September 2020 BAR Action

Watkins, Robert <watkinsro@charlottesville.gov>
Wed 9/16/2020 1:43 PM

To: Brian Quinn <BQuinn@MILROSE.com>

Certificate of Appropriateness Application
BAR 20-09-05
1619 University Avenue, TMP 090102000
The Corner ADC District
Owner: Sovran Bank
Applicant: Brian Quinn, Milrose Consultants
Bank of America exterior lighting

Dear Brian,

Last night, the Charlottesville Board of Architectural Review reviewed the above-referenced project and made the following motion:

Cheri Lewis moves to accept the applicant's request for a deferral, with the request that before future review, the BAR would like to see some photographic examples of nighttime and daylight photos, as well as before and after installations of these fixtures at other banks, and the BAR would like to see renderings of this project, and a revised tree plan with updated information.

James Zehmer seconds. Motion passes (9-0).

Please let me know if you have any questions.

Best,

Robert

Robert Watkins
Assistant Historic Preservation and Design Planner
Neighborhood Development Services
PO Box 911
Charlottesville, VA 22902
(434) 970-3398

CITY OF CHARLOTTESVILLE
BOARD OF ARCHITECTURAL REVIEW
STAFF REPORT
September 15, 2020

Certificate of Appropriateness Application
BAR 20-09-05
1619 University Avenue, TMP 090102000
The Corner ADC District
Owner: Sovran Bank
Applicant: Brian Quinn, Milrose Consultants
Bank of America exterior lighting

Background

Year Built: 1959
District: The Corner ADC District
Status: Contributing

This one-story Classical Revival brick commercial building was built as a bank branch in 1959. It is characterized by a projecting half-octagon porch, fixed 35-light windows, and a hipped roof.

Prior BAR Reviews

May 2013 – BAR accepted applicant's request for deferral. Revised plan should further develop the drawing submitted at meeting; brick walls at consistent horizontal level; lose the picket railing; look at framing concrete travel ways with brick, and coordinate with stone tread steps/brick risers; straighten path; clean up landscaping under tree; keep upper diagonal path on east side; use red brick [Old Virginia] pavers instead of dark brick, and consider polymeric sand.

July 2013 – BAR approved with conditions that the handrail design will match existing; eliminate two stairs in the center front; carry the bluestone cap detail across so it breaks the upper level from lower level; carry City sidewalk brick color to wall*; clean up geometry east side so there is a memory of an arc. Resubmit digitally to staff to be circulated to BAR for approval; *include two photoshop versions of brick color [dark City sidewalk brick and red brick to match existing] so final decision can be made.

Application

- Submittal: Little Diversified Architectural Consulting, *Bank of America, University, ELP Renovation,* dated 24 August 2020: CoA application, two letters, Sheets A00.00, A03.01, E00.01, E01.01, E02.01, E031.01, E04.01, and S01.01.

Request CoA for the replacement of exterior lighting.

Discussion and Recommendations

BAR may want to establish conditions for the proposed tree and vegetation trimming, including a requirement that any work within the public right of way be coordinated with the City.

Application indicates the light fixtures will have lamping with a Color Temperature (CT) that does not exceed 3,000K; however, the fixture cut sheets indicate that none of the fixtures are available with 3,000K lamping. (See attached.)

1619 University Ave	Cree Lighting #	CT per spec
UAB1	ARE-EDG-4M-DA-04-E-UL-BZ-525-30K	40K
UAN1	ARE-EDG-5M-DA-06-E-UL-BZ-525-30K	40K
UAW1	ARE-EDG-4MB-DA-04-E-UL-BZ-700-30K	40K
UAX1	ARE-EDG-4MB-DA-06-E-UL-BZ-700-30K	40K
UBO1	CPY250-A-DM-F-20W-UL-WH-30K	40K
USA1 and USA2	SEC-EDG-2S-WM-02-E-UL-BZ-350-30K	40K
USB1	SEC-EDG-2S-WM-02-E-UL-BZ-525-30K	40K

With presentation prior to the BAR meeting of up-to-date catalog specs/cut sheets for each fixture indicating that the lamping meets the BAR's criteria (a Color Temperature not to exceed 3,000K), staff will recommend approval.

In the absence of that information, staff recommends that this request be deferred.

Suggested Motion

Approval: Having considered the standards set forth within the City Code, including City Design Guidelines for Site Design and Elements, I move to find that the proposed lighting satisfies the BAR's criteria and is compatible with this property and other properties in the Corner ADC District, and that the BAR approves the application as submitted.

[.. as submitted with the following modifications…]

Denial: Having considered the standards set forth within the City Code, including City Design Guidelines for Site Design and Elements, I move to find that the proposed lighting does not satisfy the BAR's criteria and is not compatible with this property and other properties in the Corner ADC District, and for the following reasons the BAR denies the application as submitted.

Criteria, Standards, and Guidelines

Review Criteria Generally

Sec. 34-284(b) of the City Code states that, in considering a particular application the BAR shall approve the application unless it finds:

1) That the proposal does not meet specific standards set forth within this division or applicable provisions of the Design Guidelines established by the board pursuant to Sec. 34-288(6); and
2) The proposal is incompatible with the historic, cultural or architectural character of the district in which the property is located or the protected property that is the subject of the application.

Pertinent Standards for Review of Construction and Alterations include:

1) Whether the material, texture, color, height, scale, mass and placement of the proposed addition, modification or construction are visually and architecturally compatible with the site and the applicable design control district;
2) The harmony of the proposed change in terms of overall proportion and the size and placement of entrances, windows, awnings, exterior stairs and signs;
3) The Secretary of the Interior Standards for Rehabilitation set forth within the Code of Federal Regulations (36 C.F.R. §67.7(b)), as may be relevant;
4) The effect of the proposed change on the historic district neighborhood;
5) The impact of the proposed change on other protected features on the property, such as gardens, landscaping, fences, walls and walks;
6) Whether the proposed method of construction, renovation or restoration could have an adverse impact on the structure or site, or adjacent buildings or structures;
7) Any applicable provisions of the City's Design Guidelines.

Pertinent Guidelines for Site Design and Elements

D. Lighting

Charlottesville's residential areas have few examples of private site lighting. Most houses, including those used for commercial purposes, have attractive, often historically styled fixtures located on the house at various entry points. In the commercial areas, there is a wide variety of site lighting including large utilitarian lighting, floodlights and lights mounted on buildings. Charlottesville has a "Dark Sky" ordinance that requires full cutoff for lamps that emit 3,000 or more lumens. Within an ADC District, the BAR can impose limitations on lighting levels relative to the surrounding context.

1) In residential areas, use fixtures that are understated and compatible with the residential quality of the surrounding area and the building while providing subdued illumination.
2) Choose light levels that provide for adequate safety yet do not overly emphasize the site or building. Often, existing porch lights are sufficient.
3) In commercial areas, avoid lights that create a glare. High intensity commercial lighting fixtures must provide full cutoff.
4) Do not use numerous "crime" lights or bright floodlights to illuminate a building or site when surrounding lighting is subdued.
5) In the downtown and along West Main Street, consider special lighting of key landmarks and facades to provide a focal point in evening hours.
6) Encourage merchants to leave their display window lights on in the evening to provide extra illumination at the sidewalk level.
7) Consider motion-activated lighting for security.

CPY Series - Version A

CPY250® LED Canopy/Soffit Luminaire

CPY250-A-DM-F-20W-UL-WH-30K

Product Description

The CPY250® LED Canopy/Soffit Luminaire has an extremely thin profile constructed of rugged cast aluminum. It can be surface mounted easily from below the canopy deck and can be pendant mounted. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat or 0.91" (23mm) drop glass lens.

Applications: Petroleum canopies, CNG fueling stations, soffits

Performance Summary

Made in the U.S.A. of U.S. and imported parts

Initial Delivered Lumens: Up to 17,470

Efficacy: Up to 125 LPW

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) Standard

Limited Warranty†: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

IP66 Rated (Direct Mount only)

Class I, Division 2 Hazardous Location for select models

† See http://lighting.cree.com/warranty for warranty terms

ount

Flat Lens

Drop Lens

SEC-EDG-2S-WM-02-E-UL-BZ-350-30K
SEC-EDG-2S-WM-02-E-UL-BZ-525-30K

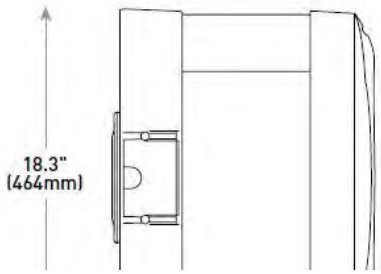
Cree Edge® Series

LED Security Wall Pack Luminaire

Rev. Date: V6 08/29/2019

Product Description

The Cree Edge® wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.
Applications: General area and security lighting



Performance Summary

- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

SEC-EDG		WM		E				
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
SEC-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2S** Type II Short **2SB** Type II Short w/BLS **3M** Type III Medium **3MB** Type III Medium w/BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**WM** Wall Mount	**02** **04** **06** **08** **10** **12**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **34** 347V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA -Available with 20-80 LEDs **700** 700mA -Available with 20-60 LEDs	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML option **P Photocell** - Must specify UL or 34 voltage **PML Programmable Multi-Level** - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire

ARE-EDG-4M-DA-04-E-UL-BZ-525-30K
ARE-EDG-5M-DA-06-E-UL-BZ-525-30K
ARE-EDG-4MB-DA-04-E-UL-BZ-700-30K
ARE-EDG-4MB-DA-06-E-UL-BZ-700-30K

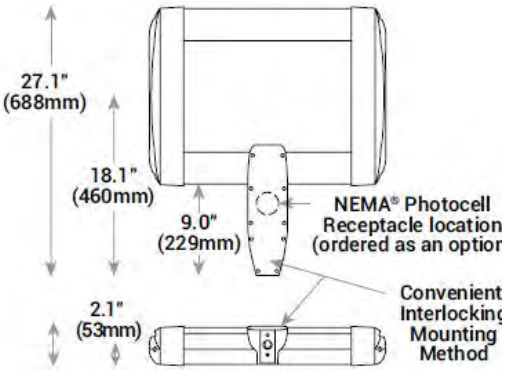
Cree Edge™ Series

LED Area/Flood Luminaire

Product Description

Slim, low profile design minimizes wind load requirements. Luminaire sides are rugged cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3–6" (76–152mm) square or round pole. Luminaire is secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers.
Applications: Auto dealerships, parking lots, campuses, facade lighting, and general site lighting

DA Mount



Performance Summary

- Utilizes BetaLED® Technology
- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- CRI: Minimum 70 CRI
- CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Example: ARE EDG 2M AA 12 E UL SV 700

					E				
Product	**Optic**			**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
ARE EDG	1S Type I Short 2M Type II Medium 2MB Type II Medium w/BLS 2MP Type II Medium w/Partial BLS 2S Type II Short	2SB Type II Short w/BLS 2SP Type II Short w/Partial BLS 3M Type III Medium 3MB Type III Medium w/BLS 3MP Type III Medium w/Partial BLS	4M Type IV Medium 4MB Type IV Medium w/BLS 4MP Type IV Medium w/Partial BLS 5M Type V Medium 5S Type V Short	AA Adjustable Arm DA Direct Arm DL Direct Long Arm R3 Spider, Center Tenon, 2-3/8" to 3" OD - Available with 40-240 LEDs R4 Spider, Center Direct, 4" Square - Available with 40-240 LEDs SA Side Arm - Available with 20-60 LEDs	02 04 06 08 10 12 14 16 20 24	E	UL Universal 120-277V UH Universal 347-480V 34 347V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	350 350mA 525 525mA - Available with 20-160 LEDs 700 700mA - Available with 20-60 LEDs	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - When code dictates fusing, use time delay fuse HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt P Photocell - Refer to ML spec sheet for availability with ML options - Must specify voltage UL or 34 R NEMA® Photocell Receptacle - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Intended for downlight applications with maximum 45° tilt - Photocell by others - Refer to ML spec sheet for availability with ML options - Available with UL voltage only PML Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight application at 0° tilt
FLD EDG	15 15° Flood 25 25°Flood	40 40° Flood 70 70°Flood	SN Sign N6 NEMA 6							

† See www.cree.com/lighting/products/warranty for warranty terms

VIRGINIA HISTORIC LANDMARKS COMMISSION
HISTORIC DISTRICT SURVEY FORM

File No. 104-~~138~~ 133-2
Negative no(s). 7296

Street address 1619 University Ave.
Town/City Charlottesville
Historic name
Common name Virginia National Bank

