



Nancy & David Bilheimer Capitol Theatre Known as “The Cap”

FACILITY TECHNICAL SPECIFICATIONS

as of 01/28/2026

VENUE GPS, MAIL & DELIVERY ADDRESS:

Nancy & David Bilheimer Capitol Theatre
405 Cleveland Street, Clearwater, FL 33755

VENUE MAIL & DELIVERY ADDRESS:

Ruth Eckerd Hall
1111 McMullen Booth Dr, Clearwater FL 33755

(This is the mailing address for Ruth Eckerd Hall which has a full time receiving desk, I or a runner will pick up the packages from this location and bring them to The Capitol)

If the shipment is excessively large (cannot fit in a standard sedan) or will be **arriving the day of the show then please ship to the Capitol Theater address and please let me know it will be shipped here!**

Please send me an email with delivery date arrival, who is delivering (Fed Ex, UPS, Amazon), and the tracking information as soon as possible! This is very important to ensure delivery is not missed.

WEB SITES:

Tech Pack:

Visitor Info:

<https://www.rutheckerdhall.com/plan-your-visit/the-nancy-and-david-bilheimer-capitol-theatre>

Concert Event Calendar:

<https://www.rutheckerdhall.com/events>

From venue drop down menu choose: Nancy & David Bilheimer Capitol Theatre

Capitol Theater Contacts:

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Technical Director / Production Manager REH

Tyson Smith

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Auditorium Seating Capacity:

The Sellable Capacity is 725

Stage Information:

Stage is a Maple tongue and groove hardwood floor stained black

Stage Dimensions

Working 24' W x 16' D x 35' T (Sightlines 24" W x 16' T)	
Width of Proscenium	28'-9"
Height of Proscenium	15'-9 ¹ / ₄ "
Downstage Edge to back wall (Depth of Stage)	22'-0"
Curtain line to back wall	16'-7"
Curtain line to last line set	14'-4"
Distance from downstage edge to house curtain line (forestage)	5'-9"
Width of stage from SL wall to rigging SR	50'-8"
Center to SL wall	26'-8"
Center to SR rigging	24'-0"
Offstage space SR	9'-8"
Offstage space SL	10'-4"
Bottom of Gridded Pipe to Deck	29' – 6 1/2"
Bottom of Roof I-Beam to Deck	35'-3 ¹ / ₄ "
Height under Fly Gallery	8'-8 ¹ / ₂ "
Auditorium floor to stage floor	3'-2 ¹ / ₂ "

Loading Entrance:

Street level located on the west side of the building, Osceola Ave.
(Downtown Clearwater)

Dock Doors:	1 @ 7'-10 ¹ / ₂ " W x 7'-1 ¹ / ₂ " H 8'-0" from stage
Stage Door	1 @ 7'-3 1/2" W x 10'-7 1/2" H
Loading dock:	9'11" wide (Widens to 15'-5") x 51'-0" long x 7'-5" High (At lowest point)
Ramps:	1 @ 15' L x 3' W

Rigging:

System is a single purchase counterweight system located on the SR wall.
Battens are NOT centered to the stage! SL to Center 20'- 0" of pipe, SR to Center 18' of pipe.
Center is marked on pipe.

Counterweight Lines:	24 sets of counterweighted arbors. 1200 lb load capacity.
Length of Battens:	38' Long
Travel Limits:	4'-10 ¹ / ₂ " above stage to 29'-5 ¹ / ₂ "
Fly Gallery:	Located SR at 10'-6 ¹ / ₂ " above stage floor
Locking Rail:	Located SR on Fly Gallery 13'-6 ¹ / ₂ " above stage floor
Loading Galleries:	1-Located SR 28'-4" above stage floor
Grid Type:	No Grid

