THE LUMINOUS ARCHIVE

FRAME

LIGHT

MEMORY

EXHIBITION CONCEPT

The Luminous Archive is a private film archive and exhibition space designed to preserve, display, and celebrate a collector's cinematic memories. The project transforms the residence into an architectural projector, where light does not simply illuminate objects but frames them, activates narrative, and guides visitors through layers of film history.

The main objective is to balance visual experience and artifact preservation. The collection includes vintage posters, behind-the-scenes photographs, cameras, film reels, signed scripts, and rare original documents. Because these materials vary in sensitivity, the lighting strategy responds through layered illumination: ambient light for circulation and gathering, focused accent light for wall displays, and low-level controlled lighting for archival scripts and glass cases.

National Museum of American History | Entertainment Nation
Source: www.availablelight.com

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Source: www.availablelight.com

Academy Museum of the Motion Pictures
Source: https://www.academymuseum.org/en

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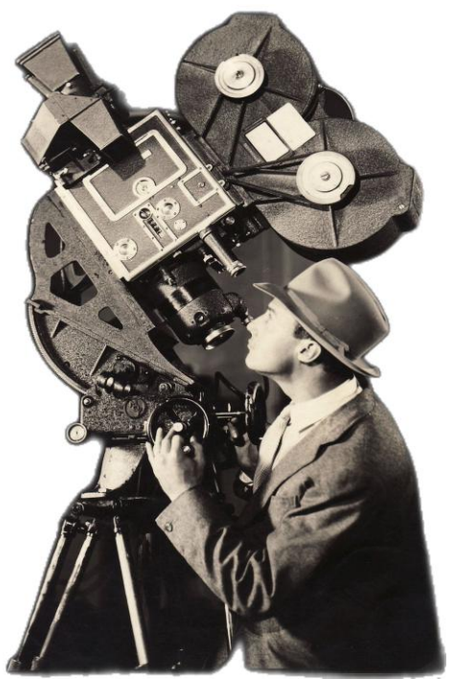
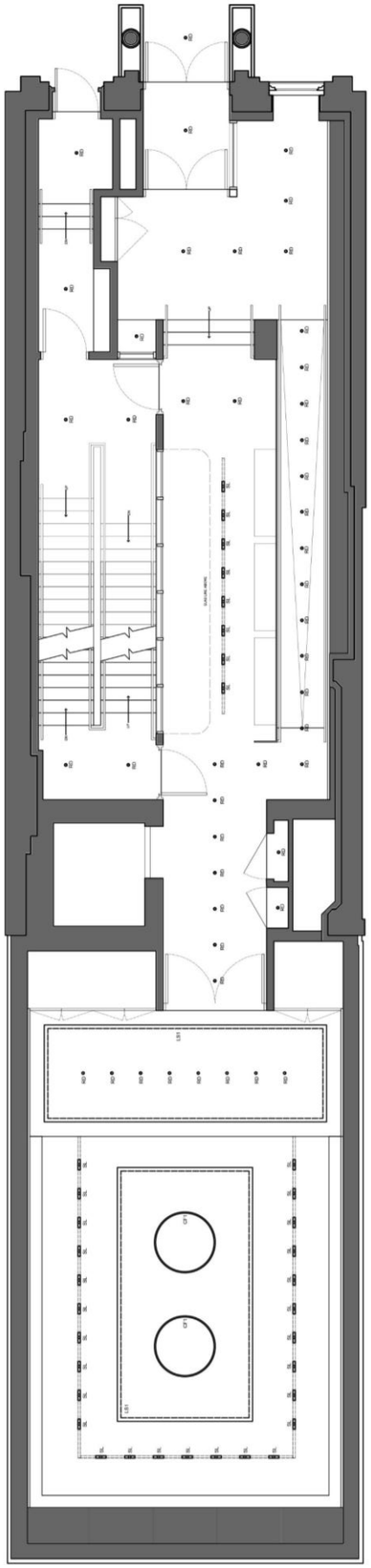
THEORETICAL CONCEPT