Material

- ☐ wood frame (siding: ☐ weatherboard, ☐ shingle, ☐ aluminum, ☐ bricktex, ☐ _____)
- ☐ brick (bond: ☐ Flemish, ☐ stretcher, ☐ ____-course American, ☐ _____)
- ☐ stone (☐ random rubble, ☐ random ashlar, ☐ coursed ashlar, ☐ _____)
- ☐ log (siding: ☐ weatherboard, ☐ shingle, ☐ aluminum, ☐ bricktex, ☐ _____)
- ☐ stucco
- ☐ concrete block
- ☐ enameled steel
- ☐ other: _____
- ☐ cast iron
- ☐ terra cotta
- glass and metal

Number of Stories

☐ 1 ☐ 2½
☐ 1½ ☐ 3
☐ 2 ☐ ____

Roof Type

☐ shed ☐ mansard
☐ gable ☐ gambrel
☐ pediment ☐ parapet
☐ hipped ☐ flat
☐ other: _____

Roof Material

☐ slate ☐ tile
☐ wood shingle ☐ pressed tin
☐ composition ☐ not visible
☐ standing seam metal
☐ other _____

Dormers

☐ 0 ☐ 3 ☐ shed ☐ hipped
☐ 1 ☐ 4 ☐ gable ☐ _____
☐ 2 ☐ ____ ☐ pedimented

Number of bays — Main facade

☐ 1 ☐ 4 ☐ 7
☐ 2 ☐ 5 ☐ 8
☐ 3 ☐ 6 ☐ ____

Porch

☐ yes ☐ no

Stories

☐ 1 ☐ 3
☐ 2 ☐ ____

Bays

1 (center) 2 ☐ 4
1 (side) 3 ☐ ____

General description

Building type

- ☐ detached house
- ☐ detached town house
- ☐ row house
- ☐ double house
- ☐ garage
- ☐ farmhouse
- ☐ apartment building
- ☐ gas station
- ☐ government
- ☐ commercial (office)
- ☐ commercial (store)
- ☐ railroad
- ☐ industrial
- ☐ school
- ☐ church
- ☐ _____

Style/period
Date
Architect/builder

Location and description of entrance

Miscellaneous descriptive information (plan, exterior and interior decoration, cornice/eave type, window type and trim, chimneys, additions, alterations)

Date 9-83 File No. 104-130
Name 1619 University Ave.
Town Charlottesville
County
Photographer
Contents 1 + 1

VIRGINIA
HISTORIC LANDMARKS COMMISSION
SURVEY FORM

File no. 104-70
Negative no(s). 5071 (38A)

Historic name
Common name Virginia National Bank
County/Town/City Albermarle / Charlottesville
Street address or route number 1619 University Ave.

USGS Quad Charlottesville West, Va
Date or period 1965
Original owner
Architect/builder/craftsmen
Original use
Present owner
Source of name
Present owner address
Source of date
Stories 1 story
Present use bank
Foundation and wall const'n
Acreage
Roof type hip roof

State condition of structure and environs good

State potential threats to structure
Note any archaeological interest

Should be investigated for possible register potential? yes ___ no X

Architectural description (Note significant features of plan, structural system and interior and exterior decoration, taking care to point out aspects not visible or clear from photographs. Explain nature and period of all alterations and additions. List any outbuildings and their approximate ages, cemeteries, etc.)

Brick (Flemish bond); 3 bays; full height octagonal porch at middle bay. Jeffersonian Revival. 2 entrances at either side of porch. All windows in centre bay are plate glass. Windows in side bays have 35 lights.

Interior inspected? no

Historical significance (Chain of title; individuals, families, events, etc., associated with the property.)

Form No. VHLC-01-004

Sources and bibliography
Published sources (Books, articles, etc., with bibliographic data.)

Primary sources (Manuscript documentary or graphic materials; give location.)

Names and addresses of persons interviewed

Plan (Indicate locations of rooms, doorways, windows, alterations, etc.)

Site plan (Locate and identify outbuildings, dependencies and significant topographical features.)

Name, address and title of recorder

B.L. Bosher Univ. of Va Grad. Student

Date

3-7-80

Date 3/2/96 File No. 104-133-33

Name Nations Bank, 1619 University Ave.

Town Charlottesville

County

Photographer S.C. Snead

Contents 3 exterior views

Board of Architectural Review (BAR)
Certificate of Appropriateness

Please Return To: City of Charlottesville
Department of Neighborhood Development Services
P.O. Box 911, City Hall
Charlottesville, Virginia 22902
Telephone (434) 970-3130

Five (5)
Please submit ~~ten (10)~~ hard copies and one (1) digital copy of application form and all attachments.
Please include application fee as follows: New construction project $375; Demolition of a contributing structure $375; Appeal of BAR decision $125; Additions and other projects requiring BAR approval $125; Administrative approval $100. Make checks payable to the City of Charlottesville.
The BAR meets the third Tuesday of the month.
Deadline for submittals is Tuesday 3 weeks prior to next BAR meeting by 3:30 p.m.

Owner Name SOVRAN BANK Applicant Name Brian Quinn - Milrose Consultants

Project Name/Description Bank of America - exterior lighting Parcel Number 090102000

Project Property Address 1619 University Avenue

Applicant Information

Address: 1175 Marlkress Rd., Unit 1060
Cherry Hill, NJ 08003
Email: bquinn@milrose.com
Phone: (W) _____ (C) 917-848-1032

Property Owner Information (if not applicant)

Address: SOVRAN BANK
101 N TRYON ST
Email: CHARLOTTE NC, 28255
Phone: (W) _____ (C) _____

Do you intend to apply for Federal or State Tax Credits for this project? No

Signature of Applicant

I hereby attest that the information I have provided is, to the best of my knowledge, correct.

Brian Quinn Digitally signed by Brian Quinn DN: cn=Brian Quinn, o=Milrose Consultants, ou, email=bquinn@milrose.com, c=US Date: 2020.08.11 14:59:46 -04'00' 8/11/20
Signature Date

Brian Quinn - Milrose Consultants 8/11/20
Print Name Date

Property Owner Permission (if not applicant)

I have read this application and hereby give my consent to its submission.

Sergio Emmanuel Merino Digitally signed by Sergio Emmanuel Merino Date: 2020.08.21 13:07:01 -04'00' 08/21/2020
Signature Date

Sergio Emmanuel Merino 08/21/2020
Print Name Date

Description of Proposed Work (attach separate narrative if necessary):
REPLACING, REMOVING AND ADDING LIGHT FIXTURES ALONG THE EXTERIOR OF THE EXISTING BANK BRANCH ONLY. THERE IS NO INTERIOR WORK BEING PERFORMED.

List All Attachments (see reverse side for submittal requirements):

For Office Use Only

Received by: _____
Fee paid: _____ Cash/Ck. # _____
Date Received: _____
Revised 2016

Approved/Disapproved by: _____
Date: _____
Conditions of approval: _____

HISTORIC DISTRICT ORDINANCE: You can review the *Historical Preservation and Architectural Design Control Overlay Districts* regulations in the City of Charlottesville Zoning Ordinance starting with Section 34-271 online at www.charlottesville.org or at Municode.com for the City of Charlottesville.

DESIGN REVIEW GUIDELINES: Please refer to the current *ADC Districts Design Guidelines* online at www.charlottesville.org.

SUBMITTAL REQUIREMENTS: The following information and exhibits shall be submitted along with each application for Certificate of Appropriateness, per *Sec. 34-282 (d)* in the City of Charlottesville Zoning Ordinance*:*

(1) Detailed and clear depictions of any proposed changes in the exterior features of the subject property;

(2) Photographs of the subject property and photographs of the buildings on contiguous properties;

(3) One set of samples to show the nature, texture and color of materials proposed;

(4) The history of an existing building or structure, if requested;

(5) For new construction and projects proposing expansion of the footprint of an existing building: a three-dimensional model (in physical or digital form);

(6) In the case of a demolition request where structural integrity is at issue, the applicant shall provide a structural evaluation and cost estimates for rehabilitation, prepared by a professional engineer, unless waived by the BAR.

APPEALS: Following a denial the applicant, the director of neighborhood development services, or any aggrieved person may appeal the decision to the city council, by filing a written notice of appeal within ten (10) working days of the date of the decision. Per Sec. 34-286. - City council appeals, an applicant shall set forth, in writing, the grounds for an appeal, including the procedure(s) or standard(s) alleged to have been violated or misapplied by the BAR, and/or any additional information, factors or opinions he or she deems relevant to the application.

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

August 24, 2020

Joey Winter
City Planner
City of Charlottesville
610 East Market Street
Charlottesville, VA 22902

Re: Bank of America 1619 University Avenue Administrative Site Plan Amendment
1st Submittal – June 16, 2020 – Response Letter

Thank you for reviewing the attached plans. Below are our responses to the comments dated June 26th, 2020.

Comment 1. As per City Code Sec. 34-1003(d), the spillover light from luminaires onto public roads and onto property within any low-density residential district shall not exceed one-half (½) foot candle. There is too much spillover in areas along the northern and eastern borders of the property
Response: Lighting plan has been updated along the northern and eastern borders of the property to prevent a spillover greater than one-half foot-candle.

- **List of Electrical Revisions;**
  - Updated to lower number of fixtures on and around building.
  - Updated fixture strengths to lower lighting around building.
  - E01.01 updated per new lighting fixture schedule on E03.01.
  - E02.01 updated per new lighting fixture schedule on E03.01.
  - E03.01 updated lighting fixtures.
    - All fixture color has been updated to 30k.
    - AG1 updated to UAW1 (Double to single fixture arrangement, lower wattage).
    - AG2 updated to UAB1 (lower wattage).
    - AJ1 updated to UAX1 (Triple to single fixture arrangement, lower wattage).
    - AR1 updated to UAN1 (Double to single fixture arrangement, lower wattage).
    - AR2 Removed from plan (Pole fixture by main road).
  - E04.01 Photometric plan has been updated per new fixtures.

Included in this submission package are the following items:
- Comment Response Letter
- Electronic Revisions

If you have any questions or concerns, please do not hesitate to contact me at (703) 908-4535.

Sincerely,

Ryan McGrath, AIA
Little Diversified Architectural Consulting

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

August 24, 2020

Jeff Werner, AICP
Design Planner
City of Charlottesville
610 East Market Street
Charlottesville, VA 22902

Re: Bank of America 1619 University Avenue Administrative Site Plan Amendment
1st Submittal – June 16, 2020 – Response Letter

Thank you for reviewing the attached plans. Below are our responses to the comments dated June 26th, 2020.

Comment 1. This site is within The Corner ADC District and the proposed work will require a design review Certificate of Appropriateness (CoA) from the Board Architectural Review (BAR).
Response: We will be submitting to the BAR to obtain a certificate of Appropriateness.

Comment 2. I have reviewed the cut sheets provided for the new lighting fixtures and all have lamping that exceeds a Color Temperature of 4,000K, which exceeds the 3,000K maximum that the BAR will require. Also, the City Code requires that all exterior fixtures be full cut off, which is not stated in the specs for the proposed fixtures. To address bright lights and unwanted glare within the City's ADC Districts, the BAR can impose limitations on lighting levels. From this, the BAR has established a standard requiring that the light emitted from a lamp be dimmable and not exceed a Color Temperature of 3,000K.
Response: Lighting fixtures have been updated to 3,000k Color Temperature. Fixtures included are LED emitting that do not project upwards into the sky and prevent glare.

- **List of Electrical Revisions;**
  - Updated to lower number of fixtures on and around building.
  - Updated fixture strengths to lower lighting around building.
  - E01.01 updated per new lighting fixture schedule on E03.01.
  - E02.01 updated per new lighting fixture schedule on E03.01.
  - E03.01 updated lighting fixtures.
    - All fixture color has been updated to 30k.
    - AG1 updated to UAW1 (Double to single fixture arrangement, lower wattage).
    - AG2 updated to UAB1 (lower wattage).
    - AJ1 updated to UAX1 (Triple to single fixture arrangement, lower wattage).
    - AR1 updated to UAN1 (Double to single fixture arrangement, lower wattage).
    - AR2 Removed from plan (Pole fixture by main road).
  - E04.01 Photometric plan has been updated per new fixtures.

Included in this submission package are the following items:
- Comment Response Letter
- Electronic Revisions

If you have any questions or concerns, please do not hesitate to contact me at (703) 908-4535.