Capitol Theatre Lineset Schedule 2026

Lineset	Purpose	Distance	DS edge	Weight
0	Valance Legs	3"	3' 9"	Dead Hung
1	Valance Border	1' 6"	5' 0"	25/50
2	Main Drape	2' 2"	5' 9"	25/325
3	#1 Border	2' 10"	6' 5"	25
4		3' 6"	7' 1"	25
5	1 st Electric	4' 2"	7' 9"	425/375
6		4' 10"	8' 5"	25
7	Movie Screen	5' 6"	9' 1"	25/450
8		6' 2"	9' 9"	25
9	#2 Border	6' 10"	10' 5"	25/25
10	#2 Leg SR	7' 6"	11' 1"	25/25
11	#2 Leg SL	8' 2"	11' 9"	25/25
12		8' 10"	12' 5"	25
13	2 nd Electric	9' 6"	13' 1"	425/575
14		10' 2"	13' 9"	25
15		10' 10"	14' 5"	25
16	Track Storage	11' 6"	15' 1"	25/100
17	#3 Border	12' 2"	15' 9"	25/25
18	#3 Leg SR	12' 10"	16' 5"	25/25
19	#3 Leg SL	13' 6"	17' 1"	25/25
20	3 rd Electric	14' 2"	17' 9"	425/475
21	4 th Electric	14' 10"	18' 5"	25/400
22		15' 6"	19' 1"	25
23	Black Out Drop	16' 2"	19' 9"	25/75
24	Cyc	16' 10"	21' 5"	25/75

Draperies (See hanging Plot Above)

Main Curtain: Vertical rising manual opens horizontally by manual means.
 Legs: Three sets Black Velour, 6'-0" W x 20'-0"H
 Borders: Three Black Velour, 40' W x 4'-0" H, hung flat.
 Black Out: One Black Velour, 40" W x 20' H.
 Cyclorama: One Bleached Seamless muslin, 40'W x 20'H.

Piano

One 1949 Steinway Model "D" – 9' Concert Grand

Miscellaneous In House Items:

- 1 - Podium
- 1 - Genie Hi-lift
- 2 - Flags (US and FL)
- 4 - A-Frame Ladders 6', 8', 10' and 12'
- 1 - 4'x6' Drum Riser Carpet
- 3 - 8' x 6' Oriental area rugs
- 1 - 12' x 8' Oriental area rug
- 1 - Stonehenge (18" X 18")

RISER, PLATFORMS, CHAIR INVENTORY, ORCHESTRA EQUIPMENT & TABLES

Risers

- 3 4' X 8' X 12", 18" Sico Rise Adjustable (Skirting available for risers)

Platforms

- 6 4' X 8' X 1' Wood Platform
- 2 4' X 8' X 1' Rolling Wood Platform

Steps

- 2 37 1/2" Steps (1 with railing)

Chairs

- 10 Black Orchestra Chairs
- 50 Fabric Folding Chairs

Stools

- 6 Black Wood Stool (Hard Top)

Orchestra Equipment

- 10 Music Stands
- 25 Music Stand Lights and Power Distribution

Tables

- 1 4' Table
- 6 6' Folding Table
- 3 6' Wide x 18" Deep Slim Table

Wardrobe

Two portable Garment racks aka Z-racks are available.
Washer, dryer, iron, ironing board and Jiffy Steamer are available upon request.

Lighting Equipment/Electrical Specifications**Company Switch**

Located Stage Left
 400AMP / 3 phase
 200AMP / 3 phase (sound only)

Dimming Control System

- 2 ETC Sensor3 2.4kW 48 Module Racks with cem3 Power Control (Theatrical Control)
- 6 ETC SmartSwitch Relay Panels (Building Control)
- 1 Unison Paradigm Architectural Control (House Light Control)

There are eight, 5 pin DMX dry lines from stage left, four terminate at the orchestra front of house position under the mezzanine level, and four terminate at the mezzanine front of house position in the lighting control booth.

There are two 5 pin DMX dry lines from stage right that terminate at the orchestra front of house position.