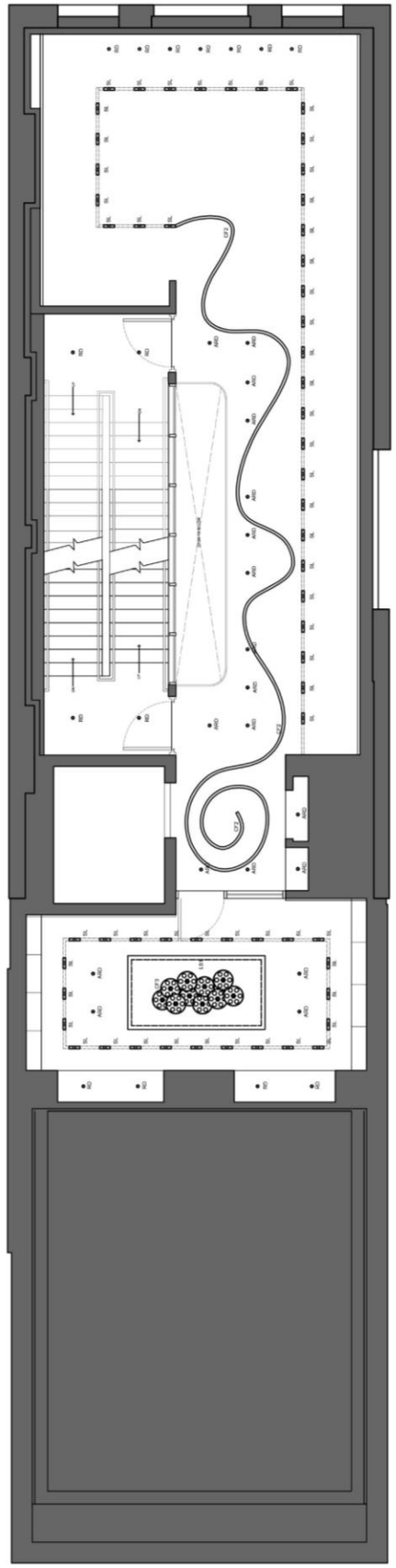
LIGHT AS ARCHIVE

- Film exists only through light.
- Without illumination, there is no image, no frame, no memory.
- This project interprets the residence as an architectural projector, where light does not merely reveal objects, but activates narrative.





