

## Slide Outline

1. Cover Slide | Personal Introduction
2. Presentation Outline Overview
3. Building Overview | General Statistics, Location
4. Building Overview | Spaces
5. Lighting Depth
  - A. Concept & Overview
  - B. Main Lobby
    - i. Design Goals & Criteria | Floor Plan
    - ii. Lighting Layout | Schematic, RCP, Render
    - iii. Quantitative Data | Psuedo Color Rendering, Summary
  - C. Lower Lobby (more quickly, repetitive of Main Lobby).
    - i. Design Goals & Criteria | Floor Plan
    - ii. Lighting Layout | Schematic, RCP, Render
    - iii. Quantitative Data | Psuedo Color Rendering, Summary
  - D. Rooftop Garden
    - i. Design Goals & Criteria | Floor Plan
    - ii. Lighting Layout | Schematic, RCP, Render
    - iii. Quantitative Data | Psuedo Color Rendering, Summary
  - E. Summary of Spaces
6. Electrical Depth
  - A. Overview of Studies
  - B. Proposed Studies Deemed Infeasible | PV Array, DC Power, 480V Service
  - C. Lighting Controls
    - i. Overview
    - ii. One Line
  - D. Economization of Distribution System
    - i. Overview
    - ii. RS Means Cost Data & Evaluation
7. Structural Breadth
  - A. Overview
  - B. Thermal Study
    - i. THERM Outputs
  - A. Moisture Study
    - i. WUFI Outputs
8. Acoustical Breadth
  - A. Overview & Lighting Implementation
  - B. Existing Design & Adjusted Design
9. Conclusion
10. Acknowledgements
11. Final Slide | Questions

# BROOKLYN ACADEMY OF MUSIC

MEGAN grant  
Lighting | Electrical

# LIGHTING

## DEPTH



# BROOKLYN ACADEMY OF MUSIC | FISHER BUILDING

PROJECT OVERVIEW

## LIGHTING DEPTH

CONCEPT | LOBBY | ROOF GARDEN

## ELECTRICAL DEPTH

SUPPLY POWER STUDY | ONE-LINE

## STRUCTURAL BREADTH

BUILDING ENVELOPE | SPANDREL BEAM

## ACOUSTICAL BREADTH

ACOUSTIC STUDY | REVISED LAYOUT

## CONCLUSION

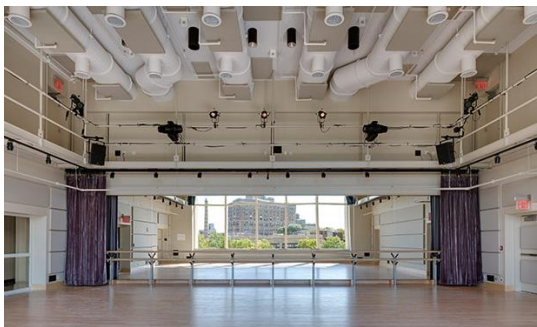
SUMMARY | ACKNOWLEDGEMENTS

### GENERAL BUILDING DATA

Location and Site	321 Ashland Place, Brooklyn NY
Building Occupant	Brooklyn Academy of Music
Occupancy	Theater (A-1)
Size	40,000SF
Construction Dates	10/1/2010-5/1/2012
Total Project Cost	\$52 million

### KEY PLAYERS

Architects	H3 Hardy Collaboration
Lighting Designer	Cline Bettridge Bernstein Lighting Design
MEPF Engineers	ICOR Associates, LLC
Structural Engineer	Robert Silman Associates
Acoustical Consultant	Akustiks, LLC





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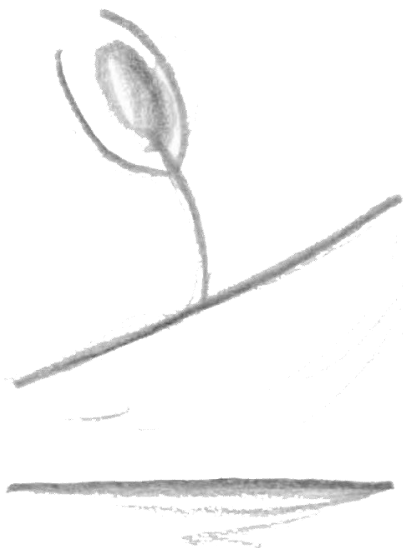
## DESIGN GOALS

Focal Point Emphasis

Psychological Impression | Pleasantness

Inviting Atmosphere

Adaptability of Design



## DESIGN CRITERIA

Horizontal Illuminance Levels

Space Type	Task	Day E <sub>h</sub> (lux)	Night E <sub>h</sub> (lux)	Day E <sub>v</sub> (lux)	Night E <sub>v</sub> (lux)
Lobby	Transition Space	100	50	30	20
Lounge	Social/Waiting Area	40	40	15	15

Uniformity | 4:1

Lighting Power Density | 2 W/ft<sup>2</sup>



## PETER JAY SHARP LOBBY | MAIN