Lighting Control System

ETC ION Software Version 2.1.2
 1 ETC 2x20 Fader Wing
 1 ETCNet3 One Port Touring Node
 3 ETCNet2 Four Port Touring Nodes

Dimmer Schedule

FOH Bridge: 85-100, 125-128
 Balcony Rail: 109-112, 131-134

1st Electric: 1-20, 113-114
 2nd Electric: 21-40, 115-116
 3rd Electric: 41-60, 117-118

DSR wall: 105-108, 130
 USR back wall: 81-84, 124
 DSL wall: 101-104, 129
 USL back wall: 77-80, 123
 DSR drop box: 69-72, 121
 USL drop box: 73-76, 122
 DSL drop box: 61-64, 119
 USL drop box: 65-68, 120

Lighting Inventory

- 12 Chauvet Maverick Force – S Spot Fixtures
- 12 Chauvet R2 Moving Par LED Fixtures
- 6 19 Degree ETC Source Four 575w
- 20 26 Degree ETC Source Four 575w
- 21 36 Degree ETC Source Four 575w
- 12 50 Degree ETC Source Four 575w
- 24 Source Four Pars 575w
- 5 Altman Par 38 Strips 7.5' 750w
- 2 Thomas Two Light Audience Blinders
- 1 Chauvet DJ Hazer

Spot Lights

2 Lycian SuperStar 1275 Medium Throw Follow Spots 1.2kw HMI
Spots are located in the mezzanine lighting control booth 80' from Downstage Center and 4' from center of house.

Cable and Accessories

DMX and Ethernet Cable various amounts and lengths
Stage Pin Cable various amounts and lengths

Video Projection

Projection

Front Projection (Projector located on Balcony Rail)
Barco RLM 12K ANSI Lumens XGA/DLP
DA-LITE Professional Electrol Automatic Electric Projection Screen 20' H x 24' W
(Screen is located on Line set 7 and can travel in and out)

Video Playback

- 1 PC Windows 10 w Power Point, VLC, etc.
- 1 Sony BDP-S480 Blue Ray Player

There are 7 coaxial video tie lines located stage left that terminate at front of house mezzanine level. There are an additional 7 coaxial video tie lines at the front of house mezzanine level to the projector position located on balcony rail.

Ethernet

There are 4 Cat5a dry lines located stage left; two terminate at front of house orchestra level, and two terminate at the front of house mezzanine level. There are an additional 2 Cat5a dry lines located in the front of house mezzanine level that terminate at the balcony rail.

Sound System Specs

FOH

Mix position is located at the rear of the Orchestra level under the Mezzanine level on center line 70'-0" from stage. This area is 17'-5" wide, 6'-0" deep and 7'-4" high. Snake path to FOH runs through the basement to a 12" conduit. Length of 125' snake is needed for the complete run.

There is a secondary front of house mix position located in the lighting control booth on the mezzanine level.

Sound Consoles

Yamaha CL5

Avid Venue SC48 software version 3.1.1

Behringer X32 software version 2.1.2

Main Speaker Array

L-ACOUSTICS dV-DOSC Line Array 2 x 8

Frequency Response:

Frequency response: 160 - 18k Hz (± 3 dB) (2W 75HI preset)

Usable bandwidth: 100 - 20k Hz (-10 dB)

Sensitivity:

LF (2.83 Vrms @ 1m): 99 dB SPL 100 - 800 Hz

HF (2.83 Vrms @ 1m): 109 dB SPL 800 - 18k Hz

Power Rating (Long Term):

LF: 55 Vrms 380 Wrms 1520 Wpeak

HF: 23 Vrms 66 Wrms 260 Wpeak

Amplification (Recommended):

LF: 760 W

HF: 260 W

Impedance (Nominal):

LF: 8 ohms

HF: 8 ohms

Nominal Directivity (-6dB):

Horizontal: symmetrical 120°

Vertical: defined by the array

System Output:

Continuous SPL (flat array)

One enclosure: 127 dB

Two enclosures: 133 dB

Four enclosures: 139 dB

Continuous SPL (maximum curvature array):

One enclosure: 127 dB

Two enclosures: 131 dB 15° vertical coverage

Four enclosures: 135 dB 30° vertical coverage

Subwoofer Speaker System

L-ACOUSTICS SB218 High-Power Subwoofer 2 x 2

Location: Under downstage lip

Frequency Response:28 - 140 Hz (± 3 dB) (X preset)

Usable Low Frequency 25 Hz (-10 dB)

Recommended filtering 80 Hz to 200 Hz (4th order low pass filter)

