

# **Ford Community & Performing Arts Center** **Theater**

15801 Michigan Ave.  
Dearborn, MI 48126

**Welcome to our new facility.**

**Listed below is the unfinished 'Rough Draft' of our Tech Specs. (It's a work in progress)**

If you have any questions, please call:

Don Bean (Tech. Director)  
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## ***General Information***

**Loading Dock:** Truck access is off of east bound Michigan Ave (US12), near our marquee (video sign), east of Southfield (M39). Trucks longer than 48' may wish to back into the drive. The dock has access from the North, and can accommodate two trailers. (Dock levelers are built in for minimal dock height discrepancies.) There is level access into the theater through (9' 10" H x 10' W) outside dock door.

A ramped walk-up entrance leads into the theater tech hallway at the stage left wing.

**Stage Floor:** A resilient mounted sub floor covered with (1&1/4") tongue & grooved yellow pine, and stained black.

There is no trap room and the floor is not trapped.

The basic stage size is approximately 50'W x 37' D with additional wing space on left and right.

There is a 4' crossover hallway behind the stage.

Two stage side calipers extend to the mid-house entrances/aisle.

Doors to the Shop/Theatre are 11' 11" W x 14' H.

At this time, there is **not** an *in-house forklift* available.

## COMPANY POWER:

(Lighting)

There are two (2) disconnect panels located off upstage-stage right. Each panel is 208v wye, 3 phase, 5 Wire, 400 amps per leg.

(Sound)

There is one (1) 208v wye, 3 phase, 5 Wire, 200 amp disconnect panel located midstage - stage left. (iso xfmr)

(Dock)

There are two (2) 208v wye, 3 phase, 5 Wire, 100 amp disconnect panels located outside, up on the west side of the loading dock. B.Y.O.C. – Bring Your Own Cable (Busses/trucks need to provide their own bare end feeder cable.)

## DIMENSIONAL INFORMATION

### PROSCENIUM:

Height	27' 6"
Width	50' 3 ½"
Grand teaser height	34'

### PLASTER LINE TO:

Back of house, Main level (control booths)	87' 2" [linear]
Back of house, rear of balcony	101' [linear]
Balcony rail	67' 6" [linear]
Follow spot booth	95' [linear]
Down stage edge of orchestra lift	16'
Down stage edge of apron	7' 5"
Upstage wall	37' 1 ½" (not inc. Orch. Shell Storage)
Last fly line	36' 2 ½"
First front of house catwalk	7' 5"
Second front of house catwalk	38' 9"
Third front of house catwalk	67'
Front of house mix position	46'
Box boom position, near	4' 3"

### STAGE CENTER LINE TO:

Stage right Locking fly rail (stage right)	47'
Stage left wall	50' 8"
Load Gallery	41' 6"
Side Gallery stage left (pin rail)	43' 6"
Side Gallery stage right (pin rail)	41'

**STAGE LEVEL TO DECK OF:**

House floor	3' 4 ½" (below)
Orchestra pit level	8' 3" (below)
Side galleries (pin rail)	32' 10"
Loading bridge	64' 3 ½"
Gridiron (walkable Fly loft)	73'
(Bottom of upper steel)	81' 3"
Front of house gridiron (walkable)	47'
Control Booth	12' 4"
Spot light Booth	46' 2"
Balcony rail	25'
Top floor of balcony	36' 6"
1 <sup>st</sup> catwalk	28'
(Approximate throw to Plaster Line)	32')
2 <sup>ND</sup> catwalk	35' 6"
(Approximate throw to PL)	55')
3 <sup>rd</sup> catwalk	42' 10"
(Approximate throw to PL)	82')

**Pit Speeds:**

<u>Level</u>	<u>Down</u>	<u>Up</u>
Stage		1:31
House	1:02	:54
Pit	2:30	

## THEATRE SOUND SYSTEM

### FOH Mix Position and Audio Equipment

Located stage level center of main floor  
approx. 46 ft. from stage plaster line.

