

Designers Lighting Forum

The Lighting Evolution of the Veterans Room At The Park Avenue Armory

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March 7, 2023





Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request.

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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.





Learning Objectives

At the end **of** this this course, participants will have had the opportunity:

1. To learn the historical context of the Park Avenue Armory and how it relates to the invention of electric light.

2. To learn about the cultural and technological evolution of the Veterans Room at the Park Avenue Armory through the lens of its lighting fixtures.

3. To get a glimpse into the collaborative process between Architect, Lighting Designer, and Restorer.

4. To understand how the fixtures were restored both with respect for their historical nature and with consideration for the contemporary use of the space.

5. Through actual working fixtures, attendees will be able to compare gas lighting, incandescent lighting, and the integrated LED solution that was implemented at the Armory.



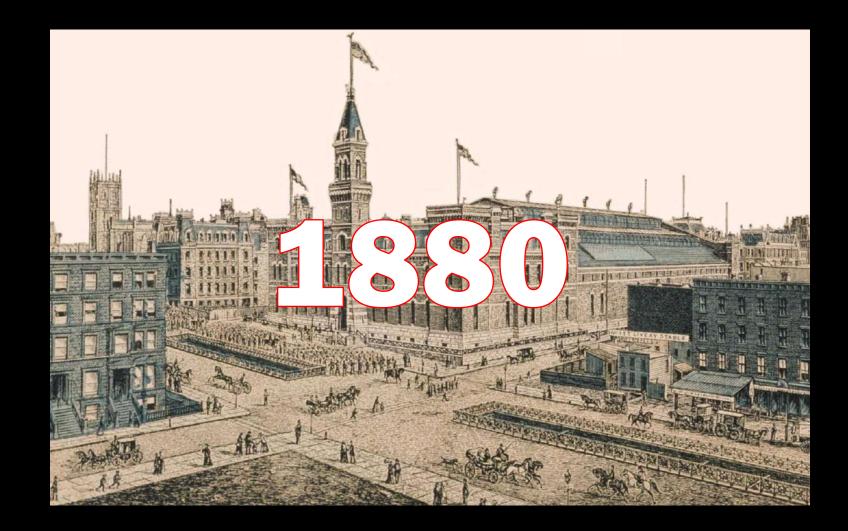








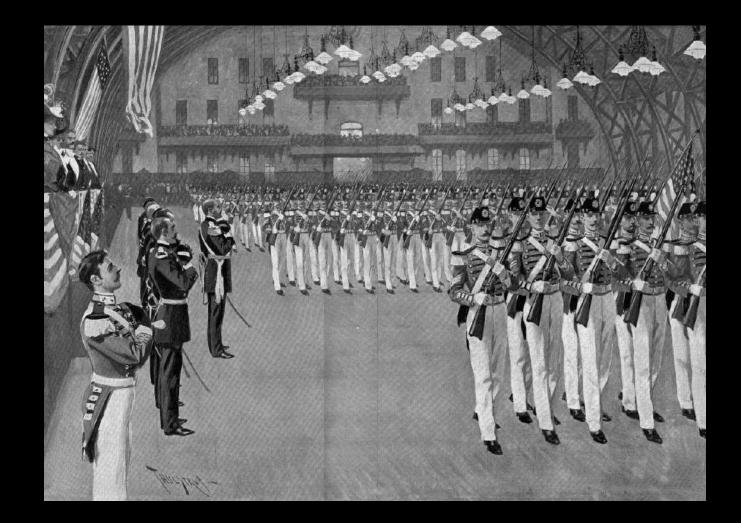








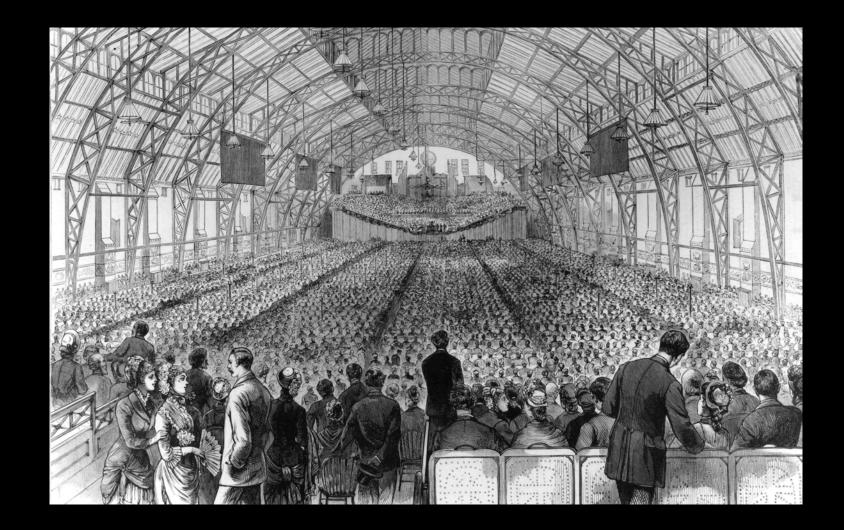








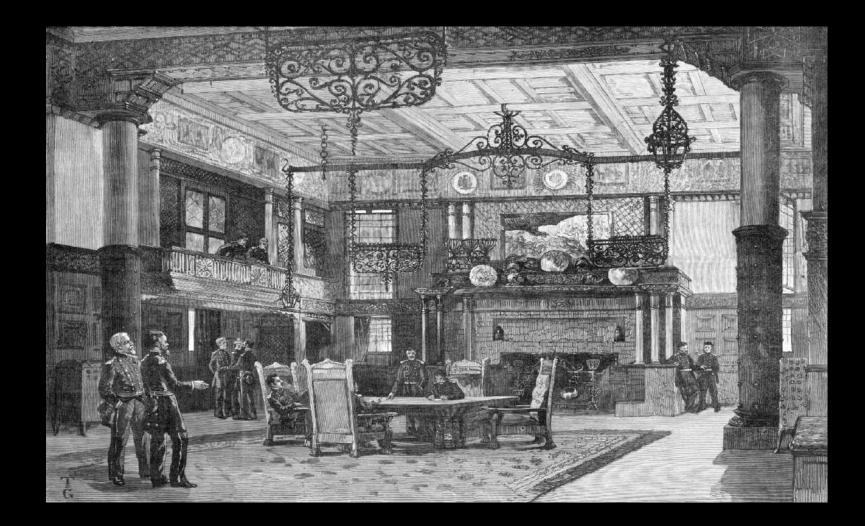






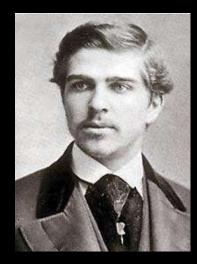












Louis Comfort Tiffany Master Designer





Samuel Colman Painting and Color





Candace Wheeler Textiles





Stanford White Woodwork















"...**unique** in its appointments and decorations, and **undoubtedly** the **most magnificent** apartment of the kind in this country...."

-The New York Times, 1881









"this is the work of Mr. Tiffany in [his] most **ingenious** and **picturesque** manner."

