

Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219
(804) 646-6335

http://www.richmondgov.com/CommitteeUrbanDesign

Application Type Addition/Alteration to Existing Structure New Construction Streetscape Site Amenity	Encroachment Master Plan Sign Other	Review Type Conceptual Final			
Project Name:					
Project Address:					
Applicant Information (on all applications other than encroachments, a City agence)					
Name:	_ Email:				
City Agency:	Phone:				
Address:					
Main Contact (if different from Applicant):					
Company: Phone:					
Email:					

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. Late or incomplete submissions will be deferred to the next meeting.

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.



August 20, 2015

Project: Kanawha Plaza Improvements

Subject: Project Narrative

Date: For UDC Submittal, for review at September 8, 2015 Hearing

Kanawha Plaza was built over the newly constructed RMA expressway around 1980. The Plaza has been the home of very successful music concerts, small festivals and passive activities. It is accented with a gushing stepped water fountain at the street corner. The Plaza is in a state of disrepair; the concrete steps are damaged and decayed, the existing trees are overgrown, declining, or irregular. The fountain plumbing and pumps have been updated and functions well, but the concrete structure requires major renovation.

The City of Richmond is partnering with a number of private sector corporation sponsors, including Dominion Resources, who are working collectively to improve Kanawha Plaza. The goal is to renovate the park to create a safe, user friendly, attractive and semi-active outdoor amenity.

The City's Planning Commission approved the design for the Park Design with the requirement that the Applicant present specifically highlighted design details to the Urban Design Committee for review and approval. Those include:

1. Stage Canopy Materials

a. Roofing: Metal standing seam, gray

- b. Structure:
 - i. Columns: 10" round steel tube, painted with embossed metal paint (hammered silver metallic gray) in round sonotube formed column bases that are at grade level
 - ii. Truss members: 6" round steel tube, same color
- c. Underside of canopy: wood grained veneer (MEG rain screen), color # 754 CS
- d. Letters (RVA): 2'(depth)X16'8"(h), 16 ga. Cor-ten steel (Weathering Steel A606-4/ A588) panels; color, natural oxidation (rust colored to mimic and represent the rustic metallic look that would be associated with the industrial era of the Turning Basin) with stainless steel wave pattern at the bottom.
- e. Type WA Light Fixture in the ceiling is a 6" LED Downlight