25 Hz (4th order high pass filter)

Sensitivity:

(2.83 Vrms @ 1m) 100.5 dB SPL 28 - 200 Hz

Power Rating

(Long Term)

68 Vrms 1100 Wrms 4400 Wpeak

Amplification

(Recommended)

2200 W

Impedance

(Nominal)

4 ohms

Front Fill / Under Balcony Speaker System

L-ACOUSTICS 5XT Ultra-compact coaxial enclosure 2 x 4

FF Location: Equally spaced along the downstage lip

Under Balcony Location: Equally spaced under balcony

Usable Bandwidth

(-10 dB) 95 Hz – 20 kHz ([5XT] preset)

SPL Maximum

119 dB ([5XT] preset)

Coverage Angle

(-6 dB) 110° axi-symmetric

Transducers

LF: 1 × 5" weather resistant, bass-reflex

HF: 1 × 1" diaphragm compression driver

NominalImpedance 16 Ω **RMS Power Handling**

85 W ([5XT] preset)

Monitor Speakers – In Ear Monitors

1 - JBL VRX918S Drum Sub (Passive)

System Type: 18" bass-reflex subwoofer
Frequency Response (± 3 dB): 34 Hz – 220 Hz
Recommended Crossover Frequencies:
 80 Hz, 24 dB / octave HPF 80 Hz, 24 dB / octave LPF
Maximum SPL 2: 130 dB SPL peak
LF Driver:
 1 x JBL 2268H 457 mm (18 in) Differential Drive woofer

Frequency Range (-10 dB): 31 Hz – 220 Hz
Input Connection Modes: Switchable, +1/-1 or +2/-2
Power Rating (Continuous 1/ Program / Peak):
 800 W / 1600 W / 3200 W
Sensitivity (1w @ 1m): 95 dB SPL
Nominal Impedance: 8 ohm

11 - JBL VP7212MDP Powered Stage Monitor

Frequency Response
 (+/-3 dB): 80 Hz - 18 kHz
Coverage Pattern: 50° x 90°
Directivity Index (DI): 11 dB
Low Frequency Section:
 JBL 2262FF, 304 mm (12 in) dia.,
 76 mm (3 in) Dual Coil
 neodymium Differential Drive, Direct Cooled
High Frequency:
 JBL2452H-SL, 100 mm (4 in) titanium damped
 diaphragm, 1.5 in. exit.

Frequency Range
 (-10 dB): 55 Hz - 20 kHz
Directivity Factor (Q): 12.6
Maximum Peak Output1: 134 dB SPL 1
Bandpass Nominal Impedance:
 2 x 2 ohms

Bandpass Nominal Impedance: 8 ohms

4 - JBL JRX112M (Passive)

Power Rating	Frequency Response
250w / 1000w	70 Hz - 12 kHz (± 3 dB)
Nominal Impedance	Sensitivity
8 ohms	99 dB SPL (1w/1m)
Maximum SPL	Nominal Dispersion
129 dB	90 x 50

Crossover Frequency 1.8 kHz

2 - TurboSound X18 Subwoofers (ACTIVE)

Power Rating	Frequency Response
2500W	20 Hz – 180HZ
Nominal Impedance	Sensitivity
8 ohms	99 dB SPL (1w/1m)
Maximum SPL	Nominal Dispersion
129 dB	90 x 50

Crossover Frequency Variable

2 - TurboSound X15x2 Speakers (ACTIVE)

Power Rating	Frequency Response
2500W	20 Hz – 20kHz
Nominal Impedance	Sensitivity
8 ohms	99 dB SPL (1w/1m)
Maximum SPL	Nominal Dispersion
129 dB	90 x 50

Crossover Frequency Variable

8 - Shure PSM-1000 In-Ear Monitor units (8 channels Stereo)

