

## Architectural Review Board Staff Report

|                      |   |
|----------------------|---|
| <b>Project Type:</b> | Amended Site Development Plan   |
| <b>Meeting Date:</b> | April 14, 2020  |
| <b>From:</b>         | Chris Dietz, Planner  |
| <b>Location:</b>     | Northeast of the intersection of Conway Road and Chesterfield Parkway East.   |
| <b>Description:</b>  | <b>Fairfield Suites ASDP:</b> An Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 2.84-acre tract of land zoned "PC" - <i>Planned Commercial District</i> located northwest of the intersection of Conway Road and Chesterfield Parkway East. |

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### PROPOSAL SUMMARY

Chesterfield Village Lodging, LLC has submitted a request for a proposed hotel addition located in the Fairfield Suites Subdivision. This addition is comprised of a new 54,780 square-foot, four-story hotel with 88 additional guest rooms, a parking structure located beneath the hotel addition, amended elevations to the existing hotel building and a redesigned parking area within this development.

### HISTORY OF SUBJECT SITE

The site was initially zoned "R-3" by St. Louis County until being rezoned "C-8" Planned Commercial District in 1985. In 1997, this PC district was combined with an adjoining "R-3" Residence District to form a new C-8 district governed under Ordinance 1207. This remained in place until it was rezoned from a "C-8" Planned Commercial District to a "PC" Planned Commercial District in 2019. A Site Development Section Plan was approved in 1997 along with a Boundary Adjustment Plat, resulting in the 2.84-acre site that exists today. In 2004, Amended Architectural Elevations were approved for the



Figure 1: Aerial of Subject Site

existing building onsite to renovate the siding material for the hotel. Most recently, the site was rezoned from a C-8 district to a new “PC” – Planned Commercial District in 2019 and is currently governed under the provisions of Ordinance 3055. This rezoning established the development criteria for two different development paths for either two conjoined hotels or one hotel and one restaurant—similar to what is currently located on the site. This most recent Change of Zoning request was petitioned by the same applicant who is currently proposing this Amended Site Development Plan.

**REQUEST FOR NO ACTION: FEBRUARY 13, 2020**

On February 13, 2020, this project was reviewed by the Architectural Review Board which raised several concerns regarding this project. Primarily, the Board expressed concern over the designs of both the proposed and existing buildings clashing while being connected to each other. Specifically, there was concern that the applicant should demonstrate one cohesive site design.

Other concerns were raised about how the Rooftop Mechanical Units were to be screened and whether or not the garage beneath the hotel would feature any sort of screening system on the open-air windows on the garage. After a brief discussion of these concerns, the applicant requested that no action be taken by the Board on this project until these issues are addressed. This report is intended to provide an update on how the current submittal relates to the City of Chesterfield Unified Development Code and Comprehensive Plan policies.

**STAFF ANALYSIS**

**General requirements for Site Design:**

**A. Site Relationships**

**UDC Section 31-04-01 C.1.**

The Unified Development Code states that developments should emphasize site relationships to provide a seamless transition between phases of a project, which are compatible with neighboring developments.

The proposed building would be the second hotel building on site and would abut an adjacent hotel development to the west of it. Currently, the site consists of an operating 92-guestroom hotel and a vacant restaurant building and is partially visible from I-64. A hotel development to the west and a performing arts building to the north abut this development with no cross-access between them. The site is separated from a condominium complex to the east by Chesterfield Parkway East, and from an undeveloped wooded lot on the south side of Conway Road.

**B. Circulation and Access**

Two vehicular access points currently serve the site with a bus stop located along Chesterfield Parkway East. The proposed addition includes two (2) new pedestrian access points along both roads that continue through to the existing and proposed buildings while continuing to utilize the existing curb cuts entering the site. Figure 2 illustrates the location of each of these features.