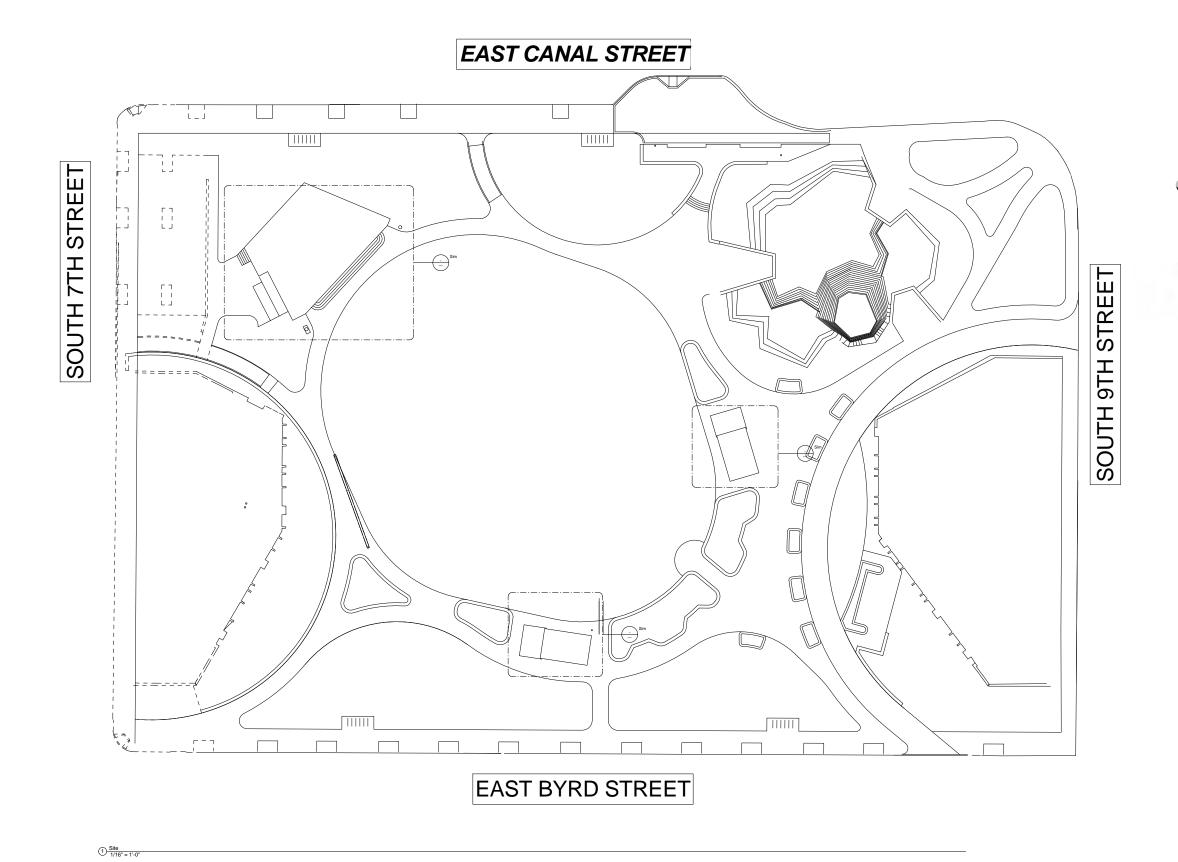
2. Sun Shelters

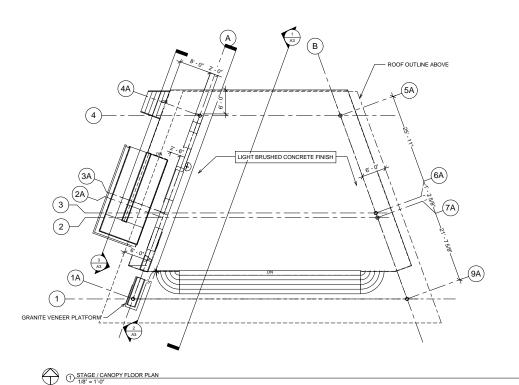
- a. Roofing: Metal standing seam, gray
- b. Structure:
 - i. Columns: 8" round steel tube, painted with embossed metal paint (hammered silver metallic gray) in granite veneer seat wall
 - ii. 6" steel joists and 8" steel beams
- c. Underside of canopy: wood grained veneer (MEG rain screen), color # 754 CS
- d. Type WB Light Fixture in the ceiling is a 4" LED Downlight





KANAWHA PLAZA



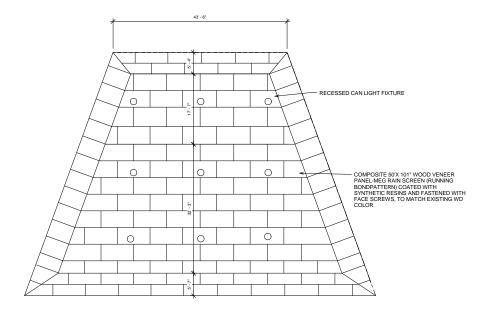


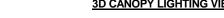


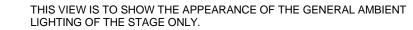
3D CANOPY VIEW





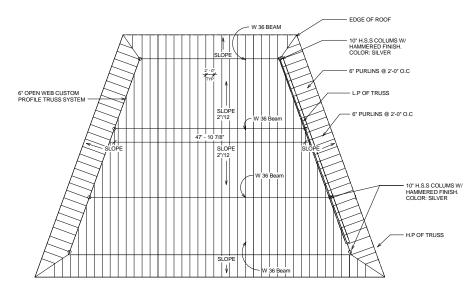




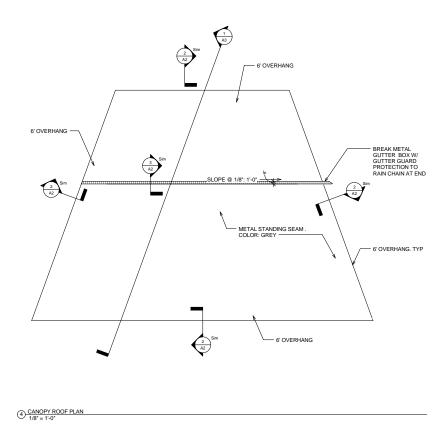


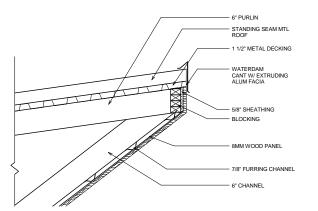


STAGE REFLECTED CEILING PLAN
1/8" = 1'-0"