FIRST FLOOR – LIGHTING LAYOUT

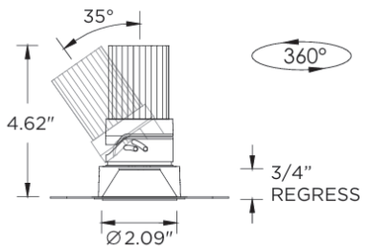


SECOND FLOOR – LIGHTING LAYOUT

RD – RECESSED DOWNLIGHT (FIXED)
MANUFACTURER – IGUZZINI
CCT – 3000 K
CRI > 90

SL – TRACK MOUNTED ADJUSTABLE SPOTLIGHT
MANUFACTURER – IGUZZINI
CCT – TUNABLE WHITE (2700 K – 6500 K)
CRI > 90

LS1 – LINEAR LIGHT FOR COVES
(TROV SLIM L30)
MANUFACTURER – ECOSENSE
CCT – TUNABLE WHITE (2700 K – 6500 K)
CRI > 90



ARD – ADJUSTABLE RECESSED DOWNLIGHT
MANUFACTURER – 3G Lighting
CCT – 3000 K
CRI > 90

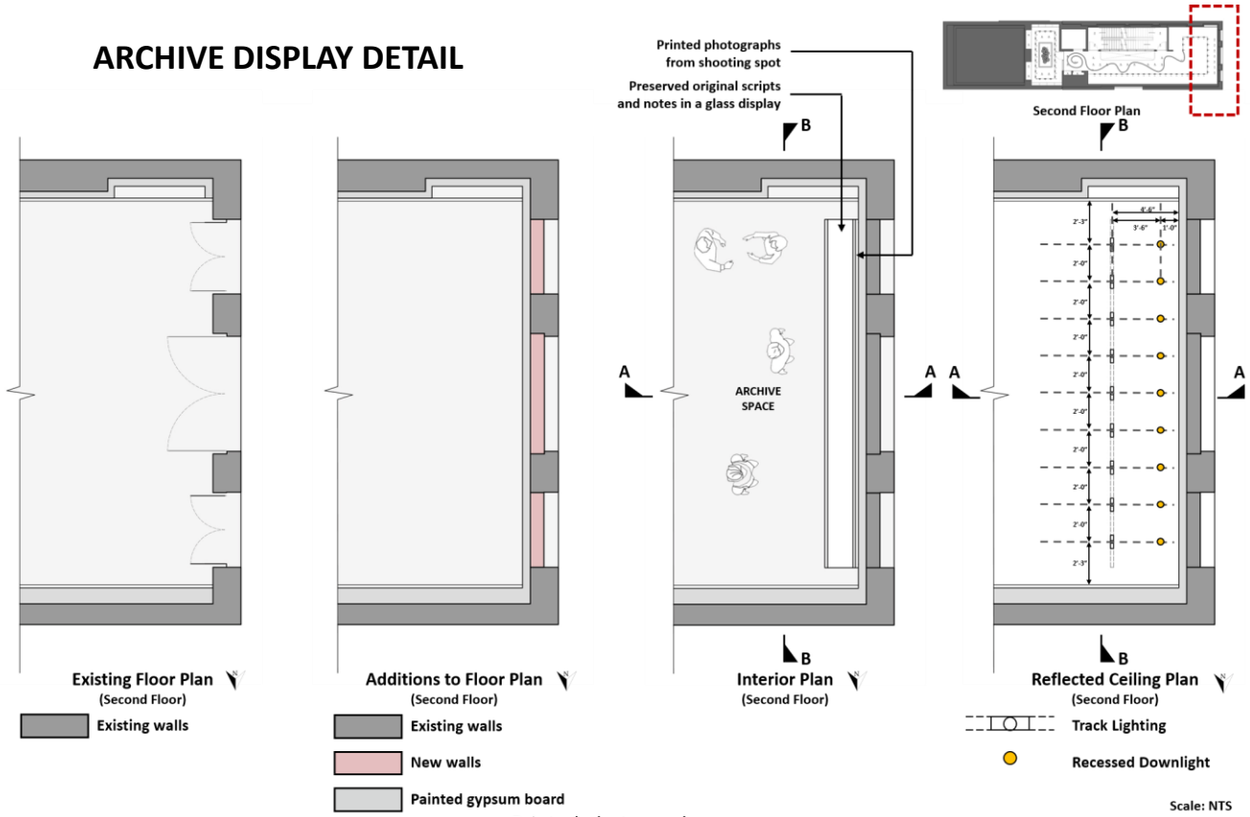
CF1 – CUSTOM CHANDELIER WITH CURVED LED
(TROV SLIM L30)
MANUFACTURER – CORONET LED FIXTURES
CCT – TUNABLE WHITE (2700 K – 6500 K)
CRI > 90

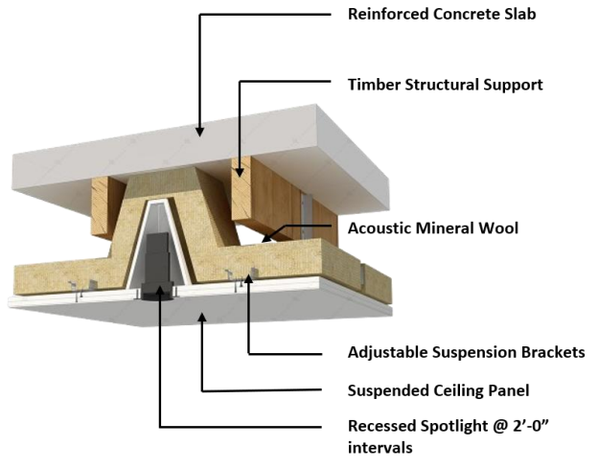
CF2 – SUSPENDED FILM-STRIP LIGHT FEATURE WITH CURVED LED
(TROV SLIM L30)
MANUFACTURER – CORONET LED FIXTURES
CCT – TUNABLE WHITE (2700 K – 6500 K)
CRI > 90