W/ 8 – Packs and RF Venue Antennae distribution system with helical

Amplification

5 L-ACOUSTICS LA8 Amplified Controller

All dV-DOSC Line Array and Subwoofer SB218 are powered by LA8 amplifiers

1 L-ACOUSTICS LA4X Amplified Controller

All Front Fill / Under Balcony 5XT are powered by LA4X amplifier

7 LAB.GRUPPEN E Series 12:2 Amplifier

70v house lobby systems powered by LAB.GRUPPEN amplifier

2 Crown XTi 1000 Amplifiers

JBL JRX112M Monitor speakers powered by Crown XTi 1000 amplifier

1 Crown XTi 4002 Amplifier

JBL VRX918S subwoofer powered by Crown XTi 4002 amplifier

Sound System Control

BSS London Architecture Blu-160 and Blu-120 (version 6.0)

LAB.GRUPPEN Lake LM 44 (version 6.1)

Motion Computing Wireless Tablet (Windows 7)

Playback/Record

1 Tascam SS-CDR200 Solid State and CD Digital Audio Recorder

Microphone Stands

14 K & M Tall Tripod Boom Stands

10 K & M Short Tripod Boom Stands

8 K & M Straight Round Base Stands

4 Generic Tabletop Stands

Capitol Theatre Microphone Inventory 2018

Amount	Brand	Type	Notes
10	Shure	Sm58	
2	Shure	Sm58Beta	
10	Shure	Sm57	
2	Shure	Sm57Beta	
4	Shure	Sm81	
2	Shure	Sm87	
2	Shure	Beta52	
2	Shure	Sm91Beta	
2	AKG	414	
1	AKG	D112	
1	Audix	D6	Drum Mount Available
1	Audix	D4	Drum Mount Available
2	Audix	D2	Drum Mount Available
2	Audix	ADX-51	Drum Mount Available
3	Audix	I5	Drum Mount Available
2	Sennheiser	421	
5	Sennheiser	604	
2	Sennheiser	609	
2	BSS	DI Active AR133	
4	Countryman	DI Active 85D	
4	Radial	PRO DI	
2	Radial	J-DI	
2	KlarkTechnic	DI Active DN100	
2	Countryman	Headset Mic	Shure WIRELESS
2	Shure	SM93	Lav WIRELESS
8	Shure	Handheld	8-58 caps & 2- 58Beta caps
1	Shure		Instrument Cable (WL)
1	Shure		SM98 Clip on Mic

Clear Com System

- 1 - PS702 2-Channel Base Station
- 6 - CC-300 Single Muff Headset
- 2 - HS6 Telephone-Style Intercom Handset
- 1 - CC-400 Dual Muff Headset
- 10 - RS-601 Belt Packs
- 1 - RS-702 Dual Channel Belt Pack
- 3 - FL-7 Call Signal Flasher
- 4 - KB-701 1 Channel Speaker Station

Splitter System & Sub Snakes

Entertainment Metals RAMTECH Stage box 54. 1-48 Female XLRs with ground lift switches. Inputs 49-54 Male and Female XLRs, 4 CPC Sub-Inputs. 3 Ramx025 Ramlatch multi-pin outputs for Main, Split A, and Split B.

- 1 - 25' Ramtech Ramlatch to 52 Channel Fan-out
- 4 - 75' CPC to CPC Connectors
- 4 - Entertainment Metals 12 Channel Sub Snake Boxes
- 2 - 12 channel snakes 6', 25'
- 1 - 6 channel snake 25'

Connections available from downstage left panel to front of house orchestra level:
Fiber connection, Whirlwind W4 mass connector, Ramtech Ramlatch and 5 coaxial connections

Connections available from downstage left panel to front of house mezzanine level:
Ramtech, Ramlatch to 52 channel fan-out

There are 8 parallel tie lines located stage right, stage left, amp room, front of house orchestra level and front of house lighting control room mezzanine level.

There is the capability of having a total of 6 monitor mix sends from stage left or stage right.

Dressing Rooms

First Level

One (1) Star Suite/Production Office for 1-4 people located off stage left.
Dressing room is equipped with tables, chairs and restroom with shower.

Second Level

One (1) Star Suite/Green Room for 1-8 people
Two (2) Chorus Rooms for 5-10 people

All dressing rooms on the second level are equipped with lighted mirrors, tables or counters, chairs, couch, costume racks, restroom with shower.