DIMENSIONAL FUNDS ADVISORS - AUSTIN, TX

Flex-T PoE Lighting Solution

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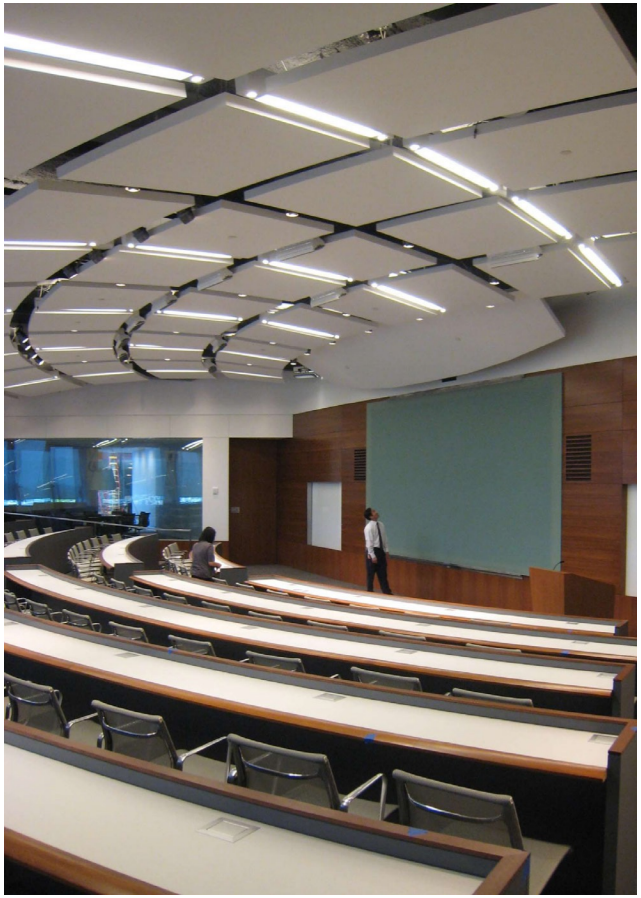
Before



After

DIMENSIONAL FUNDS ADVISORS

LIGHTING UPGRADES

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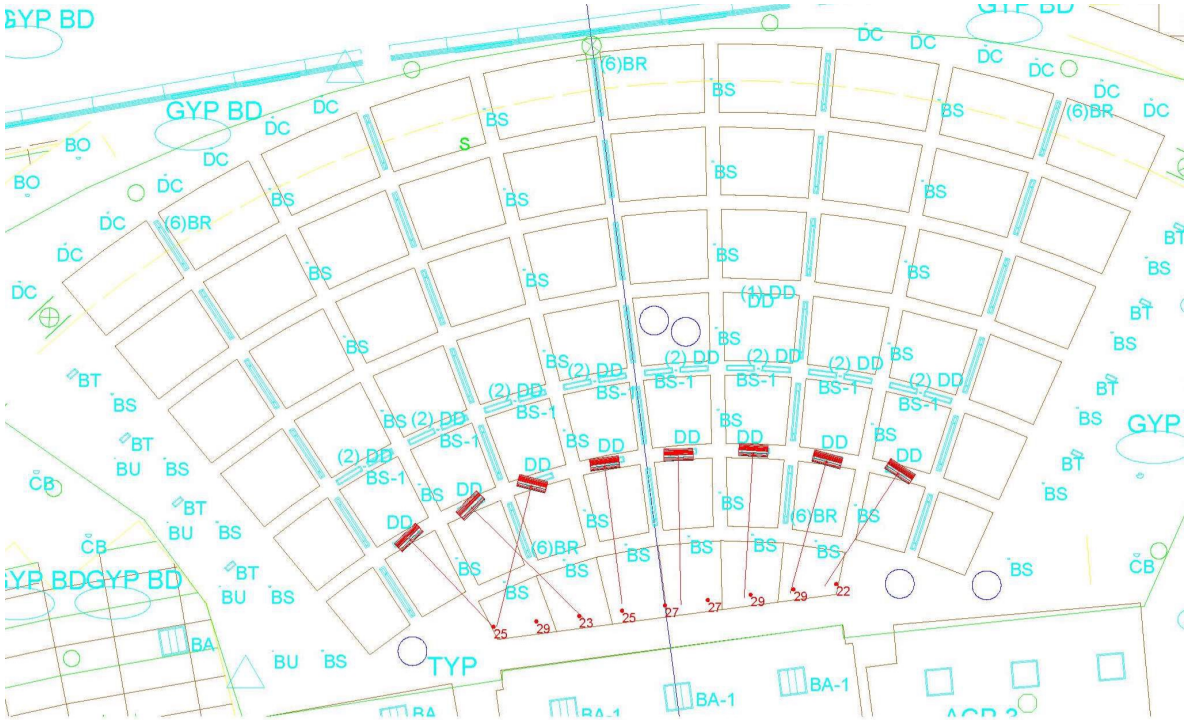
LIGHTING LEVELS – DESIGNED IN AGI 32

- RunningAGI level calculations ensures the ideal light is delivered where, and only where, it's needed.
- The levels are calculated vertically at approximate seated face height and target IESNA standards for video light levels.
- For Dimensional Funds design solution, eight low-profile, high-performance L1.2s evenly illuminate the presentation area.
- The digitally-controlled fixtures are outfitted with 5600K LEDs, medium-field control screens and gel frames.



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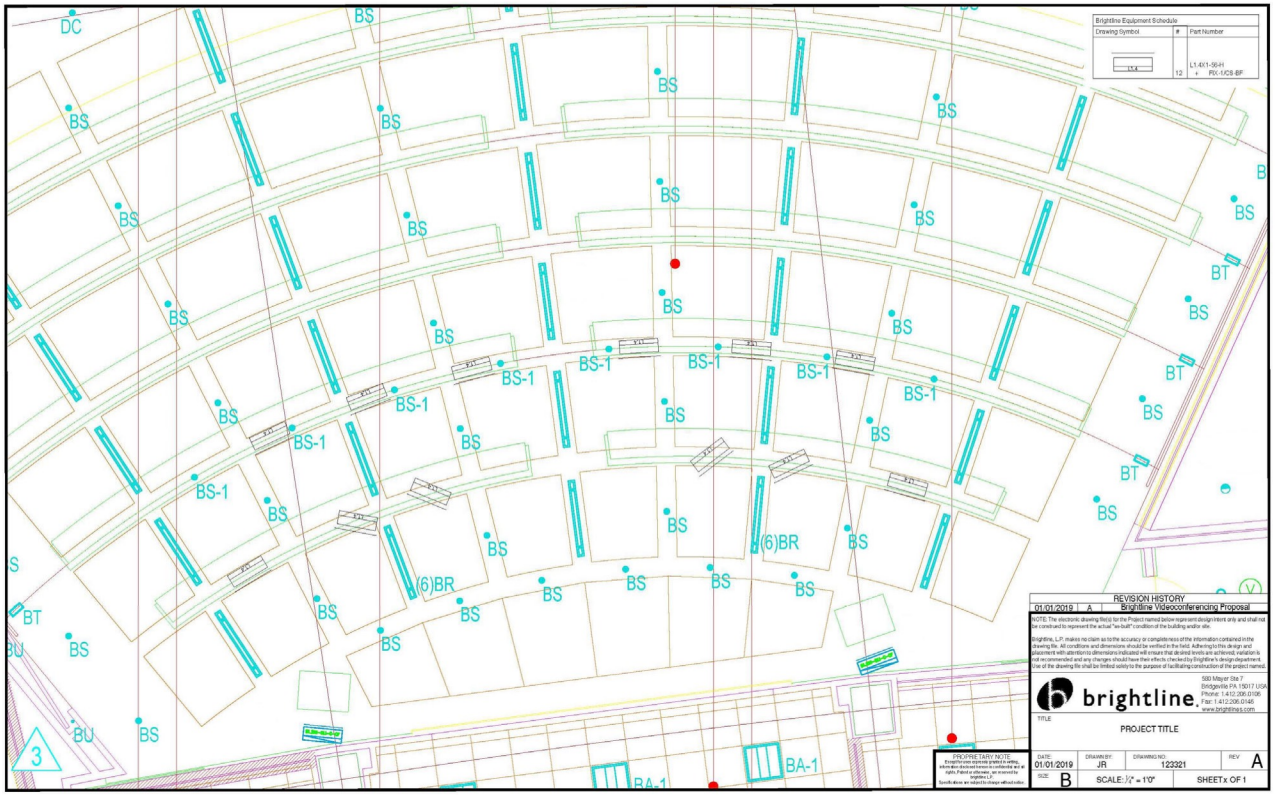
AUTOCAD LIGHTING LAYOUT

- Based on the lighting task and ceiling conditions, the most efficient fixtures are chosen for design process.
- The light legend indicates the types of light fixtures selected in design and their prescribed accessories.
- The aesthetic of the lighting design placement becomes a cool architectural element.
- Brightline's AGI and rendering ability provides a realistic pre- example of installed results.



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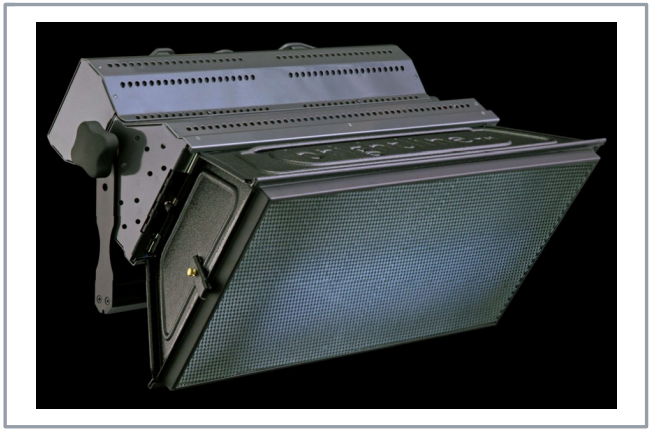

SELECTED LIGHTING FIXTURE

- Original upgrade of the space in 2008 utilized Brightline's fluorescent SeriesONE fixtures, custom finished in white to blend with the ceiling.
- A decade later, an LED upgrade was proposed. The LED SeriesONE fixtures replaced their fluorescent counterparts one to one.
- Fixture accessories, including control screens, allows light to illuminate the presenter while not washing out the display.

