

**Attachment E
Specifications Response Form**

INSTRUCTIONS: Provide the cost structure for all requirements in Attachment A - Specification/Scope of Services.

Fill in only the **yellow highlighted squares**. All costs should be in USD\$, excluding taxes.

ONE ORIGINAL COPY SHALL BE PRINTED, SIGNED, AND SUBMITTED

RFP Section	Criterion	Requirement	What to Enter	Response Product 1	Response (OPTIONAL) Product 2	Response (OPTIONAL) Product 3
8.6.1	Company Profile	<i>See RFP section 8.6.1 - Provide clearly labeled attachments</i>				
8.6.2	Relevant Experience & Demonstrated Ability	<i>See RFP section 8.6.2 - Provide clearly labeled attachments</i>				
8.6.3.1	LED Tile Technology	<i>See RFP section 8.6.2 - Provide clearly labeled attachments</i>				
8.6.3.1.1	LED TILE	Manufacture of front-accessible, indoor, SMD LED tile product in 1.5-2.5mm pixel range . <i>If Proposer offers more than one product with these specifications, provide responses to all items in 8.6.3.1 for all products in the optional columns</i>	Model Number			
8.6.3.1.2	PIXEL PITCH	Indicate proposed pixel pitch based on minimum viewing distance of 15ft for no perceptible pixels. Provide effective pixel pitch of curvilinear display in concave configurations, if different from flat configuration. Refer to Attachment A for curvature requirements.	Pixel Pitch			
			Effective Pixel Pitch			
8.6.3.1.4	CUSTOMIZATION	Proposer to highlight any customization capabilities and explain any limitations encountered. Given the curvature indicated in Attachment A, indicate the estimated percentage of customized panels required. Recommend quantities for local shelf stock.	% of Customized Panels Required			
			Local Shelf Stock Quantities			
8.6.3.1.5	POWER	Maximum distance between the LED tile and power supply. Provide information on quantity of tiles per power supply or power source.	Maximum Distance to Power Supply			
			# of Tiles per Power Supply			
A.4.1.1	MINIMUM VIEWING DISTANCE	Specify minimum viewing distance with no perceptible pixels for proposed pixel pitch	Minimum viewing distance in feet			

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A.4.1.3	VIEWING ANGLES	Maximum viewing angle where the content remains recognizable	Maximum Horizontal Viewing Angle in Degrees			
			Maximum Vertical Viewing Angle in Degrees			
A.4.1.4	COLOR DEPTH	Minimum color depth. Displays shall have HDR capabilities that maintain image dynamic range across all brightness levels.	Proposed Color Depth			
A.4.1.5	REFRESH RATE	Indicate image refresh rate, defined as the rate at which the image content is redrawn across the display.	Refresh Rate in Hertz (Hz)			
A.4.1.6	CONTRAST RATIO	Indicate the contrast ratio, and any customizable options available to improve contrast.	Contrast Ratio			
A.4.1.7	COLOR GAMUT	Wide color gamut	Color Gamut			
A.4.1.8	BRIGHTNESS - MIN	Minimum brightness	Minimum Brightness in Nits			
A.4.2.1	BRIGHTNESS - AVERAGE	Indicate the brightness at an average power consumption	Average Power Brightness in Nits			
A.4.2.2	TILE DIMENSION	Proposer to provide LED tile dimension for each proposed product	Tile Dimension (Height x Width) in Inches			
A.4.2.3	MODULE WEIGHT	Indicate the weight of the proposed module, including the subframe and any connections required	Weight in Pounds per Square Foot (lbs./ft ²)			
A.4.2.4	ENCLOSURE DEPTH	Maximum enclosure depth	Maximum Enclosure Depth in Inches			
A.4.2.5	POWER CONSUMPTION - MAX	Indicate the maximum power consumption for the display technology	Power in kiloWatts per Square Foot (kW/ft ²)			
A.4.2.5	POWER CONSUMPTION - AVERAGE	Indicate the average power consumption for the display technology	Power in kiloWatts per Square Foot (kW/ft ²)			

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A.4.2.6	HEAT GENERATION - MAX	Indicate the maximum heat generation for the display technology	Power in British Thermal Units per Square Foot (BTU/ft ²)			
A.4.2.6	HEAT GENERATION - AVERAGE	Indicate the average heat generation for the display technology	Power in British thermal units per square foot (BTU/ft ²)			
A.4.2.7	OPERATING TEMPERATURE	Indicate the range of operating temperatures and any limitations.	Minimum - Maximum Operating Temperature in Fahrenheit			
A.4.2.8	VENTILATION	Indicate the minimum clearance required for passive ventilation and what options are available as supplemental ventilation, if required	Minimum Ventilation Clearance in Inches			
A.4.2.9	COLOR TEMPERATURE ACCURACY	Provide color temperature accuracy across different brightness levels (0%, 30%, 60%, 100%)	Deviation From Expected Color Temperature in % (0%, 30%, 60%, 100%)			
A.4.2.10	LIFESPAN	Minimum lifetime is 100K hours at half brightness	Lifespan in Hours			
8.6.3.2	LED Processor Technology					
8.6.3.2.1	LED PROCESSOR	Proposer must provide an LED processor suitable to the demands of the Oculus. <i>If Proposer offers more than one product with these specifications, provide responses to all items 8.6.3.2 for all products in the optional columns</i>	Model Number			
8.6.3.2.2	CAPACITY	Proposed LED Processor must have the capacity to accept multiple high resolution video inputs and combine them to form a continuous image with no distortion	Maximum Pixel Dimensions			
8.6.3.2.3	SYNC / GENLOCK	Proposed LED Processor must be able to accept a sync signal and integrate multiple video inputs to form a continuous image on a large display surface	Yes / No			
8.6.3.2.4	THIRD PARTY CONTROL	Proposed LED Processor must be able to support network-based third-party control	Yes / No			
8.6.3.2.5	PIXEL MAPPING	Proposed LED processor must minimally support 4K/UHD @ 60fps inputs with one-to-one pixel mapping from video signal to LED display	Yes / No			
8.6.3.2.6	DYNAMIC BRIGHTNESS CONTROL	Processor shall be capable of dynamically dimming LED tiles based on the fluctuations in ambient lighting conditions.	Yes / No			

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A.5.1.5	INPUT CAPABILITIES	Proposed LED processor must minimally support inputs of 4K/UHD at 60fps at 4:2:2 chromatic subsampling . HDCP 2.2 support and EDID management. Quantity of inputs shall be as needed to support full resolution of Oculus.	Input Resolution / Related Parameters			
	COLOR DEPTH	10bit color depth or greater with high-dynamic range HDR10 or similar. Support for 60fps RGB 4:2:2 video sources at noted color depth.	Bit Depth			
A.5.1.11	COLOR GAMUT	Wide color gamut (100% NTSC or better)	Color Gamut			
8.6.4	In-House Capabilities					
8.6.4.2	LEAD TIME ESTIMATION	Estimated lead time for the fabrication of the proposed LED products for the Oculus, assuming 2000 square feet of indoor LED product to fit the truncated cone shape	Fabrication Lead Time Estimation in Weeks			
8.6.5	Project Plan & Installation					
<i>See RFP section 8.6.5 - Provide clearly labeled attachments</i>						
8.6.6	Warranty & Maintenance					
<i>See RFP section 8.6.6 - Provide clearly labeled attachments</i>						

[Yellow Signature Line]

SIGNATURE OF AUTHORIZED SIGNATORY

[Yellow Name Line]

NAME AND TITLE OF SIGNATORY

[Yellow Date Line]

DATE OF SIGNATURE