -6 Sennheiser MKE 2 omni-directional lavalier microphone --2 Countryman E60W5L</p> <p><b>Wired</b> (4) Shure SM58 (6) Shure SM57 (4) Shure SM81 (6) Crown PCC 160 (3) Sennheiser e604 (2) Sennheiser MD421 (1) AKG D112 (2) AKG C451 (2) Audix SCX25A (2) Neumann KMS 104 (1) Neumann TLM 49 (2) Audio Technica AT4050 (1) Earthworks TC30</p> <p><b>Playback and Record</b> CD Player &amp; Recorder Computer Hard Drive Recorder Compact Flash Recorder Cassette Player &amp; Recorder</p> <p><b>Piano</b> Mason &amp; Hamlin Model BB 7ft.</p>
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