- Decoration and Furniture, 1881











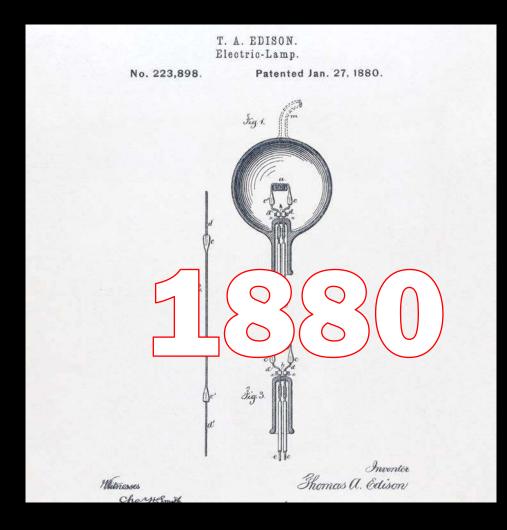






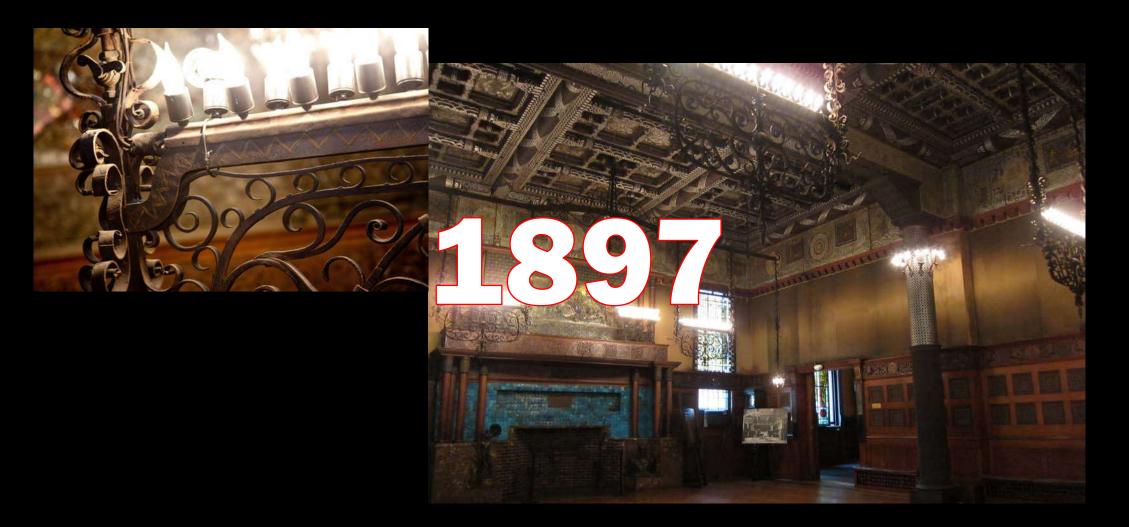


















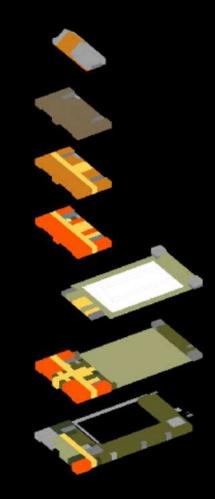












FIFTH FLOOR REHEARSAL SPACE

FOURTH FLOOR SHELTER

THIRD FLOOR PARK AVENUE ARMORY OFFICES

SECOND FLOOR HISTORIC INTERIORS / PRESENTATION SPACES

MEZZANINE DRILL HALL EXTENSION FROMT OF HOUSE

FIRST FLOOR HISTORIC INTERIORS / PRESENTATION SPACES DRILL HALL FRONT OF HOUSE

BASEMENT FLOOR PERFORMANCE SUPPORT FRONT OF HOUSE











First Project – The Drill Hall





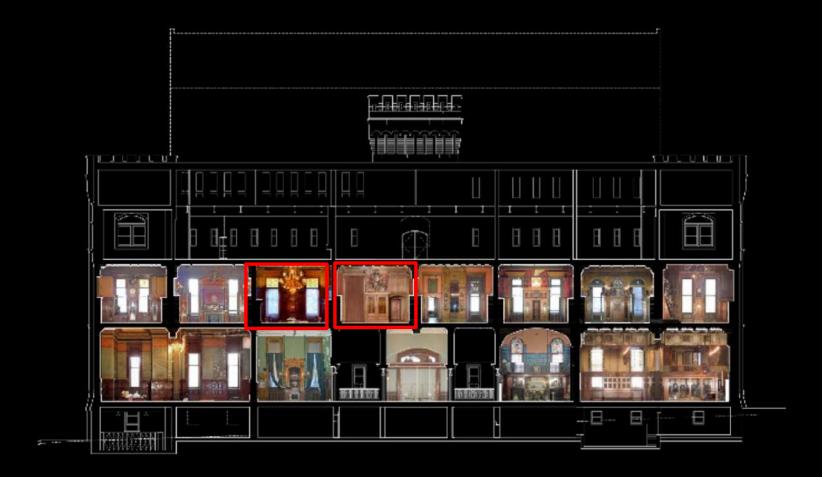




Early Programming - The Drill Hall













Diversity of Rooms