CF3 – MADE WITH RECYCLED REEL ROLLS
CUSTOM MADE
WITH INCANDESCENT
LAMPS

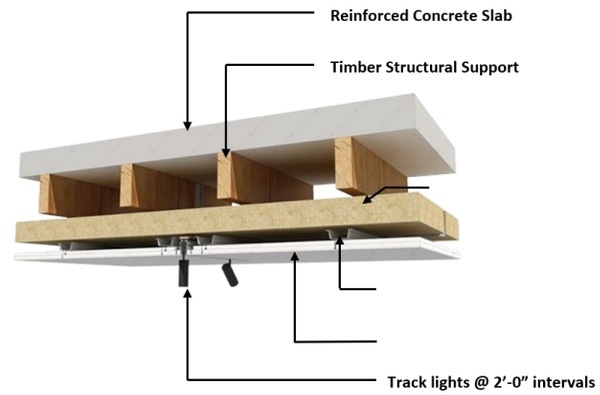
LIGHT FIXTURE DETAILS

ARCHIVE DISPLAY DETAIL

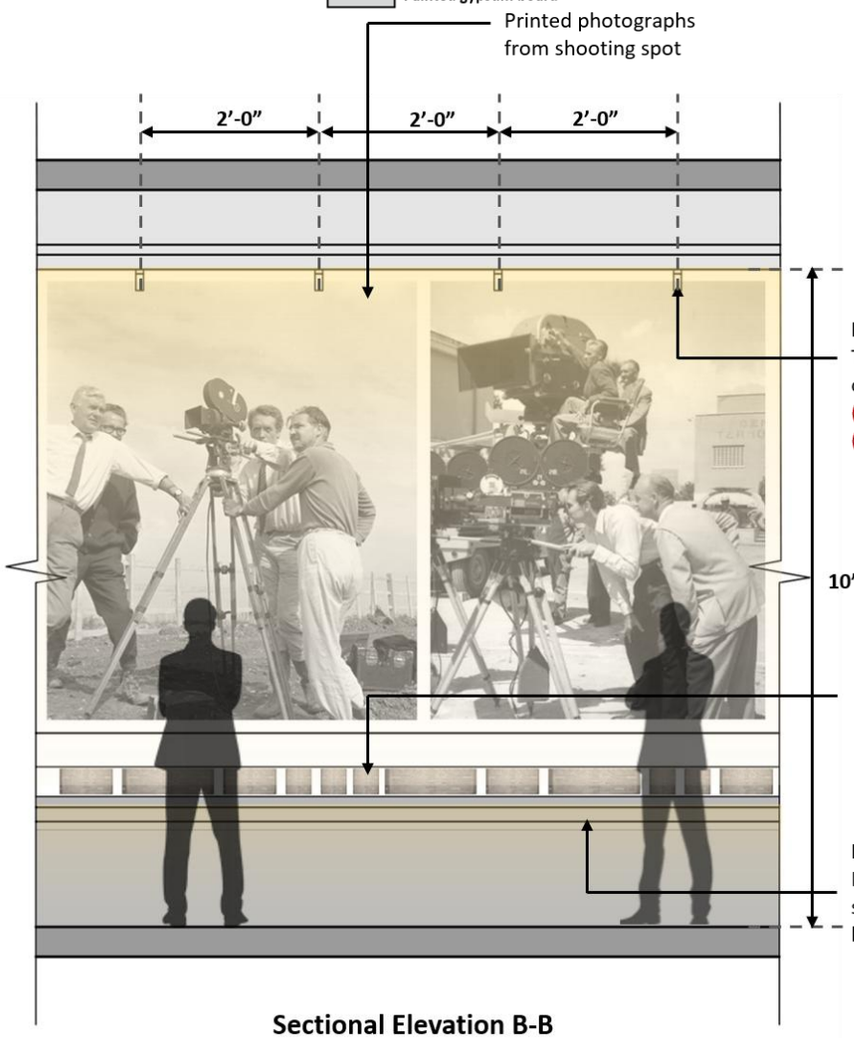




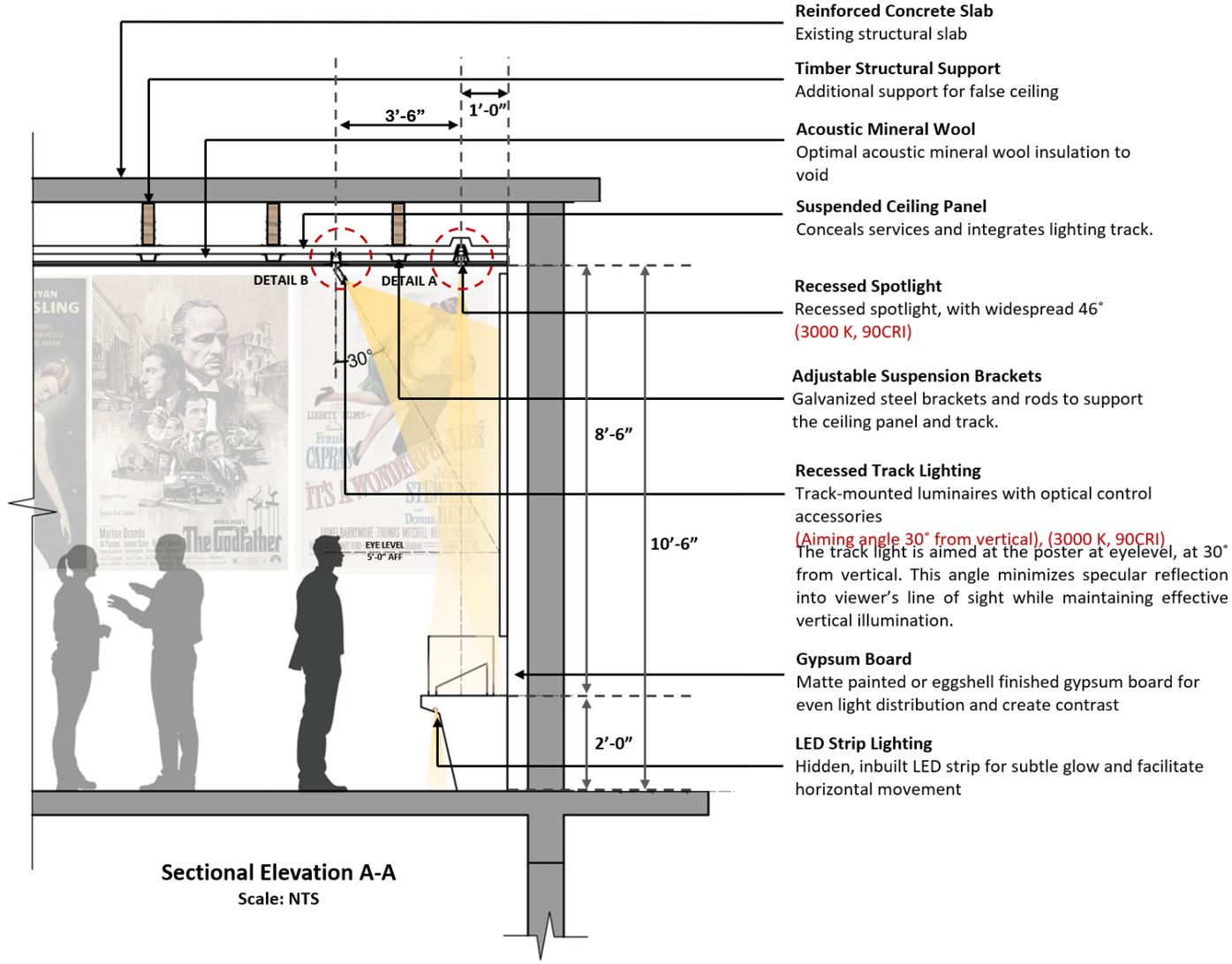
Detail A: Recessed Spotlight Mounting Detail
Scale: NTS