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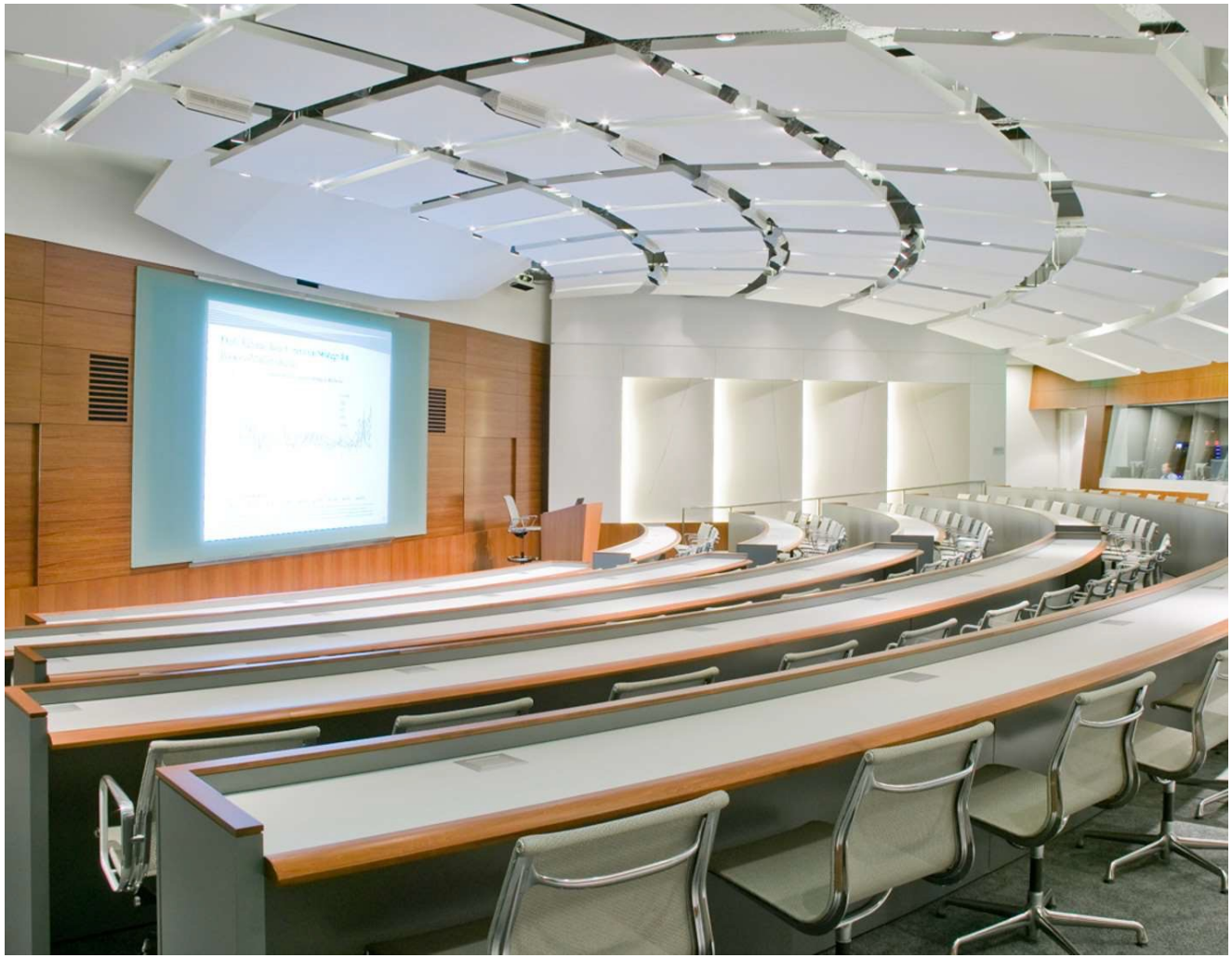
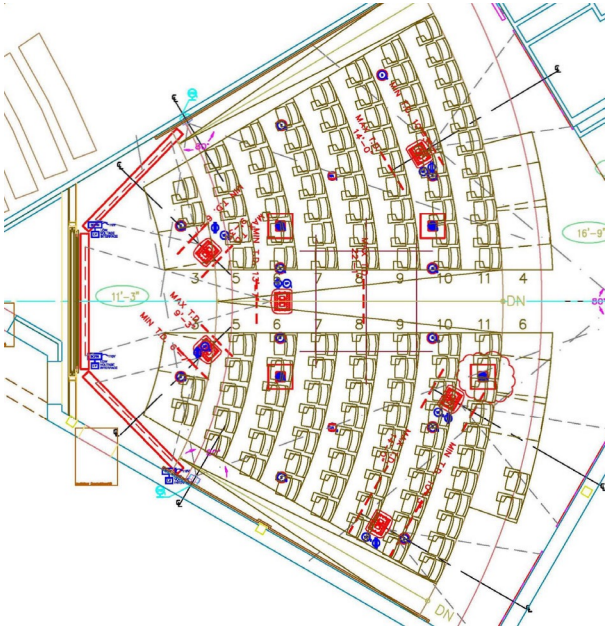


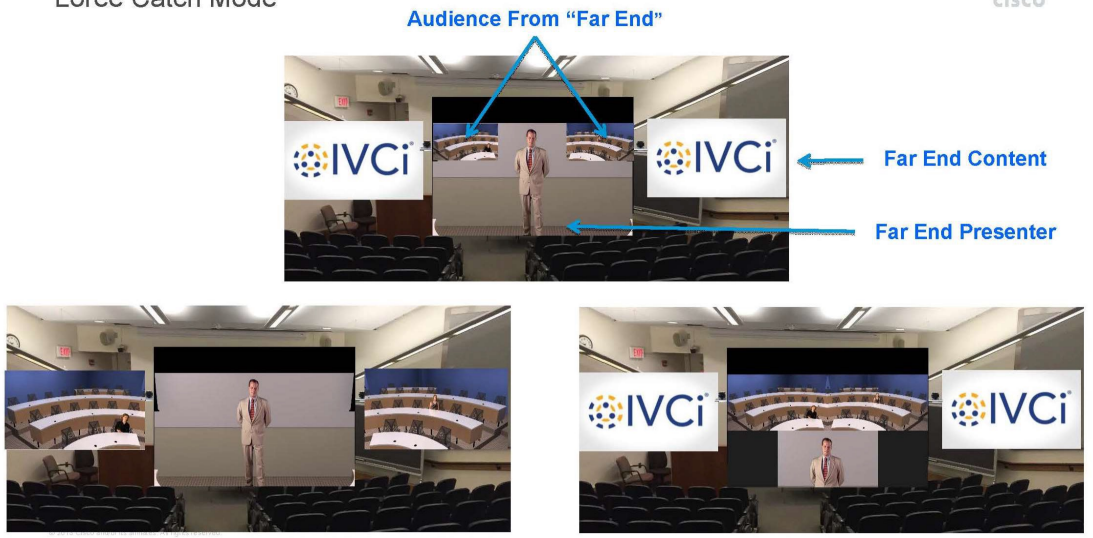
DIMENSIONAL FUND ADVISORS WITH LIGHTING UPGRADES

RUTGERS UNIVERSITY

BL.16 and Micro-T Lighting System



Loree Catch Mode



RUTGERS UNIVERSITY
INITIAL PLANS

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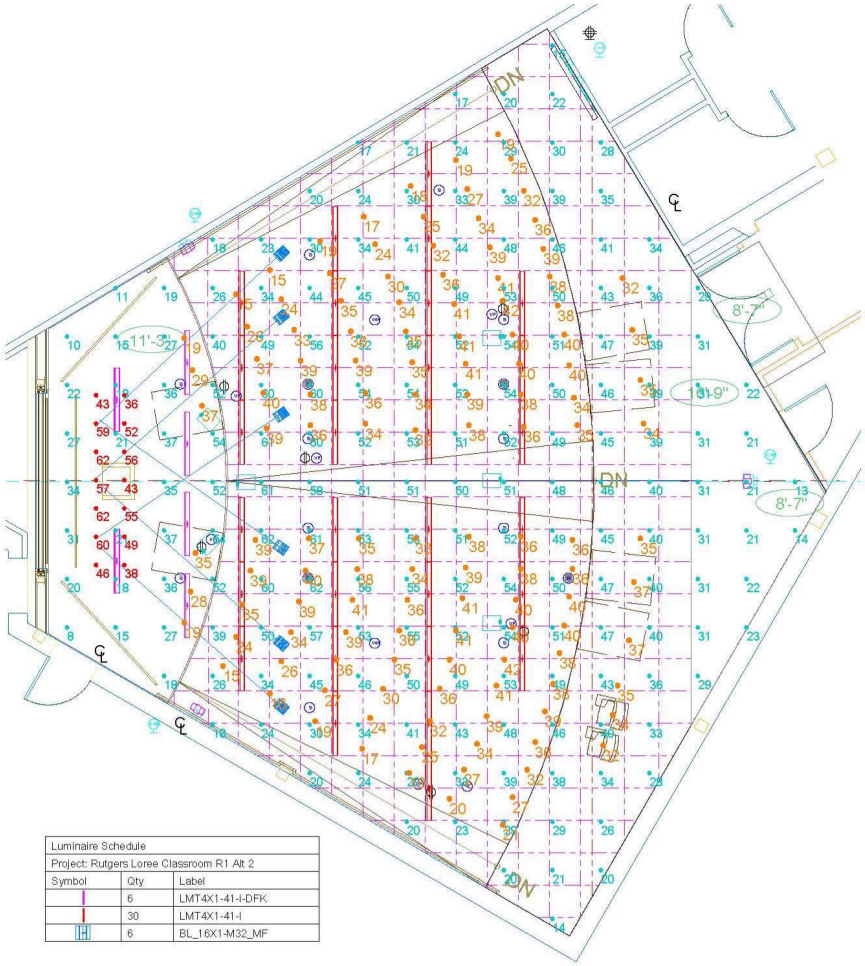
LIGHTING LEVELS – DESIGNED IN AGI 32

- AGI levels are checked to ensure that every seat in the classroom and the presenter's area are video-ready.
- Rutger's Vice Chancellor of Technology set the goal of "moving ideas instead of people" and delivered it through collaboration with IVCi who designed an immersive classroom.
- Key to collaboration is seeing people and content. Proofing levels with AGI calculations guarantees that all people from front to back of rooms are properly lit for video, and that unwanted light is restricted from the monitors that feature critical content.
- Proper video levels and ratios ensure that the results of distance education are uncompromised.



Luminaire Schedule		
Project: Rutgers Loree Classroom R1 Alt 2		
Symbol	Qty	Label
	6	LMT4X1-41-I-DFK
	30	LMT4X1-41-I
	6	BL_16X1-M32_MF

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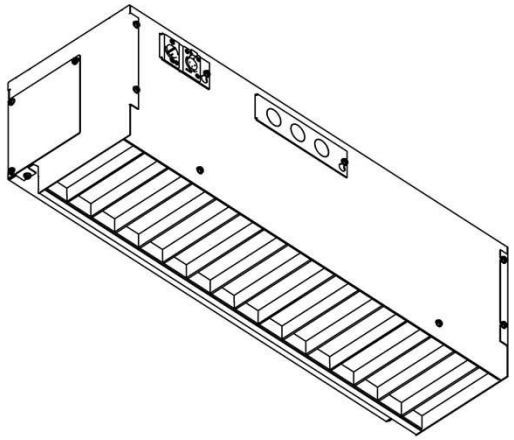
SELECTED LIGHTING FIXTURES

- The LED Micro-T is recessed in rows that follow the curve of the ceiling and provide the students' lighting.
- BL.16s light the instructor lectern area without washing out any content on the instructional monitors throughout the room.
- Brightline excels at directing light specifically where it needs to be and restricting light where it doesn't.