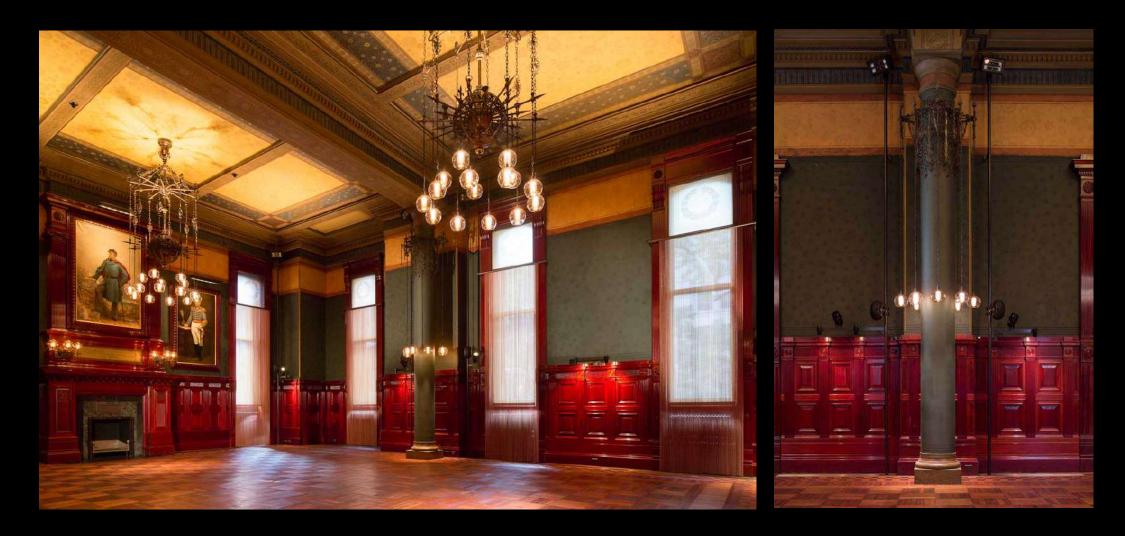




Board of Officers Room







Board of Officers Room























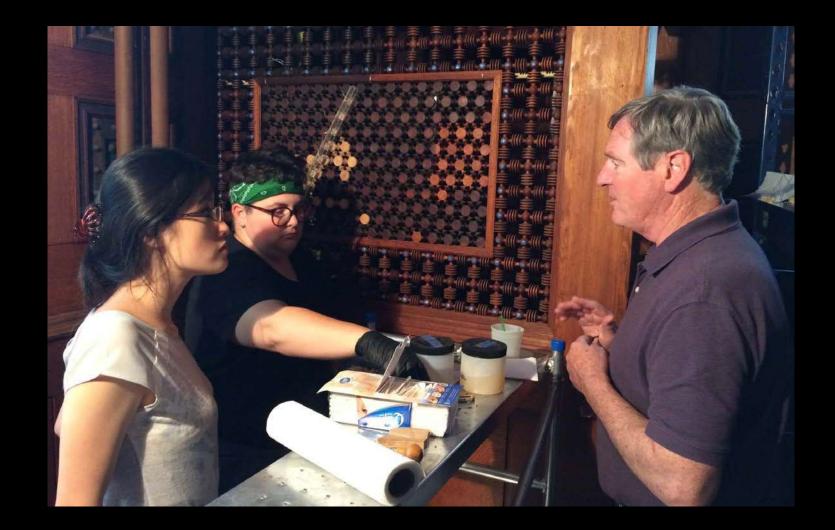














































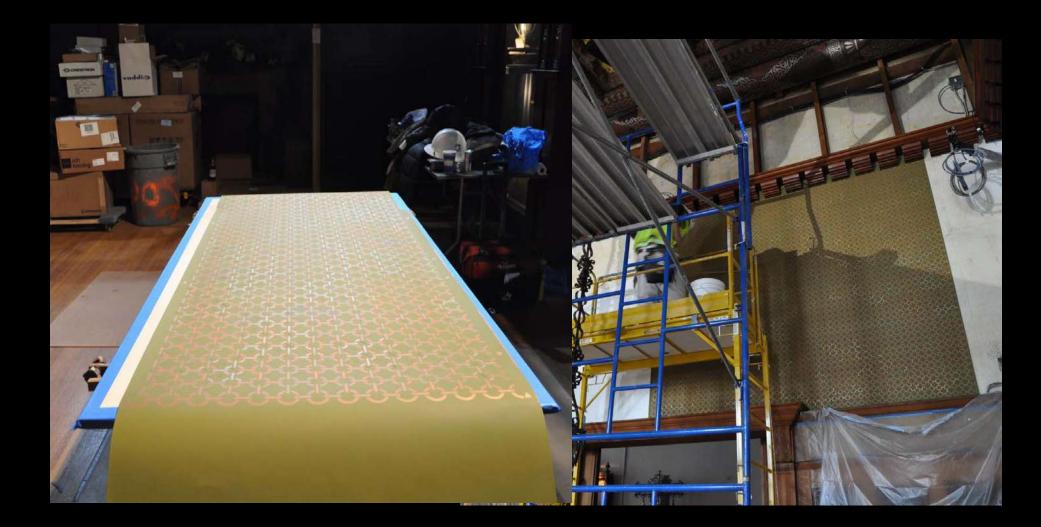






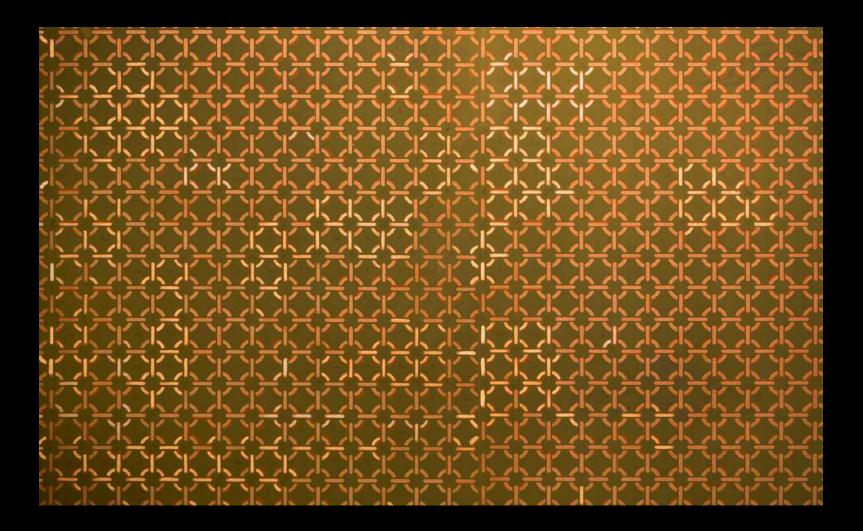






























ORIGINAL ROOM HOLISTIC DESIGN **'FOUND' ROOM** COMPROMISED & FRAGMENTED PRESERVED ROOM HOLISTIC DESIGN



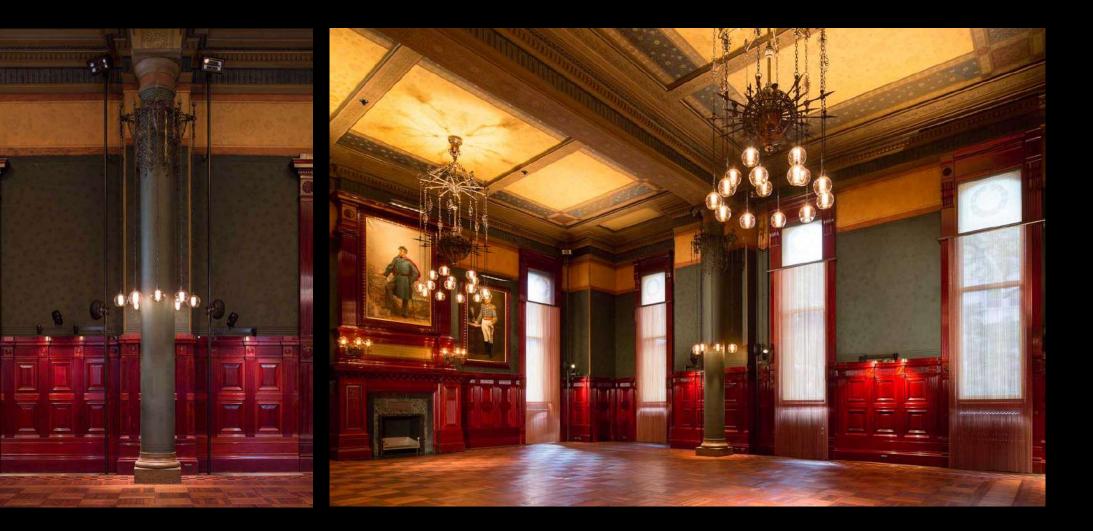






















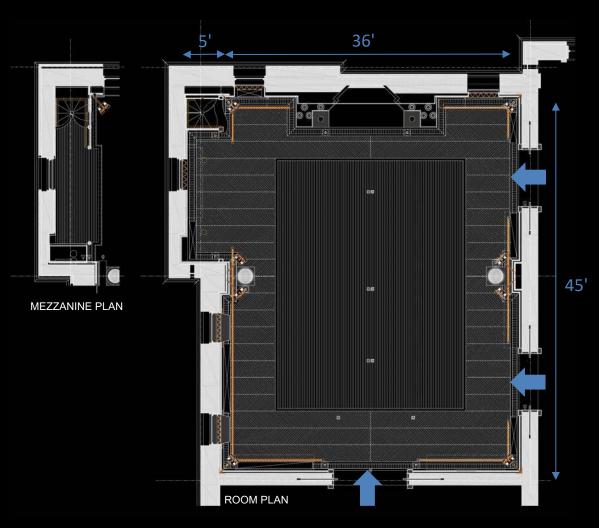






























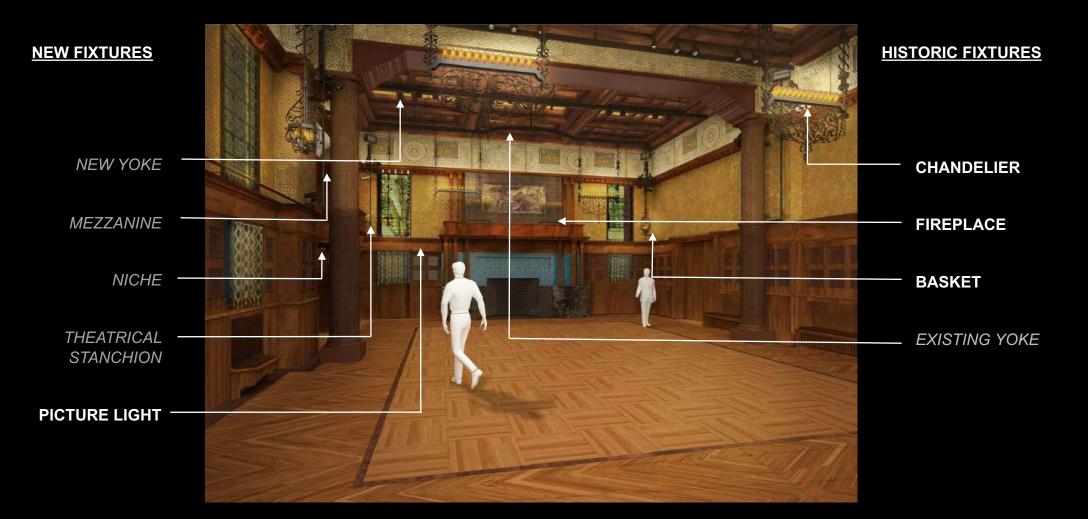








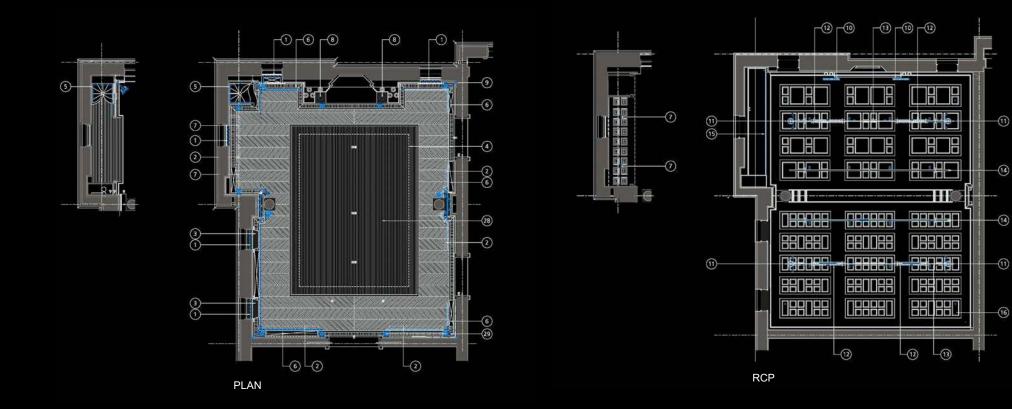








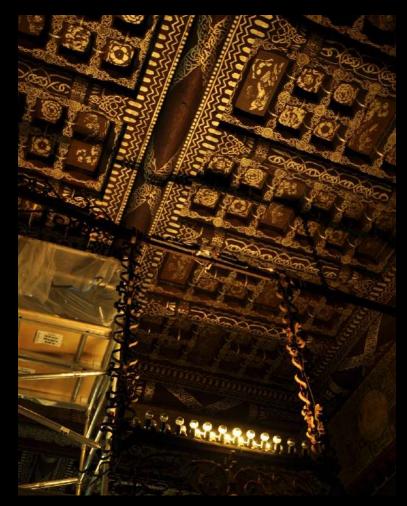


