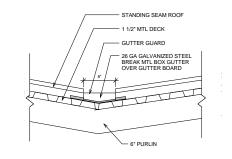




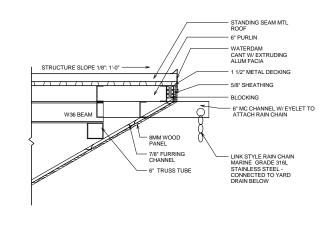








3 GUTTER DETAIL 1 1/2" = 1'-0"



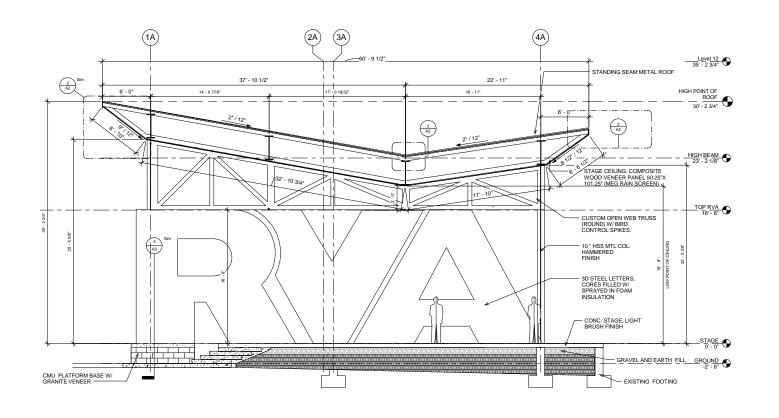


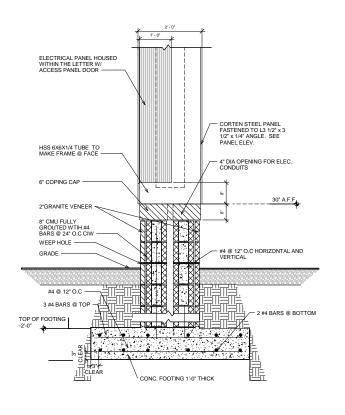








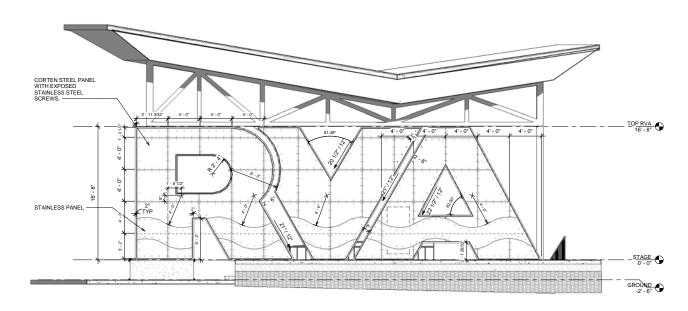


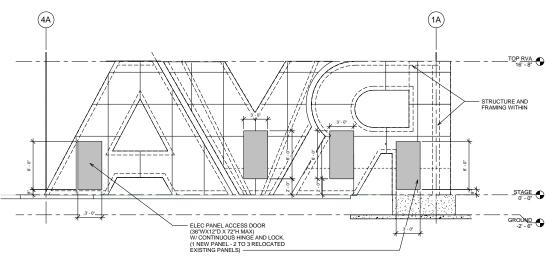




HS ENGINEERING, INC.
CONSULTING ENGINEERS
479 Southlake Boulevard
Richmond, VA 22326
804.594.7210

(4) LETTER R' PLATFORM DETAIL
1" = 1'-0"

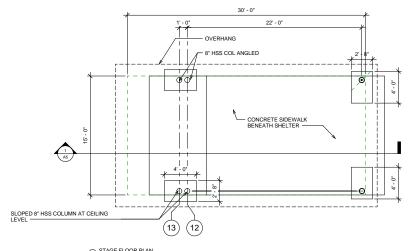




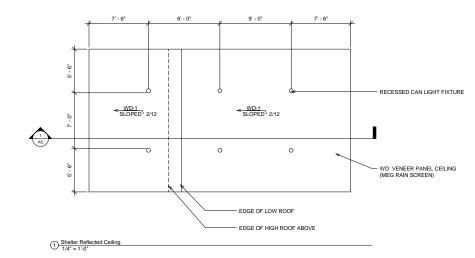
③ STAGE RVA LETTERING
1/4" = 1'-0"

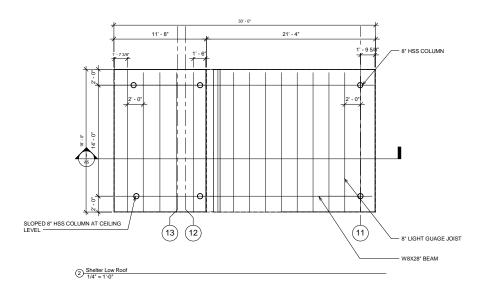
RVA REAR ELEVATION - ELECTRICAL

PANEL LOCATIONS











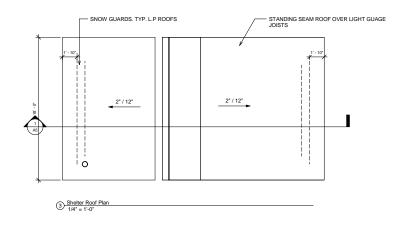
3D SHELTER LIGHTING VIEW

THIS VIEW IS TO SHOW THE APPEARANCE OF THE GENERAL AMBIENT LIGHTING OF THE SHELTER ONLY.



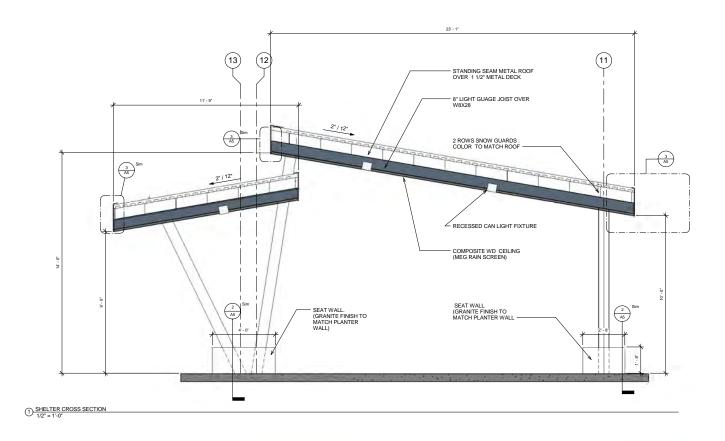


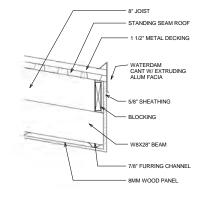




AUGUST 20, 2015

KANAWHA PLAZA DESIGN DEVELOPMENT



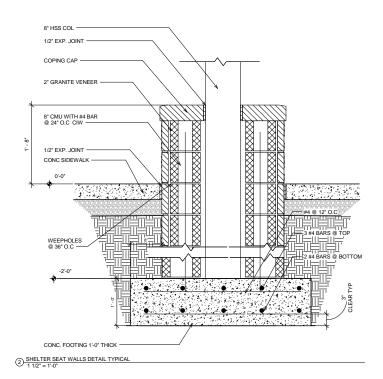




③ SHELTER DRIP EDGE 11/2" = 1'-0"