Sincerely,

Ryan McGrath, AIA
Little Diversified Architectural Consulting
August 11, 2020

BUILDING CODE SUMMARY

Name of Project: Bank of America University
Address: 1619 University Avenue, Charlottesville, VA
Proposed Use: Existing Bank Branch
Owner or Authorized Agent: (CBRE) Sergio Merino — Phone # 703.302.2529
Owned By: ☐ City/County ■ Private ☐ State
Code Enforcement Jurisdiction: ■ City Charlottesville ☐ County ☐ State VA

PROJECT SUMMARY

Building description: Existing Bank branch receiving ELP Renovations

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE #	PHONE #	E-MAIL
Architectural	LITTLE	Ryan McGrath	0401016494	703.908.4535	rmcgrath@littleonline.com
Civil					
Electrical	LITTLE	Stephen Robey	0402049826	704.561.3241	stephen.robey@littleonline.com
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler-Standpipe					
Structural	LITTLE	Eddie Chang	0402060473	703.908.4535	Edward.Chang@littleonline.com

APPLICABLE CODES:

2015 Virginia Construction Code (IBC) | USBC, Part I
2015 Virginia Energy Conservation Code
(with ASHRAE 90.1-2004)
2015 Virginia Mechanical Code (IMC)
2015 Virginia Plumbing Code (IPC)
2015 Virginia Fuel Gas Code (IFGC)
2014 National Electrical Code
2009 ANSI A117.1 (ADA)

☐ New Construction ☐ Addition ☐ Upfit ■ Renovation (Existing Bldg.) ☐ Repair ☐ Alteration ☐ Reconstruction

PROJECT INFORMATION

PROJECT ADDRESS:	1619 University Avenue
PROJECT TYPE:	BANK OF AMERICA – EXISTING BRANCH
PROJECT DESCRIPTION:	ELP RENOVATIONS
BUILDING DATA	
USE GROUP:	B – BUSINESS
APPROXIMATE GROSS AREA PER FLOOR:	4,003 SF
AREA OF WORK:	EXTERIOR LIGHTING ONLY
AUTOMATIC SPRINKLER SYSTEM:	NO

HANDICAPPED ACCESSIBILITY STATUS: ACCESSIBLE AT AFFECTED AREA

EGRESS
OCCUPANCY LOAD (100 SF/PERSON): 41 PERSONS

SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES ONLY THAT WORK ASSOCIATED WITH REPLACING, REMOVING AND ADDING LIGHT FIXTURES ALONG THE EXTERIOR OF THE EXISTING BANK BRANCH ONLY. THERE IS NO INTERIOR WORK BEING PERFORMED.

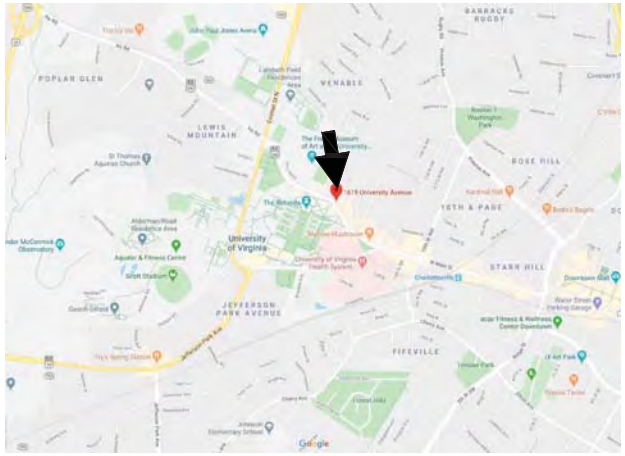
Bank of America

University ELP Renovation

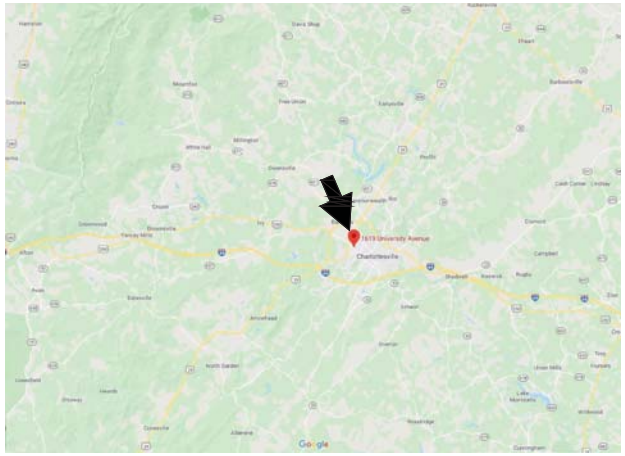
BULLETIN: XX/DDXX
LITTLE PROJECT #: 223.13649.00

1619 University Avenue Charlottesville, VA

LOCATION MAP



VICINITY MAP



Facility Partner
CBRE - (MD)
3401 Columbia Pike, Ste 301
Arlington, VA 22204
703.302.2526

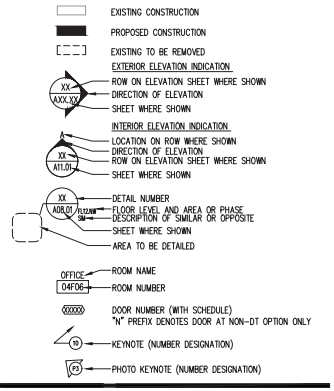
Architect
LITTLE
4245 Fairfax Drive, Suite 650
Arlington, VA 22203
703.908.4535

Electrical
LITTLE
4245 Fairfax Drive, Suite 650
Arlington, VA 22203
571.257.4063

Structural
LITTLE
4245 Fairfax Drive, Suite 650
Arlington, VA 22203
703.908.4505

DRAWING INDEX

GRAPHIC SYMBOLS



Bank of America
University
ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 650 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

	Issue	Date & Issue Description	By	Check
	01	02/17/2020 OWNER'S REVIEW SUBMISSION		
	02	03/27/2020 PERMIT SUBMISSION		
1	03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

Digitally signed by Ryan M McGrath
DN: CN=Ryan M McGrath, OU=A20161C000017UCAD0B90A0000D357, O=Unaffiliated, C=US
Date: 2020.08.24 22:39:16-04'00'

Project Name
BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

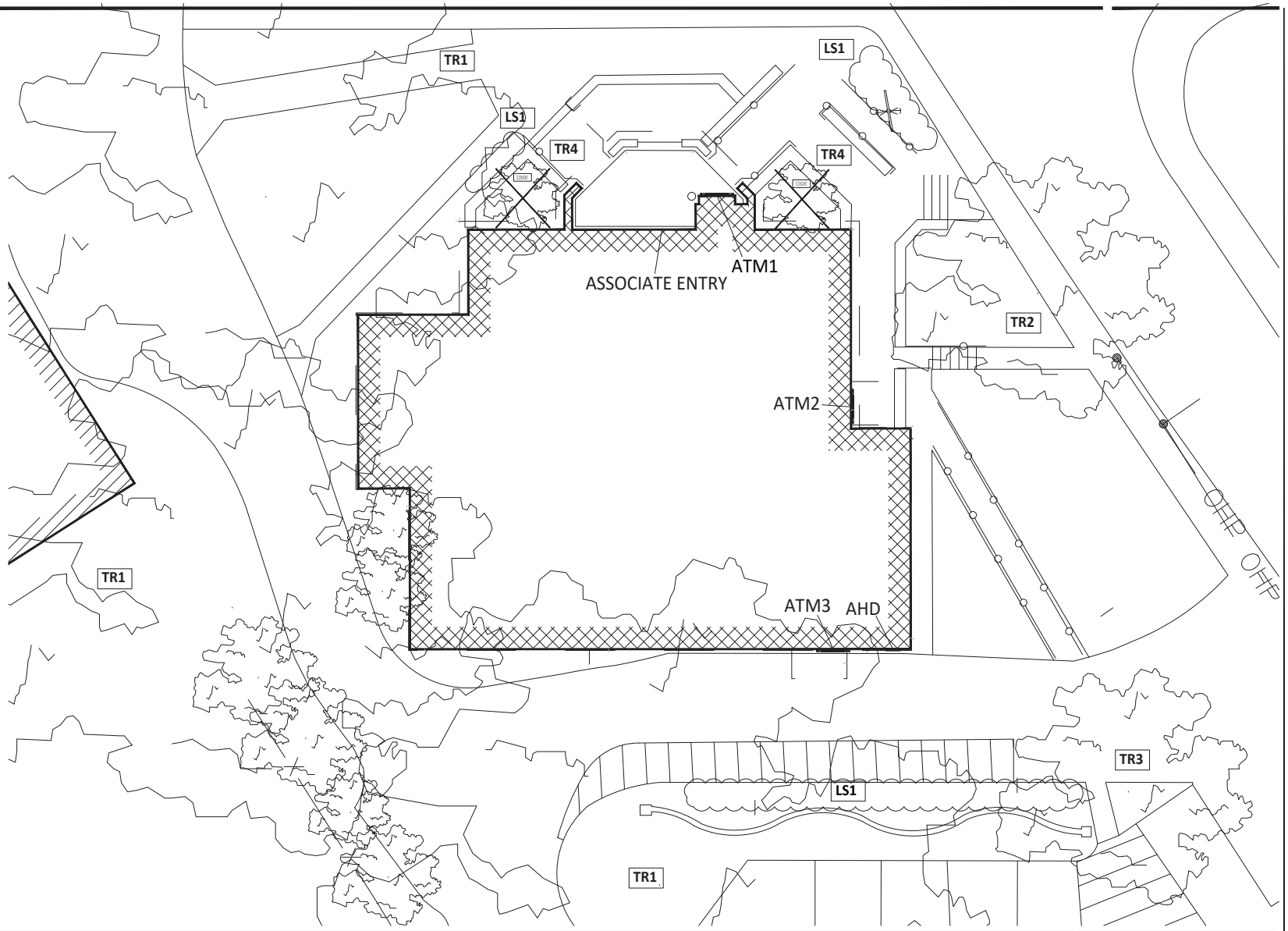
PROTOTYPE LAYOUT

CAD File Name

Description
DRAWING INDEX, LOCATION MAP
& PROJECT INFORMATION

Scale

A00.00



KEY NOTES

LANDSCAPE SCHEDULE CM = CRAPE MYRTLE UNK = UNKNOWN		
SYMBOL	QTY	NOTES
TR1	3	TRIM TREE UP TO 15' AND AWAY FROM LIGHT FIXTURE TO ENSURE THAT IT DOES NOT INTERFERE WITH INTENDED ILLUMINATION
TR2	1	TRIM TREE UP TO 10' AND THIN OUT TREE CANOPY
TR3	1	TRIM TREE UP TO 11' AND AWAY FROM LIGHT FIXTURE TO ENSURE THAT IT DOES NOT INTERFERE WITH INTENDED ILLUMINATION
TR4	2	REMOVE TREE
LS1	-	TRIM LANDSCAPING DOWN TO 36"

SHEET NOTES

A. EXISTING PLAN IS FOR REFERENCE ONLY. FIELD VERIFY EXISTING CONDITIONS.

B. G.C. TO VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.

LANDSCAPING PLAN

SCALE: N.T.S.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4295 North Fairfax Drive Suite 600 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

Issue	Date & Issue Description	By	Check
01	02/17/2020 OWNER'S REVIEW SUBMISSION		
02	03/27/2020 PERMIT SUBMISSION		
03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

Digitally signed by Ryan M McGrath
DN: CN=Ryan M McGrath, OU=A01410C000017DCAD0890A0000D357, OU=Unaffiliated, C=US
Date: 2020.08.24 14:44:04 -04'00'

Project Name
BANK OF AMERICA - UNIVERSITY ELP
223-13649-00

PROTOTYPE LAYOUT

CAD File Name

Description
LANDSCAPING PLAN

Scale NOT TO SCALE

A03.01

ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN, AND ALL INCIDENTALS NECESSARY TO PROVIDE COMPLETE AND OPERABLE ELECTRICAL SYSTEMS AS DETAILED ON PLANS. AND DESCRIBED HEREIN, TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. ALL WORK SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR LICENSED IN VIRGINIA, WHO HAS PREVIOUSLY PERFORMED WORK OF THIS SIZE AND TYPE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES IN THE PLANS AND SPECIFICATIONS THAT WILL AFFECT THE WORK, PRIOR TO SUBMISSION OF THE PRICE.

THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING;

1. INTERNATIONAL BUILDING CODE (IBC) - LATEST ADOPTED ISSUE
2. NATIONAL ELECTRICAL CODE (NFPA 70) - LATEST ADOPTED ISSUE
3. IECC / ASHRAE 90.1 - LATEST ADOPTED ISSUE WHICH APPLIES
5. REGULATIONS SET FORTH BY THE LOCAL AUTHORITY HAVING JURISDICTION

THE FOLLOWING DIVISIONS AND SECTIONS OF SPECIFICATIONS SHALL BE CAREFULLY FOLLOWED, ALONG WITH ADDITIONAL DESCRIPTIONS OF THE WORK IDENTIFIED ON THE PLANS.