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RUTGERS UNIVERSITY WITH LIGHTING UPGRADES

U.S. SENATE HEARING ROOM

DMX-controlled VideoPlus

U.S. SENATE HEARING ROOM BEFORE UPGRADES

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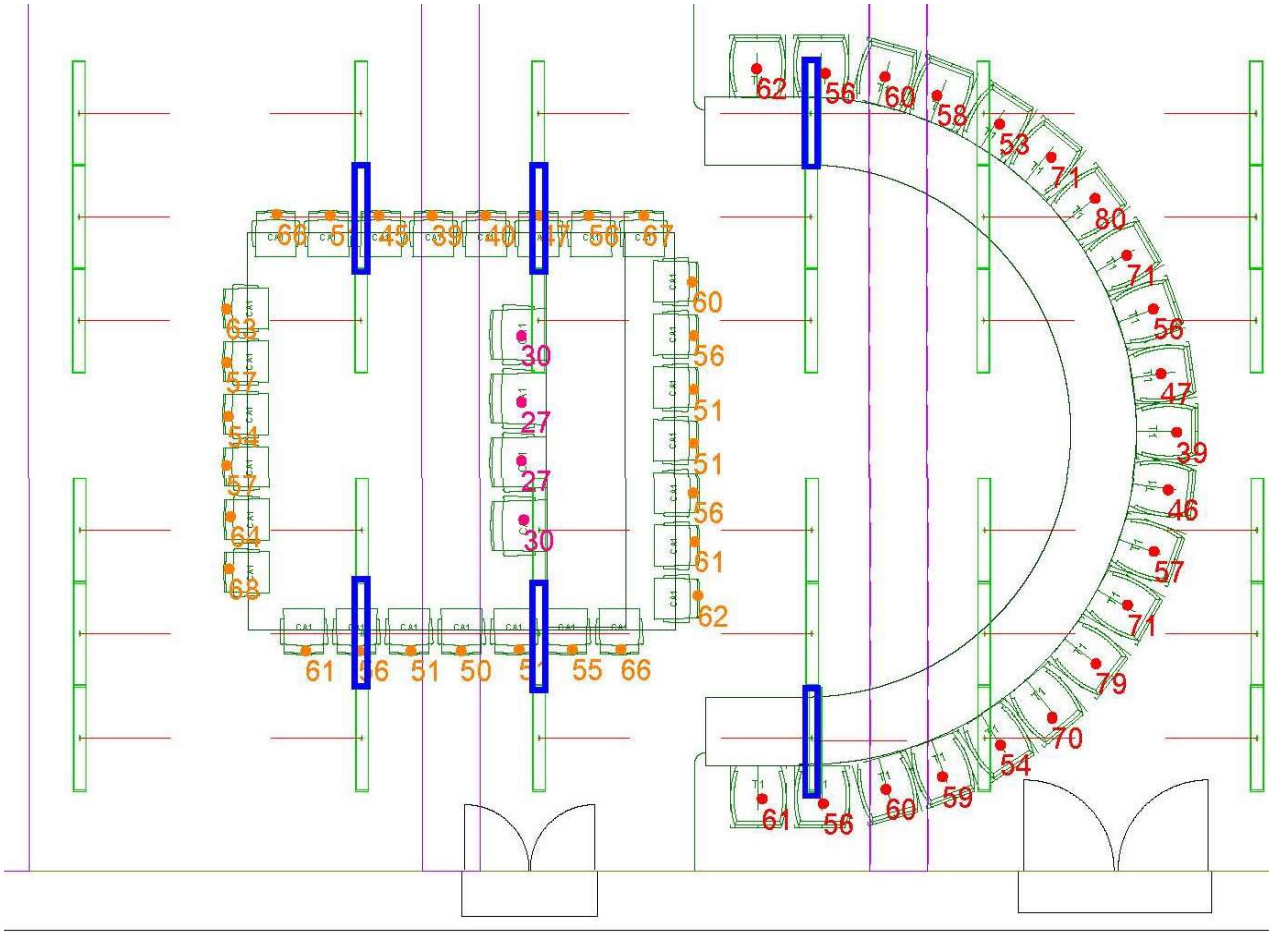
LIGHTING LEVELS – DESIGNED IN AGI 32

- Occupied in 1982, the Hart Senate Building is the 3rd building built to serve the US Senate.
- Central to the building is the Senate Hearing Room, with a function of importance that belies the building's intentionally nondescript exterior.
- Designed to allow light to enter while maintaining maximum privacy, the Hearing Room is equipped for electronic and written press.



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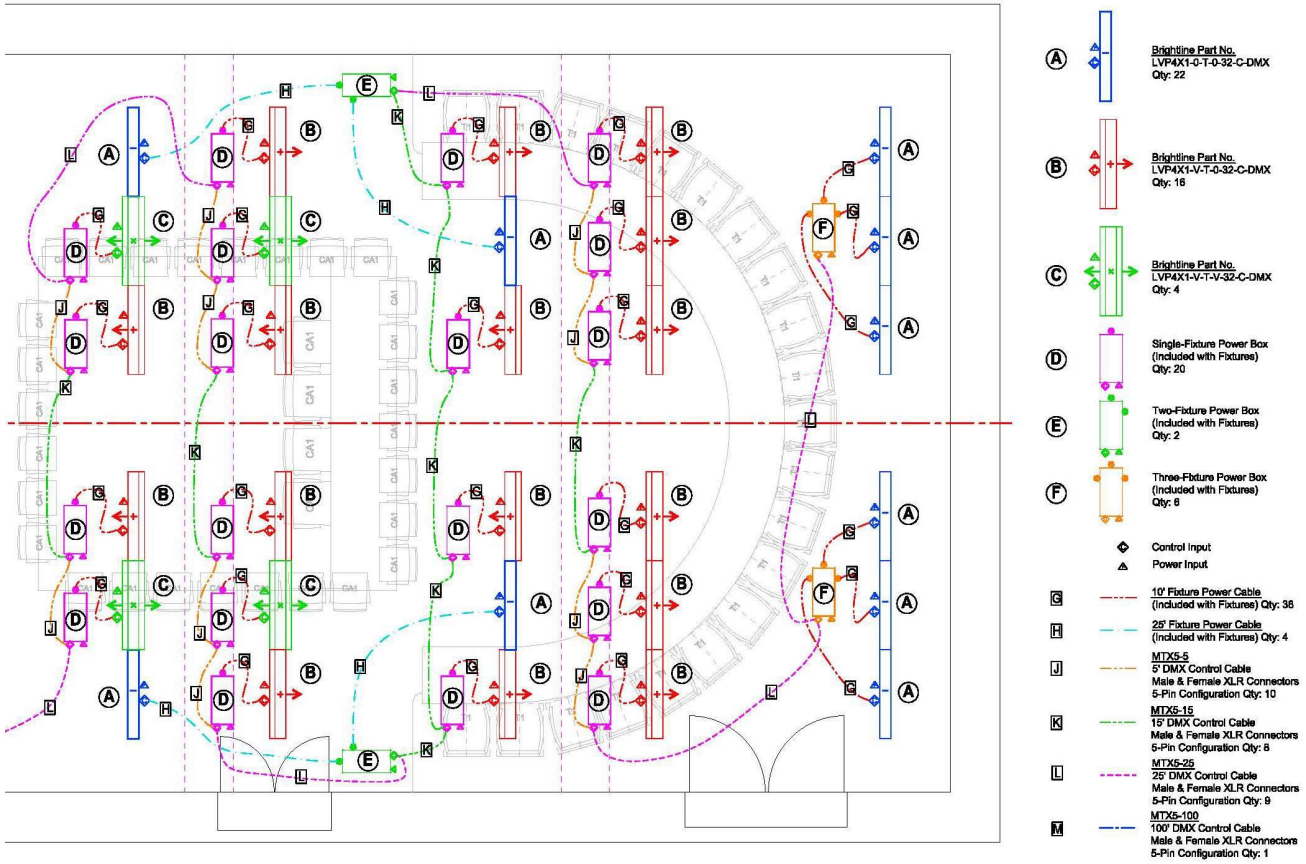
AUTOCAD LIGHTING LAYOUT

- Brightline layouts provide installation support indicating ideal lighting placement and electrical wiring and control connections.
- Control and power cables are indicated at proper lengths to power boxes in lighting and control legend.
- Additional support can be provided through voice or video conference or through negotiated onsite services.



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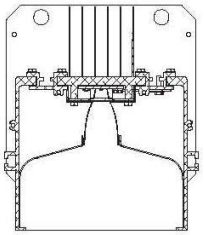
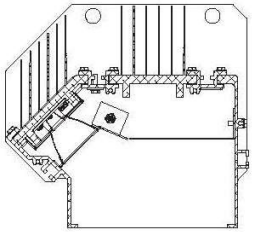
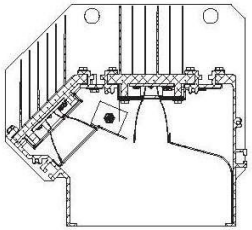
SELECTED LIGHTING FIXTURES



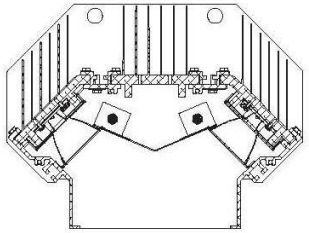
Task Only



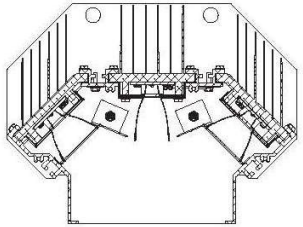
Video Only



Video + Task



Double Video



Double Video + Task

- The VideoPlus is unique in that it provides Video + Task light from the same fixture designed to fit within a 6-inch track.
- The VideoPlus can be configured in continuous runs.
- Configuration options are for task only, video only, video + task, double video, and double video + task.

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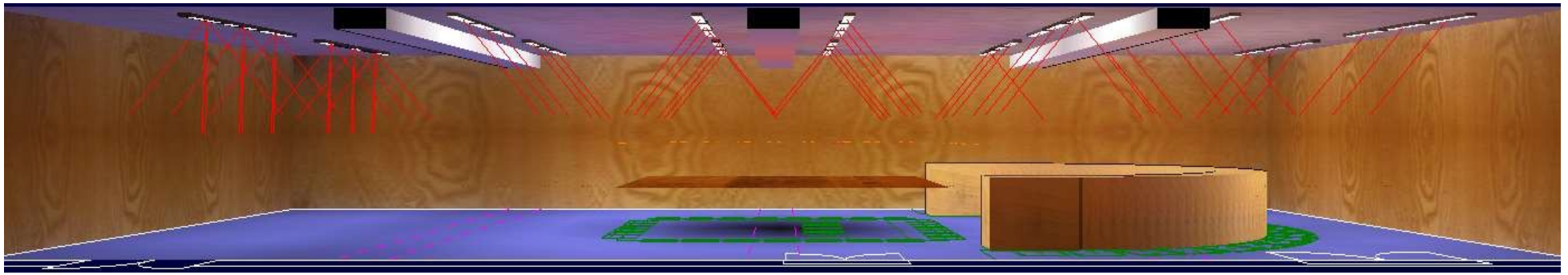
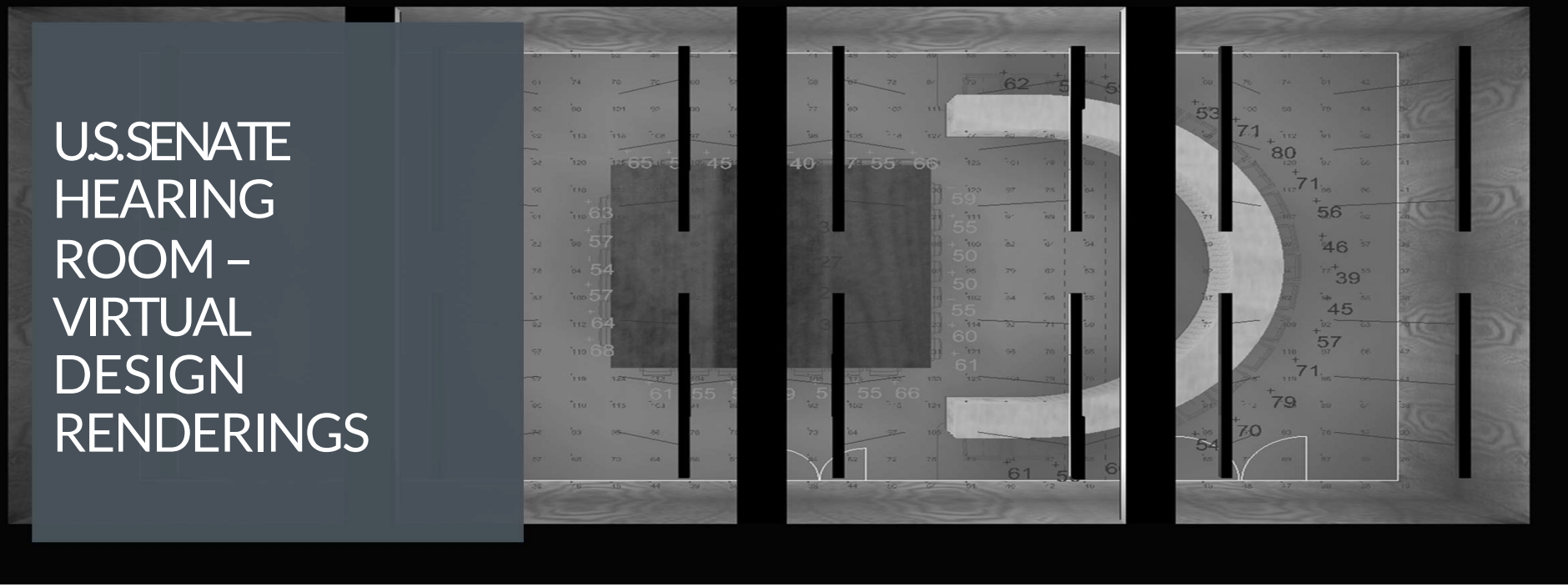