AUGUST 20, 2015

KANAWHA PLAZA DESIGN DEVELOPMENT

<u>A5</u>



ROOF: METAL STANDING SEAM

COLOR: GREY

FINISH: GALVALUME

RIB SPACING: 12"



STAGE LETTERS: CORTEN STEEL

THE LETTERS ARE MADE OF CORTEN STEEL PRE-OXYDATED

THE LETTERS ARE SUPPORTED BY A TUBE FRAME AT FACE AND INFILLED WHERE REQUIRED WITH L 3 1/2" X 3 1/2" X 1/2" FOR PANEL SUPPORT

THE PANELS ARE FASENTED WITH TAMPER PROOF STAINLESS STEEL SCREWS

THE WAVE PATTERN IS AN OVERLAY OF STAINLESS STEEL



CEILINGS: COMPOSITE WOOD VENEER PANEL (MEG RAIN SCREEN)

THE CEILING LAYOUT PATTERN IS RUNNING BOND

FACE SCREWS PAINTED TO MATCH CEILING ATTACH THE PANELS TO THE FURRING BENEATH PAINTED BLACK



COLUMN / BEAMS

THE STEEL SUIPPORTS WILL BE TUBULAR STEEL GALVANIZED AND PAINTED WITH RUST INHIBITIVE PAINT

COLOR: SILVER

FINISH: HAMMERED











AUGUST 20, 2015

Job Name:

Kanawha Plaza

Catalog Number:

LED

I 602(X)

A6VPLEDX-3000-35K-L6014SCL

Notes:

Type:

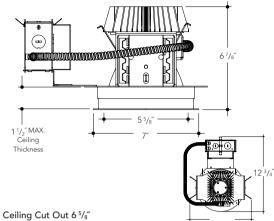
WA

LV - CENTRAL15-17875

6" Aperture

6" LED Project Name: _ Type: __

DIMENSIONS



FEATURES

Fortimo LED DLM Flex Systems

New Fortimo LED Downlight Module (DLM) Flex systems now provide the latest advances, including high quality LED options to satisfy both functional and performance requirements along with excellent energy efficiency and color consistency. For practical and general lighting applications, the Fortimo LED DLM Flex Module is an excellent solution.

Its direct white mid-power LED technology combines high light quality and energy efficiency levels over 100 Lm/W, offering superior price/performance along with low maintenance costs and a long lifetime of 50,000 hours. Five lumen packages are available: 1100, 1500, 2000, 3000, and 5000.

Features and Benefits

- High energy efficiency system up to 107 lm/W
- Wide range of lumen packages from 1,100-5,000 lm
 High quality of light with CRI 80 and 3 SDCM color consistency
- Xitanium driver output 25-56V and dimmable with 0-10 volt controls
- Input volts 120-277V
- 50,000 hours of life at L70 standard
- Smart systems with Philips Advance Xitanium drivers
- 5 year warranty on LED module and driver

Frame

Heavy duty galvanized steel components including frame, adjustable mounting ears and junction box. Fixture is prewired and grounded with easy access from below, listed for through branch circuit wiring.

Standard mounting bars (included) incorporate rigid formed cross sections and include joist positioning tabs, integral nails, auxiliary nailholes, T-Bar slots and holes for locking to grid using self-tapping screws (supplied by others). Mounting ears will accept our standard bars (14"-24" ext), optional Caddy #517B (27" ext) and other mounting methods.

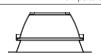
Insulation must be kept 3" away from fixture. Listed for damp locations.

REFLECTOR KIT

LENSED - LED - ROUND

L601(X) Alzak or Painted Splay add lens suffix, see below.

Reflector standard Clear "Alzak". Other options consult factory.



Vantage Lighting offers high efficiency diffuse optics in a wide variety of distributions.

Please see optical diffuser option below for lensed fixtures.

LENSED BAFFLED - LED - ROUND

Baffled Splay

add lens suffix see below

Reflector standard Clear "Alzak". Other options consult factory.

Baffled Finish Options

Black Baffle ΒI WH White Baffle





ORDERING INFORMATION

Wattage LED	Housing	Voltage	Lumens	Kelvin	Reflector	Lens	Finish	Options
See Chart	A6VEPLED	1	-11 = 1100	27K = 2700K	L601(X)	1	SCL	AT
Below		2	-15 = 1500	30K = 3000K	L602(X)	1P	SGC	DL-3
			-20 = 2000	35K = 3500K	1	1FR	ECL	DL-2
		SELECT	-30 = 3000	40K = 4000K	•	4	WHT	EM
		VOLTAGE	-50 = 5000			4P		PF
Lumens	Wattage*]				2D		R
1100-3k	13					4D	BL	RETRO
1100-4k	12					6D	WH	KLIKO
1500-3k	18	1						
1500-4k	16					8D		
2000-3k	25.5	1						
2000-4k	23					2		
3000-3k	37	Voltage	Lens		Special Optics	Options		
3000-4k	33	1 - 120 Volts			2D - Optical Diffuser-20°	AT - Airtight		ergency Battery
5000-3k	50	2 - 277 Volts		ar Polycarbonate	4D - Optical Diffuser-40°	DL-3 - Lutron 3-Wire -		shed Flange
5000-4k	58	3 - 347 Volt - Please	1FR Fro	sted	6D - Optical Diffuser-60°	Please Consult Factor		
*Actual Watta	ige/Lumens may vary.	Consult Factory	4 Pris	matic Glass	8D - Optical Diffuser-80°	DL-2 - Lutron 2-Wire -	Retro - R	letrofit - Please

Prismatic Acrylic

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function

lacktriangle See Options pages for other options and finishes.