1. SECTION 26 05 00 - WIRING AND GROUNDING

DIVISION 26 - ELECTRICAL GENERAL REQUIREMENTS

MATERIALS: MATERIALS SHALL BE NEW AND UNUSED, FREE FROM DEFECTS, AND LISTED ACCORDINGLY BY UL, ASTM, ANSI, ETL, NEMA, OR OTHERWISE AS BY SYSTEM TYPE AND APPLICABLE STANDARDS. QUALITY OF MATERIALS UTILIZED SHALL BE ESTABLISHED BY THE DRAWINGS AND SPECIFICATIONS, AND RECOGNIZED IN THEIR RESPECTIVE INDUSTRY AS SPECIFICATION OR COMMERCIAL GRADE.

SHOP DRAWINGS: WHERE THE CONTRACTOR PROPOSES USE OF ALTERNATE EQUIPMENT, LIGHT FIXTURES, DEVICES OR MAJOR MATERIALS, A FULL SHOP DRAWING INCLUDING SUPPLIER DETAILS AND PRODUCT INFORMATION, WITH SPECIFIC QUANTITIES, OPTIONS AND ACCESSORIES IDENTIFIED FOR THE SAME, SHALL BE SUBMITTED FOR ENGINEER APPROVAL. IF MORE THAN THREE (3) ENGINEER REVIEWS ARE REQUIRED FOR ANY ONE SECTION OF ITEMS, ADDITIONAL REVIEWS SHALL BE AT THE EXPENSE OF THE CONTRACTOR. ENGINEER APPROVAL OF ANY PROPOSED EQUIPMENT, LIGHT FIXTURES, DEVICES AND MAJOR MATERIALS SHALL BE OBTAINED BEFORE THESE ARE ORDERED, FABRICATED OR INSTALLED.

WARRANTY: ALL WORK SHALL BE WARRANTED TO BE FREE FROM DEFECTS IN QUALITY AND INSTALLED WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. REPLACEMENT OR REPAIR OF ANY DEFECTIVE MATERIALS, EQUIPMENT AND SYSTEMS DURING THE ONE YEAR PERIOD SHALL BE AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER. COMPLETE OWNER'S MANUALS AND AS-BUILTS FOR ALL SYSTEMS SHALL BE PROVIDED TO THE OWNER AFTER ACCEPTANCE OF THE WORK AND TRAINING ON THE SYSTEMS IS COMPLETE.

PERMITS AND FEES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS, AND PAYING THE RELATED FEES, WHICH ARE NECESSARY TO COMPLETING THE WORK.

TESTING AND TRAINING: THE CONTRACTOR SHALL ENSURE ALL EQUIPMENT AND SYSTEMS ARE PROPERLY TESTED TO CONFIRM SAFE AND EFFECTIVE OPERATION. THE OWNER SHALL RESERVE THE RIGHT TO OBSERVE THE TESTING OF ANY ELECTRICAL ITEMS OR SYSTEMS, AND SHALL RECEIVE SUFFICIENT TRAINING AS APPROPRIATE FOR EACH.

LABELING AND IDENTIFICATION: ALL PANELBOARDS, DISCONNECTS, AND MOTOR STARTERS SHALL BE LABELED WITH ENGRAVED NAMEPLATES HAVING NAME, AND CIRCUIT NUMBER FROM WHICH EQUIPMENT IS SERVED. STENCIL CIRCUIT NUMBERS ON ALL CONDUITS AT JUNCTION BOXES, AND PAINT FIRE ALARM SYSTEM BOXES RED. ALL MAJOR EQUIPMENT CABINETS SHALL HAVE THE NAME AND INFORMATION OF THE LOCAL INSTALLING COMPANY SO THAT THE OWNER MAY CONTACT THEM FOR FUTURE SERVICE AND MAINTENANCE.

SECTION 26 05 00 - WIRING AND GROUNDING

THE OPERATING CHARACTERISTICS OF THE BUILDING ELECTRICAL SYSTEM IS 120/208VOLTS, 3PHASE, 4WIRE, 60HZ.

PROVIDE AND INSTALL A COMPLETE SYSTEM OF GROUNDING CONDUCTORS AND BONDS, ELECTRODES AND ACCESSORIES TO EFFECTIVELY AND PERMANENTLY GROUND THE ELECTRICAL SYSTEM AND BUILDING STRUCTURE IN ACCORDANCE WITH THE NEC. SPECIFICALLY ENSURE THE NON-CURRENT CARRYING METALLIC PORTIONS OF ELECTRICAL EQUIPMENT, CABINETS, RACEWAYS, BOXES, FIXTURES AND DEVICES ARE PROPERLY GROUNDED IN ACCORDANCE WITH THE NEC.

RACEWAYS: ALL ELECTRICAL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 3/4", WITH TYPE AS REQUIRED BY THE ENVIRONMENT AND PER THE NEC. FINAL CONNECTIONS TO LIGHT FIXTURES AND EQUIPMENT SUBJECT TO MOVEMENT SHALL BE FLEXIBLE METAL CONDUIT (LIQUIDTIGHT WHERE EXPOSED TO MOISTURE). ALL EXTERIOR CONDUITS ABOVE GRADE SHALL BE GRS, WITH SCHEDULE 40 PVC PERMITTED BELOW GRADE. EXPOSED CONDUIT 4 FT, HIGH AND LESS ABOVE FINISHED FLOOR, EXTENDING BELOW FROM ELECTRICAL EQUIPMENT ENCLOSURES AND DEVICE BOXES, SHALL BE RIGID CONDUIT WHERE SUBJECT TO DAMAGE, UNLESS OTHERWISE NOTED. CONDUIT CONNECTORS SHALL BE DOUBLE LOCKNUT TYPE, UL LISTED AND LABELED, WITH COMPRESSION OR SET SCREW FITTINGS. CONCEALED CONDUIT IN WALL PARTITIONS SHALL BE EMT. RACEWAYS INSTALLED FOR OTHER TRADES, OR DESIGNATED FOR FUTURE USE, SHALL HAVE NYLON PULL STRINGS INSTALLED. PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION SHALL BE SEALED BY UL-APPROVED METHODS USING FIRE-RATED ASSEMBLIES AND UL-LISTED SEALING MATERIALS.

CONDUCTORS: ALL WIRING SHALL BE COPPER, UNLESS INDICATED OTHERWISE OR SPECIFICALLY PERMITTED IN WRITING BY THE ENGINEER. CONDUCTORS SHALL BE TYPE THWN, OR THHN, INSULATED FOR 600V, AND BE MINIMUM SIZE #12 AWG. CONDUCTOR SIZES #12 AND #10 SHALL BE SOLID, AND SIZE #8 OR LARGER SHALL BE STRANDED. UNDERGROUND WIRING SHALL BE XHHW TYPE. FOR 20 AMP CIRCUITS THE FOLLOWING CONDUCTOR SIZES SHALL BE USED TO LIMIT VOLTAGE DROP FOR THE INDICATED LENGTHS OF CIRCUITS: #12 - 0 TO 100', #10 - 101' TO 250', #8 - 251' TO 500', #6 - 501' AND ABOVE.
THE COLOR CODING OF PHASE WIRING SHALL BE AS FOLLOWS FOR 120/208V CIRCUITS*: PHASE A - BLACK
PHASE B - RED
PHASE C - BLUE

BOXES: BOXES SHALL BE SIZED PER NEC AND LISTED FOR THEIR INTENDED USE. BOXES SHALL BE ONE-PIECE CONSTRUCTION, WITH KNOCKOUTS AS REQUIRED, WITH INSTALLED PLATE TO MATCH THE SURROUNDING FINISH COLOR AND TYPE. CEILING BOXES SHALL HAVE ADJUSTABLE BAR HANGERS AND BE RATED FOR THE LOAD. UNDERGROUND AND SPECIALIZED FLOOR BOXES SHALL BE AS INDICATED ON THE DRAWINGS.

EQUIPMENT CONNECTIONS: THE CONTRACTOR SHALL PROVIDE ALL REQUIRED BOXES, CONDUIT, WIRING AND SUPPORTS TO MAKE FINAL CONNECTIONS FROM THE ELECTRICAL SYSTEM TO EQUIPMENT PROVIDED BY OTHER TRADES. MOTOR CONTROL AND/OR DISCONNECTING MEANS SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR ACCORDING TO THESE SPECIFICATIONS AND AS INDICATED ON THE DRAWINGS. WHERE MECHANICAL EQUIPMENT CONTROLS ARE PROVIDED AND INSTALLED BY OTHERS, PROVIDE DEDICATED 120V RECEPTACLE, OR DIRECT CONNECTION TO MECHANICAL CONTROL CABINET. WHERE CONTROL BOXES OR MOD'S ARE 24 VOLTS, PROVIDE CONTROL TRANSFORMER WITH 120V CIRCUIT.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

A	AMPERES
AC	ALTERNATING CURRENT OR ABOVE COUNTER
A/E	ARCHITECT/ENGINEER
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTES, INC.
AT	AMPERE TRIP
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BARE COPPER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLAST MANUFACTURERS
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA RATING
CFL	COMPACT FLUORESCENT
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DIRECT BURIAL
dBA	DECIBEL LEVEL
DC	DIRECT CURRENT
DISP	GARBAGE DISPOSAL
DN	DOWN
DWG	DRAWING
E.C.	ELECTRICAL CONTRACTOR
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
ELBU	EMERGENCY LIGHTING BATTERY UNIT
EM	EMERGENCY
EMR	EQUIPMENT MANUFACTURER REQUIREMENT
EMT	ELECTRIC METALLIC TUBING
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FUSE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDAS	FIRE DETECTION ALARM SYSTEM
FLUOR	FLUORESCENT
FPVAV	FAN POWERED VARIABLE AIR VOLUME BOX
GC	GENERAL CONTRACTOR
GF,GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFR	GROUND FAULT RELAY
G, GND	GROUND
HH	HANDHOLE
HOA	HAND OFF AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KW	KILOWATT
KV	KILO VOLT
KVA	KILO VOLT-AMPERE
L	LOCKING
LCP	LIGHTING CONTROL PANEL
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MLO	MAIN LUGS ONLY
MH	MANHOLE
MSP	MOTOR STARTER PANEL
MT	MOUNT
MTS	MANUAL TRANSFER SWITCH
MHT	MOUNTING HEIGHT
MV	MEDIUM VOLTAGE
MW	MICROWAVE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PB	PULLBOX
PH	PHASE
P	POLE
PNL	PANELBOARD
PT	POTENTIAL TRANSFORMER
PWR	POWER
Q	QUARTS RESTRIKE LAMP
R	RACEWAY
REC	RECEPTACLE
RECEPT	
REF	REFRIGERATOR
REL	RELOCATE EXISTING
REX	REMOVE EXISTING
RMC	RIGID METAL CONDUIT
RS	RAPID START
RV	REMOVE EXISTING
SA	SURGE ARRESTOR
SN	SOLID NEUTRAL
SPD	SURGE PROTECTION DEVICE
SS	SAFETY SWITCH
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TEL	TELEPHONE
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UC	UNDER COUNTER
UH	UNIT HEATER
UL	UNDERWRITERS' LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VP	VAPOR PROOF
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATTS
WAP	WIRELESS ACCESS POINT
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL NOTES

1. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS EXCEPT WHERE DIMENSIONS ARE SHOWN.
2. CONTRACTOR TO CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.
3. ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL STRING OR FISH TAPE.
4. CONTRACTOR SHALL INCREASE WIRE SIZE AS REQUIRED TO MAINTAIN A 5-PERCENT WORST CASE VOLTAGE DROP, FROM SERVICE ENTRANCE TO FURTHEST DEVICE.
5. POWER RATINGS INDICATED ON DRAWINGS MAY DIFFER FROM THE ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
6. ALL PANELBOARDS SHALL BE FURNISHED WITH A REVISED TYPED CIRCUIT DIRECTORY CARD WITH THE EQUIPMENT AND SPACE SERVED PROPERLY DESIGNATED. INDICATE ALL REVISED AND NEW CIRCUIT DESCRIPTIONS.
7. CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CONDITIONS OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED, PRIOR TO SUBMITTING PRICING. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, BEFORE BEGINNING WORK.
8. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER.
9. EXISTING BOXES, CONDUIT, AND WIRING SHALL BE REUSED TO FURTHEST EXTENT PRACTICAL. SUPPLEMENT WHERE NEEDED.
10. WHERE EXISTING CIRCUITS ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR FIXTURES, PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH EXISTING.
11. EXISTING CIRCUITING SHALL BE FIELD VERIFIED AND ADJUSTMENTS SHALL BE MADE, IF NECESSARY, TO THE CIRCUITING SHOWN ON THE PLANS AS REQUIRED BY FIELD CONDITIONS.
12. WHERE ELECTRICAL WORK PENETRATES EXISTING FIRE-RATED BARRIERS (WALLS, FLOORS, AND CEILINGS), SEAL OPENING AROUND ELECTRICAL WORK WITH U.L. LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING OF THE BARRIER.