U.S. SENATE HEARING ROOM – VIRTUAL DESIGN RENDERINGS



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CAROUSEL INDUSTRIES EXETER, RI

PoE Flex-T Lighting System with Crestron Integration

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EXECUTIVE SHOWCASE CONFERENCE ROOM LIGHTING UPGRADES

Before

After

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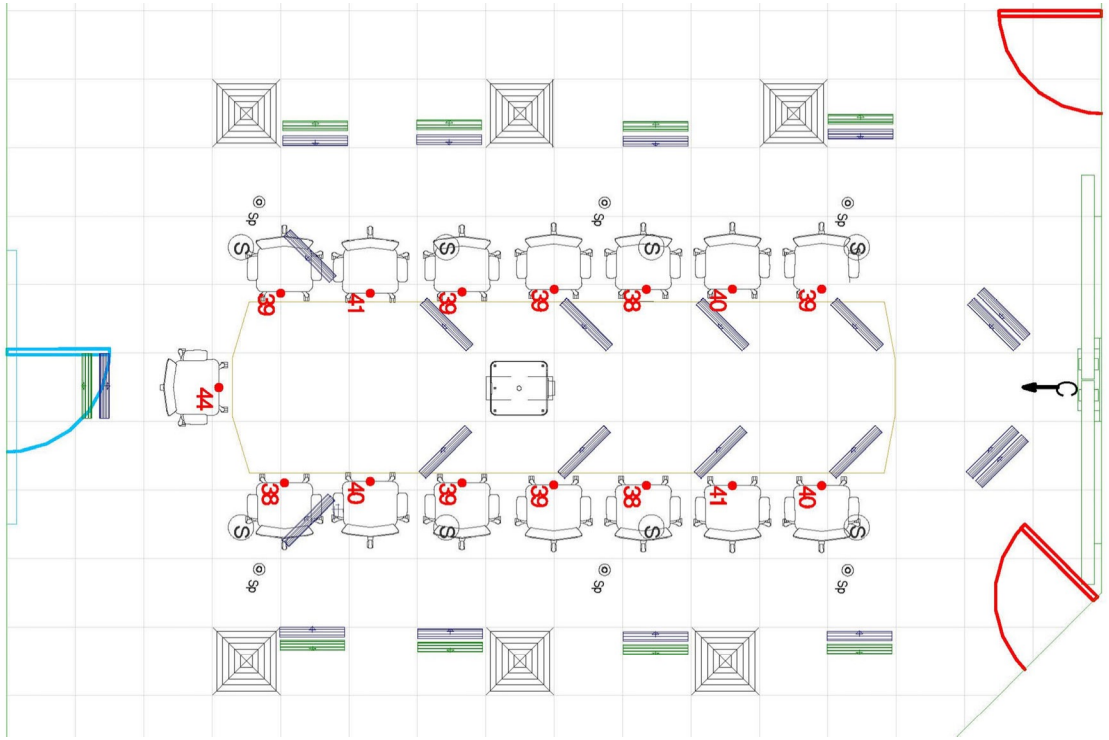
LIGHTING LEVELS –
DESIGNED IN AGI 32

- Red numbers indicate vertical footcandles at face height, as participants look at the camera.
- Light levels meet IESNA & InfoComm standards, reaching between 25-50FC.
- Green fixtures are for wall wash, providing a 2:1 ratio between participants and back wall.
- Directional fixtures and optics control light so displays are not washed out.



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ROOM RENDERING – DESIGNED IN AGI 32

- Rendering used to show visual proof of concept.
- Shows how fixtures illuminate. m the presenter while not washing out displays.

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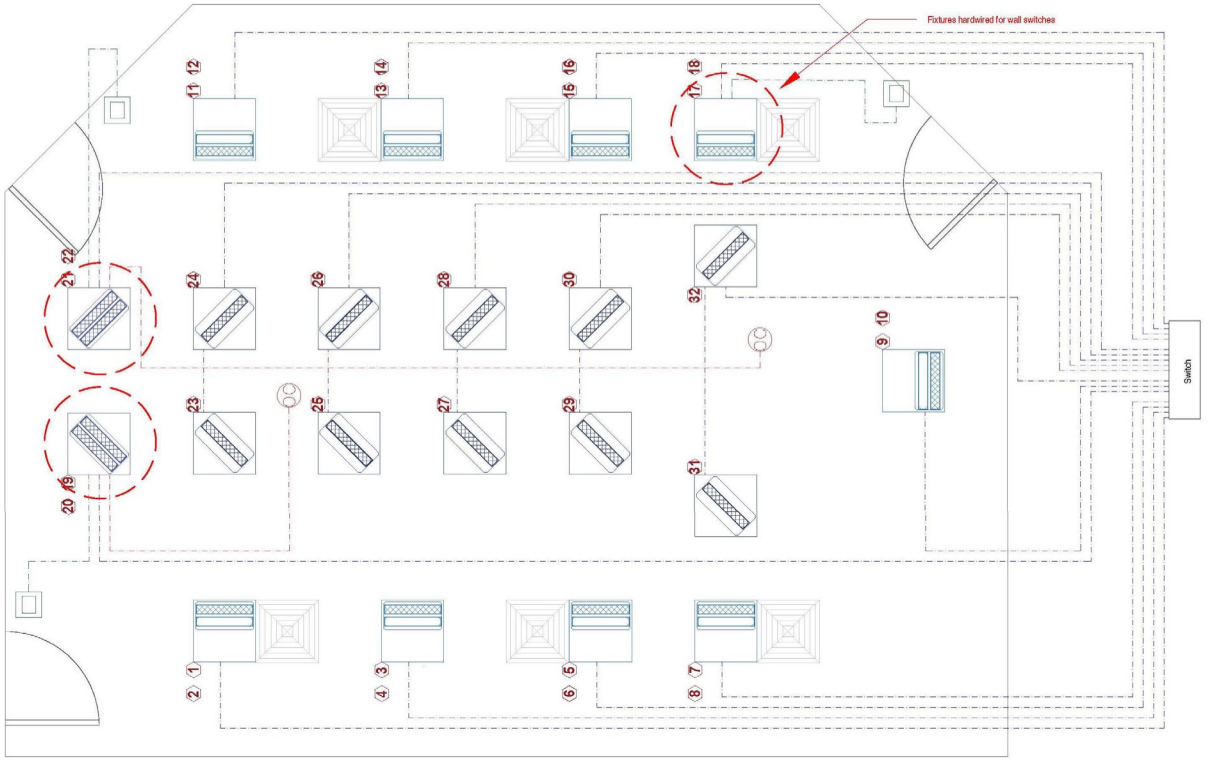
AUTOCAD LIGHTING LAYOUT

- Symmetrical fixture layout increases aesthetics in the room.
- Combination of single and double module fixtures to optimize lighting performance.
- Layout designed to accommodate existing ceiling obstructions: HVAC, task fixtures, speakers and microphones.
- Drawing provides cable runs and channel information for easyfixture set-up.



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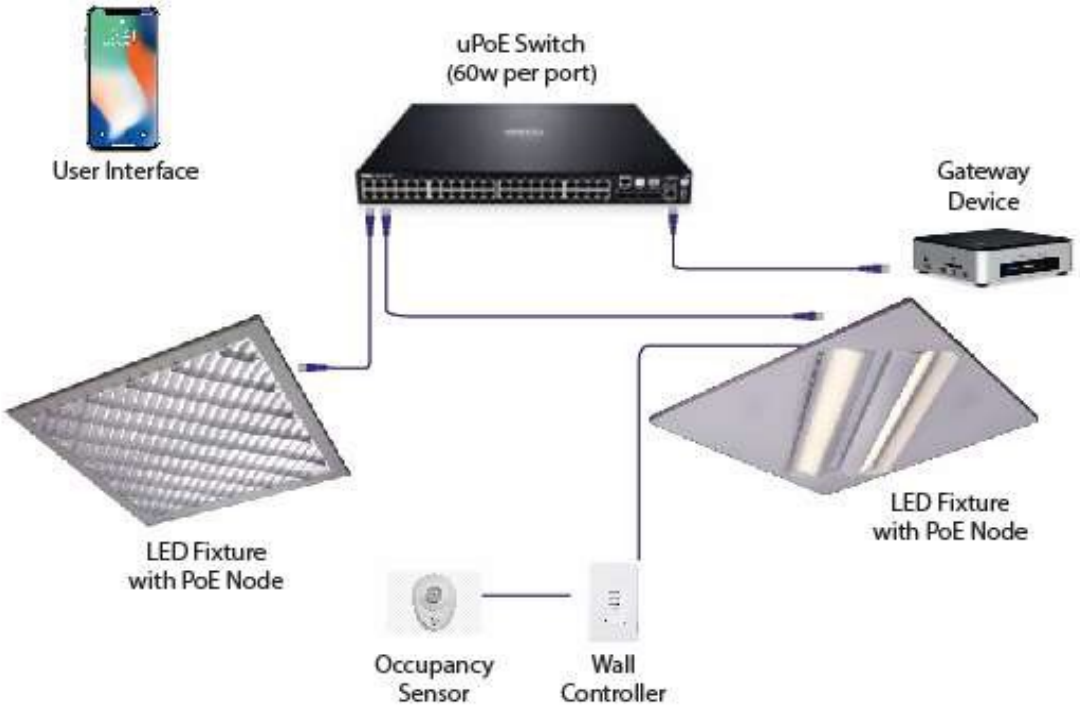
SELECTED LIGHTING FIXTURES & POE CONTROL



- Fixtures, wall controller and occupancy sensors communicate via Igor Technology's PoE Gateway Device.
- Integrated with Crestron control to provide full lighting, audio and video control from touch screens.
- Power and data sent via 4PPoe cable.