Please Consult Factory

Consult Factory

០

LIGHTING

VIRGINIA

PARNEL

Job Name: Kanawha Plaza **Catalog Number:** LF4LEDG4-4LFLED5G4-30K-IP65-B6 Notes:

Type:

WB

LV - CENTRAL15-17875

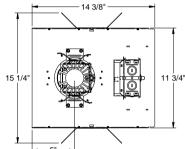


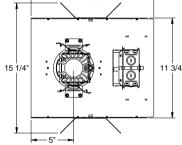
4" LED Flush Lens Downlight LF4LEDG4

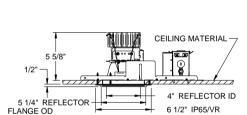
120V-277V High Efficacy 0-10V Dimming IP65 or VR

DATE: TYPF FIRM NAME PROJECT:

Ceiling Cutout: 5 Maximum Ceiling Thickness 11/4" For conversion to millimeters, multiply inches by 25.4 Not to Scale







EXAMPLE: LF4LEDG4 -4LFLED5G430KIP65

347V not available with EMR

For HDM, DM1, & 2DM options,

housing output must match trim output

IP65 and VR can not be chosen

See page 2 for EMR line art.

APPLICATIONS:

LiteFrame LF4LED is a 4" specification grade LED lensed downlight that utilizes remote phosphor technology to obtain color consistency, energy savings, and low maintenance costs. 50,000 hours minimum life up to 35°C (95°F) in open plenum applications.

HOUSING:

One-piece 22 gauge non-corrosive steel platform. Pre-wired j-box with snap-on cover for easy access. Snap-in- connection from driver compartment allows easy installation of light engine/trim assembly without tools above or below the ceiling and can be upgraded to accommodate technology improvements. Approve for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

High purity aluminum, Alzak, iridescence suppressed, semi-diffuse reflector. Self-trim

IP65 AND VR:

IP65 and vandal-resistant (VR) options are made of 16GA cold rolled steel stampings and come standard with a clear high impact polycarbonate lens. Each option uses self tapping stainless steel screws painted to match the white trim color standard; tamper-resistant screws are used on the VR option only. The IP65 rated option is completely sealed without the use of silicone on standard non-porous ceiling surfaces.

LED LIGHT ENGINE:

The LF4LED uses the Philips Fortimo DLM Gen 4 LED Module with remote phosphor technology.

This technology provides controlled color consistency (3 SCDM) from fixture to fixture. The system is designed for optimal life and lumen maintenance (>50,000 hours at 70% lumen maintenance). Both reflector and light engine assembly are mechanically retained to housing. The light engine comes standard with 80 CRI in all Kelvin temperatures

LED DRIVER:

The LF4LED utilizes the Philips Fortimo LED Driver specifically designed to optimize efficiency of the Fortimo DLM Module. Driver is designed to match the 50,000 hours minimum life expectancy of the system. Meets UL Class 2, inherent short circuit protection, self limited, overload protected. If critical temperatures are reached on driver or LED module, integrated thermal feedback loop will gradually reduce current to protect system life. Driver is universal 120V-277V. Optional Lutron Series A driver is also available.

DIMMING:

Comes standard with 0-10V dimming capability. Flicker-free dimming to 10%. 0-10V control may consume up to 1mA. 0-10V, Lutron 2 wire, 3 wire, and EcoSystem dimming available to 1%.

INSTALLATION:

Adjustable Bar hangers included. Universal adjustable mounting brackets also accept 1/2' EMT conduit or 1 1/2" or 3/4" lathing channel (by others) or Prescolite 24" bar hangers (B24 or B6).

CERTIFICATIONS:

CSA certified to US and Canadian safety standards. Suitable for wet locations. Approved for through wiring. Non-IC rated. EMR is damp rated use only.

WARRANTY:

5 year warranty. See www.prescolite.com for details.

CATALOG NUMBER:

Order housing, reflector, and accessories separately HOUSING/LED LED COLOF **VOLTAGE OPTIONS ACCESSORIES** GENERATION STANDARD 0-10V DIMMING LF4LEDG4 Blank EMR1 ☐ 4LFLED5G4 □ 30K Blank □ Blank □ IP65³ **B24** Set of two 24" bar hangers for T-bar 1100 Lumen Module 35K 4" High Efficacy 120V-**Emergency Batte** Semi-Diffuse Clear Flush lens. Dust LED Housing □ 40K Pack with remote and water tight 4LFLED6G4 with 0-10V 347 to IP65 test switch Set of two (2) bar hangers for ceiling j up to 24" centers 1500 Lumen Dimming to 10% VP3 Module Vandal Resistant ☐ 4LFLED7G4 LiteGear 2000 Lumen See page 3 for availability Module Use with HDM/DM1/2DM dimming option: ALTERNATIVE DIMMING TO **Match Housing to Trim Output** □ LF4LED5G4

□ LF4LED6G4 □ LF4LED7G4 □ 120 □ HDM² **277**

Lutron 3-wire /Eco System to 1% 2DM²

Lutron 2-wire Leading Edge to 1% (120V only) EMR1

Emergency Battery Pack with remote test switch DM 1²

0-10V dimming to 1%

A Division of Hubbell Lighting, Inc.