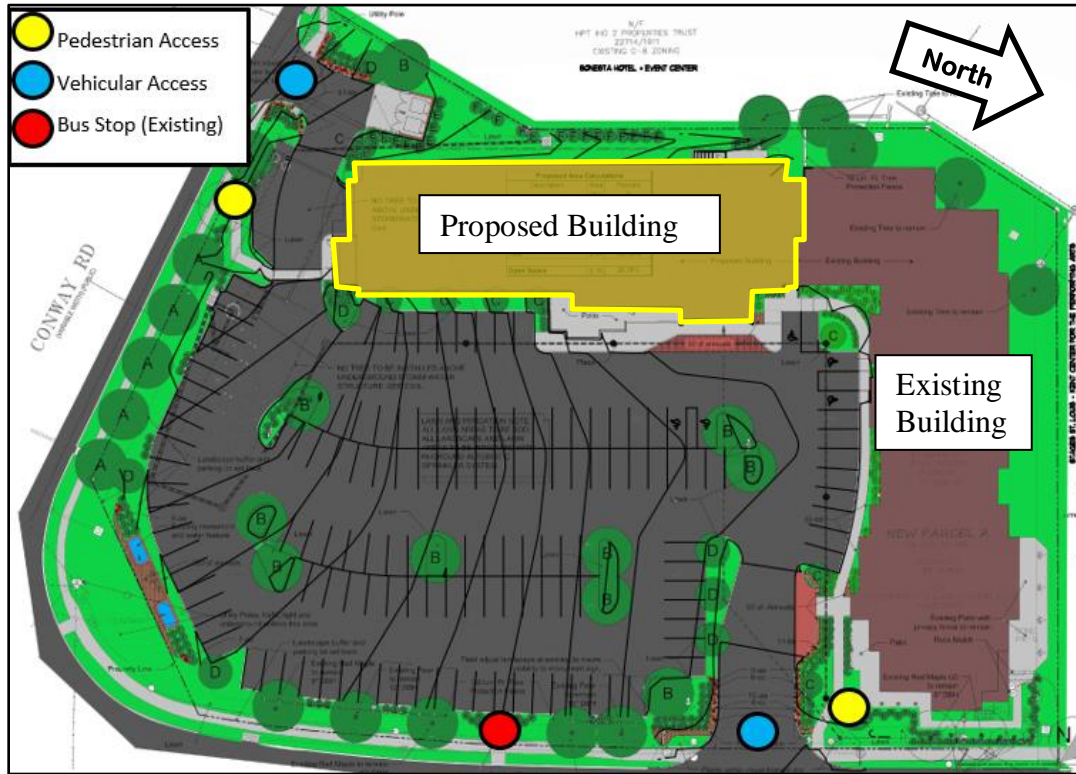


Figure 2: Color Site Plan

**C. Topography and Parking**

The topography of the site slopes moderately to the south toward Conway Road. The applicant intends to take advantage of this feature by including a 35-vehicle parking structure beneath the proposed building, which would allow vehicular traffic to enter and exit at grade on the south side of the structure. The location of this parking structure and its relation to the topography is illustrated on the south, east and west elevations.

To further accommodate the parking requirements for both hotels, the vacant restaurant building will be demolished, allowing for additional parking on site. In total, this site will include 180 parking spaces to accommodate 180 guest rooms in both hotel buildings, or 1.0 space per guest room, which is similar to other hotels throughout the City. Since the UDC requires 1.2 spaces per guest room, the applicant has provided a traffic study for the review and consideration for this request by Planning Commission to justify this request.

The site will be served by two loading spaces—one in front of each hotel building. While an additional 10'x40' loading space is required for a development of this size, the omission of this loading space is also included in the parking reduction request.