- Mixing Console – Crest X8-RT 48
- 3 – Graphic equalizers for Left, Center,  
Right main clusters
- 1 – DBX 1046 (4-ch) compressor/limiter
- 1 – DBX 166XL 2-ch comp/limiter/gate
- 1 – T C Electronics M-One effects  
processor
- 1 – Lexicon MPX500 effects processor
- 1 – Tascam DA20MKII Dat player
- 1 – Tascam CDA700 Cassette/CD player
- 1 – Mini disc recorder

### Theatre Speakers and Amplifiers

- 7 – EAW KF650 speakers – Left, Center,  
Right /Flown Clusters
- 2 – EAW SB528 sub speakers – Located on  
second floor balcony
- 2 – EAW MK2194 speakers – Downfill
- 6 – Tannoy CMS8-60 speakers– Balcony  
House Rear
- 5 – EAW JF80e speakers– Balcony House  
Rear
- 63 – Altec 405H speakers – Pit Rail
- 9 – Crown CE-2000 Amplifiers
- 3 – Crown CE-1000 Amplifiers
- 1 – Crown CP-660 Amplifier
- 5 – QSC CX-702 Amplifiers
- 2 – Peavey IA 200V Amplifiers

### Theatre Monitor System - On Stage

- 4 – EAW SM122e Floor Monitors
- 2 – EAW FR159Z Sidefills
- 3 – BSS Opal FCS-966 2-ch Graphic  
Equalizers
- 3 - Crown K-1 Amplifiers

### Theatre Back Stage Accessories

- 1 – Mackie MS1402v1z Mixer
- 1 – Tascam CDA500 CD/Cassette player

- 6 – Peavey Impulse 6 - ancillary speakers
- 1 – AB 6200A Amplifier

### Microphones & Accessories

- 4 – Audix OM-5
- 6 – Audix OM-3xb
- 2 – Shure Beta 58A
- 10 – Shure SM58
- 10 – Shure SM57
- 1 – Shure SM91
- 2 – Audio Technica ATM89R
- 1 – Sony WRU806a UHF (6-ch) Microphone  
Receiver
- 4 – Sony 805A body
- 2 – Sony 807A handheld
- 4 – CAI B3 Countrymen
- 4 – Crown PCC166
- 6 – ProCo DB-1 Direct Boxes
- Microphone cables
- Microphone stands

### Hearing Assistance System

- 24 – Williams PPA R19-4 Ear bud receivers

### Intercom System

- 4-ch Clear-Com system
- 11 - Clear-Com 1 ch. belt packs/headsets
- 4-ch. station boxes located through out the  
Theatre, Studio, and Dome Room

## Lighting and Electric's

### General Lighting Information.

- Control Boards: 2 - ETC Obsession II
- 6 - ETC 96 Sensor dimmer racks.
- Control board can be located on stage, in booth or the middle of house (mix point).
- Company connections (Two – 208v wye, 400A / 5 wire) located upstage stage right.

### Hanging Positions.

#### Front of House.

- Catwalk 1: Approximately 31' high from stage level, immediately D.S. of proscenium arch; 24 circuits\*. Down light pit, apron areas or pools.
- Catwalk 2: Approximately 33' high with a 55' throw to plaster line; 33 circuits\*. Best positions for all areas.
- Catwalk 3: Approximately 41' high with a 82' throw to the plaster line; 14 circuits\*. Used to light the pit and apron.
- Balcony rails HR, HL & Center. HR & HL are on two levels. 9 circuits\* on all Four HR & HL positions. 16 circuits\* on center rail.

#### Stage.

- Coves SR and SL flush to Proscenium Arch.
- Electric 1: 7' 7 ½" upstage of plaster line; 30 circuits\*
- Electric 2: 17' 6 ½" upstage of plaster line; 30 circuits\*
- Electric 3: 28' 6" upstage of plaster line; 30 circuits\*
- Side Galleries on both SL and SR.
- 6 - 3 repeating circuit Socapexs' on both SR and SL pin rails.
- Wall outlets, and pit outlets also available.
- 80' Stage Grid has 75 repeating Socapex circuits evenly spaced with the ability to create extra electrics.

A circuit chart is available.

- These include rehearsal, and decoration circuits.
- These are intended to be run from the stage managers panel.
- These (R.) & (D) circuits / DMX addresses and can be programed into the board.
- There are also 27 'Non Dim' (ND) circuits around the theater.
  - (They cannot be dimmed below 50%.)

## **Lighting Inventory.**

Most lighting equipment is ETC.