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EXECUTIVE SHOWCASE CONFERENCE ROOM WITH LIGHTING UPGRADES

UBER ATG
PITTSBURGH, PA

VideoPlus Lighting Solution

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UBER ATG CONFERENCE ROOM LIGHTING UPGRADES

Before

After

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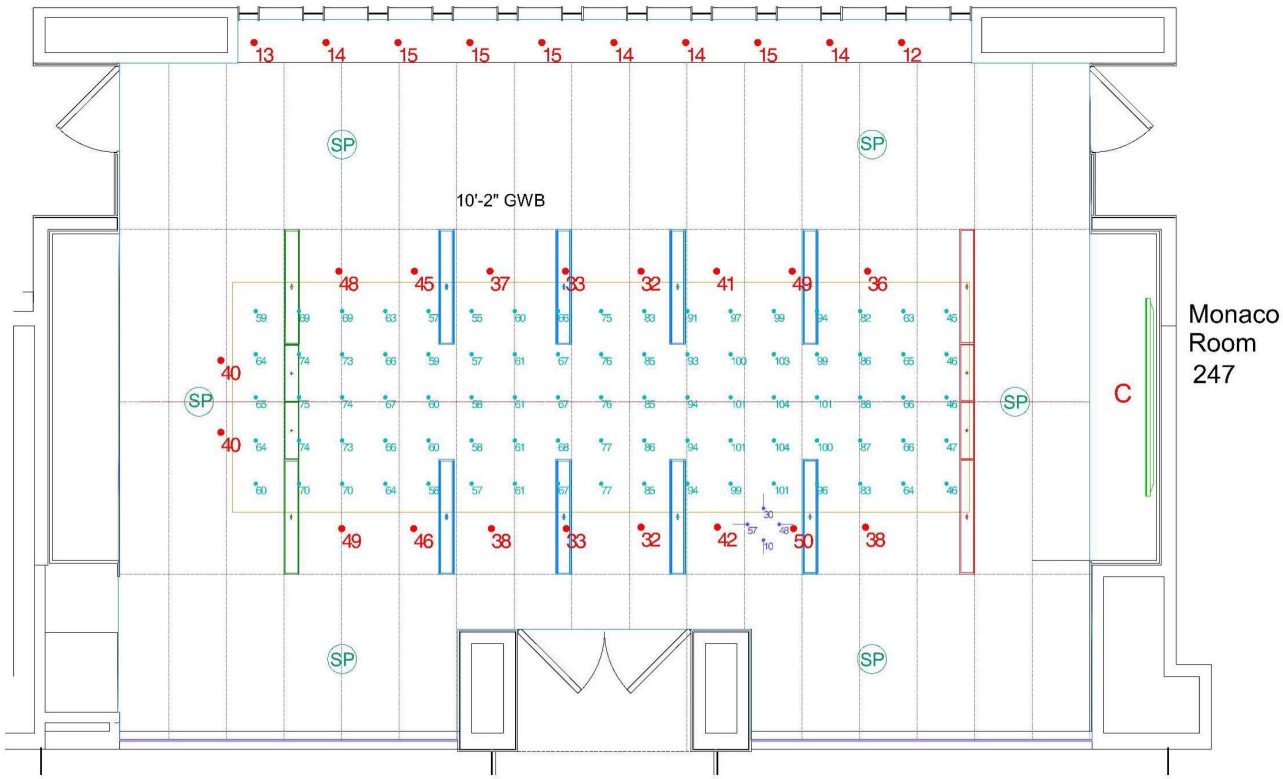
LIGHTING LEVELS – DESIGNED IN AGI 32

- Red numbers indicate vertical footcandles at face height, as participants look at the camera.
- Evenly distributed foot-candles at vertical face height match ideal IESNA target levels.
- The VideoPlus provided an elegant solution that enabled beautifully even levels throughout the room.



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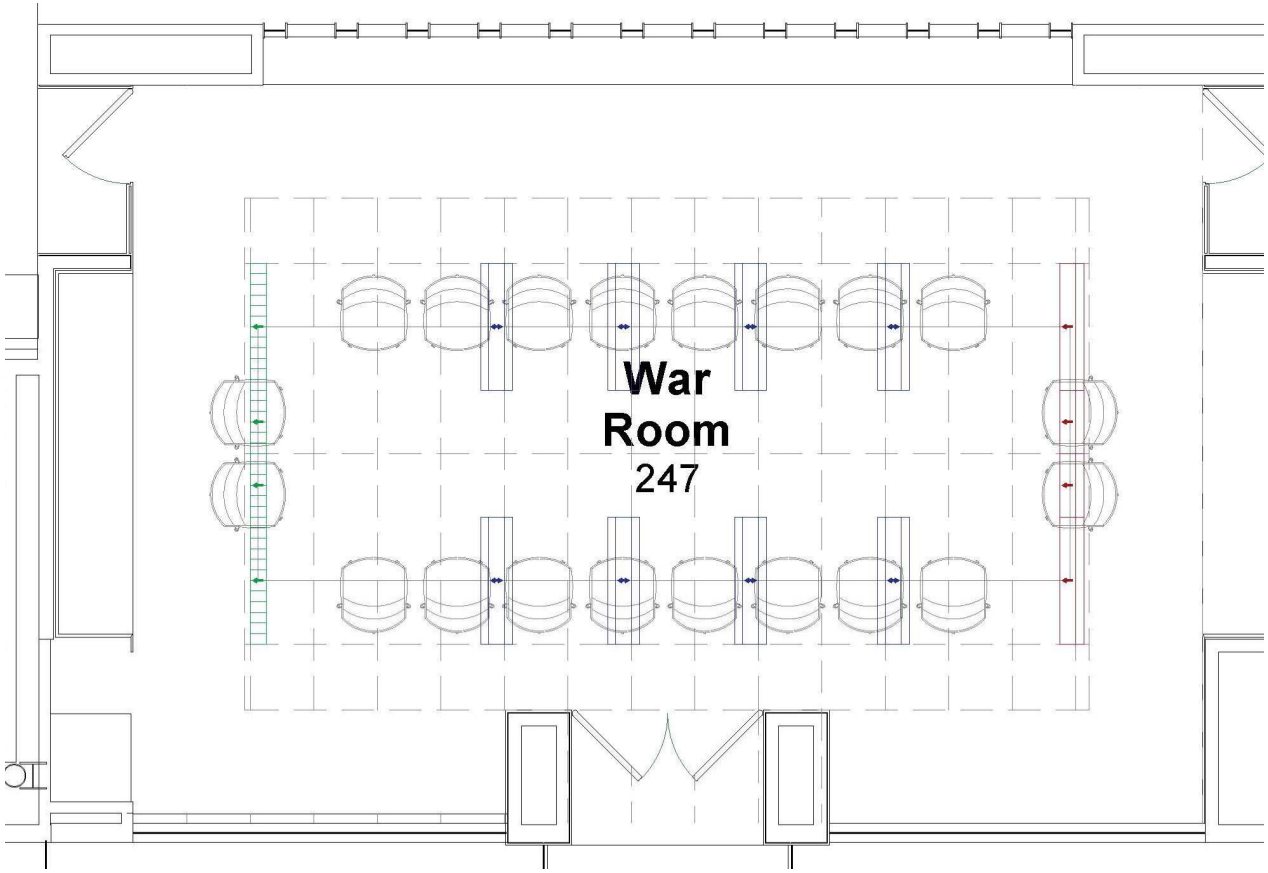
ROOM RENDERING – DESIGNED IN AGI 32

- Rendering used to show visual proof of concept.
- Shows how different fixture layouts will fit aesthetically in the space.

AUTOCAD LIGHTING LAYOUT

- Based on the lighting task and ceiling conditions, the most efficient fixtures are chosen for design process.
- The aesthetic of the lighting design placement becomes a cool architectural element.
- Brightline's AGI and rendering ability provides a realistic pre-example of installed results.



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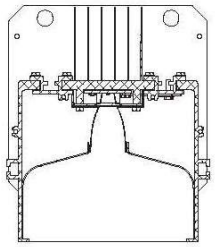
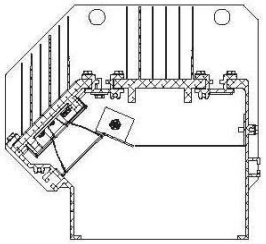
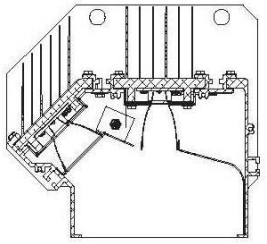
SELECTED LIGHTING FIXTURES



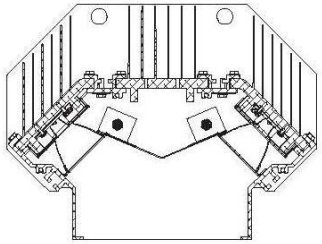
Task Only



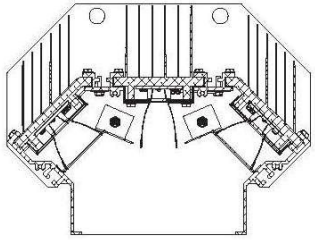
Video Only



Video + Task



Double Video



Double Video + Task

- The VideoPlus is unique in that it can provide task and crossing video light from the same fixture designed to fit in a 6-inch track.
- The VideoPlus can be configured in continuous runs.
- Configuration options are for task light only, video light only, video + task, double video channels, and double video + task.

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UBERATG CONFERENCE ROOM WITH LIGHTING UPGRADES

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CITY OF MARICOPA, AZ

Flex-T PoE Lighting Solution

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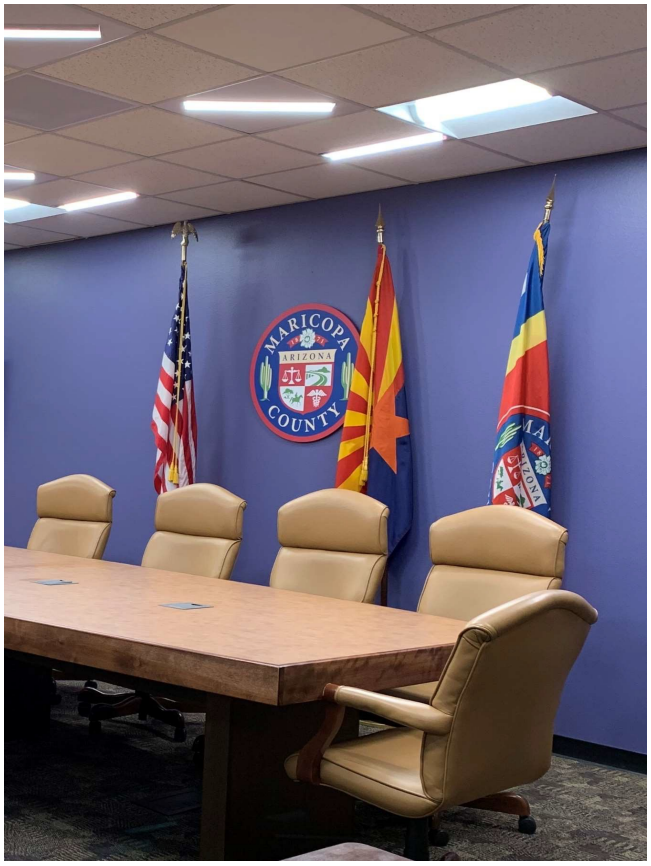
Before



After

CITY OF MARICOPA

LIGHTING UPGRADES

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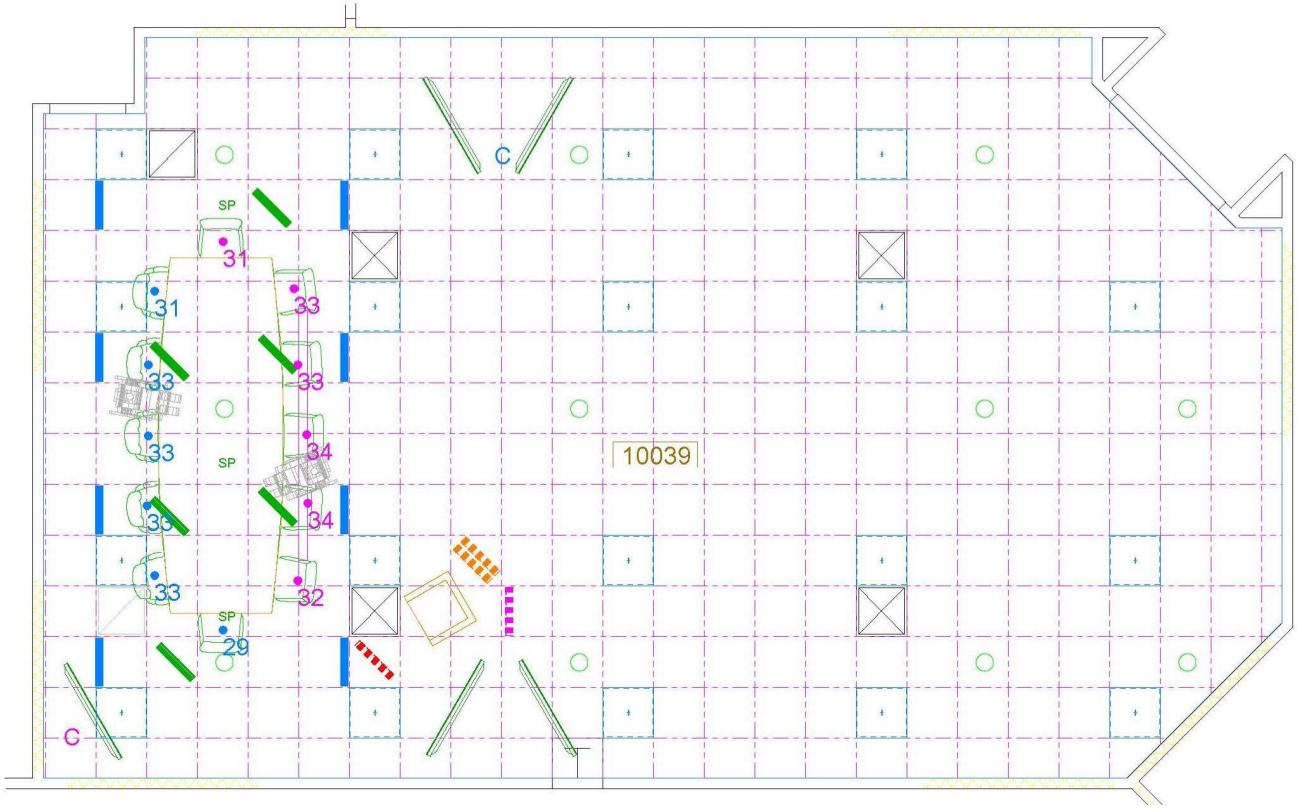
LIGHTING LEVELS – DESIGNED IN AGI 32

