



**P E A R S O N**  
**LAKES ART CENTER**

# Technical Facilities Description

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## Lauridsen Performing Arts Theatre

Pearson Lakes Art Center, Okoboji Iowa

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Document contains all technical specifications for the Lauridsen Performing Arts Theatre, with architectural drawing of the stage, and seating chart of the house.



**PEARSON LAKES ART CENTER, OKOBOJI, IA**  
**LAURIDSEN PERFORMING ARTS THEATRE,**  
**TECHNICAL FACILITIES DESCRIPTION**

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## **STAGE**

DIMENSIONS	Proscenium opening	32" wide x 16' high
	Stage depth from proscenium to upstage wall	18' deep
	Apron depth from stage front to proscenium	6' deep at centerline, 5' deep at proscenium walls
	Stage width behind curtain	56' wide
	Total stage depth at centerline	24' deep

STAGE FLOOR        Matt black in color – not sprung for dance.

LOADING DOCK     At stage level on the east side of building

FREIGHT ELEVATOR     Freight door: 8' wide x 8' high, located stage left

## **DRESSING ROOMS**

CHORUS DRESSING ROOMS    2 large lockable dressing rooms located downstairs from the stage.  
2 single bathrooms located next to them

## **RIGGING**

LINE SETS        13 Manual Hand Winch Operated Line sets  
                      4 dedicated to lighting (with 1000 lb capacity)  
                      1 dedicated to teaser  
                      3 removable 8' borders  
                      1 removable black scrim  
                      1 removable cyclorama

HOUSE CURTAIN - Black velour with border on bottom – variable speed motor to draw open and closed

HOUSE GOODS    3 black velour borders hung in front of electrics  
                      Legs hung on a dead hung track system with walk along operation to create black out and masking.  
                      Legs store on the back or sidewalls and can be arranged with 3 different black out positions

SCRIM            1 black scrim located back of stage.

CYCLORAMA      1 white cyclorama located back of stage.

## STAGE RAIL LAYOUT

LINE SET NUMBER	LOCATION OF HAND WINCH	PERMANENT RIGGING
1	Stage Left Rail	Teaser
	Stage Right	House Curtain –Motorized
2	Stage Left Rail	1 <sup>st</sup> Electric
3	Stage Left Rail	8' Border
4	Stage Right Rail	2 <sup>nd</sup> Electric
5	Stage Left Rail	
6	Stage Right Rail	
7	Stage Left Rail	8' Border
8	Stage Right Rail	3 <sup>rd</sup> Electric
9	Stage Left Rail	
10	Stage Right Rail	4 <sup>th</sup> Electric
11	Stage Right Rail	Border
12	Stage Right Rail	Scrim
13	Stage Left Rail	Cyclorama

## INTERCOM HEADSETS

CLEAR-COM            2-channel headset system  
                              CS-222 base station with 3 outputs per channel  
                              6 - 501 single channel belt packs  
                              4 - KB111A speaker stations  
                              6 - CC75B Clear-Com single-muff headsets  
                              2 - CC240B Clear-Com double-muff headsets