- Ellipsoidal's: Source Four w/750w hpl lamps
  - (28) 5 Deg.; (46) 10 deg.; (9) 19 deg.; (31) 26 deg.; (19) 36 deg.;
  - (13) 50 deg.
- Source Four Pars w/750w hpl lamps: 40 (narrow, medium and wide lenses available).
- Par 64's: 66 (narrow, medium, wide lamps available).
- 8 Color Tram Zooms.
- 65- 8" Fresnel's.
- 18- MR16 strip lights (4 circuit).
- 16- 4 cell Cyc lights (2x2).
- 3 - Xenon 2K Super Trooper Follow Spots.
- Iris Kits; top hats; barn doors and an ample supply of cable also available.

All instruments are cabled with 20 amp pin connectors.

The Front of House washes are all pre-focused and circuited. If altered, all changes will need to be refocused after the event.

## **FOLLOW SPOT BOOTH**

Located 95' linear from the plaster line

Containing three (3) Strong Xenon 2K Super Trouper.

Throw to pit is 110' & upstage is 147'.

These instruments are available for rent and are permanently housed in the follow spot booth. They will not be moved to any other location for any reason.

## ***RIGGING***

There is a complete fly system providing [42] usable single/standard purchase counter weighted lines. The pipes are 1 ½" I.D. with a length of 66' and a travel of 67' 6". At the lowest position the pipe hang is 3' 6" above the deck.

The main curtain flies as a guillotine or travels open from center that is located 4'8" UPSTAGE of the plaster line. The traveler is two (2) sections 36' W X 34' H. The operation of the main curtain is located off stage right.

There are 7 pairs of legs, and six border masking, all of which are non-pleated black velour.

There are two cycloramas (62' X 34') LT blue filled scrim located on lines #46 & #61.

There are two 62' X 34' scrim - lines # 45 (black) and #60 (LT blue)

There are two "Mid-Stage" black bi-part travelers on lines 26 & 42  
Located 15' - 3" & 24'-7" from the plaster line.  
Moving these travelers is not recommended.

There are three dedicated on-stage electrics on lines #13, 30, 48.  
Please see lighting section for more information.

All lines are controlled from the locking rail on stage right deck.

The loading gallery is located approximately 64' above stage level, and has approximately 19,000 LB's. of extra available weights. Additionally, there are two side galleries stage right & stage left (pin rail) located 32' – 10" above stage level.

\*\*\*There is a "Water Curtain" used in place of the older style dropping 'Fire Curtain' on the audience side of the proscenium arch.

There are four orchestra shell pieces, in fixed positions at lines: #6, 21, 39, & 55.

There are 4 ch. clear-com headset stations appropriately distributed at all necessary locations, pit, including FOH and above stage grids.

## Ford Community & Performing Arts Center

### House Standard Purchase System

Line #	Distance from Plaster Line	Description
*1	1'	<i>TEASER</i> (4 sections, 34' H x 15' W ea which is 34' H X 60'W)
2	1' 6"	GP
***3	2'	SIDE LEGS 1 (4 sections; 34' H x 8' W ea)
4	2' 6"	GP
5	3'	GP
*6	3' 6-1/2"	<i>ORCHESTRA CEILING 1</i>
*8	4' 8-1/4"	<i>MAIN DRAPE</i> (2 sections; 34' H x 35' W ea)
9		SIDE BATTEN 1 (Light Ladder) (running D.S. to U.S.)
10	5' 10-1/2"	BORDER 1 (5 sections; 34' H x 18' W ea.)
***11	6' 5-1/2"	SIDE LEGS 2 (4 sections; 34' H x 8' W ea)
*13	7' 7-3/8"	ELECTRIC 1
14		STORAGE BATTEN (running D.S. to U.S.)
15	8' 9-3/8"	GP
16**	9' 4-1/2"	GP
*17	9' 11-1/2"	<i>FRONT PROJECTION SCREEN</i> (39' 10"W X 24'H)
18**	10' 6-1/2"	BORDER 2 (5 sections, 34' H x 18' W ea.)
***19	11' 1-1/2"	SIDE LEGS 3 (4 sections; 34' H x 8' W ea)
*21	12' 3-1/2"	<i>ORCHESTRA CEILING 2</i>

