

Technical Specification for the Grant Fine Arts Center, located on the campus of Grant High School.
Last updated on May 4, 2015 by Rob Matthews, Fine Arts Center Director.

Grant Public Schools Fine Arts Center
331 East State Street
Grant, MI 49327

Director's Office Phone: (231) 834-2907
Box Office Phone: (231) 834-5630

www.grantps.net/FAC

Seating

Total House Capacity: **792**

Orchestra Section (*Rows A-L*): 380 (typical)

- 371 fixed seats
- 12 seats convertible to wheelchair seating
- 10 ADA-compliant wheelchair spaces

Mezzanine Section (*Rows M-W*): 399

All seating has row and seat numbers

Stage

Stage Deck is flat black painted Masonite

No Fasteners allowed in the Floor, and nothing is to be affixed to Soft Goods or Walls

Proscenium Height	20'-0"
Proscenium Width	49'-10"
Full Depth from Cyc to Apron Edge (Covered Pit)	43'-10"
Full Depth from Cyc to Apron Edge (Uncovered Pit)	38'-0"
Depth from Plaster Line to Upstage Wall	43'-0"
Stage Height from First Row of Seats	3'-6"
Stage Left Wing (to Lock Rail)	19'-0"
Stage Right Wing	22'-0"

Company Switch

100 amp / Single-Phase. Located on USR wall, approx. 15' right of CL, 40' US of PL



Loading

Scenic Shop Overhead Door: 9'-00" high by 12'-00" wide, with dock-height installed scissor lift Stage-Level Scenic Shop to Stage Right Wing via 10'-00" wide by 22'-00" high overhead door

Orchestra Shell

Complete moveable SECOA Orchestra Shell System

9 Towers: 10'-6" wide by 22'-0" tall

3 lighted Ceiling Panels permanently affixed to linesets 8, 19, and 29

Orchestra Pit

Pit is normally covered, has acoustic wall panels, and is accessible by stairs from the house.

Indirect access from backstage can be achieved through the House by using the house left stage caliper entry door.

Pit Width	32'-0"
Depth (At Centerline)	12'-0"
Interior Height	7'-0"

Rigging

Single Purchase System - Installed by SECOA. No Grid. Lock Rail is located on Stage Left

Last Inspection: March 23, 2015 by Christopher Harris - Sapsis Rigging, Inc. Report available upon request.

Number of Linesets	32
Typical Batten Length	72'-4"
Typical Batten Diameter	0'-1.5"
Typical Capacity per Lineset	1,502 lbs.
Lift Lines per Batten	8
High Trim	44'-0"
Low Trim	0'-4"



Lineset Schedule

Lineset	Use	Distance from Plaster Line
PS*	20'-0" x 20'-0" Projector Screen	
1	Grand Vallance	0'-05"
2*	Grand Traveler / Guillotine Curtain	1'-01"
3*	First Electric (<i>Circuits 114-155</i>)	2'-05"
4	Scenery (<i>open lineset</i>)	3'-09"
5	Border #1	4'-05"
6	Leg #1	5'-01"
7	Scenery (<i>open lineset</i>)	5'-08"
8*	Orchestra Shell Ceiling #1	7'-01"
9	Border #2	8'-05"
10	Leg #2	9'-01"
11*	Second Electric (<i>Circuits 156-197</i>)	10'-05"
12	Scenery (<i>open lineset</i>)	11'-09"
13	Scenery (<i>open lineset</i>)	12'-05"
14	Border #3	13'-01"
15*	Mid-Stage Traveler	13'-09"
16	Scenery (<i>open lineset</i>)	14'-05"
17	Scenery (<i>open lineset</i>)	15'-00"
18	Scenery (<i>open lineset</i>)	15'-09"
19*	Orchestra Shell Ceiling #2	17'-09"
20	Border #4	19'-01"
21	Leg #3	19'-09"

* Indicates Unclearable Lineset



Lineset Schedule - Continued

Lineset	Use	Distance from Plaster Line
22*	Third Electric (<i>Circuits 198-239</i>)	21'-01"
23	Scenery (<i>open lineset</i>)	22'-05"
24	Scenery (<i>open lineset</i>)	23'-01"
25	Scenery (<i>open lineset</i>)	23'-09"
26	Border #5	24'-05"
27	Leg #4	25'-01"
28*	Fourth Electric (<i>Circuits 240-281</i>)	26'-05"
29*	Orchestra Shell Ceiling #3	27'-01"
30*	Upstage Traveler	29'-09"
31	Scenery - Scrim	30'-06"
32	Cyclorama	31'-01"