## General Requirements for Building Design

### A. Scale

|  |
|--|
| <b>UDC Section 31-04-01 D.1.</b>   |
| Size, proportion design and orientation of buildings should be compatible with the adjacent or predominant development in the area.  |
| Transitions between buildings should be provided to visually reduce differences in scale in proportion.  |
| Respect and/or improve the rhythm established by adjacent or predominant buildings and development.  |
| Coordinate the actual and apparent height of adjacent structures. Adjust apparent height by placing window lines, belt courses and other horizontal elements in a pattern that complements the same elements on neighboring buildings. |

The size of the proposed building is four (4) stories tall and is similar in height to the 3-story existing building. Both buildings will be conjoined with the proposed building having a 90° orientation from the existing one. The incorporation of a patio area and ground-level windows help maintain a human scale for the project. Offsets of the proposed building's elevations help break up the massing along the façade of the building and material massing, while utilizing the same features as the existing building, differ in massing to add distinction between each building. While the building is set back from Chesterfield Parkway East by nearly 200', the 4-story building would be situated fifteen (15) feet from the western property boundary and roughly 50' from Conway Road. The existing building is situated similar distances from the northern boundary and the Parkway, respectively. The project would allow the site to meet its 26% open space requirement (26.78% total), as well as its F.A.R. requirement of .86.

### B. Design

|   |
|---|
| <b>UDC Section 31-04-01 D.2.</b>  |
| Design and coordinate all facades with regard to color, types and numbers of materials, architectural form and detailing.   |
| Screen rooftop equipment on all visible sides with materials that are an integral part of the architecture. Parapet walls or screen walls shall be treated as an integral part of the architecture and shall not visually weaken the design of the structure. |

The overall design of the proposed building differs from the existing hotel mainly due to its extra (4<sup>th</sup>) story at approximately 45'0" in height at the roofline with additional varying parapet heights. By contrast, the existing structure has 3 stories measuring 42'0" in height with a mansard roof, as indicated on the elevations below.

Additional elements to the massing and new color and material will be introduced on the new building to provide a more modern hotel design. Windows and HVAC ventilation units will also have different orientation and design than their counterparts on the existing structure. The proposed

structure will also include a canopy on the east elevation above the loading zone as well as a patio area adjacent to the main entrance.

To incorporate this new design into the existing condition of the site, some of the features found on the proposed building will be carried over to the existing one. This is intended to integrate a common design throughout the site. The portico on the existing building will be removed and replaced with a canopy that wraps around the building from the entry to the eastern elevation. Other features such as the reliefs on the existing building will be replaced with similar material and massing found on the proposed structure. Previously, these changes were only located on the south elevation of the building.

Since the previous ARB meeting, the applicant has made changes to the design of the existing building by adding massing elements from the proposed building to all elevations, as opposed to just the south elevation. The mending, or transition zone between the two buildings has also been updated to provide a more pronounced transition between the two structures, as noted on the revised eastern elevation. A comparison of original and revised elevations since the last ARB meeting is shown below:



Figure 3a: Existing South Elevation



Figure 3b: Revised South Elevation



Figure 4: Revised North Elevation

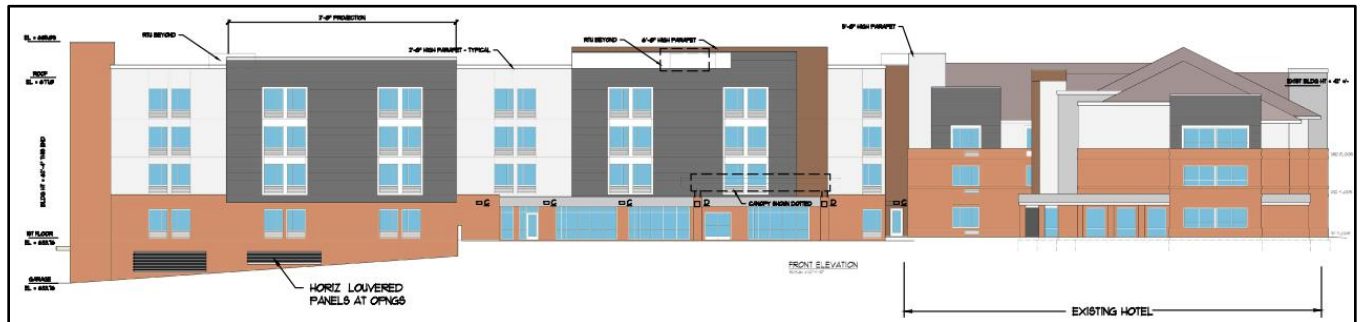


Figure 5: Revised East Elevation

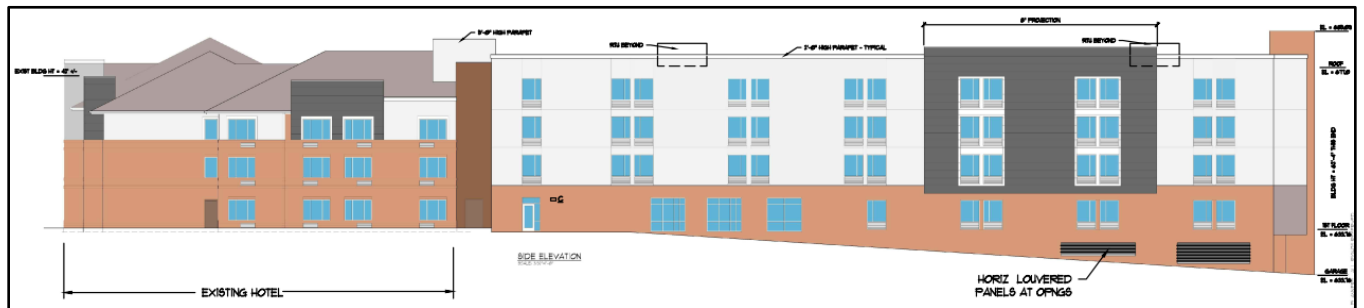


Figure 6: Revised West Elevation

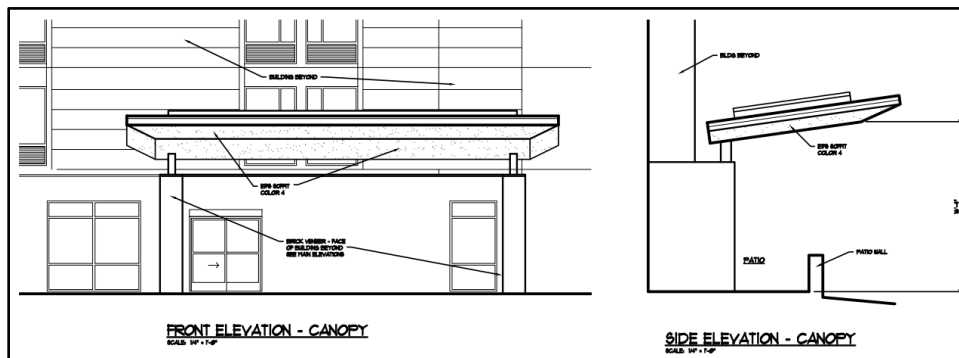


Figure 7: Canopy Elevations

**C. Materials and Color**

| UDC Section 31-04-01 D.3.  |   |
|--|---|
| Desirable Practices  | Undesirable Practices   |
| Use compatible colors, materials and detailing on building. Colors, materials and detailing should also be compatible with adjacent buildings and properties. Encourage the use of integral color where practical. | False or decorative face treatments, inconsistent adornment and overly frequent material changes (should be avoided). |

The proposed building will introduce new colors of EIFS and fiber cement accents to the site while incorporating similar brick material and white EIFS color from the existing hotel into its design. The color palette for the EIFS materials has been selected to provide earth-tone hues to complement the existing brick. Black EIFS will be continued around all elevations of the existing structure on reliefs that mimic the style of the proposed structure. The 6’0” trash enclosure will utilize brick material similar to that found on the proposed building.