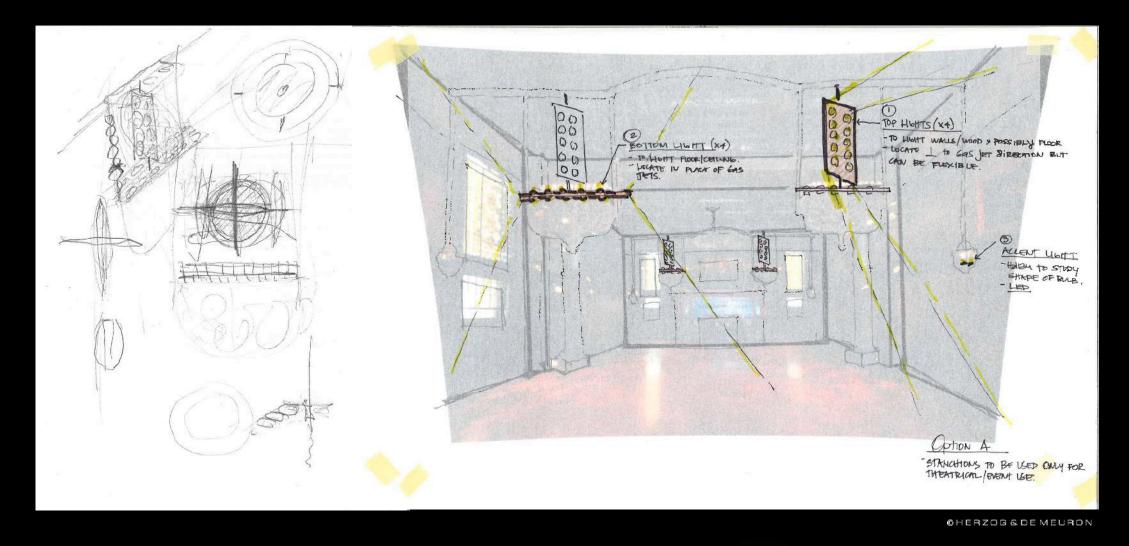






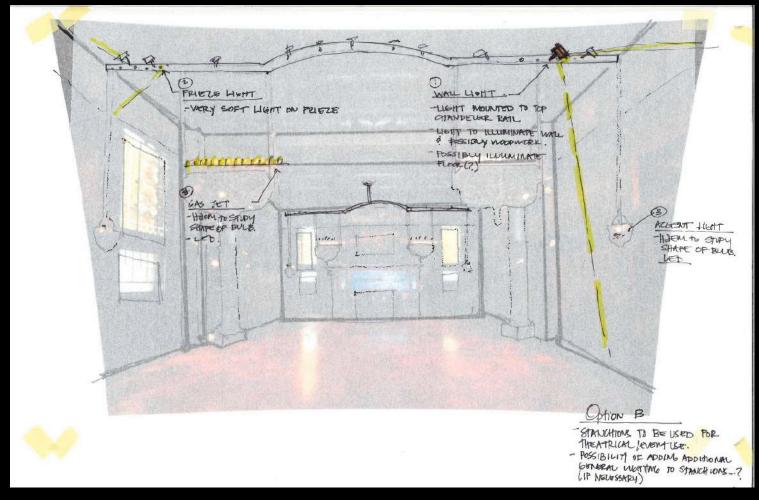






























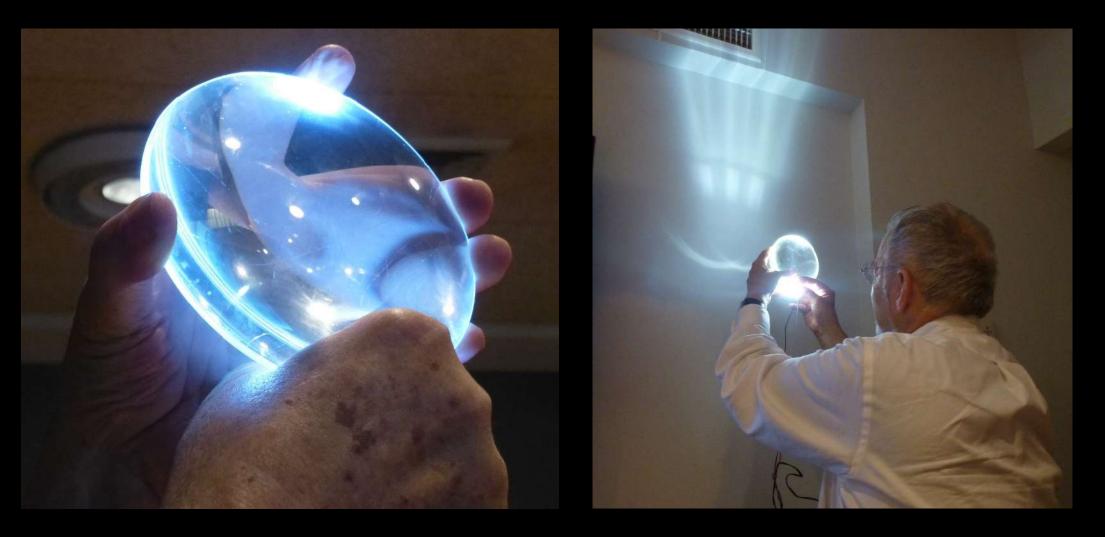






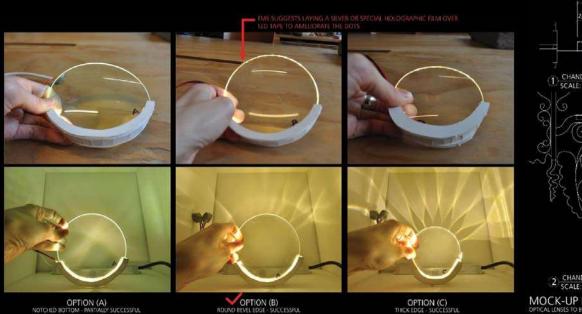


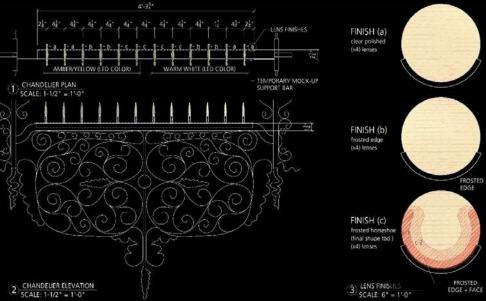












MOCK-UP PROPOSAL

OPTICAL LINES TO BE FINISHED (3) WAYS W/ (2) LED COLOR OPTIONS. MOCK-UP TO BE MOUNTED TO EXISTING CHANDELIER AND METALS TO BE CUSTOM BROAKE TO MATCH DXISTING CHANDELIER. MATERIAL TO BE SUPPLIED BY HIGH FOR AURORA'S USE IN MOCK-UP. (18) UNIVINISHED LENSES, (1) DIMMABLE DRIVEN, (1) WARM WHITE LED TAPE & (1) AMBER LED TAPE.















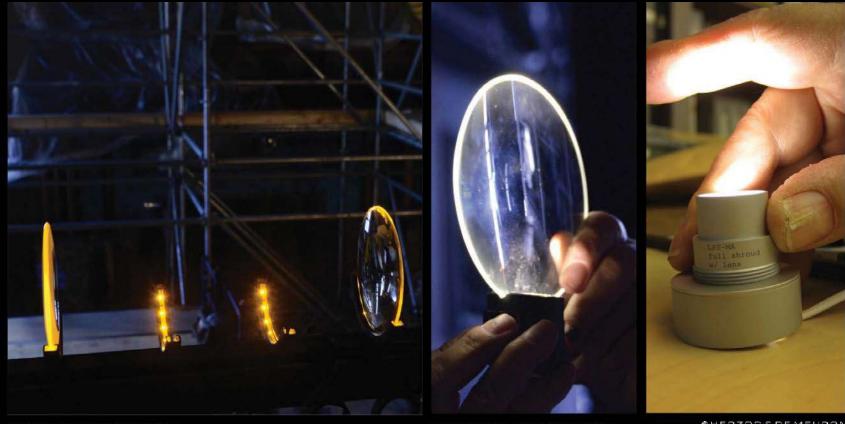










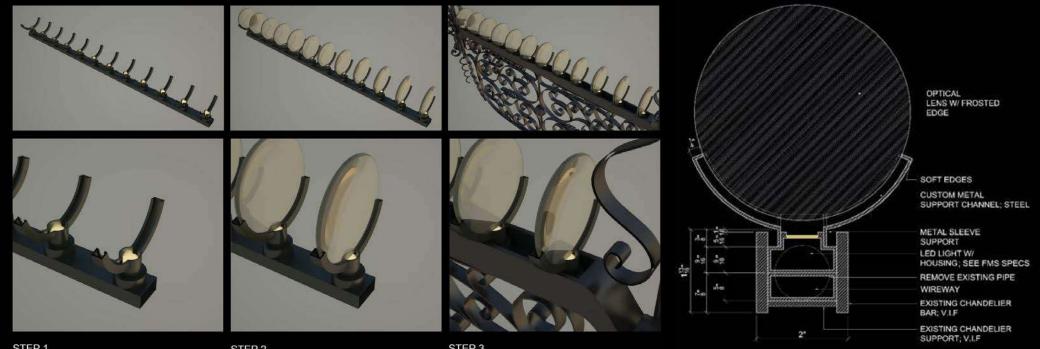