GENERAL NOTES (RENOVATION)

1. CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CONDITIONS OF THE PREMISES AND THE CHARACTER AND EXTENT OF WORK REQUIRED, PRIOR TO SUBMITTING PRICING. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, BEFORE BEGINNING WORK.
2. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER.
3. EXISTING BOXES, CONDUIT, AND WIRING SHALL BE REUSED TO FURTHEST EXTENT PRACTICAL. SUPPLEMENT WHERE NEEDED.
4. WHERE EXISTING CIRCUITS ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR FIXTURES, PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH EXISTING.
5. EXISTING CIRCUITING SHALL BE FIELD VERIFIED AND ADJUSTMENTS SHALL BE MADE, IF NECESSARY, TO THE CIRCUITING SHOWN ON THE PLANS AS REQUIRED BY FIELD CONDITIONS.
6. WHERE ELECTRICAL WORK PENETRATES EXISTING FIRE-RATED BARRIERS (WALLS, FLOORS, AND CEILINGS), SEAL OPENING AROUND ELECTRICAL WORK WITH U.L. LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING OF THE BARRIER.

GENERAL NOTES (DEMOLITION)

1. REMOVE ALL EXISTING FIXTURES, WIRING DEVICES, ELECTRICAL EQUIPMENT AND BRANCH CIRCUIT WIRING, AS REQUIRED BY THE DEMOLITION WORK IN THE AREA. REMOVE WIRING BACK TO THE NEAREST POINT OF USAGE (SOURCE OF VOLTAGE). FOR ITEMS TO BE REMOVED, REMOVE THE ENTIRE ELECTRICAL INSTALLATION, INCLUDING ALL ASSOCIATED CONDUIT, JUNCTION BOXES, WIRING AND FITTINGS, INCLUDING CABLING AND SUPPORTS, SURFACE RACEWAY, ETC. REUSE EXISTING BOXES AND CONDUIT WHERE PRACTICAL. ALL CONDUIT NOT TO BE REUSED SHALL BE REMOVED.
2. WHERE EXISTING FIXTURES, WIRING DEVICES, AND ELECTRICAL EQUIPMENT ARE REMOVED, RECONNECT CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO OUTLETS REMAINING ON THE CIRCUIT WITHIN OCCUPIED SPACES.
3. WHERE REQUIRED BY NEW CONSTRUCTION, PROVIDE EXTENSION RINGS, COVERPLATES, OR ACCESS PLATES AS REQUIRED TO MAINTAIN ACCESS TO EXISTING WIRING.
4. FIELD VERIFY LOCATIONS OF EXISTING OUTLETS. WHERE NEW CONSTRUCTION CONFLICTS WITH EXISTING OUTLETS, REMOVE WIRING DEVICES OR RELOCATE FIXTURES AS REQUIRED.
5. WHERE EXISTING WIRING DEVICES ARE REMOVED AND JUNCTION BOXES ARE NOT REUSED, PROVIDE BLANK COVERPLATES.
6. WHERE EXISTING CIRCUITS ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR FIXTURES, PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH.
7. PROVIDE CUTTING AND PATCHING AS REQUIRED VERIFY EXTENT OF NEW AND EXISTING PARTITIONS WITH ARCHITECTURAL DRAWINGS.
8. EXISTING CIRCUITING SHALL BE FIELD VERIFIED AND ADJUSTMENTS SHALL BE MADE IF NECESSARY TO THE CIRCUITING SHOWN ON THE PLANS, AS REQUIRED BY FIELD CONDITIONS.

CONTROLS AND ADDITIONAL NOTES

LIGHTING CONTROL NOTES:

THE CONTRACTOR SHALL VERIFY THE CONTROLS FOR ALL EXTERIOR LIGHTING AND ATM/AHD INTERIOR LOBBIES ON THE SITE (EXCLUDING SIGNAGE) AND ADJUST ACCORDING TO THE FOLLOWING:

- IC3 CONTROL

  CONTRACTOR SHALL VERIFY THAT EXTERIOR LIGHTING CIRCUITS ARE CONTROLLED BY THE CORRECT IC3 CIRCUIT. WHERE EXTERIOR LIGHTING IS INCLUDED ON CONTROL CIRCUITS FOR INTERIOR SYSTEMS, INTERIOR LIGHTING, OR EXTERIOR SIGNAGE, CONTRACTOR SHALL ADJUST EXTERIOR LIGHTING TO THE CORRECT CONTROL CIRCUIT AS REQUIRED.
- PHOTOCELL CONTROL:

  CONTRACTOR SHALL REPLACE EXISTING PHOTOCELLS WITH NEW AND INSTALL IN A LOCATION BEST SUITED TO PROVIDE APPROPRIATE LIGHT EXPOSURE SUCH THAT EXTERIOR LIGHTS ARE ON DURING DARKNESS.
- TIME CLOCK CONTROL:

  CONTRACTOR SHALL VERIFY LOCATION OF TIME CLOCK. IF TIME CLOCK IS IN ELECTRICAL ROOM ALONG WITH IC3 CONTROLS, CONTRACTOR SHALL ADJUST CIRCUIT TO BE CONTROLLED BY IC3 EXTERIOR LIGHTING CONTROLS. IF TIME CLOCK IS IN A REMOTE LOCATION NOT IN CLOSE PROXIMITY TO THE IC3 CONTROLS, CONTRACTOR SHALL VERIFY TIME CLOCK IS SET PROPERLY AND LEAVE CIRCUIT ON TIME CLOCK CONTROL.
- MANUAL CONTROL:

  CONTRACTOR SHALL VERIFY THAT NO EXTERIOR LIGHTING IS CONTROLLED MANUALLY. IF ANY EXTERIOR LIGHTING IS ON A MANUALLY CONTROLLED CIRCUIT, CONTRACTOR SHALL ADJUST TO BE CONTROLLED BY PHOTOCELL OR IC3, WHICHEVER IS MOST ECONOMICALLY ACCOMPLISHED.

ADDITIONAL CONTRACTOR NOTES:

CONSTRUCTION COMPLETION VERIFICATION

UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROVIDE VERIFICATION IN WRITING TO THE BANK OF AMERICA PJM THAT ALL WORK IS COMPLETE ACCORDING TO THE CONSTRUCTION DOCUMENTS, AND THAT ALL EXTERIOR LIGHTING IS FUNCTIONING DURING NIGHTTIME HOURS. COMPLETION PHOTOS, TAKEN AT NIGHT, SHALL BE PROVIDED IN THE FOLLOWING FORMAT:

PROVIDE A SINGLE DOCUMENT CONTAINING THE FOLLOWING:

- SITE PHOTOS FROM ALL SIDES OF BUILDING
- MINIMUM OF 3 PHOTOS OF EACH COMPLIANCE AREA (ATM(S), AFTER-HOUR DEPOSITORIES, ASSOCIATE ENTRY) FROM DIFFERENT ANGLES
- MINIMUM OF 2 PHOTOS OF ALL NON-COMPLIANCE AREAS FROM DIFFERENT ANGLES

FIXTURE CLARIFICATION NOTES:

1. OUT OF SCOPE - EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE.
2. REMOVE AND PATCH - EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY CONTRACTOR.
3. REPLACE EXISTING FIXTURE - EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. CONTRACTOR TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY CONTRACTOR.
4. ADD NEW FIXTURE - NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY CONTRACTOR.
5. CONTRACTOR IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
6. CONTRACTOR TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
7. CONTRACTOR TO VERIFY POLE COLOR AND TYPE PRIOR TO ORDERING.
8. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. CONTRACTOR TO CONFIRM PRIOR TO ORDERING.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
420 North Fairfax Drive, Suite 650, Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

Issue	Date & Issue Description	By	Check
01	02/17/2020 OWNER'S REVIEW SUBMISSION		
02	03/27/2020 PERMIT SUBMISSION		
03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
STEPHEN EDWARD ROBEY
Lic. No. 049826
ENGINEER

Project Name

BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

PROTOTYPE LAYOUT

CAD File Name

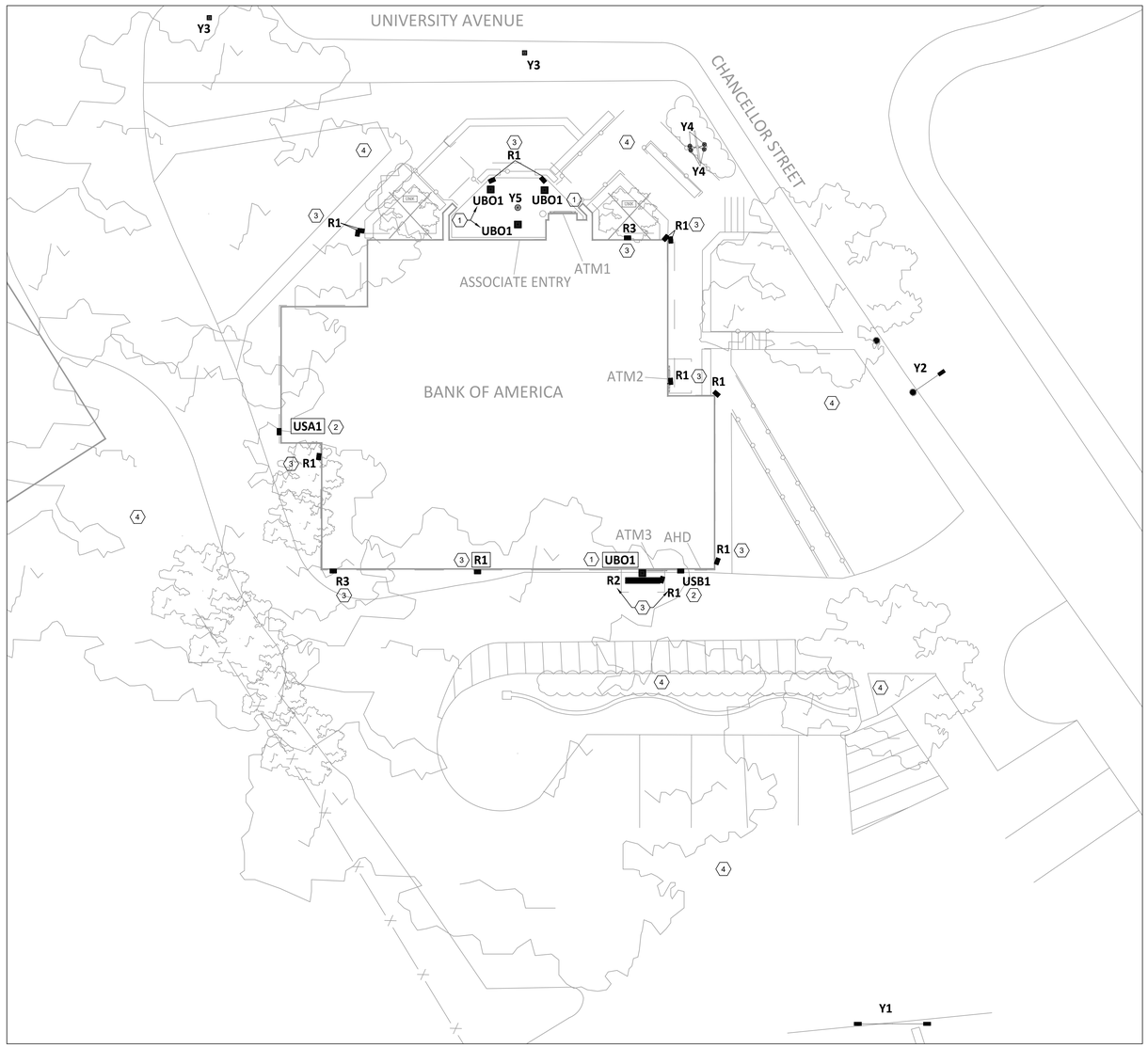
Description

ELECTRICAL COVER SHEET

Scale

NONE

E00.01



1 E01.01 ELECTRICAL SITE PLAN - DEMOLITION
1" = 10'-0"

1 *SEE UPDATED LIGHTING FIXTURE SCHEDULE ON E03.01.