* Indicates Unclearable Lineset

Soft Goods

Name	Description	Dimensions
Grand Valance	50% Fullness - 25 oz. Velour - Dark Blue	57'-6" (2) x 10'-0"
Grand Traveler	50% Fullness - 25 oz. Velour - Dark Blue	37'-6" (2) x 23'-6"
Borders (<i>Qty: 6</i>)	50% Fullness - 25 oz. Velour - Black	71'-6" x 8'-0"
Legs (<i>Qty: 4 Sets, 8 total</i>)	50% Fullness - 25 oz. Velour - Black	10'-10" x 23'-6"
Mid-Stage Traveler	50% Fullness - 25 oz. Velour - Black	37'-3" (2) x 23'-6"
Upstage Traveler	50% Fullness - 25 oz. Velour - Black	37'-3" (2) x 23'-6"
Cyclorama	0% Fullness - Seamless Muslin - Natural	72' 4" x 23'-6"

Support Facilities & Equipment

Yamaha 7'6" Concert Grand Piano (Mainstage)
Yamaha 6'0" Baby Grand Piano (Lobby - moveable to Mainstage)
Yamaha Clavinova (Orchestra Pit)
Yamaha Studio Piano (Green Room)
StageRight Choral Risers - 8 Sections, Three-Steps with Back Railing
Manhasset Music Stands - 60
Wenger Musicians Chairs (Black) - 100
Music Stand Lights - 15
Pit Light Snakes - 2 @ 22' ea.
DaLite Concord 32" Lectern - 1
6' Tables - 5

Dressing & Makeup Rooms

Dressing Room A

24'-00" x 11'-00" featuring attached costume storage racks, 18 lighted makeup stations, intercom speaker, on-stage program audio monitor, and an attached, single-stall restroom with shower.

Dressing Room B

24'-00" x 10'-06" featuring attached costume storage racks, 17 lighted makeup stations, intercom speaker, on-stage program audio monitor, and an attached, single-stall restroom with shower.

Hair & Makeup Studio

Dressing Rooms A and B are connected via a shared individual hair & makeup studio complete with a salon chair and sink set.

Green Room

37'-00" x 30'-10" featuring a Yamaha Studio Piano, intercom speaker station with telephone handset, on-stage program audio monitor, live CCTV stage feed, clothes washing machine, dryer, and dishwasher.

Due to the educational nature of our facility - the Green Room may not be available during school hours.

Scenic Shop

30'-00" x 28'-06", featuring a dock height scissor lift for easy ground-level loading and unloading through a 9'-00" high by 12'-00" wide overhead door. Shop features an assortment of basic power and hand tools, mezzanine prop storage and painting booth, and stock scenery storage on the floor level. After storage, a 14'-06" x 28'-06" space is available for show-specific storage and loading space.



Lighting & Projection

341 available circuits, 335 available 2.4kw dimmers on a Colortran i96 system

Lighting Control System

ETC Emphasis 3D, controlled via an ETC Express 125 board

Colortran/Leviton D-8000 architectural control system w/ lockable covers

Lighting Instrument Stock

Altman Focusing Cyc	24
Altman PAR 64 (1000w)	12
Colortran 104-341	4
ETC Source4 750 Ellipsoidal Bodies (575w)	45
50° Lens Tube	13
36° Lens Tube	11
26° Lens Tube	46
19° Lens Tube	31
ETC Source4 Junior 750 - 36° Ellipsoidal (575w)	3
ETC Source4 750 PAR Bodies (575w)	42
Fresnel Lens (PARnel)	24
Wide Flood Lens (WFL)	21
Medium Flood Lens (MFL)	22
Narrow Spot Lens (NSP)	22
Very Narrow Spot Lens (VNSP)	21
ETC Source4 Zoom 750 (25° / 50°) (575w)	4
ETC Source4 Zoom 750 (15° / 30°) (575w)	8
MTB Power Flash (DMX Strobe)	1
Robert Juliat "Buxie" 1124 Followspot	1
Altman Comet Followspot	1