MOCK-UP LIGHT SOURCE 3/8" WIDE LED STRIP LIGHT RECESSED IN FRAME PROPOSED LIGHT SOURCE SINGLE LED SOURCE LIGHT RECESSED IN LED HOUSING







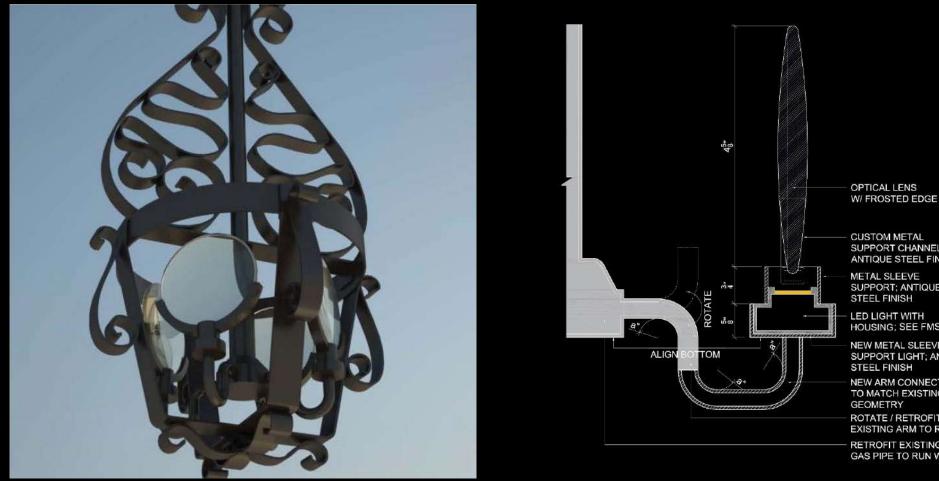


STEP 1 METAL HOUSING & LED LIGHTING STEP 2 METAL HOUSING & LED LIGHTING + LENSES STEP 3 METAL HOUSING & LED LIGHTING + LENSES + CHANDELIER









CUSTOM METAL SUPPORT CHANNEL: ANTIQUE STEEL FINISH METAL SLEEVE SUPPORT; ANTIQUE STEEL FINISH LED LIGHT WITH HOUSING; SEE FMS SPECS NEW METAL SLEEVE TO SUPPORT LIGHT; ANTIQUE STEEL FINISH NEW ARM CONNECTION TO MATCH EXISTING GEOMETRY ROTATE / RETROFIT EXISTING ARM TO RUN WIRES RETROFIT EXISTING GAS PIPE TO RUN WIRES













