23	13' 5-1/2"	GP
25	14' 7-1/2"	GP
***26	15' 2-1/2"	INTERMEDIATE CURTAIN 1 (2 sections; 34'H x 36'W ea)
27	15' 9-1/2"	BORDER 3 (5 sections, 34' H x 18' W ea.)
***28	16' 4-1/2"	SIDE LEGS 4 (4 sections; 34' H x 8' W ea)
*30	17' 6-1/2"	ELECTRIC 2
31		SIDE BATTEN 2 (Light Ladder) (running D.S. to U.S.)
32	19' 2"	GP
34	20' 4"	GP
36	21' 6"	GP
*39	23' 3"	ORCHESTRA CEILING 3
***40	23' 10"	SIDE LEGS 5 (4 sections; 34' H x 8' W ea)
***42	25'	INTERMEDIATE CURTAIN 2 (2 sections; 34' H x 35' W ea)
44	26' 2"	BORDER 4 (5 sections, 34' H x 18' W ea.)
45	26' 9"	SCRIM 1 (Sharkstooth Scrim, Lt. Black 34' H x 62' W)
46	27' 4"	CYCLORAMA 1 (Filled scrim, Lt. Blue 34'H x 62' W)
*48	28' 6"	ELECTRIC 3
49		SIDE BATTEN 3 (Light Ladder) (running D.S. to U.S.)
***50	29' 8-1/4"	SIDE LEGS 6 (4 sections; 34' H x 8' W ea)

51	30' 3"	GP
53	31' 5"	GP
<b>*55</b>	32' 7"	ORCHESTRA CEILING 4
56		STORAGE BATTEN (running D.S. to U.S.)
57	33' 8-3/4"	BORDER 5 (5 sections, 34' H x 18' W ea).
<b>***58</b>	34' 2-3/4"	SIDE LEGS 7 (4 sections; 34' H x 8' W ea)
59	34' 8-3/4"	GP
60	35' 2-3/4"	SCRIM 2 (Sharkstooth Scrim, Lt. Blue 34' H x 62' W)
61	35' 8-3/4"	CYCLORAMA (Filled scrim, Lt. Blue 34'H x 62' W)
62	36' 2-3/4"	GP
63	Running fully from D.S. to U.S.	S. L. SIDE MASKING (5 sections; 30' 6" H x 8' W ea)
64	Running fully from D.S. to U.S.	S. R. SIDE MASKING (5 sections; 30' 6" H x 8' W ea)

\* Indicates not available for any other usage. All other line sets may be cleared and used as needed.

\*\* Indicates a physical and/or heat "**Caution Area**" due to the neighboring projection screen.

\*\*\* Indicates the soft goods are on travelers

**NOTE:**

All standard battens are 66' in length, except for Main Drape – 68' in length.

Side Battens (Light Ladders) are 10' 6" in length with 5 pipes per.

## HOUSE INFORMATION

- Continental Seating Plan
- Seating Capacity: 1201
  - Main Floor: approximately 700 seats with 38+ Handicapped
  - Balcony: approximately 500 with 18 Handicapped
- RF Hearing Impaired System.

Finally, some of the basics:

- ✓ **No 'Duct Tape' or masking tape** allowed, 'Gaff Tape' welcome!
- ✓ There is no smoking allowed in any part of the Building/Theater at any time.
- ✓ Any use of pyrotechnics (fireworks) or open flame must be pre-approved by both, 'The Center's' Technical Director, and the Dearborn Fire Marshal.
- ✓ Note: All scenery, props, stage dressing, costumes, and all other flammable material must be flame proofed.
- ✓ The management reserves the right to control final sound level and equalization for any show at the Dearborn Ford Community and Performing Arts Center. The maximum sound level is not to exceed a maximum (peak) level of 100 db as measured at the rear of house mix position. (We prefer a peak of 95 db with an average rating of 85-95 db.)
- ✓ No nails, tape, tacks, lags, stage screws, or similar articles shall be driven or placed in any part of the premises without the approval of the Center's Technical Director.
- ✓ No rigging or other equipment can be used or changed without the prior knowledge and approval of the Technical Director.
- ✓ Estimates of technical charges, if needed are available by contacting The Center's Technical Director or the Theater Manager. This estimate will include stage labor and house equipment charges only.
- ✓ Do not run your *engines* or *generators* while parked in the **loading dock bays** for any length of time. (On the dock drive, no problem)

**Thanks**