## SOUND SYSTEM

SOUND CONSOLE	Crest X-Four 32 Audience level mixing desk located at back of auditorium  PreSonus StudioLive 32.4.2AI Digital Mixing Console
PLAYBACK	MARANTZ PMD331 – CD TASCAM 122MKIII – Cassette
RECORDING/ PLAYBACK CAPABILITIES	TASCAM CD-RW2000 – CD Recorder Capture 2 Recording Software / Studio One Recording & Remix Software / 5 disc Audio CD Duplicator
HOUSE SPEAKERS	Main cluster, stereo pair at side of proscenium arch
MICROPHONES	32 microphone lines, 24 microphone line splitter. Mic lines routed to stage or house booth  <ul style="list-style-type: none"><li>1 Shure Beta SM 87A - Best Vocal</li><li>4 Shure Beta SM 58A - Vocal</li><li>4 Shure Beta SM 57A - Vocal and Instrument</li><li>2 Shure SM 81 - Piano or Drum Overhead</li><li>1 EV RE20 - Bass Instrument or Bass Drum</li><li>2 Sennheiser MD 421 – Instrument</li><li>3 Crown PCC-160 - Floor Microphones</li><li>1 Shure LX24/Beta 87 - Handheld Wireless – Vocal</li><li>5 SLX 2B 87A – Handheld Wireless – Best Vocal</li><li>4 SLX 2B 58 – Handheld Wireless - Vocal</li><li>1 Shure Drum Kit (6 Pcs.)</li><li>1 Crown Head Set Wireless - Vocal</li><li>2 Shure LX14/95 lapel - Clip on Wireless</li><li>2 Crown CM-31B - Hanging Microphones for Chorus</li><li>2 Countryman 85 - Common Direct Boxes</li><li>2 Active Direct Box</li><li>4 Radial Pro - Stereo Direct Box</li><li>1 Jensen DB-2PX - For hooking up a playback system back stage</li></ul>
MICROPHONE STANDS	15 Large Boom 1 Small Boom - Kick 6 Large Straight Round Base 4 Small Round Base
EFFECTS	12 effects/monitor channels with eight (8) on the stage and two (2) in auditorium ASHLY PROTEA SYSII 4.24G – (4 channels EQ, delay, + compression for cluster, L-R playback, and extra channels) BSS DPR-404 COMP/DE-ESS - (4 channels compressor/de-esser) 2 -DBX 1046 QUAD COMP/LIM - (4 channels compressor/limiter) LEXICON MPX500 - (reverb + effects)

## MONITOR SYSTEM

A&H GL2200 24 - (could do 6 monitor mixes)

3 - ASHLY MQX2310 - (dual channel 1/3 EQ for monitors)

6 - Community CSX38-S2 - Monitor Wedges

2 - Community CSX35-S2 - Monitor Sidefills

## LIGHTING SYSTEM

LIGHT BOARD	ETC Express 24 sub-channels: located in projection booth at back of auditorium
LIGHT INSTRUMENTS	26 ETC Source Four 50 Degree Lekos 36 ETC Source Four 36 Degree Lekos 20 ETC Source Four 26 Degree Lekos 10 ETC Source Four 19 Degree Lekos 8 ETC Source Four 15-30 Zoom Lekos 24 ETC Source Four PAR-EA with four lenses 6 Altman R40-6/3 Border Lights 4 Diversitronics DMX Strobe Canons
EFFECTS	2 - Gam Source IV Variable Speed Twinpins 8 - ColoramII DMX color changers 2 - Source IV Iris Le Maitre Special Effects DMX Neutron
FOLLOWSPOTS	2-2000w Lycean Midget's operated from projection booth
DIMMERS	146 Available Dimmers
FRONT-OF-HOUSE LIGHTING	1 <sup>st</sup> ceiling position 2 <sup>nd</sup> ceiling position 1 box boom on either side of stage
ON-STAGE ELECTRICS	4 electric bridges provide easy hang and focus positions

### **DIMMER NUMBERS AND LOCATIONS**

<b>CIRCUIT #'S</b>	<b>LOCATION</b>	<b># AVAILABLE</b>
1-18	1 <sup>st</sup> Beam Front of House	18
19-42	2 <sup>nd</sup> Beam Front of House	24
43-48	Stage Left Box Boom	6
49-54	Stage Right Box Boom	6
55-78	1 <sup>st</sup> Electric	24
79-94	2 <sup>nd</sup> Electric	16
95-110	3 <sup>rd</sup> Electric	16
111-130	4 <sup>th</sup> Electric	20
131-134	Stage Left Drop Box	4
135-138	Stage Left Drop Box	4
139-142	Stage Right Drop Box	4
143-146	Stage Right Drop Box	4
148-152	House Lights	Not Included in Total Count

OTHER	Architectural interface control for house lights, architectural lighting, stage rehearsal lights, and basic concert and meeting room lighting Remote Focus Unit also available
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## **INSTRUMENTS**

### **DRUMS**

Yamaha Maple Custom  
22" Bass Drum  
14" Rack Tom  
14" Snare Drum  
12" Mounted Tom  
10" Mounted Tom  
High Hat  
3 Cymbal Stands