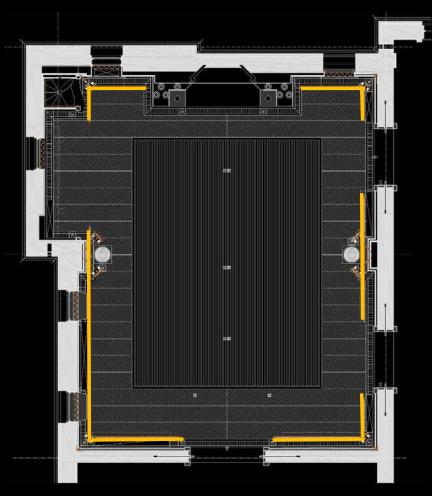








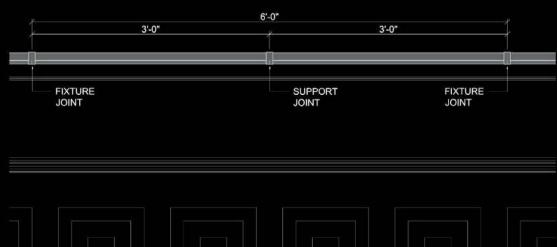




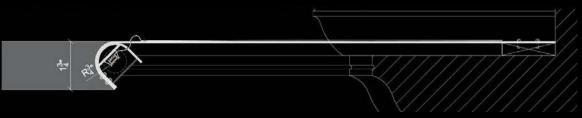












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PLAY OF BRILLIANTS is light as information, which can be dynamic or colorful:

"Times Square at night. It is an eighteenth-century ballroom with crystal chandeliers and many candle flames. It is sunlight on a fountain or a rippling brook. It is a cache of diamonds in an open cave. It is the rose window of Chartres... Play of brilliants excites the optic nerves, and in turn stimulates the body and spirit, quickens the appetite, awakens curiosity, sharpens the wit...."





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FOCAL GLOW is a way to point out important elements:

"The follow spot on the modern stage. It is the pool of light at your favorite reading chair. It is the shaft of sunshine that warms the end of the valley. It is candlelight on the face and a flashlight on a stair... Focal glow draws attention, pulls together diverse parts, sells merchandise, separates the important from the unimportant, helps people see."





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AMBIENT LUMINESCENCE is the background lighting that serves to perceive the environment in general:

"Ambient luminescence is the uninterrupted light of a snowy morning in the open country. It is fog light at sea in a small boat, it is a twilight haze on a wide river where shore and water and sky are indistinguishable. It is in any art gallery with strip-lighted walls, translucent ceilings, and a white floor. (...) Ambient light produces shadowless illumination. It minimizes form and bulk."

ArchDaily Light Matters: Richard Kelly, The Unsung Master Behind Modern Architecture's Greatest Buildings - 2014







BLANK SLATE







PLAY OF BRILLIANTS – HISTORIC CHANDELIERS







PLAY OF BRILLIANTS – HISTORIC CHANDELIERS







PLAY OF BRILLIANTS – HISTORIC FIREPLACE FIXTURES







PLAY OF BRILLIANTS – HISTORIC FIREPLACE FIXTURES







FOCAL GLOW – NEW YOKES







FOCAL GLOW – NEW YOKES







FOCAL GLOW – NEW YOKES









FOCAL GLOW - FRIEZE







FOCAL GLOW - FRIEZE







FOCAL GLOW - FRIEZE





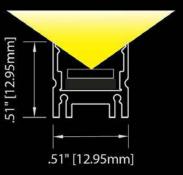


FOCAL GLOW - COVE











FOCAL GLOW - COVE







FOCAL GLOW – MID-LEVEL PICTURE LIGHT









FOCAL GLOW – MID-LEVEL PICTURE LIGHT







AMBIENT LUMINESCENCE – STANCHIONS







AMBIENT LUMINESCENCE – STANCHIONS





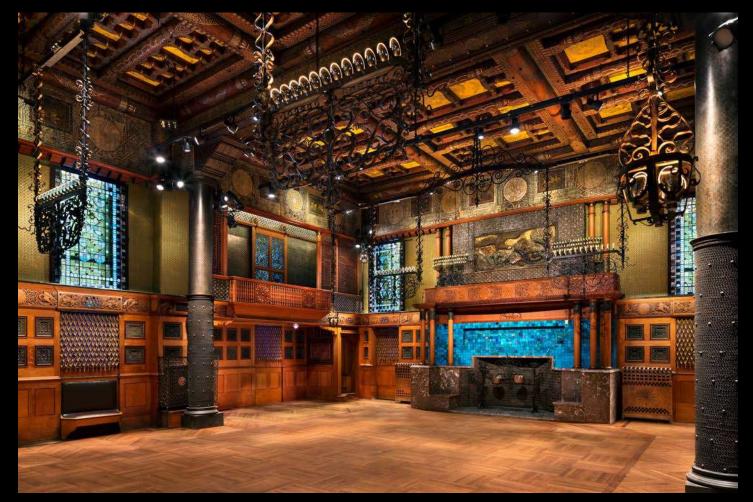


AMBIENT LUMINESCENCE – STANCHIONS









FINISHED ROOM







Frieze

Fireplace

New Yokes and Corner Stanchions

Work/Emergency



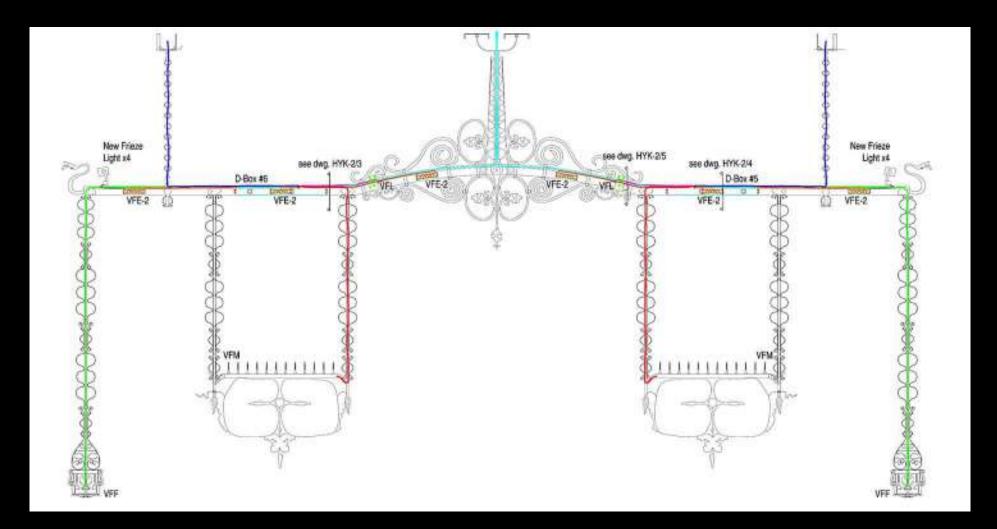






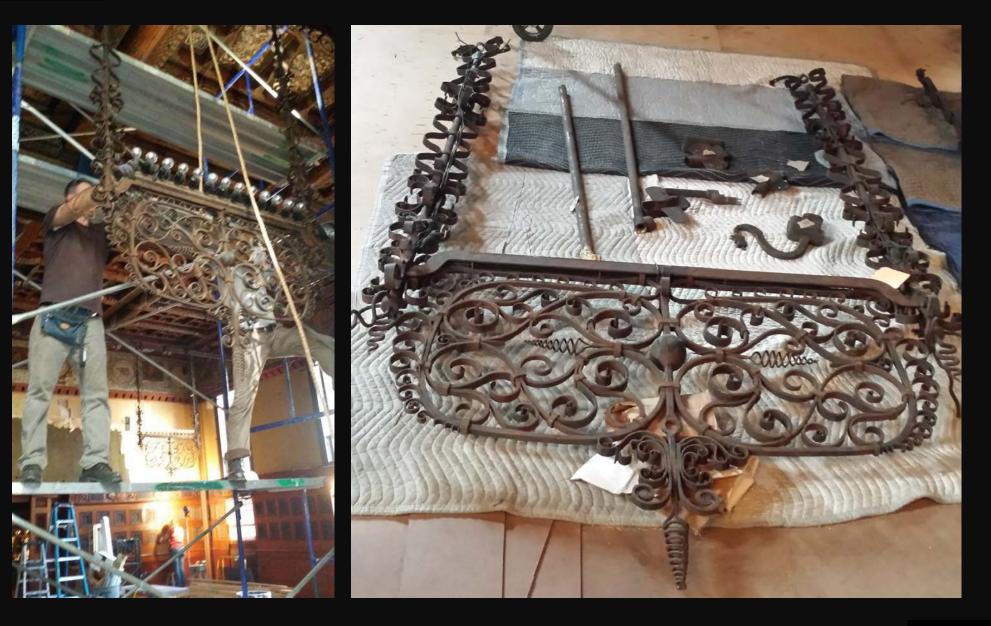








ucation















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EVOLUTION OF THE VETERANS ROOM LIGHTING