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

Web: www.prescolite.com • Tech Support: (888) 777-4832

LFR-LED-031

FLANGE OD

LIGHTING

VIRGINIA

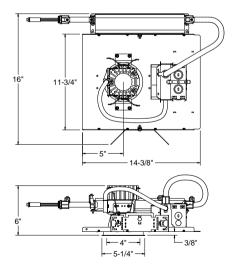
PHOTOMETRIC DATA

DRIVER DATA	LF4LED5G4 30K	LF4LED6G4 30K	LF4LED7G4 30K
Input Voltage	120-277V	120-277V	120-277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input Current	0.12A (120v)	0.16A (120v)	0.22A (120v)
	0.05A (277v)	0.07A (277v)	0.10A (277v)
Input Power	14.3W	18.9W	26.6W
Constant Current Output	t 200–1000mA	200-1000mA	200-1000mA
Power Factor	≥0.90	≥0.90	≥0.90
THD	<20%	<20%	<20%
EMI Filtering	FCC 47CFR	FCC 47CFR	FCC 47CFR
	Part 15, Class A	Part 15, Class A	Part 15, Class A
Operating Temperature	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
Dimming	0-10V	0-10V	0-10V
Over-voltage, over-curre	nt, short-circuit protecte	d .	•

When operating in EM mode, the fixture will deliver approximately 30% of the published full lumen output.

Integral EM Pack (Remote Test Switch)

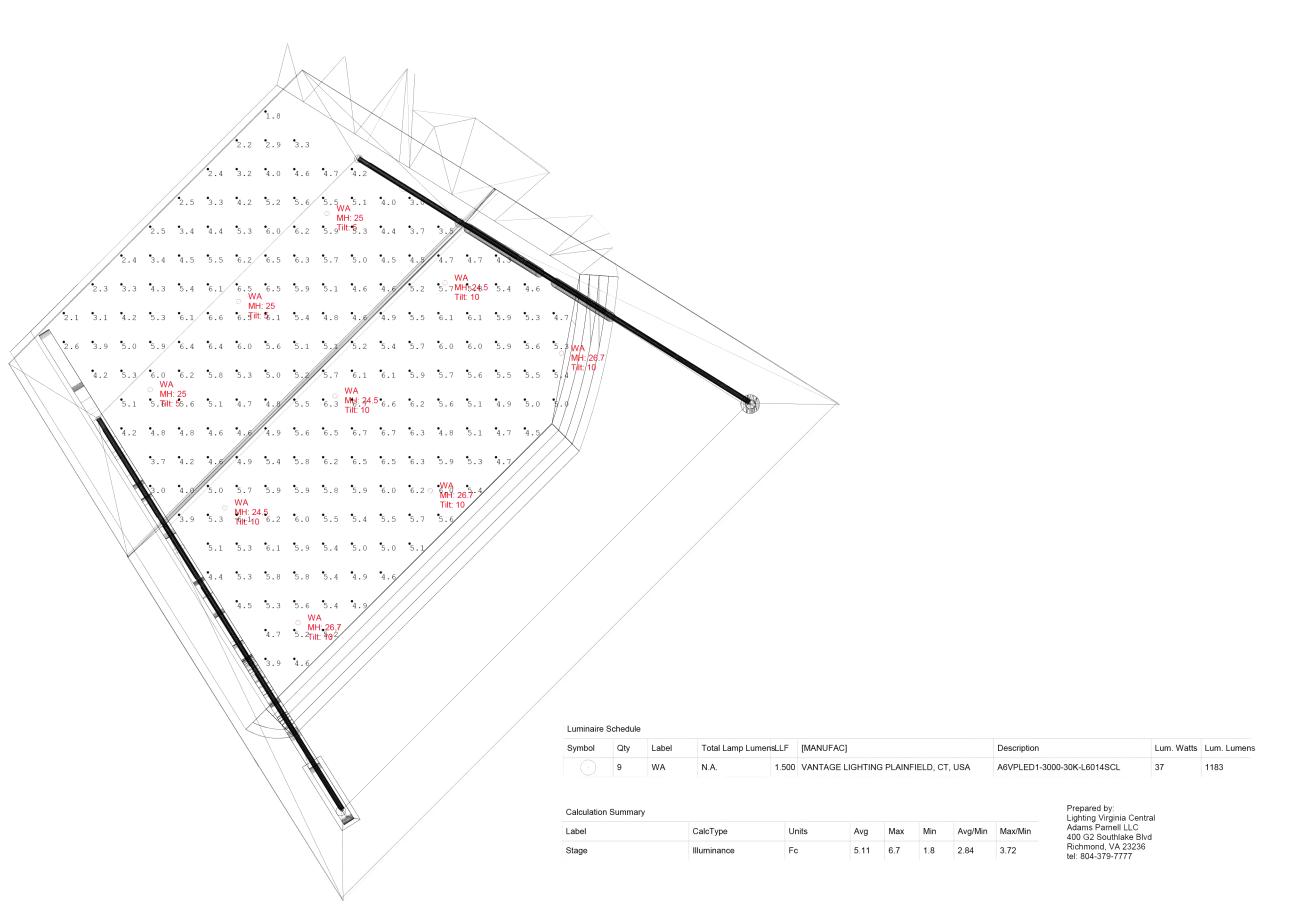
Prescolite provides photometric performance of the LiteFrame LED when operating on integral EM (Remote Test Switch) back up power as a tool to approximate light levels in back-up battery operation. This should not be deemed a guarantee of performance. The LiteFrame LED is CSA listed as an emergency fixture for applications not to exceed 16ft.