- With a once in 25-years budget, the facilities team at Maricopa County contracted Spinitar to design and integrate a state-of-the-art video conference facility for their public access council meetings.
- Both the Maricopa and Spinitar team appreciated the benefits of a total PoE-controlled lighting scheme.
- Evenly distributed foot-candles at vertical face height match ideal IESNA target levels.
- Brightline replaced the surface-mounted fluorescent lights that blocked line of sight with ceiling-recessed LED Flex-Ts.
- The new PoE LED lighting was carried throughout the room into task lights, providing a cohesive look and the convenience and safety of low voltage control.



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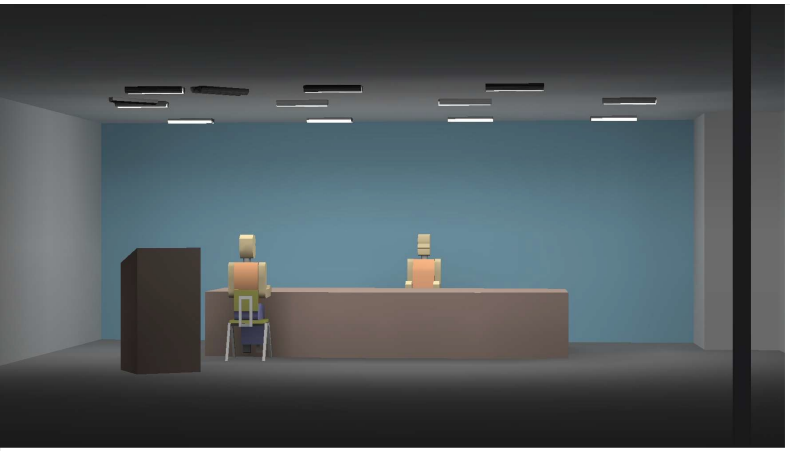
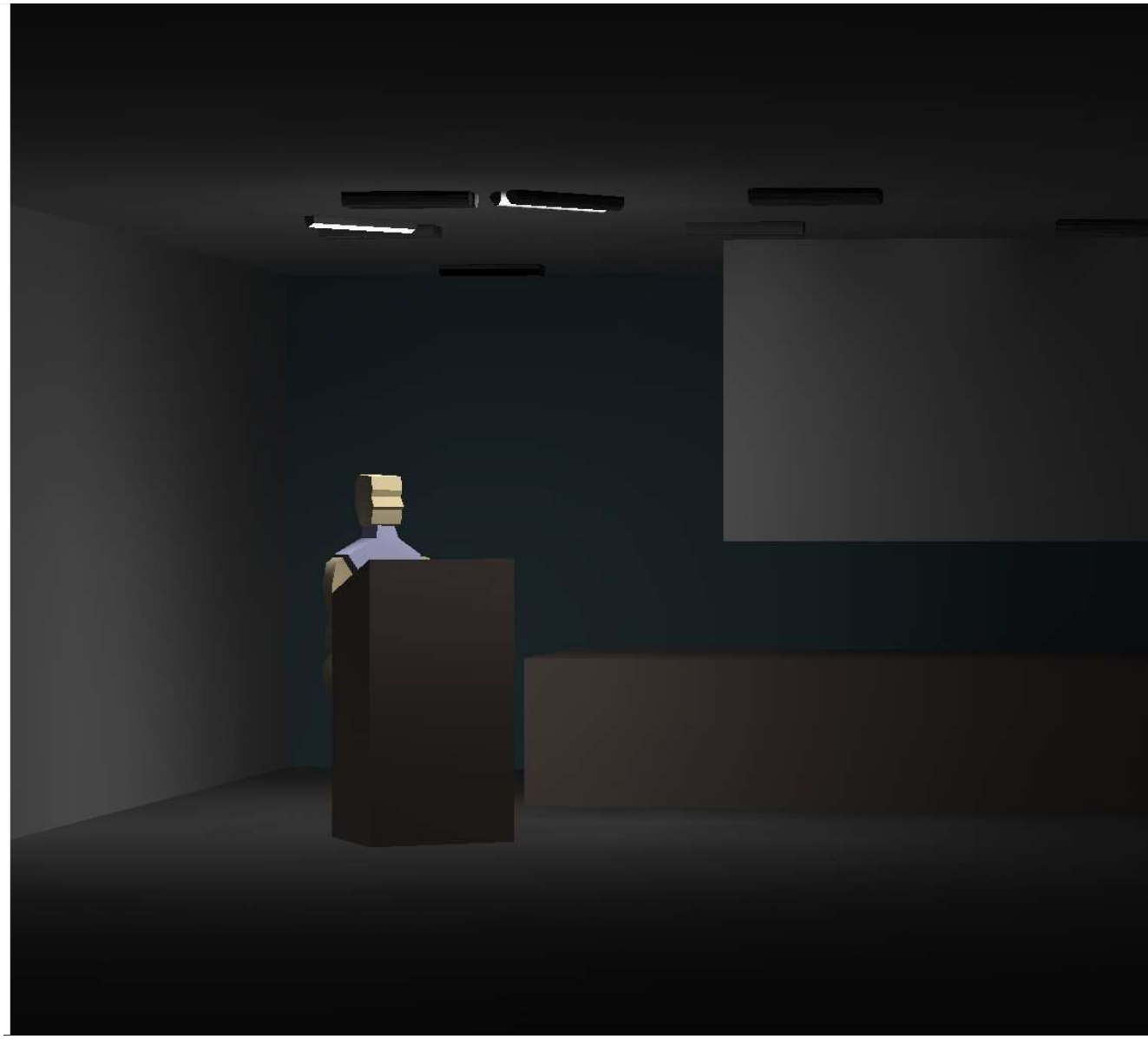
Evolutionary Lighting Systems

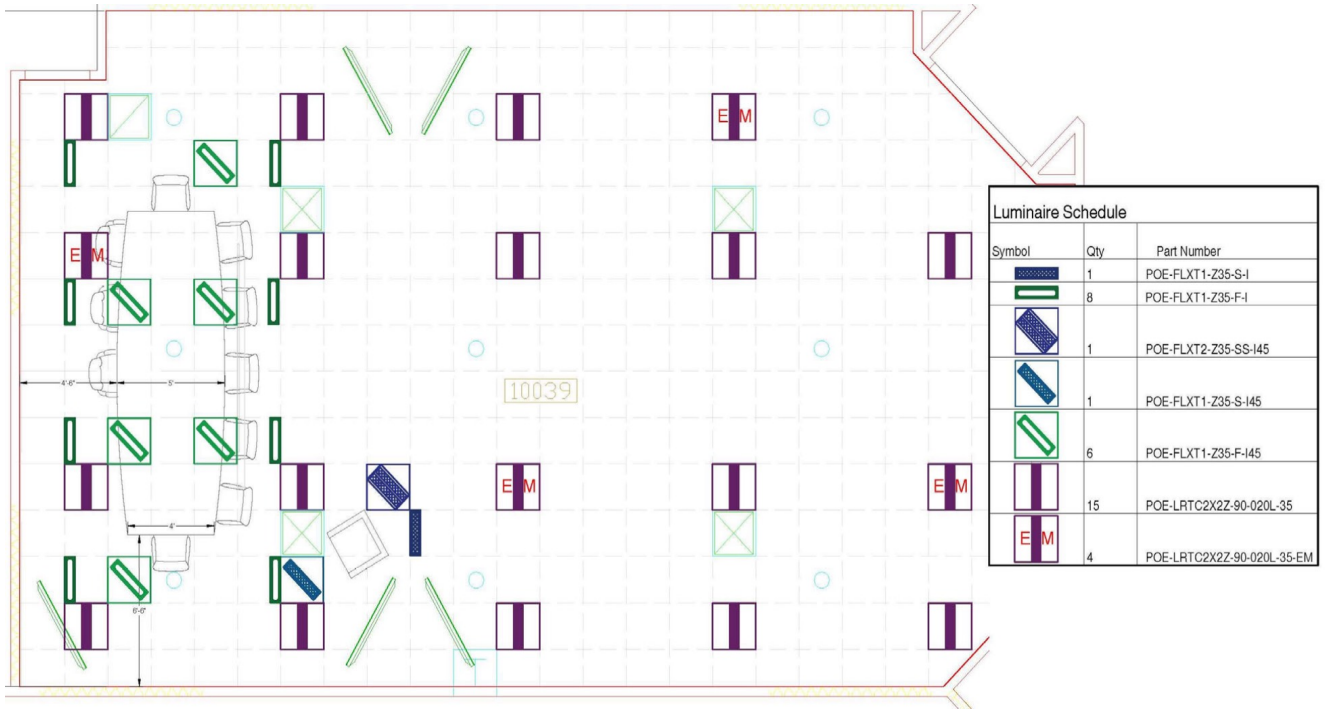


ROOM RENDERING – DESIGNED IN AGI 32

- Rendering used to show visual proof of concept.
- Shows how fixtures are able to illuminate the presenter while not washing out displays.



- Based on the lighting task and ceiling conditions, the most efficient fixtures are chosen for design process.
- The light legend indicates the types of light fixtures selected in design and their prescribed accessories.
- The aesthetic of the lighting design placement becomes a cool architectural element.
- Brightline's AGI and rendering ability provides a realistic pre-example of installed results.



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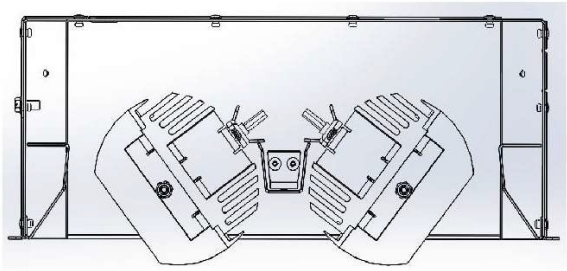
Evolutionary Lighting Systems



SELECTED LIGHTING FIXTURES

- The Flex-T can be configured in various panels with single or double modules and run near-continuously as individual modules.
- Panels are available in 45-degree, center-mount and off-set mount configuration to create full 2-ft by 2-ft or 595-mm by 595-mm tiles.
- The Flex-T is the most flexible lighting fixture system available for mounting in a T-bar ceiling and beyond.

