Technical Specifications 2017/2018
Emens Auditorium, Ball State University, Muncie IN

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LOADING DOCK
The loading dock is approximately 48 inches above ground level and is stage level with two dock levelers. Stage entrance door is 10’ x 10’. The loading dock area can accommodate two trucks at the dock and parking for three buses near the stage entrance. Shore Power for 2 buses located on the wall running perpendicular to the dock.

STAGE
Proscenium: 85’ wide x 30’ high
Stage depth: Proscenium wall to back wall = 40’
Apron to back wall: 60’
Wing space: Stage right = 30’  Stage left = 30’
Overall width of stage: 145’
Size of apron: 4’ deep x 85’ wide’
Size of orchestra pit: 14.5’ depth in center & 9.5’ depth at ends x 60’ width height is adjusted by hydraulics
Height from floor to grid: 76’
Distance from proscenium to F.O.H. light positions: 75’
Distance from proscenium to spot light booths: 160’
Distance from proscenium to balcony overhang: 101’
Distance from B.O.H. to orchestra pit lip: 113’
Distance from upstage pit to Act Curtain: 7’ 1”

PROPERTIES
65 - Music stands (Manhasset)
70 - Music stand lights
80 - Musician chairs
Conductor’s podium
Orchestra pit carpet
2 - 6”x4’ x 4’ riser platform
5 - 6”x4’ x 6’ riser platform
6 - 6”x4’ x 8’ riser platforms
8 - 12” x 4’ x 6’ riser platforms
10 - 18” x 4’ x 6’ riser platforms
10 - 24” x 4’ x 6’ riser platforms
19 - 30” x 4’ x 6’ riser platforms
2 - 24” x 4’ x 8’ riser platforms
1 - Steinway & Son’s concert grand piano
LOCKING RAIL
Counterweight system located stage right
Mid rail located stage right with cable pick pin rail
54 lines on 8” centers
15’ Arbors
92’ Battens
Maximum load per batten = 1500 lbs. (Line plot attached)

SOFT GOODS:

<table>
<thead>
<tr>
<th>LEGS(TRAVELER)</th>
<th>BORDERS</th>
<th>FULL B.O.CURTAINS</th>
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</thead>
<tbody>
<tr>
<td># of pairs: 4</td>
<td>3 @ 15 x 92</td>
<td>Quantity: 1</td>
</tr>
<tr>
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<td>1 @ 15 x 60</td>
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<table>
<thead>
<tr>
<th>FULLTRAV.CURTAINS</th>
<th>SCRIM</th>
<th>CYC</th>
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<td>Quantity: 1</td>
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<tr>
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<td>Size: 40x85</td>
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</table>

DRESSING ROOMS
Two chorus rooms located below stage can accommodate 20 each.
Three star dressing rooms are at stage level (2 stage left and 1 stage right).
Rooms are equipped with make-up tables, mirrors, lights, chairs, showers, toilets and sinks.
NOTE: Star dressing room stage right does not have shower and is often used as visiting technical office.
Laundry room located below stage near dressing rooms w/2 washers, 2 dryers, 2 steamers & 2 irons.

SOUND EQUIPMENT- CONTACT CHRISTIAN O’BRIAN FOR MORE INFORMATION
House Sound: FOH
Digico SD10 with Single SD Rack Stage Left (56 Inputs)
Console is located at center under balcony.
*There is secondary platform (21’w x 11’d) at the back wall for traveling shows.*

House Mains:
Center Cluster: 6 - JBL Vertec 4888
L/R Clusters: 10 - JBL Vertec 4888 DP
Subs: 8 - JBL Vertec 4880A (can be deployed in a cardioid)
Lip Fills: 8 - JBL MS 26
Under Balcony: 8 - JBL Control 29
4 - JBL SRX 725 for out and in Fill as needed
8- L-Acoustics 112 P Self Powered Monitors

Miscellaneous:
Analog Split terminates off stage left.
Dual channel Clear-Com system (A, B & 2 dry lines)
Cast call and Program to dressing rooms, green room operating booths and off stage.
Stage Power Distribution as Needed
LIGHTING EQUIPMENT CONTACT GAROD CAVANAUGH FOR MORE INFORMATION:

We have an ETC EMPHASIS server with 2-INSIGHT faceplates. There is an ETC Network with DMX Nodes (4 assignable DMX ins or outs) located SL, SR, Dimmer Room, & Control Booth. Either the Unison system or the light board can control House Lights. We have a GrandMA2 (Full Size) Console that is available at an additional cost.  
*There is a secondary platform (21’w x 11’d) at the back wall for traveling shows*

**Dimmer per circuit:**
311 - 20 amp circuits broken up as follows:
48 - Circuits at FOH Position
28 - Circuits on batten #5
28 - Circuits on batten #15
20 - Circuits batten #34
18 - Circuits on each of the following battens: #9, 21, 30, 43, 50
32 - Circuits in floor pockets on S.R.
32 - Circuits in floor pockets on S.L.  
**NOTE:** All 48 FOH circuits are accessible at stage manager’s panel S.R. for transfer patch use. (3 pin stage connectors)

**Instruments:**
40 - 19° Source 4 (FOH)
8 - 10° Source 4 (FOH)
60 - 1k 8” Fresnels (Century)
10 - 2k 12” Fresnels (Century)
60 - Altman Par 64’s
40 - Source 4 Pars
6 - 1k 4 color Far Cyls (Berkley Colortran)
10 - 19° Source 4
35 - 26° Source 4
35 - 36° Source 4
10 - 50° Source 4

**Intelligent fixtures: Additional charges apply.**
12 - Martin MAC Vipers Profiles
4 - Martin MAC Vipers Performance
16 - Mac 101 RGB LED
20 - Mac 301 LED
1 - DF-50 Reel FX Hazer

**Spotlights:**
2 - 2.0K Xenon Strong Super Trouper4

**Power Distribution:**
All with Cam-Lock or lugs for tie-in
Located in basement Down Right (accessible through floor pocket):
2-400 amps 120/208

Located Up Right within 50’ of center:
400 amps 120/208
200 amps 120/2084

Located Down Left:
Sound Power on and Isolated Transformer
200 amps 120/208
Emens Auditorium

BATTENS LINE SET LIST

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<tr>
<th>Pipe</th>
<th>Distance</th>
<th>Description</th>
<th>Pipe</th>
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<td>Grand Border</td>
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<tr>
<td>2</td>
<td></td>
<td>House Legs</td>
<td>32</td>
<td>19’ 4”</td>
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<tr>
<td>3</td>
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<td>Act Curtain</td>
<td>33</td>
<td>20’ 0”</td>
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<td>4</td>
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<td>Border / Full Traveler</td>
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<td>Legs</td>
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* - Spare