LF4LEDG4EMR







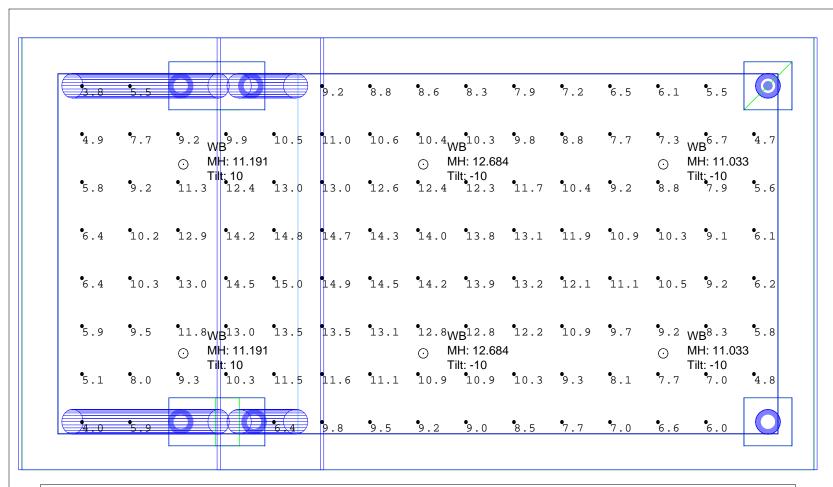
Revisions

Diana Ades

Checked By: Date:7/20/2015 Drawn By:

Kanawha Stage rev072015

Scale: 1 inch= 10 Ft.



Luminaire Schedule								
Symbol	Qty	Label	Total Lamp Lumens	LLF	[MANUFAC]	Description	Lum. Watts	Lum. Lumens
\odot	6	WB	N.A.	0.900	PRESCOLITE	LF4LEDG4 4LFLED5G430K	14.33	1133

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Floor_Top	Illuminance	Fc	9.78	15.0	3.8	2.57	3.95

Prepared by: Lighting Virginia Central Adams Parnell LLC 400 G2 Southlake Blvd. Richmond, VA 23236 tel: 804-379-7777

Scale: 1 inch= 4 Ft.

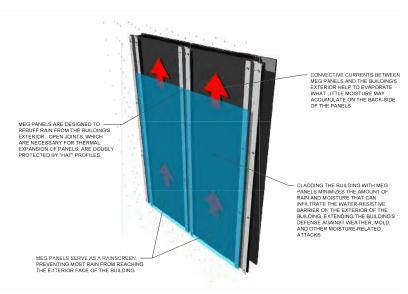




MEG PRESENTS: AN OVERVIEW OF THE RAINSCREEN PRINCIPLE

The Rainscreen Principle is a method for controlling rain penetration through a wall cladding system. Also referred to as "open joint", "dry joint" and "back ventilated", a rainscreen building system is one where panels are attached to a fastening system (profiles) that creates air flow between the panels and a building's structural wall. These open joints allow for expansion and contraction of the exterior panels and also enable air pressure in the cavity behind cladding to equal outside air pressure, resisting wind driven rain and other factors that can drive water into the building's envelope such as gravity, kinetic surface tension and capillary action.

A rainscreen system uses a "double-wall construction". The inner structural wall of the building is covered with a water-resistant barrier. The profiles are then attached to the structural wall and the exterior cladding is fixed to the profiles. The open joints between the exterior panels allow any rain that does penetrate to deflect, drain, or dry via "chimney effect". A rainscreen system can improve the performance of the building's interior climate by allowing moisture to escape and preventing mold formation. Rainscreen cladding also allows heat from the sun to be dispersed, which can prevent temperature fluctuations on the building's interior and improve the overall energy efficiency of the building.

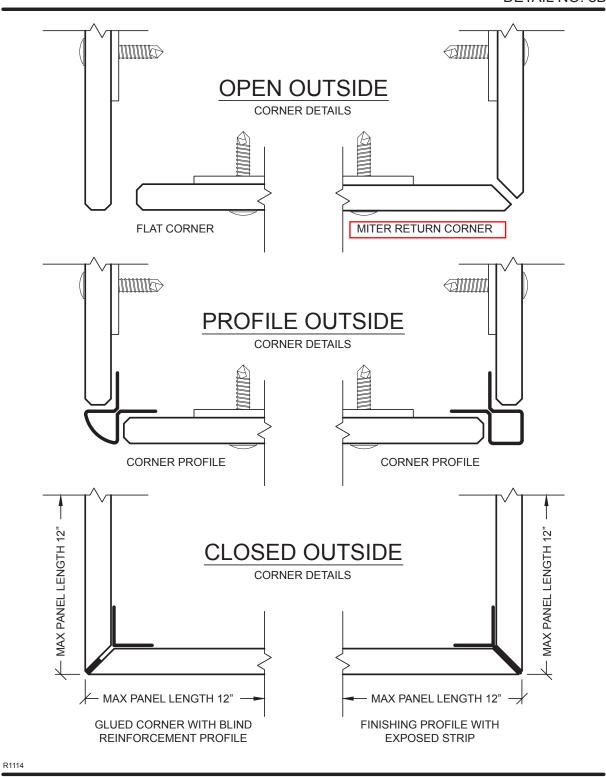


MEG PANELS: RAINSCREEN

Here are some of the reasons you should consider using MEG rainscreen panels for your next build project:

- Weatherproof Durable and fade resistant, MEG
 panels are designed to withstand rapid temperature
 shifts and harsh environments including prolonged
 exposure to direct sun, rain and sea salt.
- **Sturdy** MEG panels don't warp, splinter, crack, check, peel or delaminate.
- Non-corrosive Built to endure, MEG panels are composed of durable materials highly resistant to corrosion.
- Quality appearance Extraordinary design comes standard and never at the expense of durability. MEG panels are available in a variety of colors and finishes resulting in beautiful exteriors of enduring performance.
- Maintainable Your MEG panels are built to last and are easily maintained using non-abrasive household cleansers with sponges, cloths or paper towels.
- Graffiti resistant MEG's smooth finish hampers spray paints, inks, lipstick, crayons and other emulsions from penetrating its surface and does not require any preventive graffiti treatments prior to installation.
- Ecofriendly MEG panels are designed to beautify an exterior environment and are made with materials that will not harm the environment. Additionally, MEG panels can be ordered FSC-certified and use of panels may contribute points to LEED projects.
- Termite resistant MEG's high performance laminates are resistant to termite and insect infestation.
- Excellent fire performance MEG 10mm F1 panels have superior thermal resistance and have passed the National Fire Protection Association's (NFPA) most stringent tests including NFPA #285 and #268.





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July 16, 2015

Ms. Monica Flippen

Kelso & Easter, Inc. 101 West Broad Street, Suite 101B Richmond, VA 23220

Re: Kanawha Plaza **Stage Review** SMW# 15305

Dear Monica.

This letter summarizes our review of the proposed stage design for the Kanawha Plaza in Richmond, VA. The following are our notes and recommendations regarding acoustical issues of the materials and layout of the stage design.

Notes on Design

We understand that a new stage is being designed for the renovation of Kanawha Plaza. The stage will be located in the corner of the park near Highway 60 and will open up towards an open lawn. We note that this is a small park, approximately three DENVER acres where small to medium gatherings of people are planned to occur.

We understand that as a large covered space, it will serve a variety of uses. The stage may serve as a meeting place, a gathering spot for families or visitors of the park, as well as a stage for musical performances. It is our understanding that musical performances are not the main purpose of this stage, but that it can accommodate this function. We assume that any amplified performance will include loudspeakers at the front of the stage facing outward towards the audience with small monitors facing back to the performers.



Kanawha Park Layout Design

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INTEGRATED COMMUNICATIONS **TECHNOLOGY AND ACOUSTIC CONSULTING**

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We understand that there are acoustic concerns regarding the layout and design of the metal letters incorporated in the stage. We note that the letters will be approximately two feet deep and constructed from COR-TEN steel.

Letters Placed Along the Side of the Stage:

We understand that this position is most desirable as it allows a view into the park from the outside. It also allows the letters to be in the correct orientation when a person is viewing it from the lawn or the highway.



Letter Location

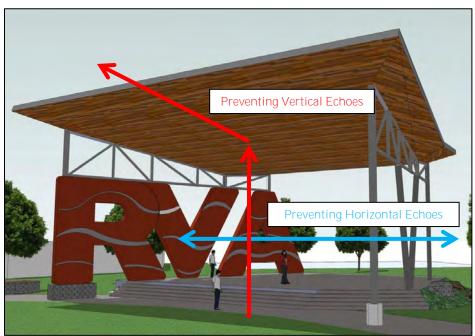
Recommendations

The following are our recommendations regarding the shape and layout of the stage.

Flutter echoes are an important issue to consider with this design. This is an acoustical phenomenon when an echo is caused because of two parallel reflective surfaces. This may sound like a ping or a fast echo.

We note that the ceiling above the stage is angled out towards the lawn with a smaller section angled out toward the street behind the stage. This is beneficial acoustically as it prevents any echoes from occurring between the floor and ceiling of the stage.

We note that only one side of the stage will have the large metal letters. Any sound reflections will move towards open air, either towards the lawn or the opposite open side of the stage. For example, vertical reflections will be projected out into the lawn area due to the angle of the roof overhead and horizontal reflections will pass out of the stage through the open side. Therefore this design prevents any echoes from occurring either horizontally or vertically on stage.



Stage Reflections

We note that there is a concern that the letters may create unwanted acoustical issues or sounds. It is our understanding that there is worry that a ringing sound could occur during a musical performance. To avoid this issue, we recommend filling the cavity of the metal letters with a blown in foam insulation. This will dampen any 'ringing' in the letters and reduce unwanted acoustical effects.

If you have any questions regarding the comments or recommendations contained in this letter, please do not hesitate to contact us.

Best Regards,

Shen Milsom & Wilke, LLC

Ken fallred

Kevin Galbreath

Associate Consultant

CC: Julie Fischer (SM&W)