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CITY OF MARICOPA
WITH LIGHTING UPGRADES

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CITY OF FARGO, ND

BL.16 Lighting System

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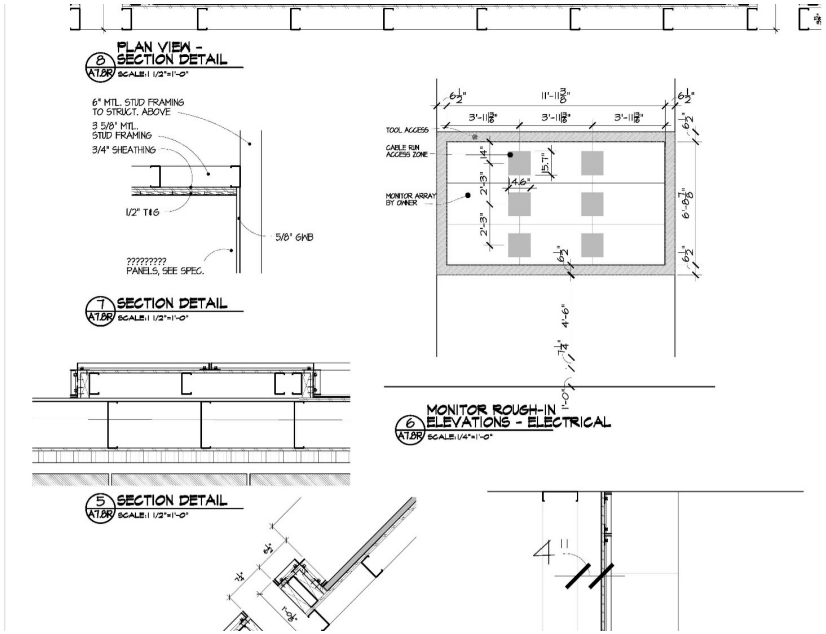
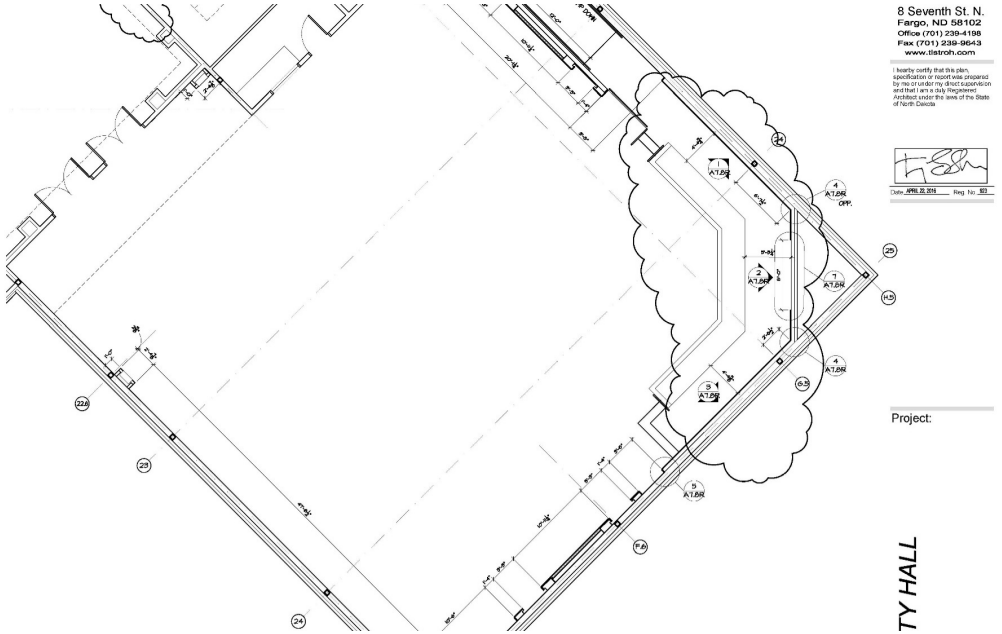
Evolutionary Lighting Systems





CITY OF FARGO
INITIAL DRAWING SET

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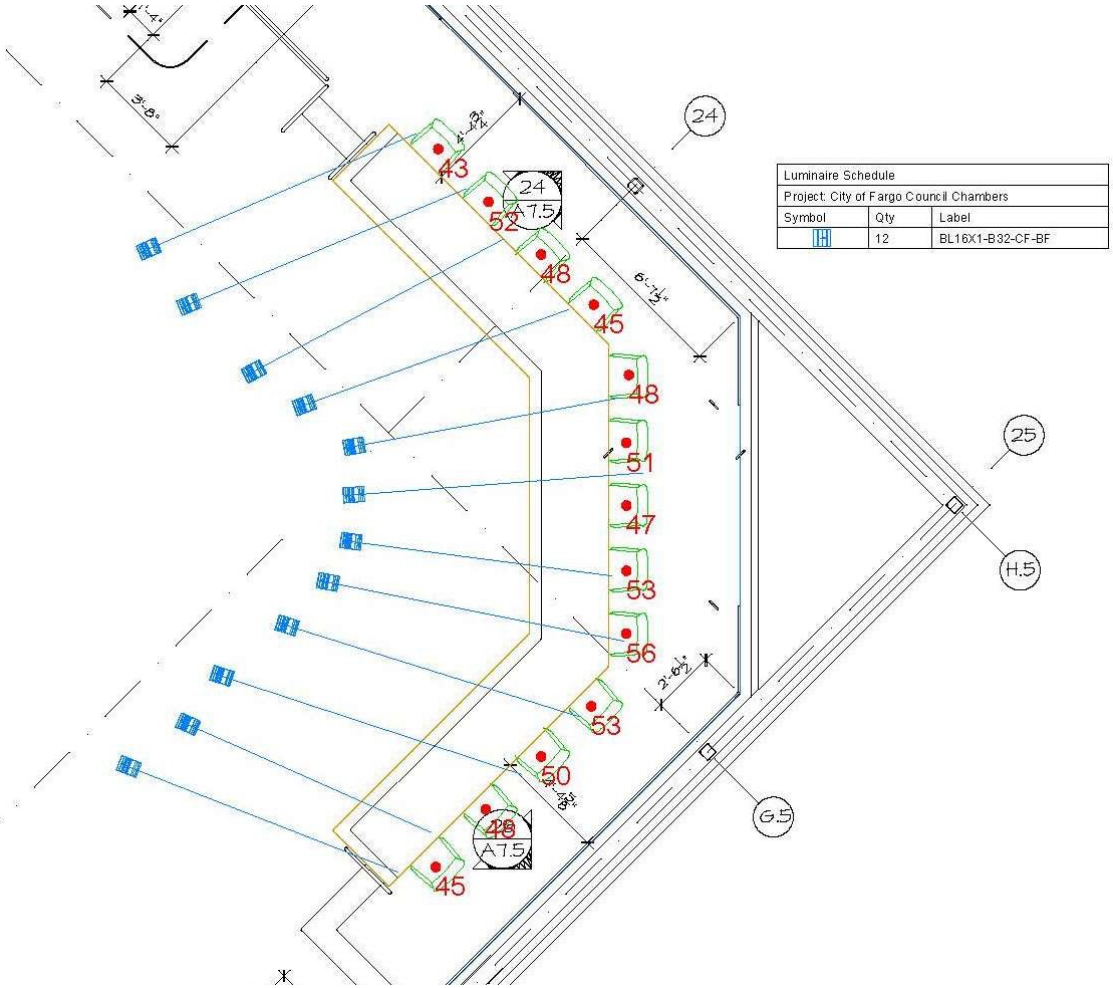
Evolutionary Lighting Systems

LIGHTING LEVELS – DESIGNED IN AGI 32

- RunningAGI level calculations ensures the ideal light is delivered where, and only where, it's needed.
- The levels are calculated vertically at approximate seated face height and target IESNA standards for video light levels.
- For City of Fargo's design solution, twelve low-profile, high-performance BL16s evenly illuminate the thirteen dais seat positions.
- The digitally-controlled fixtures are outfitted with 3200 degree LEDs and broad field zone control screens.
- With the efforts of AVI Systems and JTH Lighting Alliance, the successful project installed in January 2019.



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Evolutionary Lighting Systems

ROOM RENDERING – DESIGNED IN AGI 32

- Rendering used to show visual proof of concept.
- Shows how fixtures illuminate the presenter while not washing out displays.

brightline
Evolutionary Lighting Systems

SELECTED LIGHTING FIXTURES

- The versatile BL.16 is available with interchangeable narrow, medium, broad, or super-wide optics in 3200 or 5600 degrees Kelvin.
- The rare LED fixture with a phase-control option, the BL.16 also comes with low voltage and (60W) PoE control.

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CITY OF FARGO
COUNCIL CHAMBERWITH LIGHTING UPGRADES

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VideoPlus Linear Installation in Custom Ceiling

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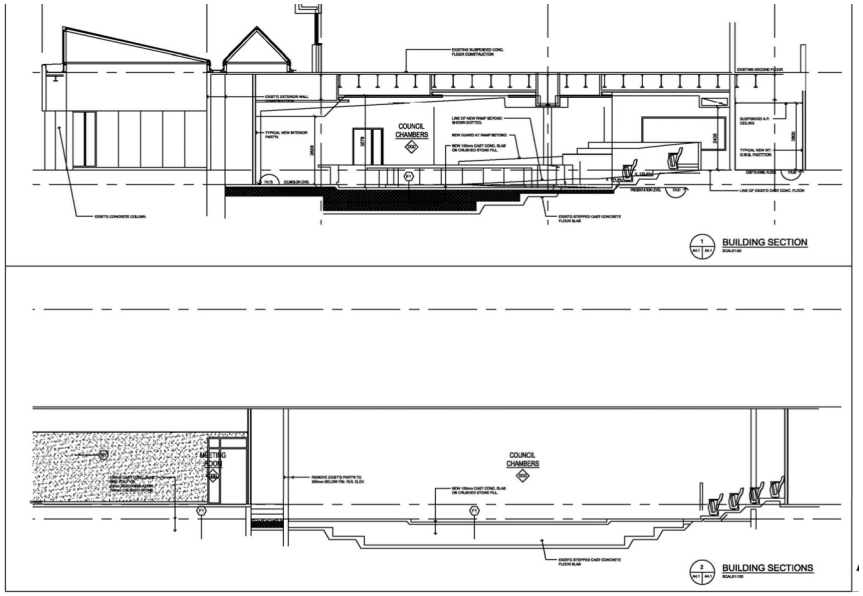