GENERAL DEMOLITION NOTES:

A. SEE SHEET E00.01 FOR PROJECT DETAILS AND SPECIFICATIONS. ALL NOTES ON SHEET E00.01 SHALL APPLY TO THIS DRAWING.

B. SEE SHEET E03.01 FOR RISER DIAGRAM, PANEL AND FIXTURE SCHEDULES.

C. SEE GMR DRAWINGS FOR FINAL LIGHTING FIXTURE LAYOUT, DETAILS, AND NOTES.

D. UNLESS SPECIFICALLY INDICATED OTHERWISE, ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, DEVICES, FEEDERS, AND BRANCH CIRCUIT WIRING INDICATED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIREITY BACK TO THE SOURCE OR TO THE NEXT ACTIVE FIXTURE TO REMAIN.

E. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SHOW INTENT OF DEMOLITION WORK TO BE DONE. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING INSTALLATION.

F. ITEMS OUTSIDE THE SCOPE OF WORK ARE EXISTING TO REMAIN AND SHALL REMAIN ACTIVE THROUGHOUT THE CONSTRUCTION PROCESS. CONTRACTOR SHALL ENSURE THE CONTINUITY OF POWER TO ALL EXISTING ITEMS TO REMAIN AND RESTORE DISRUPTED CIRCUITS AS REQUIRED.

G. POWER SHUTDOWNS SHALL BE COORDINATED AND COMPLETED AT TIMES OUTSIDE OF NORMAL WORKING HOURS AS APPROVED BY THE OWNER. PROVIDE A MINIMUM OF SEVEN DAYS ADVANCED NOTICE PRIOR TO ANY SHUTDOWN.

H. ALL EXTERIOR LIGHTING FIXTURES ARE TO BE AUTOMATICALLY CONTROLLED BY EXISTING LIGHTING CONTROLS EQUIPMENT LOCATED WITHIN THE MAIN EQUIPMENT ROOM. CONTRACTOR SHALL RETAIN EXISTING LIGHTING CONTROLS AND PROVIDE ADDITIONAL COMPONENTS, WIRING, AND CONTROL DEVICES AS REQUIRED FOR A COMPLETE SYSTEM. SEE NOTES ON SHEET E00.01 AND GMR DWGS FOR ADDITIONAL INFORMATION.

I. EXISTING LIGHT FIXTURES TYPE "Y" ARE EXISTING TO REMAIN.

NOTES:

1. TYPICAL - EXISTING CANOPY MOUNTED LIGHT FIXTURE(S) TO BE REMOVED AND REPLACED. REMOVE FIXTURE / SUPPORTS, AND RETAIN EXISTING BRANCH CIRCUIT / CONTROLS FOR RECONNECTION UNDER NEW WORK. CONTRACTOR SHALL PROVIDE PATCHING, PAINTING, AND WEATHERPROOFING AS REQUIRED.
2. TYPICAL - EXISTING BUILDING MOUNTED LIGHT FIXTURE(S) TO BE REMOVED AND REPLACED. REMOVE FIXTURE, SUPPORTS, AND RETAIN EXISTING BRANCH CIRCUIT FOR RECONNECTION UNDER NEW WORK. CONTRACTOR SHALL PROVIDE PATCHING, PAINTING, AND WEATHERPROOFING / FIREPROOFING AS REQUIRED.
3. TYPICAL - EXISTING LIGHT FIXTURE(S) TO BE REMOVED. REMOVE FIXTURE, SUPPORTS, WIRING, AND CONDUIT BACK TO SOURCE OR TO NEXT ACTIVE FIXTURE TO REMAIN. ANY CIRCUITS MADE SPARE BY DEMOLITION WORK SHALL BE TURNED TO 'OFF' POSITION AND UPDATED ON PANEL SCHEDULE. GC SHALL PROVIDE PATCHING, PAINTING, AND WEATHERPROOFING / FIREPROOFING AS REQUIRED.
4. CONTRACTOR SHALL COORDINATE AND VERIFY REMOVAL / TRIMMING OF TREES / BUSHES WITH GMR DRAWINGS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 650 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

Issue	Date & Issue Description	By	Check
01	02/17/2020 OWNER'S REVIEW SUBMISSION		
02	03/27/2020 PERMIT SUBMISSION		
1 03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
STEPHEN EDWARD ROBEY
Lic. No. 049826
PROFESSIONAL ENGINEER

Project Name
BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

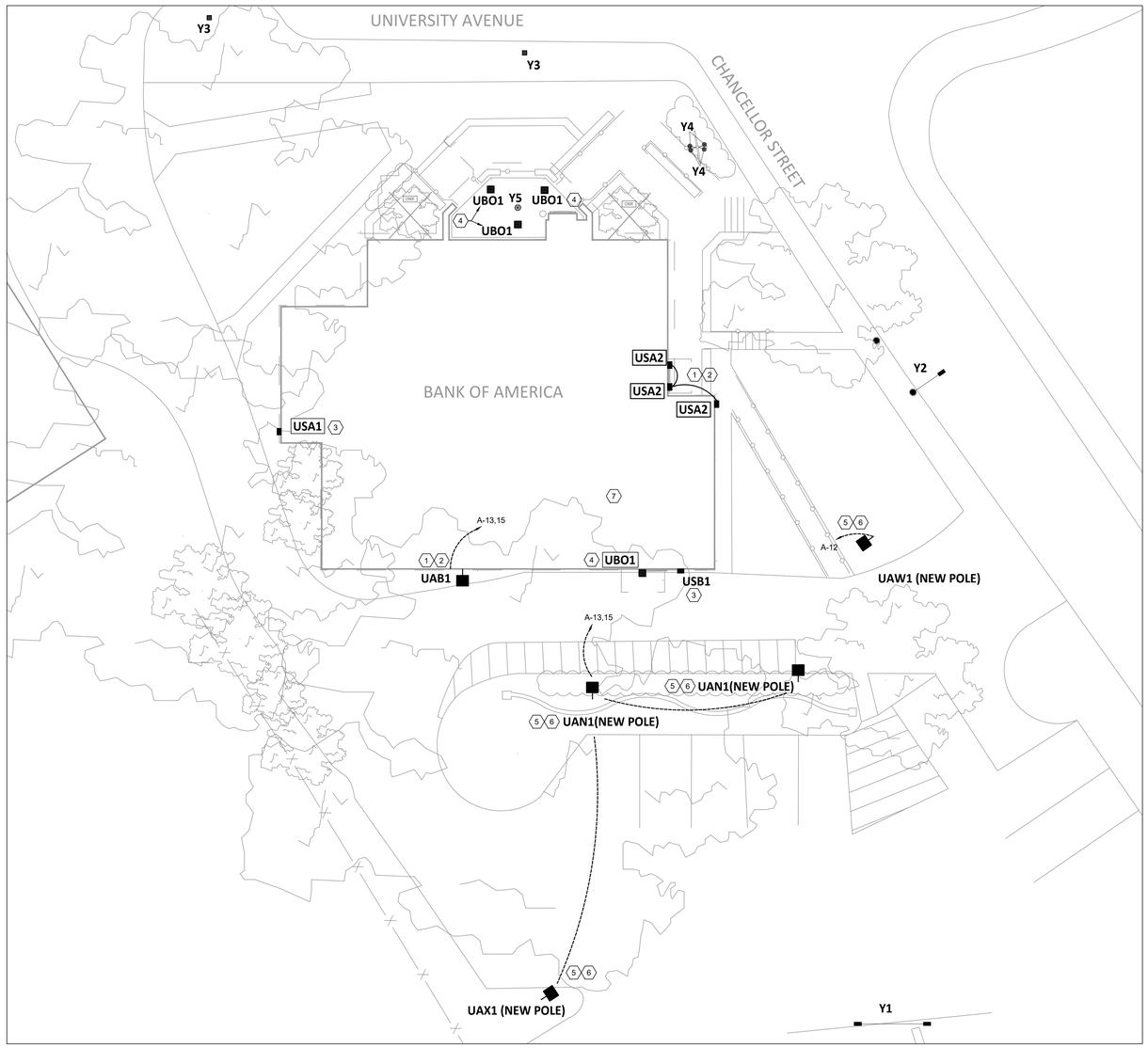
PROTOTYPE LAYOUT

CAD File Name

Description
ELECTRICAL SITE PLAN – DEMOLITION

Scale
1" = 10'-0"
0 5' 10' 20'

E01.01



1 E02.01 ELECTRICAL SITE PLAN - NEW WORK

1" = 10'-0"

1 *SEE UPDATED LIGHTING FIXTURE SCHEDULE ON E03.01.

GENERAL NOTES:

A. SEE SHEET E00.01 FOR PROJECT DETAILS, SCHEDULES AND SPECIFICATIONS. ALL NOTES ON SHEET E00.01 SHALL APPLY TO THIS DRAWING.

B. SEE SHEET E03.01 FOR RISER DIAGRAM & PANEL SCHEDULES.

C. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE MOUNTING HEIGHTS ON E03.01.

D. ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS EXCEPT WHERE DIMENSIONS ARE SHOWN.

E. ALL WORK SHALL BE DONE AT SUCH TIMES AND IN SUCH A MANNER AS WILL LEAST INTERFERE WITH THE MAINTENANCE AND OPERATION OF ALL RELATED OR AFFECTED SYSTEMS.

F. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER.

G. THE ACTUAL NUMBER OF WIRES ARE NOT INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. E.C. SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.

H. ALL EMPTY CONDUIT RUNS SHALL BE PROVIDED WITH PULL STRINGS.

F. ALL EXTERIOR LIGHTING FIXTURES ARE TO BE AUTOMATICALLY CONTROLLED BY EXISTING LIGHTING CONTROLS EQUIPMENT LOCATED WITHIN THE MAIN EQUIPMENT ROOM. CONTRACTOR SHALL RETAIN EXISTING LIGHTING CONTROLS AND PROVIDE ADDITIONAL COMPONENTS, WIRING, AND CONTROL DEVICES AS REQUIRED FOR A COMPLETE SYSTEM. SEE NOTES ON SHEET E00.01 AND GMR DRAWINGS FOR ADDITIONAL INFORMATION.

G. ALL EXTERIOR LIGHTING CIRCUITS / FIXTURES SHALL OPERATE SIMULTANEOUSLY AND SHALL BE AUTOMATICALLY POWERED 'ON' FROM DUSK UNTIL DAWN, UNLESS OTHERWISE NOTED.

NOTES:

1. EXTEND EXISTING EXTERIOR BRANCH CIRCUIT SERVING NEAREST LIGHT FIXTURES TO NEW BUILDING MOUNTED LIGHTING FIXTURES AS NECESSARY [2#10, 1#10G IN 3/4"C]. CONTRACTOR SHALL BALANCE THE LOADS WHERE MORE THAN ONE EXISTING CIRCUIT IS AVAILABLE THE CONTRACTOR SHALL CONCEAL ALL BRANCH CIRCUIT WIRING WHERE POSSIBLE. EXPOSED CONDUIT AT BUILDING EXTERIOR SHALL ONLY BE USED WHERE ABSOLUTELY NECESSARY. IF EXPOSED CONDUIT IS DEEMED NECESSARY, CONTRACTOR SHALL COORDINATE LOCATION / USE WITH OWNER. ENSURE EXTERIOR BRANCH LIGHTING CIRCUIT IS AUTOMATICALLY CONTROLLED AND POWERED 'ON' FROM DUSK-UNTIL-DAWN, UNLESS OTHERWISE NOTED.
2. PROVIDE AND INSTALL NEW WALL MOUNTED FIXTURE(S) AT BUILDING EXTERIOR AT MOUNTING HEIGHT AS SCHEDULED ON SHEET E03.01. COORDINATE FINAL LOCATION WITH EXISTING CONDITIONS AND PROVIDE MOUNTING HARDWARE AS WELL AS ANY CUTTING, PATCHING, PAINTING, AND FIREPROOFING / WATERPROOFING AS REQUIRED.
3. TYPICAL - PROVIDE AND INSTALL NEW WALL MOUNTED FIXTURE(S) AT BUILDING EXTERIOR. MATCH EXISTING MOUNTING HEIGHT AND CONNECT LIGHT FIXTURES TO EXISTING CIRCUITING, WITH EXISTING CONTROL TO REMAIN, UNLESS OTHERWISE NOTED. COORDINATE INSTALLATION W/ EXISTING STRUCTURE / CONDITIONS AND PROVIDE MOUNTING KIT & HARDWARE AS WELL AS ADDITIONAL CUTTING, PATCHING, PAINTING, AND FIREPROOFING / WATERPROOFING AS REQUIRED.
4. PROVIDE AND INSTALL NEW FIXTURES AT EXISTING CANOPY AND CONNECT TO EXISTING LIGHTING CIRCUIT. COORDINATE INSTALLATION W/ EXISTING STRUCTURE / CONDITIONS AND PROVIDE MOUNTING KIT & HARDWARE AS WELL AS ADDITIONAL CUTTING, PATCHING, PAINTING, AND FIREPROOFING / WATERPROOFING AS REQUIRED. CONNECT LIGHT FIXTURES TO EXISTING CIRCUITING, WITH EXISTING CONTROL TO REMAIN, UNLESS OTHERWISE NOTED.
5. PROVIDE NEW POLE, CONCRETE POLE BASE (W/ #6G COPPER GROUND TO GROUND ROD), AND POLE MOUNTED FIXTURE(S) AS SCHEDULED. SEE LIGHTING FIXTURE SCHEDULE ON E03.01 AND POLE BASE DETAIL ON STRUCTURAL SHEET S0.01 FOR ADDITIONAL INFORMATION.
6. EXTEND 240V-20A BRANCH LIGHTING CIRCUIT TO NEW POLE MOUNTED FIXTURES AS NECESSARY FROM INDICATED LIGHTING CIRCUIT [2#8, 1#10G IN 1-1/2"C]. COORDINATE FINAL ROUTING WITH EXISTING CONDITIONS AND TRENCH THE PATH WITH THE LEAST AMOUNT OF DISTURBANCE TO EXISTING DRIVEWAYS AND SIDEWALKS. COORDINATE ALL WORK WITH OWNER AS REQUIRED.
7. LOCATION OF EXISTING ELECTRICAL SOURCE PANELS, IN ELECTRICAL ROOM IN BACK-OF-HOUSE SPACE, FOR EXTERIOR LIGHTING CIRCUITS TO BE EXTENDED AS NEEDED. EXISTING TIMECLOCK AND CONTACTORS CONTROLLING ALL EXTERIOR LIGHTING CIRCUITS SHALL REMAIN IN PLACE AND BE RE-UTILIZED.

SITE LIGHTING DESIGN STATEMENT

THE INDICATED BUILDING-MOUNTED AND POLE-MOUNTED LIGHTING DESIGN, INCLUDING FIXTURE SELECTIONS, INSTALLATION LOCATIONS AND SUPPORTING PHOTOMETRIC CALCULATIONS, HAS BEEN PERFORMED BY THE OWNER'S CONSULTANT (GMR). THE BUILDING-MOUNTED AND POLE-MOUNTED FIXTURES, INCLUDING FIXTURE SUPPORTS, POLE BASES AND ALL INDICATED CIRCUITING, ARE INCLUDED IN THE CONTRACT AND SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, ACCORDING TO THE POLE AND FIXTURE MANUFACTURER'S INSTRUCTIONS.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 650 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

	Issue	Date & Issue Description	By	Check
	01	02/17/2020 OWNER'S REVIEW SUBMISSION		
	02	03/27/2020 PERMIT SUBMISSION		
1	03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
STEPHEN EDWARD ROBEY
Lic. No. 049826
PROFESSIONAL ENGINEER

Project Name
BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

PROTOTYPE LAYOUT

CAD File Name

Description
ELECTRICAL SITE PLAN – NEW WORK

Scale
1" = 10'-0"
0 5' 10' 20'

E02.01

PANEL: **A (EXISTING)** **AMP:** 225 **VOLT:** 120/240

PHASE: 3 **4 WIRE + GND**

MOUNTING: SURFACE **MAIN:** 225

Branch Circuit Load Description	KVA Load A	KVA Load B	KVA Load C	Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load A	KVA Load B	KVA Load C	Branch Circuit Load Description
CABINET HEATER ATTEND. BATH	0.75			20/2	1	A	2	20/2	0.75			HEAT PUMP - OFFICES
-		0.75		-	-	B	-	-		0.75		-
TELLER RECEPT.			0.36	20/2	3		4	30/2			0.75	CABINET HEATER - VAULT
-	0.36			-	-	A	-	-	0.75			-
WATER HEATER		1.00		30/2	5	B	-	-		1.00		-
-			1.00	-	-		6	20/3			1.00	INDOOR FAN HEAT PUMP #2
-	1.00			-	-	A	-	-	1.00			-
OUTDOOR FAN HEAT PUMP #2		1.00		30/3	7	B	-	-		1.50		-
-			1.00	-	-		8	50/3			1.50	HEAT SECTIONS PUMP #1
-	1.50			-	-	A	-	-	1.50			-
HEATERS HEAT PUMP #2		1.50		40/3	9	B	-	-		1.50		-
-			1.50	-	-		10	50/3			1.50	OUTDOOR SECTIONS PUMP #1
-	2.50			-	-	A	-	-	1.50			-
COMPRESSOR HEAT PUMP #1		2.50		50/3	11	B	**12**	**20/2**		**0.34**		**EXTERIOR LIGHTS**
-			2.50	-	-		**-**	**-**			**0.34**	**-**
POLE LIGHTS (NOTE 3)	**0.81**			**20/2**	**13**	A	14	20/2	0.75			BASEBOARD HEAT - KITCHEN / BATH
-		**0.81**		**-**	**15**	B	-	-		0.75		-
SPACE ONLY			0.00	-	17		16	20/2			0.75	BASEBOARD HEAT - OFFICES
SPACE ONLY	0.00			-	19	A	-	-	0.75			-
SPACE ONLY		0.00		-	21	B	18	50/2		1.50		HEATING UNIT - OFFICES
SPACE ONLY			0.00	-	23		-	-			1.50	-
	6.92	7.56	6.36	<< PHASE SUB-TOTALS >>					7.00	7.34	7.34	

PHASE A	13.92	kVA
PHASE B	14.90	kVA
PHASE C	13.70	kVA

42.5	TOTAL CONNECTED LOAD (KVA)
102.4	TOTAL CONNECTED LOAD (AMPS)

NOTES: **(1) EXTERIOR LIGHTING CIRCUITS ARE INDICATED IN BOLD, ALL OTHER LOADS ARE EXISTING.**
(2) GC TO VERIFY EXTERIOR LIGHTING CIRCUIT AND UPDATE LOAD DESCRIPTION.
(3) PROVIDE NEW 2P-20A CIRCUIT BREAKER FOR EXTERIOR LIGHTING.

PANEL: **B (EXISTING)** **AMP:** 225 **VOLT:** 120/240

PHASE: 3 **4 WIRE + GND**

MOUNTING: SURFACE **MAIN:** MLO

Branch Circuit Load Description	KVA Load A	KVA Load B	KVA Load C	Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load A	KVA Load B	KVA Load C	Branch Circuit Load Description
LIGHTS - FRONT PORCH & LOBBY EAST REA	0.50			20/1	1	A	2	20/1	0.35			LIGHTS - MANAGER
RECEPTS. - 4700 SYSTEM		0.72		20/1	3	B	**4**	**20/1**		**0.30**		**EXTERIOR FLOOD LIGHTS**
LIGHTS - STORAGE / HALL / KITCHEN			0.75	20/1	5	C	6	20/1			0.35	LIGHTS - LOBBY EAST FRONT 3
EXHAUST FAN - BATH / KITCHEN	0.50			20/1	7	A	8	20/1	0.18			FAN ALARM SYSTEM - VAULT
LIGHTS - LOBBY BKTS & CHANDOLIER		0.50		20/1	9	B	10	20/1		0.30		LIGHTS - LOBBY WEST FRONT 3
LIGHTS - LOBBY WEST REAR 3			0.25	20/1	11	C	12	20/1			0.50	LIGHTS - TELLER ROOM SOUTH
LIGHTS - TELLER ROOM NORTH	0.25			20/1	13	A	14	20/1	0.54			RECEPTS. - MECHANICAL ROOM
RECEPTS. - MSGU		0.72		20/1	15	B	16	20/1		0.50		LIGHTS - VAULT / ATTEND. BATH
LIGHTS - ATTIC			0.30	20/1	17	C	18	20/1			0.50	LIGHTS - VAULT / LOBBY / COUPON
LIGHTS - BATHROOMS	0.30			20/1	19	A	20	20/1	0.36			RECEPTS. - TELLER COUNTER REAR
RECEPTS. - INCINERATOR / COUPON RM		0.72		20/1	21	B	22	20/1		0.20		LIGHTS - ATM
RECEPTS. - KIT. / BATHS / HALL			0.72	20/1	23	C	24	20/1			0.54	RECEPTS. - KITCHEN
RECEPTS. - FLOOR LOBBY REAR WALL	0.54			20/1	25	A	26	20/1	0.36			RECEPTS. - TELLER COUNTER REAR
DRIVE IN WINDOW		0.36		20/1	27	B	28	20/1		0.72		RECEPTS. - MNGR / COUPON RM
ATM (FRONT DOOR)			1.00	20/1	29	C	**30**	**20/1**			**0.30**	**EXTERIOR FLOOD LIGHTS**
RECEPTS. - TELLER ROOM	0.36			20/1	31	A	**32**	**20/1**	**0.30**			**EXTERIOR FLOOD LIGHTS**
TELEPHONE -UTILITY ROOM		0.18		20/1	33	B	34	20/1		1.00		ATM
FLOOR RECEPTS. - OFFICES			0.72	20/1	35	C	36	20/1			1.00	AC FOR COMPUTERS
AC - REAR OFFICES	1.00			20/1	37	A	**38**	**20/1**	**0.30**			**EXTERIOR LIGHTS**
RECEPTS. - REAR OFFICES		0.54		20/1	39	B	40	20/1		0.10		EXIT LIGHTS
LIGHTING - REAR OFFICES			0.50	20/1	41	C	42	20/1			1.00	DRIVE-UP ATM
	3.45	3.74	4.24	<< PHASE SUB-TOTALS >>					2.39	3.12	4.19	

PHASE A	5.84	kVA
PHASE B	6.86	kVA
PHASE C	8.43	kVA

21.1	TOTAL CONNECTED LOAD (KVA)
50.9	TOTAL CONNECTED LOAD (AMPS)

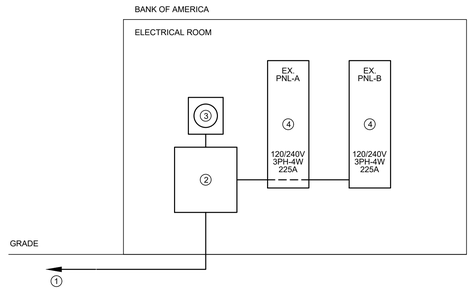
NOTES: **(1) EXTERIOR LIGHTING CIRCUITS ARE INDICATED IN BOLD, ALL OTHER LOADS ARE EXISTING.**
(2) GC TO VERIFY EXTERIOR LIGHTING CIRCUITS AND UPDATE LOAD DESCRIPTION.