**D. Landscape Design and Screening**

The site includes a landscape buffer that coincides with the parking setbacks along both rights-of-way (10’ along Conway Rd. and 15’ along the Parkway) that already contains street trees and a prominent water feature facing the intersection. However, additional landscaping is proposed with this project to enhance the overall appearance of the site. These enhancements include additional street trees along Conway Road, additional parking area trees and landscaping around a monument sign along the Parkway. Other plantings throughout the site will include shrub plantings along each building. All landscaping will comply with UDC regulations and the applicant has acknowledged that all ground-mounted utilities will be adequately screened.

The trash enclosure will also be screened from the ground level of the proposed building by vegetation and one (1) honey locust tree between it and the property line to the west. Rooftop Mechanical Units (RTUs) will be screened by a combination of parapets at some locations and additional screening material where parapet screening will not be possible. Figure 8 below demonstrates how these units will be adequately screened.

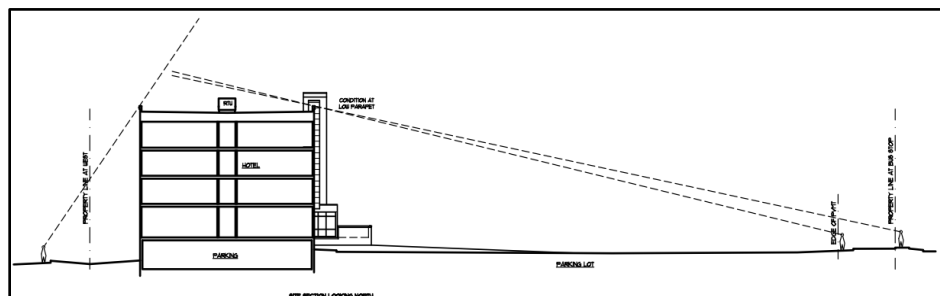


Figure 8: Rooftop Unit Screening

**E. Signage**

Signage is not part of the proposal before the Architectural Review Board and will be reviewed separately.

## F. Lighting

Lighting for this proposal consists mainly of parking area lighting, with six (6) pole-mounted fixtures illuminating the parking area. Additionally, ten (10) wall-mounted fixtures will illuminate each side of both buildings. Recessed lighting will be located beneath each canopy on each building and two (2) wall-mounted accent lighting fixtures (Fixture “D” in the packet cutsheets) will be oriented upward beneath the canopy of the proposed building. Fixture D will be subject to review and approval by Planning Commission.

## G. Exterior Rendering



*Figure 9: Revised Rendering*

## **DEPARTMENT INPUT**

This project is currently under staff review and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the Architectural Review Board will be included in Staff’s report to the Planning Commission. Staff requests review and recommendation by the Architectural Review Board on this Amended Site Development Plan for Fairfield Suites.

## **MOTION**

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) “I move to forward the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Fairfield Suites, as presented, with a recommendation for approval (or denial) to the Planning Commission.”
- 2) “I move to forward the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Fairfield Suites to the Planning Commission with the following recommendations...”

Attachments: Architectural Review Board Packet





RECEIVED  
City of Chesterfield

Mar 17 2020

Department of Public Services

**ARCHITECTURAL REVIEW BOARD  
Project Statistics and Checklist**

**Date of First Comment Letter Received from the City of Chesterfield** 8/30/2019

**Project Title:** Fairfield Suites **Location:** Conway Rd + Chesterfield Parkway East

**Developer:** Chesterfield Village Lodging, LLC **Architect:** Environs Architects **Engineer:** G+W Engineering

**PROJECT STATISTICS:**

**Size of site (in acres):** 2.84 acres **Total Square Footage:** 106, 590 SF **Building Height:** 62' +/-

**Proposed Usage:** Hotel

**Exterior Building Materials:** Brick, EIFS,

**Roof Material & Design:** Existing Building = Shingle Roofing - sloping. New = TPO membrane - flat

**Screening Material & Design:** Masonry at ground level and metal screening on roof.

**Description of art or architecturally significant features (if any):** Existing fountain at interstion / corner of site

