Pioneer Works
Tech Specs
Pioneer Works AV  We own state of the art equipment, and with our great local vendor relationships, we can augment a configuration upon request. All tech capabilities are subject to internal programing and dependent on equipment activated for installations in the Main Hall and/or North Hall at the time of request.
Audio & Auxiliary Main Hall + North Hall: Motion Labs Power Distribution Unit

Supply: Dedicated disconnect 200A 3-phase over 5-wire Camlock RGN in to North Hall PD, thru to Main Hall PD

Output North Hall: 6x L2130 breakered at 30A, 6x Edison duplex breakered at 20A

Output Main Hall: 6x L2130 breakered at 30A, 6x Edison duplex breakered at 20A

Lighting & Video Main Hall: Motion Labs Power Distribution Unit

Supply: Dedicated breaker 100A 3-phase over 5-wire Camlock RGN in

Output: 3x L2130 breakered at 30A, 6x Edison duplex breakered at 20A
First Floor AV
Main Hall

Mains: d&b Audiotechnik Line Arrays
Left: 4x V8, 2x V12, 2x VSUB
Right: 4x V8, 2x V12, 2x VSUB
Under stage: 4x JSUB

Fills: d&b Audiotechnik Point Source
Left: 1x V7P, 2x VSUB
Right: 1x V7P, 2x VSUB
Farfield Delays: 2x E12

Monitors: d&b Audiotechnik Loudspeaker
Monitors: Up to 8x M4 (with 8 discrete mixes)

Amplification: d&b Audiotechnik Amplifiers
Mains: 4x d&b D80: 4 channels × 4000 W into 4 Ω per amp max output
Fills: 1x d&b D20: 4 channels × 1600 W into 4 Ω per amp max output
Monitors: 3x d&b D20: 4 channels × 1600 W into 4 Ω per amp max output

CONSOLES
FOH: Midas M32 + iPad
Monitors: Midas M32 + iPad

Signal: 32-channel Whirlwind passive transformer balanced split with stage snakes, isolated signal to monitors, main signal to FOH DL32. DL32 homeruns to FOH via redundant Ethercon AES-50 runs

LIGHTING FIXTURES
Downstage truss: 12x Martin RUSH 2, 4x Source Four 575 W, 2x Martin RUSH MH6
Sidestage truss: 4x Martin RUSH 2 each side
Upstage truss: 8x Martin RUSH 1
Ground support: 8x ChromaQ Color Force 8” downstage edge

Control: Chamsys QuickQ 20
Signal: DMX out Universe 1 to 1x8 opto-splitter; Entec DMX over USB for sync with Ableton / Max MSP

VIDEO
Display: Christie DWU1075-GS 10k lumen laser projector
Signal: HDMI over 3G SDI via Decimator, Blackmagic distribution for longer runs and multiple display

Typical configuration described. Contact Technical Director to confirm up-to-date plot.
First Floor AV
North Hall

**Mains:** d&b Audiotechnik Point Source
**Left:** 2x flown V12
**Right:** 2x flown V12
**Subs:** 4x ground VSUB

**Fills:** d&b Audiotechnik Point Source
**Center Fill:** 1x flown M4
**Side Fills:** 2x flown E12
**Front Fills:** 2x V7P

**Monitors:** d&b Audiotechnik Loudspeaker
**Monitors:** Up to 6x M4 (with 6 discrete mixes)

**Amplification:** d&b Audiotechnik Amplifiers
**Mains:** 1x d&b D20: 4 channels × 1600 W into 4 Ω per amp max output
**Fills & Monitors:** 2x d&b D20: 4 channels × 1600 W into 4 Ω per amp max output

**Control:** Midas M32 + iPad at FOH, monitors controlled from FOH

**Signal:** Stage snakes into Midas DL32. DL32 homeruns to FOH via redundant Ethercon AES-50 runs

**LIGHTING FIXTURES**

**Downstage:** 6x Martin RUSH 2, 4x Source Four 575 W, 2x Martin RUSH MH6
**Sidestage:** 4x Martin RUSH 2 each side
**Upstage:** 8x Martin RUSH 1
**Ground support:** 8x ChromaQ Color Force 8" upstage uplighting brick wall

**Control:** Chamsys QuickQ 20
**Signal:** DMX out Universe 1 to 1x8 opto-splitter; Entec DMX over USB for sync with Ableton / Max MSP

**DIGITAL SIGNAGE**

**Front Desk:** 3x Samsung QM65H
**Stairwell:** 3x LG 34UM69G-B 34" 21:9 UltraWide IPS

**VIDEO**

**Display:** Christie DWU1075-GS 10k lumen laser projector
**Signal:** HDMI over 3G SDI via Decimator

Typical configuration described. Contact Technical Director to confirm up-to-date plot.

*Note: North Hall contains an 18' × 32' Sched. 40 pipe grid installed in the ceiling, approximately 15' above floor*
Second Floor AV

Second Floor Classroom
— 1x 55" Vizio wall-mounted display with HDMI panel tie-in
— 2x Mackie CR4 speakers for audio playback

Third Floor AV

Third Floor Science Studios
— 4x QSC K12s + QSC compact sub for speakers
— Behringer X32 w/ iPad for control
— Christie LWU 401 for projections

Third Floor Science Conference
— 1x Epson Home Cinema 1440 with HDMI panel tie-in
— 2x Mackie CR4 speakers for audio playback
Contact

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