All Instruments use 3PnG (Stage Pin) Connectors - Very Limited Adaptor Supply

Available Circuit Locations

1-2	Control Booth	286-289	SL Floor Pocket #1
3-22	Catwalk Strip A	290-293	SL Floor Pocket #2
23-62	Catwalk Strip B	294-297	SL Floor Pocket #3
63-82	Catwalk Strip C	298-301	SL Floor Pocket #4
83-92	HR Boom	302-305	SR Wall Panel
93-102	HL Boom	306-309	SR Floor Pocket #1
103-106	SL Apron Wall	310-313	SR Floor Pocket #2
107-110	SR Apron Wall	314-317	SR Floor Pocket #3
111-113	Orchestra Pit	318-321	SR Floor Pocket #4
114-155	1st Electric (lineset #3)	322-325	US Far Left Floor Pocket
156-197	2nd Electric (lineset #11)	326-329	USL Floor Pocket
198-239	3rd Electric (lineset #23)	330-333	USC Floor Pocket
240-281	4th Electric (lineset #32)	334-337	USR Floor Pocket
282-285	SL Wall Panel	338-341	US Far Right Floor Pocket

Control Positions

Full control of lighting system can only be achieved through the ETC board in the Control Booth (no Remote Focus Unit). Limited preset system control can be achieved through the D-8000 system both backstage and mid-house through a Designer's Remote Floor Pocket.

Projection & Video

Fixed LCD Video / Data Projector - Back wall of house

- Eiki LC-X1100
- 4,100 Lumens
- Motorized Zoom & Focus

Extron IN1508 Scaling Presentation Switcher

JVC SR-MV45 Combination Professional Super VHS & DVD/RAM/RW Player

Stewart Filmscreen Electroscreen: 20'-00" x 20'-00" mounted over the stage apron



Audio

House System

- BSS Soundweb 9088
 - EAW MK5294 (2) & MK2194 (3) House Speakers
 - JBL PRX718XLF Subwoofer Cabinets (2)
 - QSC CX 302 Amplifiers (5)
 - Mainstage & Stage Monitor Amps
 - QSC ISA 300Ti Amplifiers (2)
 - Stage Support Facilities Monitor Amps
 - Accepts a single mono input
- (4) Community XP - 502 2-way Stage Monitors

House Mixers

Soundcraft Series II

32 channels (*2 damaged, non-functional*), 8 Groups and 2 Outs
8 Stereo Effect Returns
Switchable Phantom Power

Yamaha EMX 5016CF (Wireless Cart)

16 channel 500W powered mixer, 2 Groups
Switchable Phantom Power

Control Positions

Mid-House (typical) or Control Booth

Playback & Recording

Marantz PMD351 - CD/Cassette Combo
Tascam CD-RW 900SL - CD Recorder
Tascam MD350 - MiniDisc Recorder

Direct Boxes

2 - Whirlwind EDB1

Assisted Listening

Listen LR-500 System with (20) programmable display belt packs & earpieces



Microphone Stock

Number	Model	Type
4	Crown SASS-PMKII	Boundary Condenser
1	Shure Beta 52A	Supercardioid Dynamic (Kick Drum)
1	Shure SM-48	Unidirectional Dynamic
8	Shure SM-57	Unidirectional Dynamic
5	Shure SM-58	Unidirectional Dynamic
3	Shure SM-81	Unidirectional Condenser
10	Shure ULX1-M1	Wireless Lavalier Pack
6	Countryman E6	Omnidirectional Earset
3	Countryman EMW	Omnidirectional Lavalier w/ Viper Clips
3	MM Audio MM-PSM-L	Omnidirectional Hair/Lapel
3	Shure WL-50	Omnidirectional Subminiature Lavalier
7	Shure WL-185	Omnidirectional Condenser Lavalier
10	Shure ULX2-M1	Wireless Handheld w/ SM-58 Mic

8 - Ultimate 77B One-Hand Microphone Stands

7 - Ultimate Low-Level Boom Stands

Communications

Clear-Com Dual Channel Base Station

RS-501 Single Channel Belt Packs (4)

RS-502 Dual Channel Belt Packs (4)

CC-260 Dual Ear Headsets (4)

CC-95 Single Ear Headsets (4)

Telex RadioCom Wireless Base Station

TR-700 Single Channel Belt Packs (4)



Wall Station Locations

Headset / Speaker Stations

Green Room

Dressing Room A

Dressing Room B

Director's Office

Box Office

Intercom Wall Plates

Catwalk Left

Catwalk Right