### **PIANO**

6' ½" Baldwin Grand Piano  
Young Chang Upright Rehearsal Style

## **PROJECTION**

### **PROJECTOR**

Sony LCD Data Projector

### **PLAYBACK**

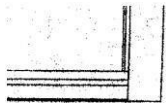
Sony DVD Player/Video Cassette Recorder  
Samsung Blue Ray Player  
Samsung Techwin SDP-950 High Resolution Digital Present  
- The Overhead Alternative

## **MUSIC STAND**

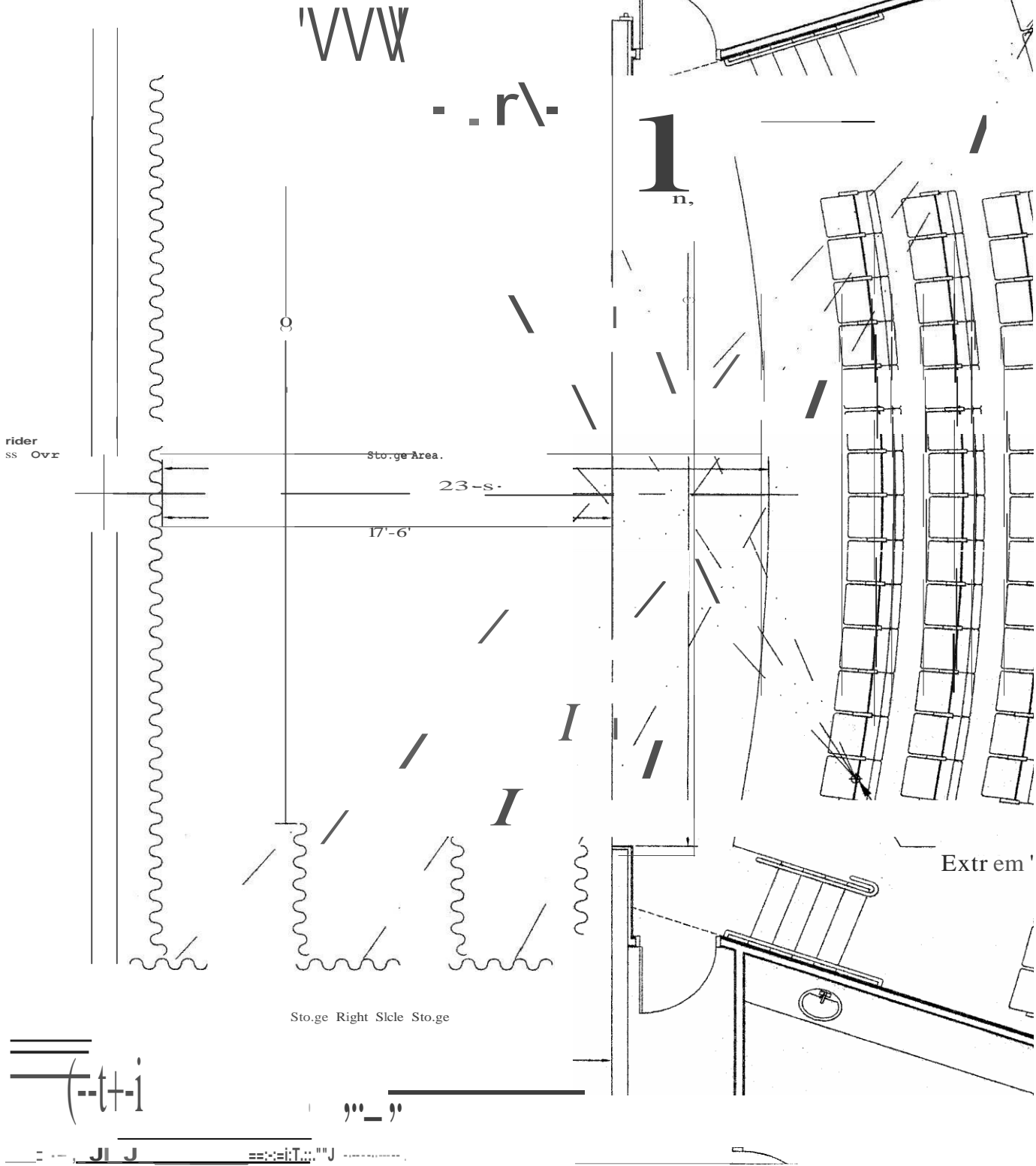
### **MANHASSETT**

10 with lights

# ARCHITECTURAL DRAWING OF STAGE



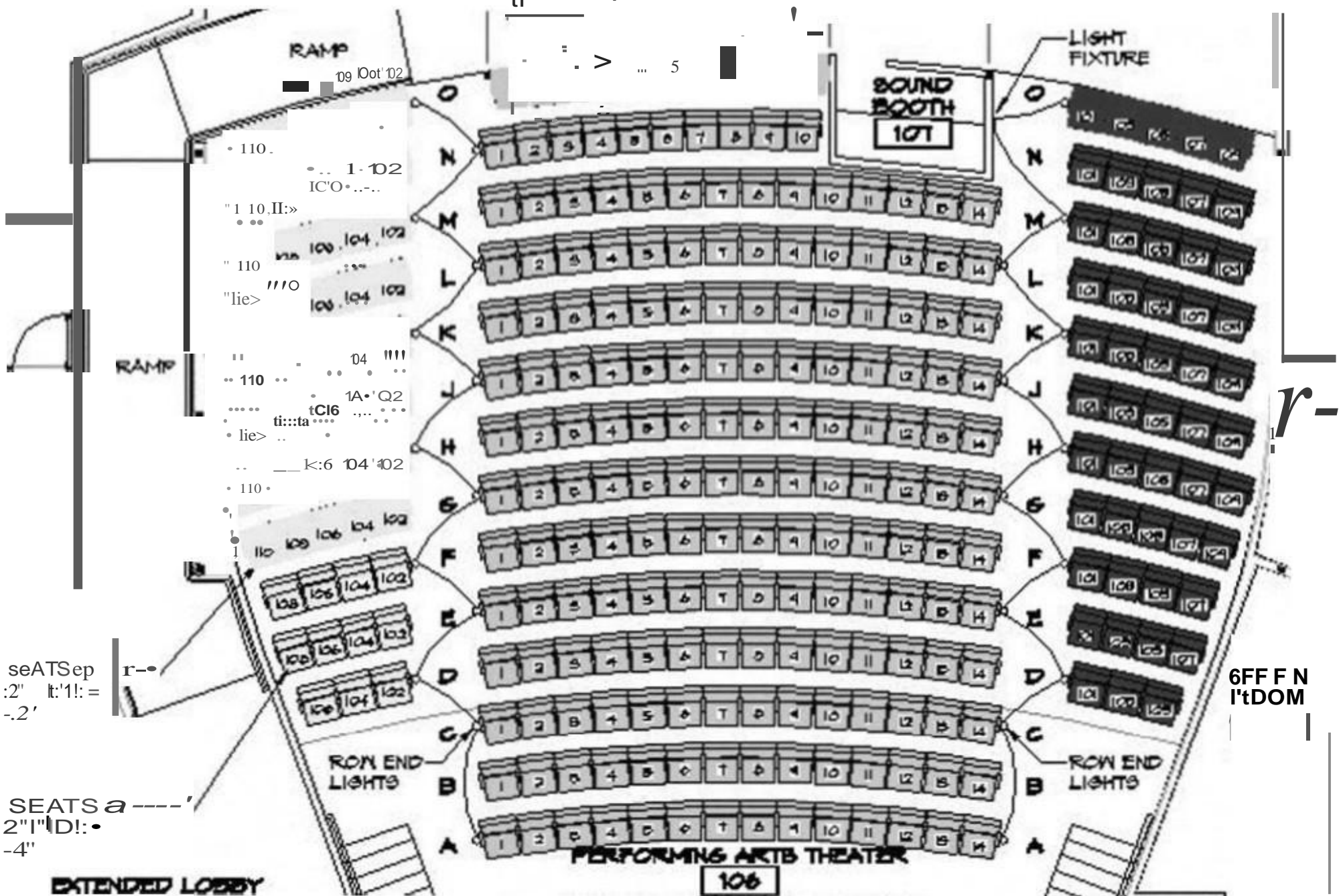
Sto.ge Left Side Sto.ge



Sto.ge Right Side Sto.ge



# SEATING CHART



seATSep  
:2" t:1!:=  
-2'

SEATS a ----'  
2" I" D! : •  
-4"

**EXTENDED LOBBY**

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