

WOOLLY MAMMOTH THEATRE

WASHINGTON DC

KATE FEATO

LIGHTING/ELECTRICAL OPTION



Project Team

Owner: Woolly Mammoth Theatre Company

Architect: Mcinturff Architects

General Contractor: Davis Construction

Structural Engineer: Tadger-Cohm-Edelson

MEP Engineer: GHT Chartered

Architectural Lighting: C.M. Kling & Assoc. Inc

Project Information

Location: 641 D Street NW Washington DC

Occupancy: 265 seat courtyard style theater with associated support spaces

Size: 31,608 SF

Number of Stories: 3

Dates of Construction: 4.1.04 - 4.26.05

Project Cost: \$8 Million

Delivery Method: Design-Bid-Building



Mechanical

The space has ten air handling units ranging from 11,250 cfm to 625 cfm. There are 14 fans ranging from 33,000 cfm to 500 cfm. There are six electric heating coils running at 208 volts varying from 8200 cfm to 1200 cfm.



Electrical

All panelboards are run at 208/120 volt. There are (2) 2000A switchboards. One is servicing all mechanical equipment and motors, while the other is servicing the lighting/dimming and general equipment. There is one transformer used for two fused disconnect switches, which control the audio visual equipment.

Lighting

The lighting has an industrial theme. The fixtures used are simple and edgy. Black, white and aluminum track is used to accentuate walls throughout the lobby. Industrial luminaires and bare par lamps are placed in the theatre and office suite. There is a 22' high light wall, which is lit with bare pars shining down behind semi-translucent laminate panels. 90% of the fixtures in the space are halogen incandescent.



Structural

The building shell was a provided CMU structural cavity with historic brick facade. Floors are metal decking with concrete fill supported by steel joists. Structural steel reinforced concrete beams and columns run throughout the space.