LED INCARNATION



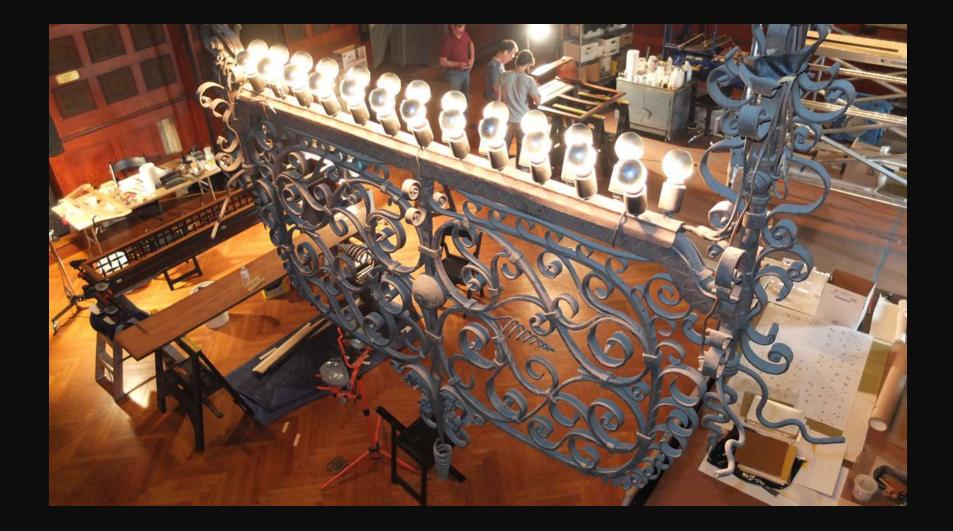
ELECTRIFIED FOR INCANDESCENTS

ORIGINAL GAS PIPE WITH GAS JETS

OF .