Detail B: Recessed Track Light Mounting Detail
Scale: NTS

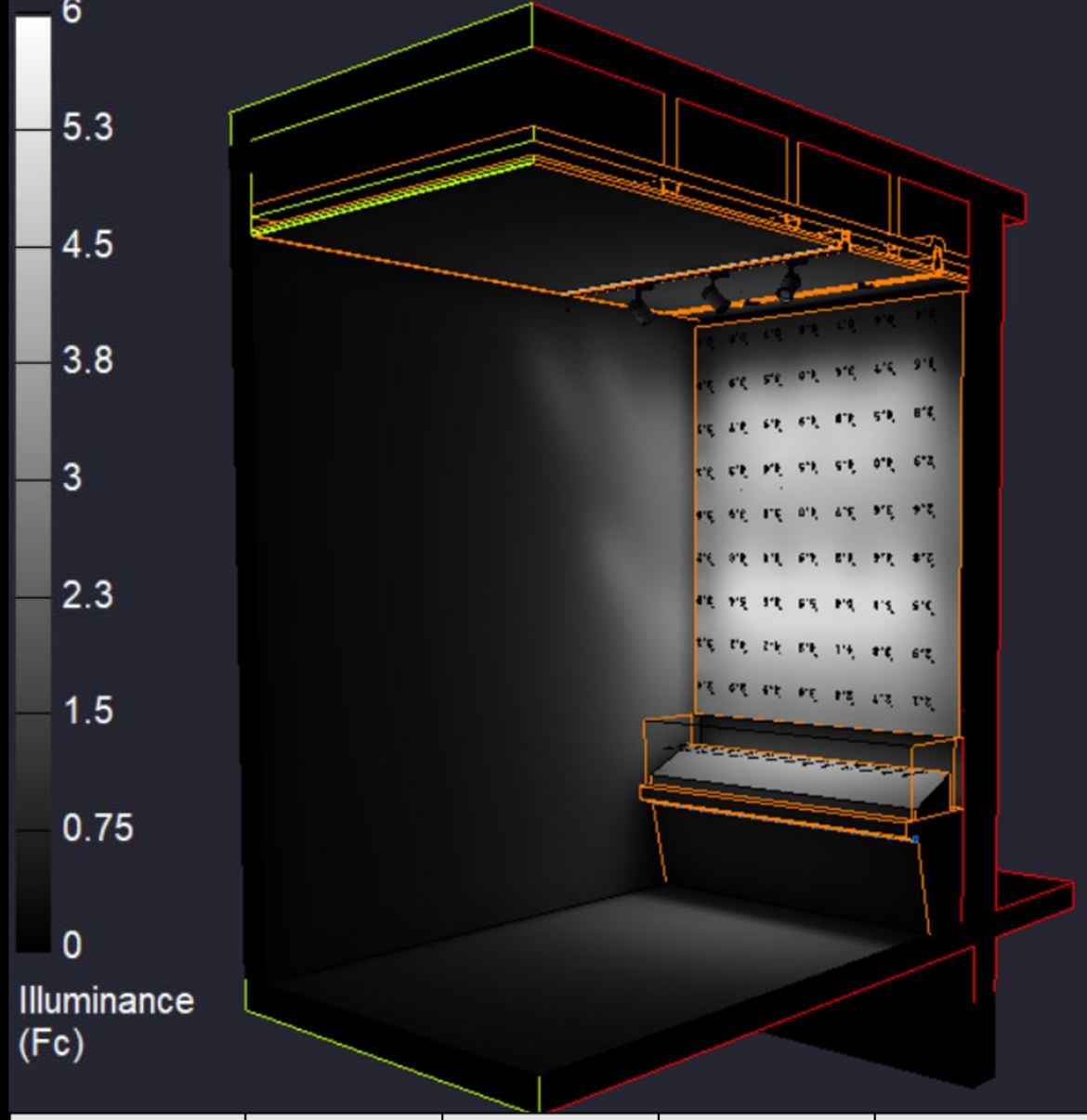


Sectional Elevation B-B
Scale: NTS



Sectional Elevation A-A
Scale: NTS

SPACE RENDERED IMAGE



Calculation Plain	Minimum Illuminance (fc)	Maximum Illuminance (fc)	Average Illuminance (fc)	Max/Min
Horizontal (A)	2.8	4.9	4.08	1.75
Vertical (B)	0.4	5.6	3.46	14.0

ILLUMINANCE CALCULATION

DESIGN CONSIDERATIONS:

- Lighting follows conservation and museum display principles: archival materials are limited to ≤5 fc, with 3000K, CRI ≥90, Rf ≥90, and Rg 95–105 to preserve accurate color quality.
- Fixtures are aimed 30° from vertical to reduce glare, reflections, and viewer shadow.
- Matte wall finishes and dimming controls support clarity, comfort, preservation, and adaptable exhibition scenes for changing archival displays effectively.

Track-mounted adjustable luminaires highlight vertical posters and photographic displays, creating focal moments similar to cinematic frames. Recessed and integrated lighting provide soft illumination for glass display cases, maintaining conservation-level light exposure. In gathering and event spaces, warmer and brighter lighting scenes support social interaction, while dimmed archive modes protect sensitive objects.

A suspended film-strip feature reinforces the cinematic identity of the project. Integrated linear lighting along its lower edge creates a soft guiding glow while symbolically connecting movement, storytelling, and memory. Scene-based dimming allows the space to shift between archive viewing, private meetings, film screenings, and philanthropic events.

Overall, the lighting approach creates a controlled yet immersive atmosphere, using contrast, beam control, and adaptable lighting scenes to support preservation, storytelling, and visitor experience. The project demonstrates how lighting can become both a technical conservation tool and an emotional medium for remembering cinema.

ENTRANCE DISPLAY

MULTI PURPOSE ROOM WITH ADAPTABLE LIGHTS FOR DIFFERENT USAGE

ARCHIVE DISPLAY AT THE SECOND FLOOR WITH LOW AND ADAPTABLE LIGHTING FEATURES

MEETING ROOM LIGHTING WITH CUSTOM FIXTURE