1

LIGHTING FIXTURE SCHEDULE — ** CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING**

SYMBOL	LABEL	WATTAGE PER FIXTURE	FIXTURE ARRANGEMENT	FIXTURE TYPE / MOUNTING / MANUFACTURER	BUG RATING	MOUNTING HEIGHT	MOUNTING ACCESSORIES	NOTES
	UAB1	70	SINGLE	(AB) ARE-EDG-4M-DA-04-E-UL-BZ-525-30K / WALL MOUNT / CREE	B2-U0-G2	10' - 6" AFG	WM-DA-BZ	ADD NEW FIXTURE
	UAN1(NEW POLE)	101	SINGLE	(AN) ARE-EDG-5M-DA-06-E-UL-BZ-525-30K / POLE MOUNT / CREE	B4-U0-G3	15' AFG	-	ADD NEW FIXTURE
	UAW1 (NEW POLE)	93	SINGLE	(AW) ARE-EDG-4MB-DA-04-E-UL-BZ-700-30K / POLE MOUNT / CREE	B1-U0-G2	15' AFG	-	ADD NEW POLE AND FIXTURE
	UAX1 (NEW POLE)	134	SINGLE	(AX) ARE-EDG-4MB-DA-06-E-UL-BZ-700-30K / POLE MOUNT / CREE	B1-U0-G2	15' AFG	-	ADD NEW POLE AND FIXTURE
	UBO1	20	SINGLE	(BO) CPY250-A-DM-F-20W-UL-WH-30K / CANOPY MOUNT / CREE	B1-U0-G1	MATCH EXISTING	XA-BXCC9001	REPLACE EXISTING FIXTURE
	USA1	25	SINGLE	(SA) SEC-EDG-2S-WM-02-E-UL-BZ-350-30K / WALL MOUNT / CREE	B1-U0-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE
	USA2	25	SINGLE	(SA) SEC-EDG-2S-WM-02-E-UL-BZ-350-30K / WALL MOUNT / CREE	B1-U0-G1	8' - 6" AFG	-	ADD NEW FIXTURE
	USB1	37	SINGLE	(SB) SEC-EDG-2S-WM-02-E-UL-BZ-525-30K / WALL MOUNT / CREE	B1-U0-G1	MATCH EXISTING	-	REPLACE EXISTING FIXTURE
	R1	-	SINGLE	EXISTING FLOOD FIXTURE	-	-	-	REMOVE AND PATCH
	R2	-	SINGLE	EXISTING CANOPY FIXTURE	-	-	-	REMOVE AND PATCH
	R3	-	SINGLE	EXISTING WALL MOUNT FIXTURE	-	-	-	REMOVE AND PATCH
	Y1	-	DOUBLE (2@180°)	EXISTING POLE FIXTURE	-	-	-	OUT OF SCOPE
	Y2	-	SINGLE	EXISTING POLE FIXTURE	-	-	-	OUT OF SCOPE
	Y3	-	SINGLE	EXISTING DECORATIVE POLE FIXTURE	-	-	-	OUT OF SCOPE
	Y4	-	SINGLE	EXISTING FLOOD FIXTURE	-	-	-	OUT OF SCOPE
	Y5	-	SINGLE	EXISTING CANOPY FIXTURE	-	-	-	OUT OF SCOPE

SEE E00.01 FOR ADDITIONAL FIXTURE NOTES.



1 POWER RISER DIAGRAM
E03.01 NOT TO SCALE

GENERAL NOTES:

A. ALL PANEL BOARDS AND FEEDERS ARE EXISTING TO REMAIN.
B. EC SHALL VERIFY EXISTING CONDITIONS, EXISTING RISER DIAGRAM, EQUIPMENT RATINGS, AND FEEDER SIZES PRIOR TO START OF CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

RISER NOTES:

① EXISTING 120/240V-3P ELECTRICAL SERVICE FROM POWER COMPANY.
② EXISTING C.T.'s ENCLOSURE.
③ EXISTING C.T. ELECTRICAL METER
④ REFER TO PANEL SCHEDULE FOR DETAILS.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 650 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

Issue	Date & Issue Description	By	Check
01	02/17/2020 OWNER'S REVIEW SUBMISSION		
02	03/27/2020 PERMIT SUBMISSION		
1 03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
STEPHEN EDWARD ROBEY
Lic. No. 047826
PROFESSIONAL ENGINEER

Project Name
BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

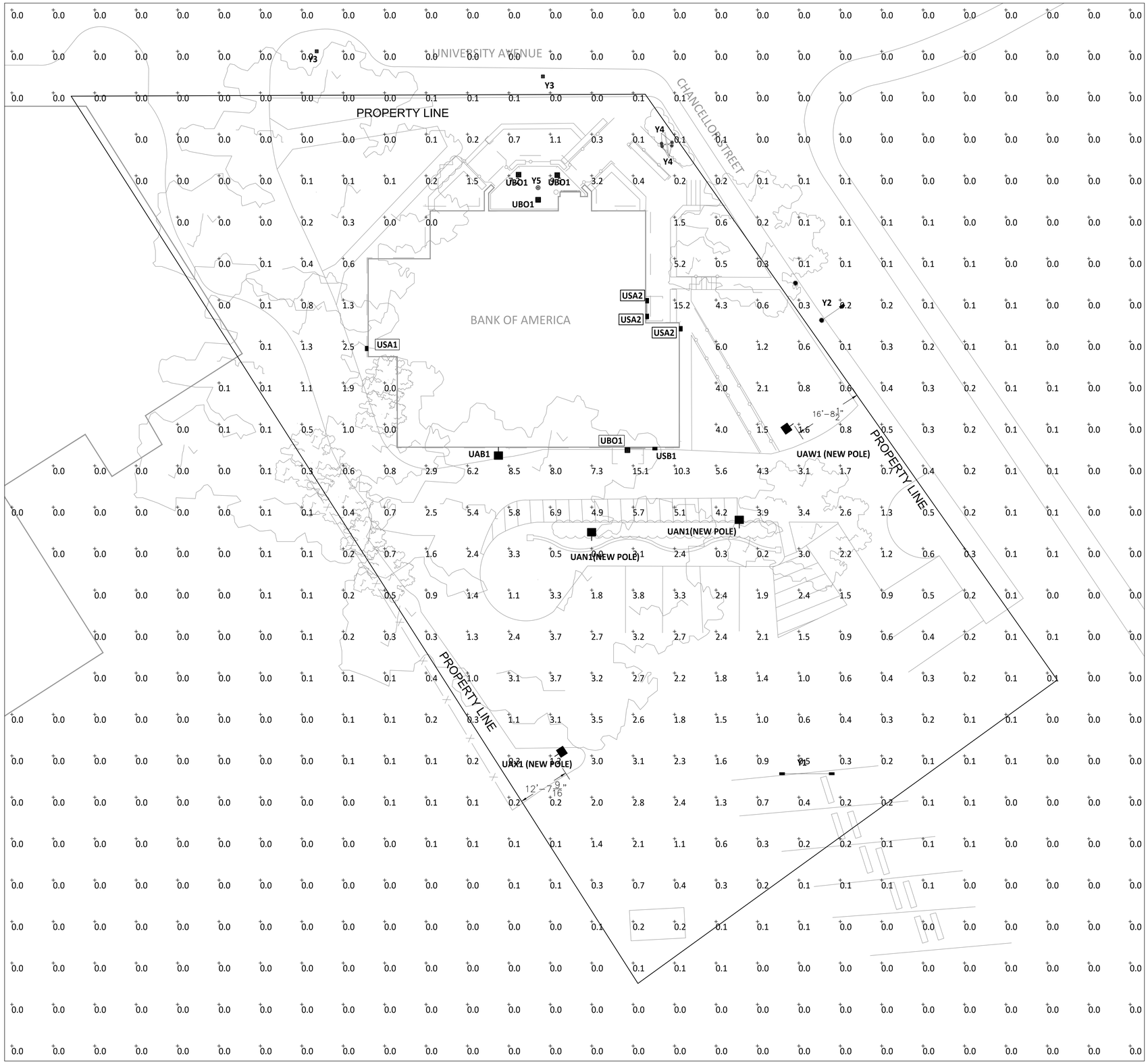
PROTOTYPE LAYOUT

CAD File Name

Description
RISER DIAGRAM & PANEL SCHEDULES

Scale NONE

E03.01



1 E04.01 PHOTOMETRIC PLAN

1" = 10'-0"

1 *PHOTOMETRIC LEVELS UPDATED PER FIXTURE SCHEDULE CHANGES ON E03.01.

GENERAL NOTES:

A. SEE SHEET E00.01 FOR PROJECT DETAILS, SCHEDULES AND SPECIFICATIONS. ALL NOTES ON SHEET E00.01 SHALL APPLY TO THIS DRAWING.

B. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE MOUNTING HEIGHTS ON E03.01.

C. ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS EXCEPT WHERE DIMENSIONS ARE SHOWN.

D. FOOT-CANDLES (+0.0) ON SITE PLAN ARE MEASURED AT GRADE.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 650 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

	Issue	Date & Issue Description	By	Check
	01	02/17/2020 OWNER'S REVIEW SUBMISSION		
	02	03/27/2020 PERMIT SUBMISSION		
1	03	08/24/2020 PERMIT RESUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
STEPHEN EDWARD ROBEY
Lic. No. 047826
PROFESSIONAL ENGINEER

Project Name
BANK OF AMERICA – UNIVERSITY ELP
223-13649-00

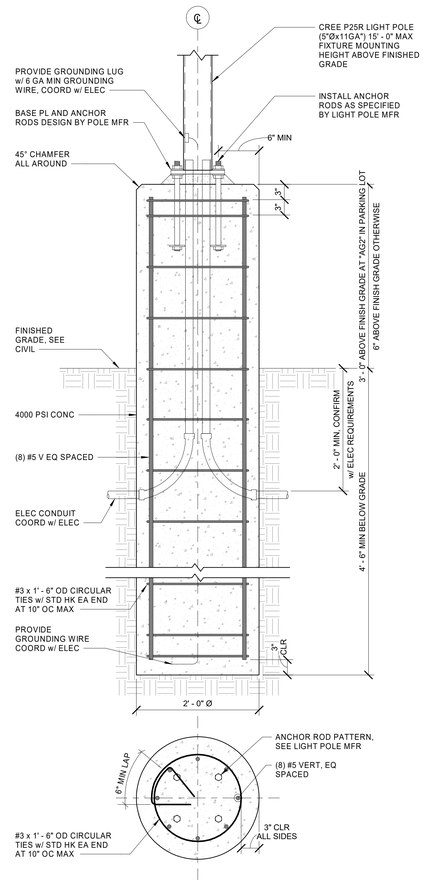
PROTOTYPE LAYOUT

CAD File Name

Description
PHOTOMETRIC PLAN

Scale
1" = 10'-0"
0 5' 10' 20'

E04.01



NOTES:
1. SEE ELECTRICAL FOR LIGHT POLE LOCATIONS.

1 / S01.01 LIGHT POLE FOUNDATION DETAIL
1" = 1'-0"

GENERAL NOTES:
1. LIGHT POLE FOUNDATION IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE AS AMENDED BY THE LOCAL JURISDICTION
2. SEE SITE PLAN FOR LIGHT POLE LOCATIONS.
3. DESIGN LOADS:

SNOW LOAD	Pg	30 PSF
	Is	1.0
WIND LOAD	V	115 MPH
	EXPOSURE	C
	Iw	1.0
	LIGHT FIXTURE PROJECTED WIND AREA	1.68 SF
	LIGHT POLE BASE SHEAR	.35 K
SEISMIC LOAD	OCCUPANCY GROUP	II
	Ie	1.0
	Ss	0.208
	S1	0.069
	SITE CLASS	D (DEFAULT)
	Sds	0.222
	Sd1	0.110
	SEISMIC DESIGN CATEGORY	B
	STRUCTURAL SYSTEM	INVERTED PENDULUM BASE SHEAR
	LIGHT POLE	0.2 K

4. SOIL BEARING CAPACITY ARE BASED ON THE PRESUMPTIVE LOAD-BEARING VALUES PROVIDED IN TABLE 1806.2 IN THE IBC AND SHALL BE VERIFIED AT TIME OF CONSTRUCTION BY A GEOTECHNICAL ENGINEER LICENSED IN THE PROJECT STATE. IF MINIMUM BEARING CAPACITY IS FOUND TO BE LESS THAN 1,500 PSF FOR GRAVITY AND 100 PSF/FT FOR LATERAL, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND LIGHT POLE FOUNDATION DESIGN WILL BE REVISED IF NECESSARY.
5. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-14.
6. CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
   1. CONCRETE CATEGORY : F2 (ACI 318-14)
   2. 28 DAY COMPRESSIVE STRENGTH F'c = 4,000 PSI AT 28 DAYS
   3. NORMAL WEIGHT (145 PCF)
   4. MAXIMUM W/C RATIO = 0.40
   5. MAXIMUM AGGREGATE SIZE - 3/4"
   6. ENTRAINED AIR = 6% ± 1%
   7. SLUMP = 4" ± 1"
   8. NO CALCIUM CHLORIDE SHALL BE ALLOWED
7. SUBMIT CONCRETE MIX TO EOR FOR REVIEW PRIOR TO POURING.
8. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.

Bank of America University ELP Renovation

1619 University Avenue
Charlottesville, VA 22903

SERIAL NUMBER:
NRSP VERSION:
BULLETIN:

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
4245 North Fairfax Drive Suite 550 Arlington, VA 22203
T: 703.908.4501 F: 703.908.4502
www.littleonline.com

Issue	Date & Issue Description	By	Check
01	02/17/2020 OWNER'S REVIEW SUBMISSION		
02	03/27/2020 PERMIT SUBMISSION		

Seal/Signature

COMMONWEALTH OF VIRGINIA
EDWARD CHANG
Lic. No. 60473
PROFESSIONAL ENGINEER
03/27/2020

Project Name
BANK OF AMERICA - University ELP
223-13649-00

PROTOTYPE LAYOUT

CAD File Name

Description
GENERAL NOTES AND LIGHT POLE FOUNDATION DETAIL

Scale

S01.01