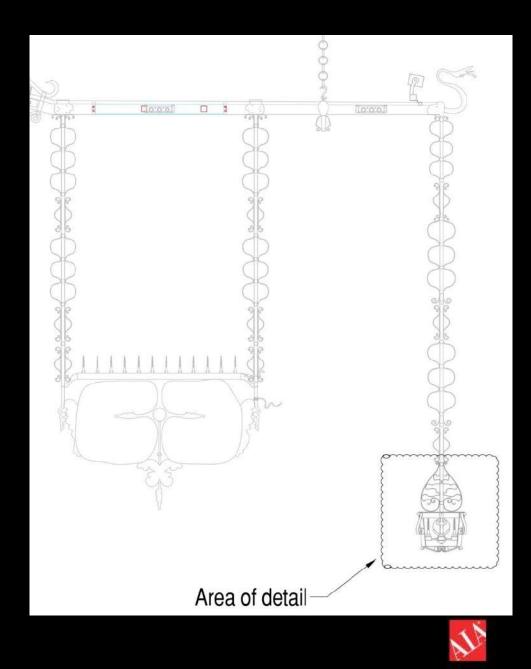
























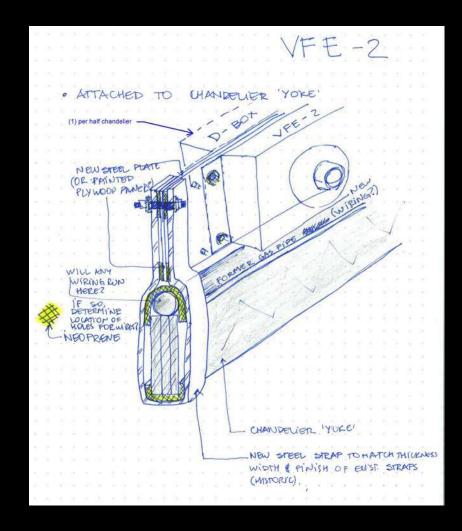










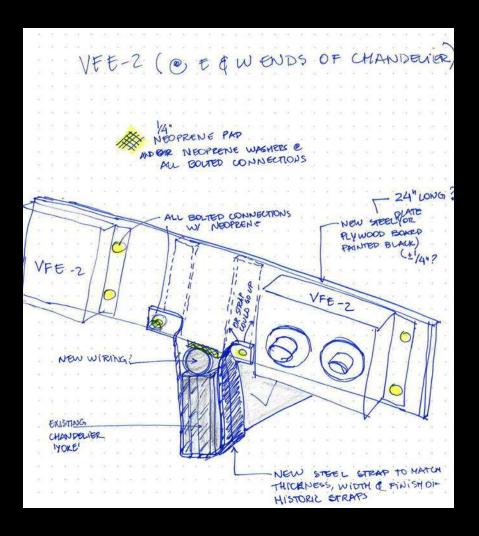




















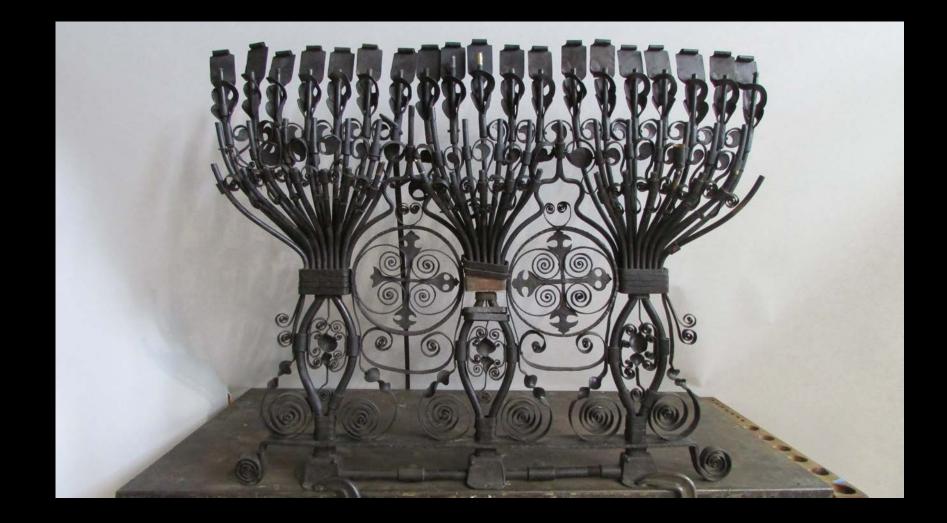






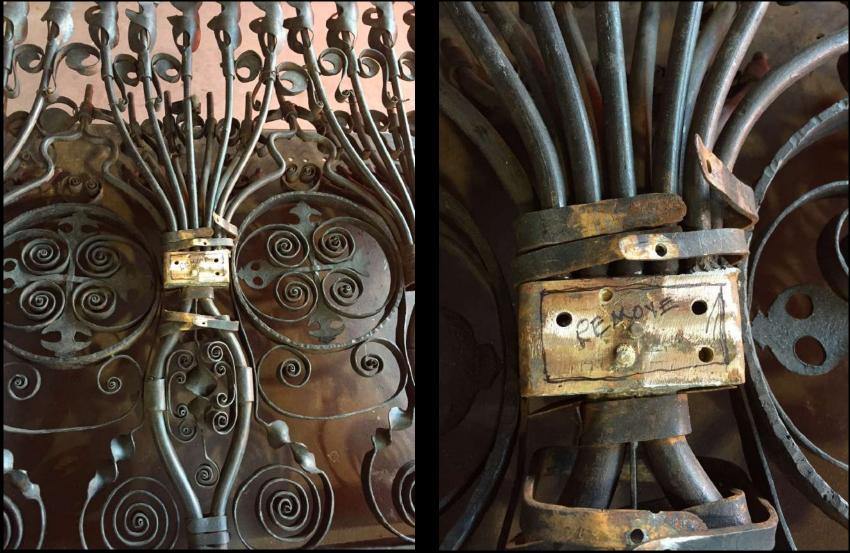






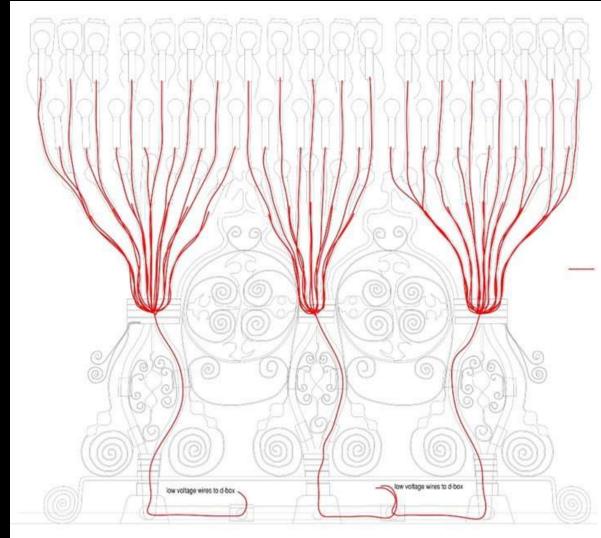






















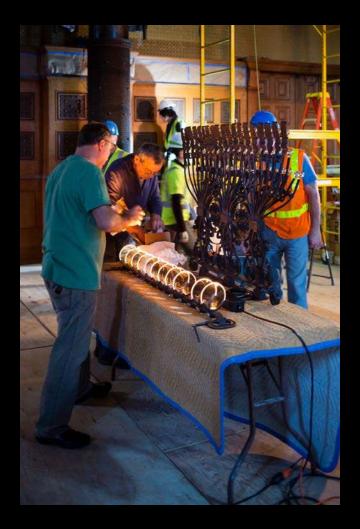






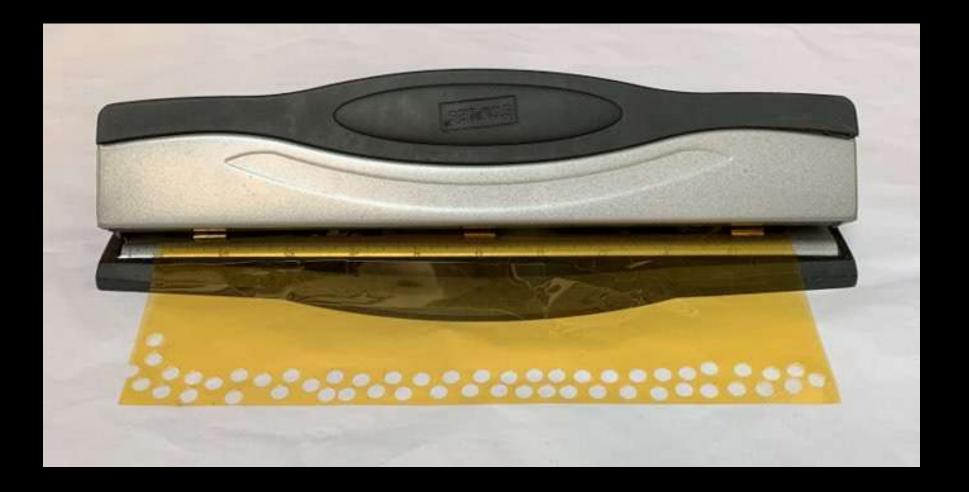














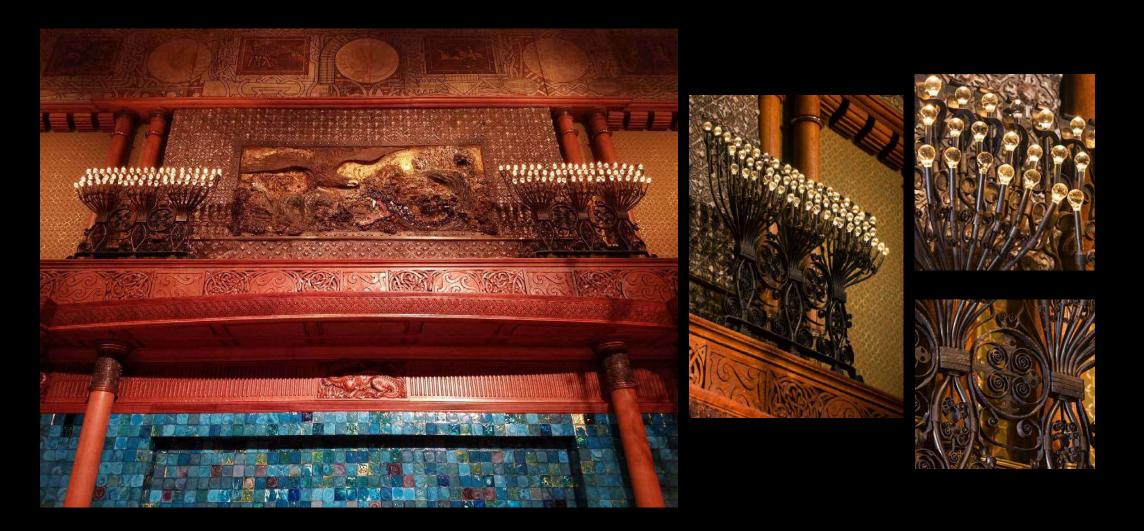












































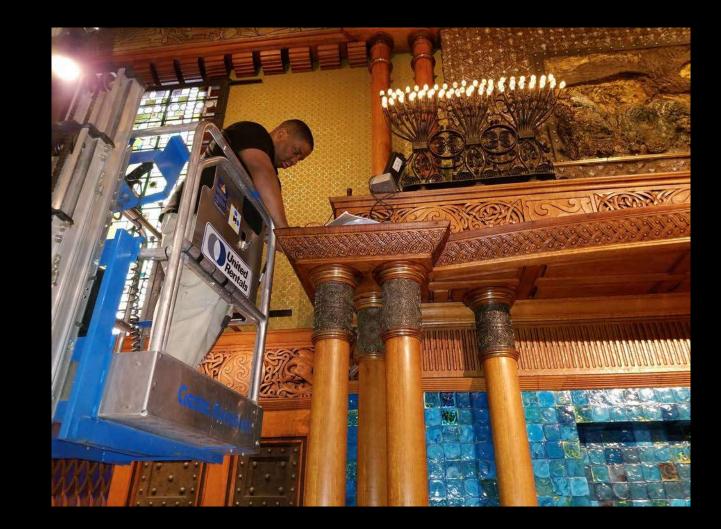






















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