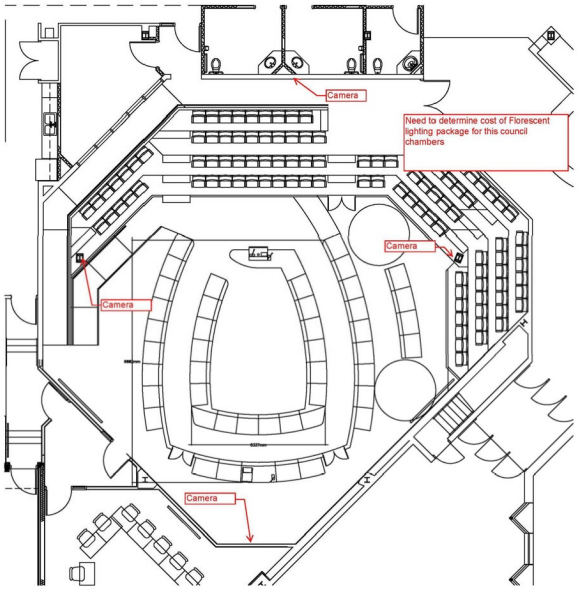

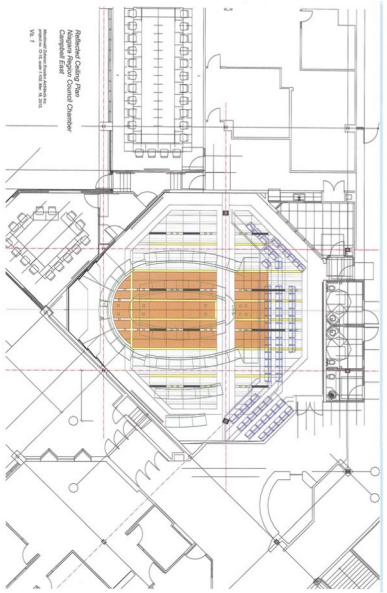

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INITIAL DRAWINGS

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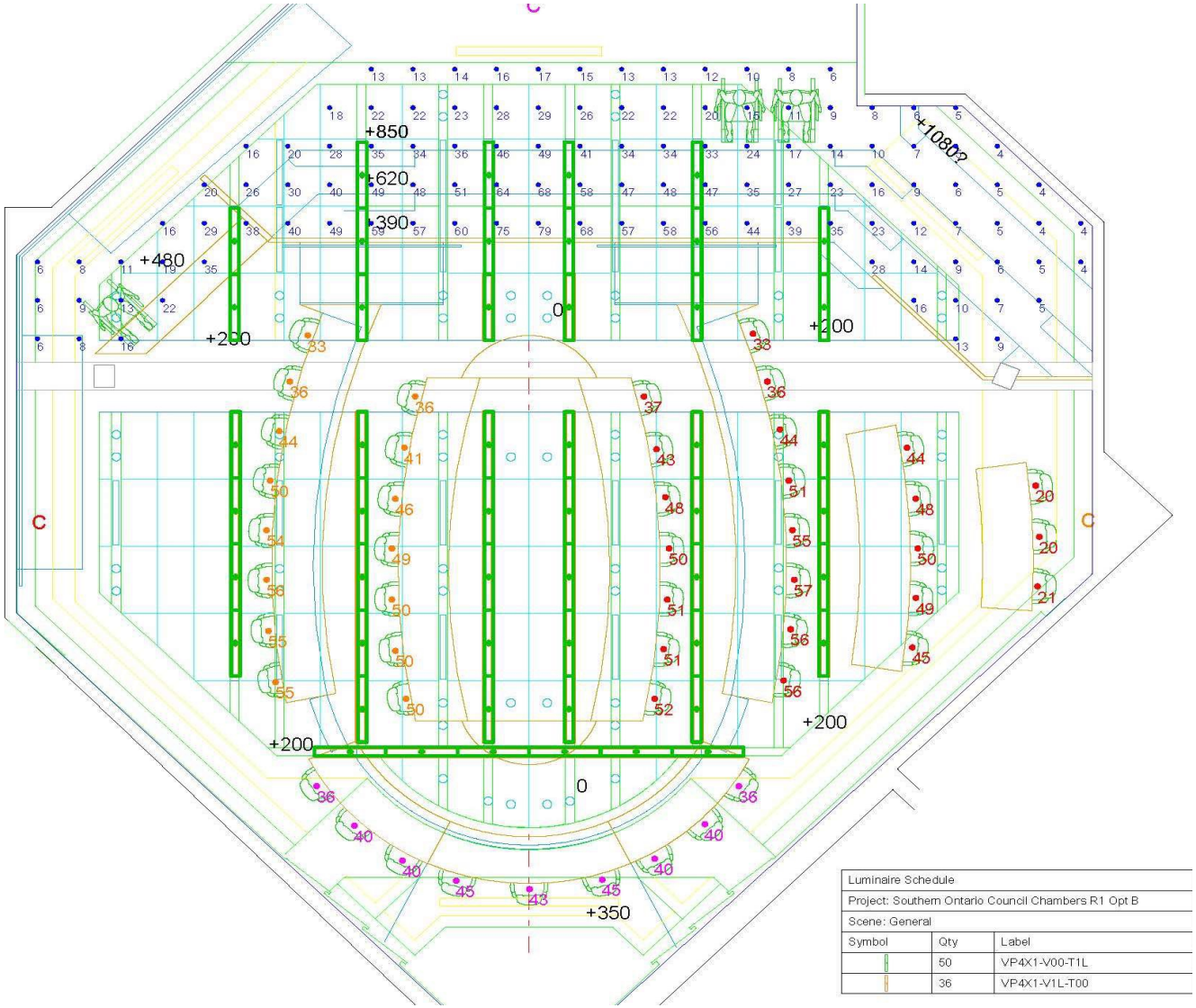
LIGHTING LEVELS – DESIGNED IN AGI 32

- The challenge at NRCC was to evenly light the dais and audience with unobtrusive linear fixtures.
- The VideoPlus provided an elegant solution that enabled beautifully even levels throughout the chambers.
- Every single chair has perfect vertical foot-candle levels for video optimization.
- The integrity of the room monitors and their critical content is well-maintained within this visually-comfortable environment.



Luminaire Schedule		
Project: Southern Ontario Council Chambers R1 Opt B		
Scene: General		
Symbol	Qty	Label
	50	VP4X1-V00-T1L
	36	VP4X1-V1L-T00

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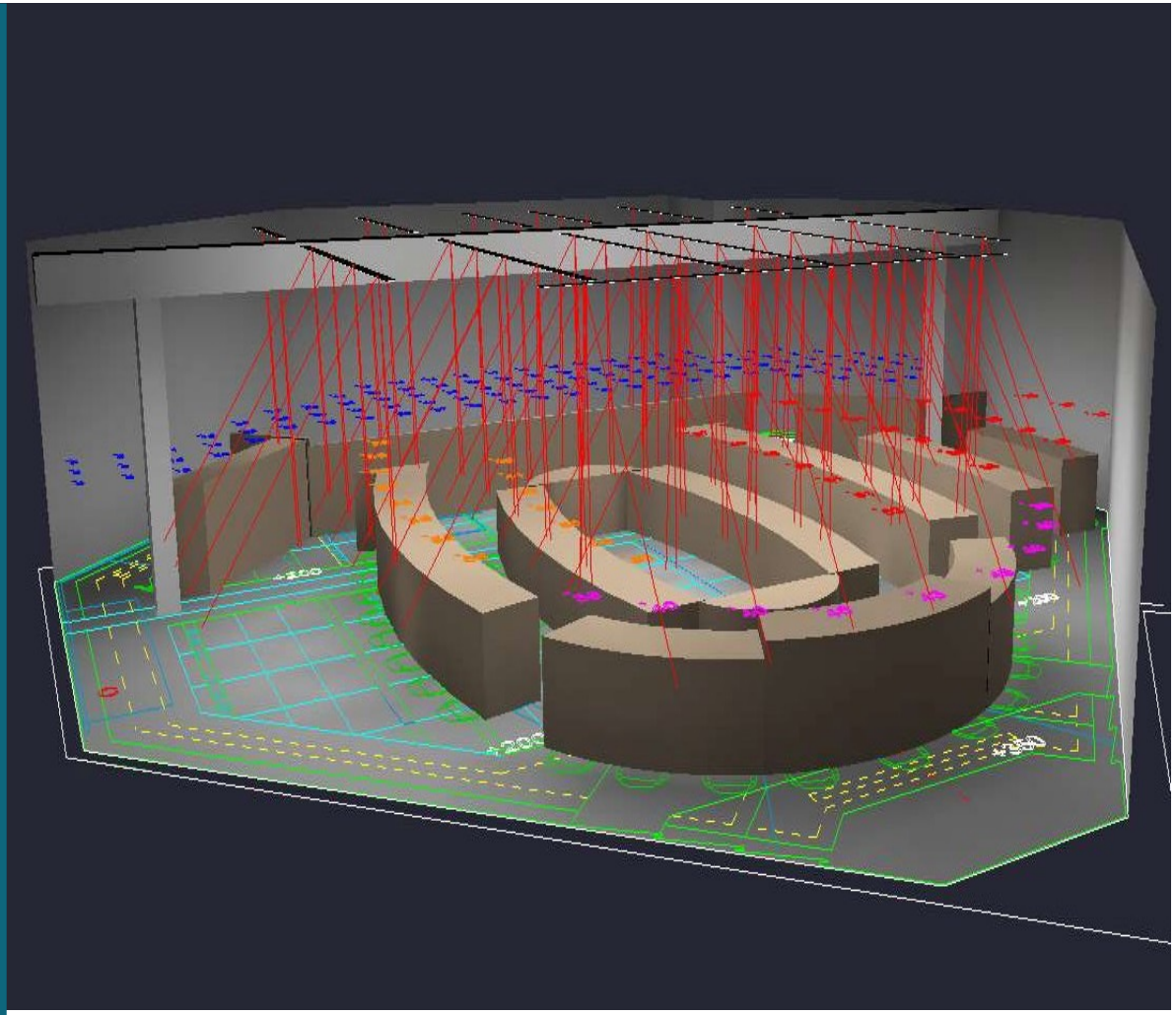
LIGHTING RENDERING – PREPARED IN AGI 32

- AGI renderings enable Brightline design to check each beam angle to ensure that its direction is ideal.
- Design renderings allow ratios of foreground to background to be fine-tuned in advance of installation.
- Surface finishes can be imported into the design rendering program to further the accurateness of the virtual representation.
- Levels for each monitor and presentation device are reviewed to check for unwanted glare.



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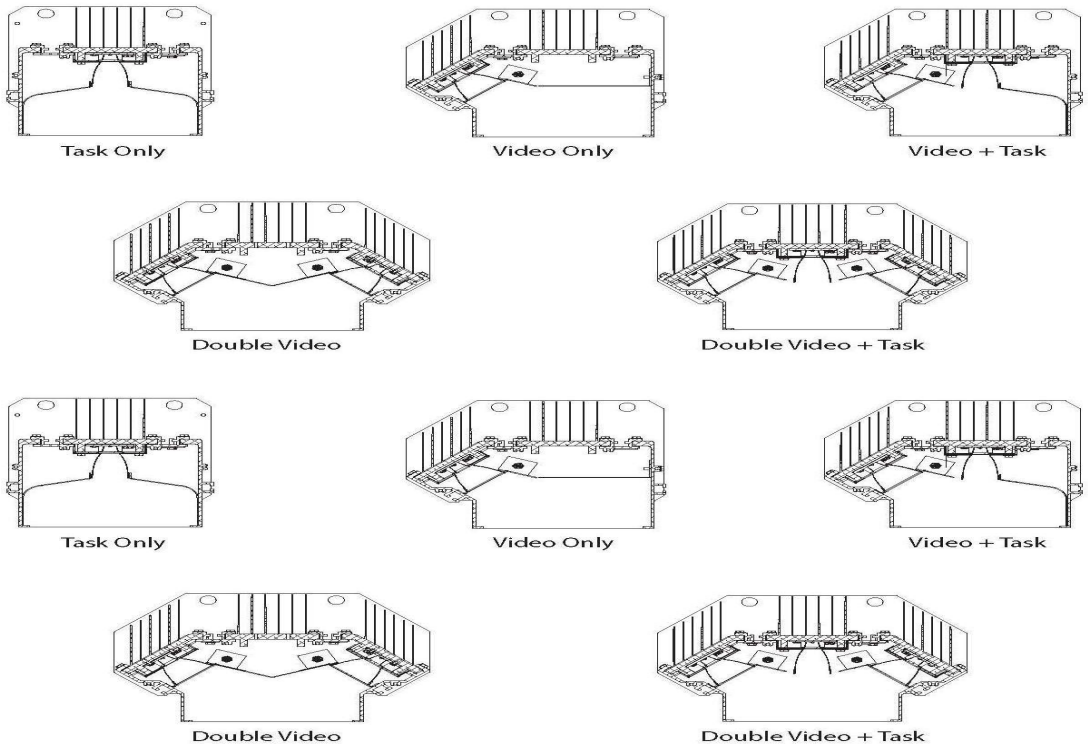
SELECTED LIGHTING FIXTURES



- TheVideoPlus is unique in that it can provide task and crossing video light from the same fixture designed to fit in a 6-inch track.
- TheVideoPlus can be configured in continuous runs.
- Configuration options are for task light only,video light only,video + task,double video channels,and double video + task.

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WITH LIGHTING UPGRADES

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