**ADDITIONAL PROJECT INFORMATION:**

**Checklist:** Items to be provided in an 11" x 17" format

- Color Site Plan with contours, site location map, and identification of adjacent uses.**
- Color elevations for all building faces.**
- Color rendering or model reflecting proposed topography.**
- Photos reflecting all views of adjacent uses and sites.**
- Details of screening, retaining walls, etc.**
- Section plans highlighting any building off-sets, etc. (as applicable)**
- Architect's Statement of Design which clearly identifies how each section in the Standards has been addressed and the intent of the project.**
- Landscape Plan.**
- Lighting cut sheets for any proposed building lighting fixtures. (as applicable)**
- Large exterior material samples. (to be brought to the ARB meeting)**
- Any other exhibits which would aid understanding of the design proposal. (as applicable)**
- Pdf files of each document required.**

## Architects Statement of Design

The Springhill Suites + Fairfield Inn is designed to create an integration of dual brands of Marriott hotel properties to create a singular experience and to provide for the long term satisfaction of the guests, minimizing undesirable impacts on the surrounding neighbors. The existing three story hotel located on the site will be converted to a Fairfield Inn and will contain 92 guest rooms. A new four story Springhill Suites hotel will be constructed adjacent to the existing and will contain 88 guest rooms for a total of 180 hotel rooms on the site. An existing underutilized restaurant building on the site will be demolished to create the opportunity for the expansion of the hotel. The building is located within the setback requirements and easements. The site has been designed in keeping with the open space requirements and compliments the neighborhood. The automobile parking remains in the approximate current location and an underground parking level has been created beneath the new Springhill Suites. The site is fully landscaped in order to provide pleasing views from the adjacent roads and properties. Efforts will be made throughout the project to incorporate recycling opportunities.

Site lighting is limited to the parking areas and safety lighting around the hotel and will not illuminate off the site. Care has been taken to minimize spillage of light from the site in consideration of the surrounding property owners.

The building is set back from the roadway to allow for good visibility for vehicular traffic, pedestrians and bicyclers. The parking proposed provides the most direct and safe access to the building. There are proposed access points are located on Conway Road to the south and Chesterfield Parkway East Blvd. to the east. Pedestrian access points to the site are provided from the north and from the south. The trash enclosure will be screened by a minimum 6' tall enclosure constructed of materials similar to the proposed building.

This building has been custom designed for this specific site to enhance the property and existing building including many upgrades. The entirety of the building is made up of a combination brick complimented by exterior insulated finish systems and fiber cement panel accents. The existing building has a sloping roof structure and design features have been added to integrate the new with the old structure. The new building will have a flat roof structure providing a high quality visual appearance for all users within contact of the building. The brick has been selected from a residential collection with a warm earth tone feeling to match the existing brick. The exterior of the new hotel building has been designed using a contemporary style in an appropriate human scale with multiple offsets and material / color changes. All elevations of the existing hotel will be updated to incorporate the contemporary style to create a unified and complementary appearance. A diversity of high quality materials have been used to provide a pleasing and harmonious appearance. The roof parapets have been designed with a variety of heights to create interest and complexity to the building exterior.

This building is designed with efficient systems that allow control over unoccupied rooms adjusting heating and cooling on systems to lower levels when unoccupied. Utility locations and connections to the building have been coordinated so that all utilities are underground or screened from view or landscaped in order to minimize the visual impact on public streets.



Michael F. Sapp  
Environs Architects-Planners



N/F  
HPT IHG 2 PROPERTIES TRUST  
22714/1911  
EXISTING C-8 ZONING  
**SONESTA HOTEL • EVENT CENTER**

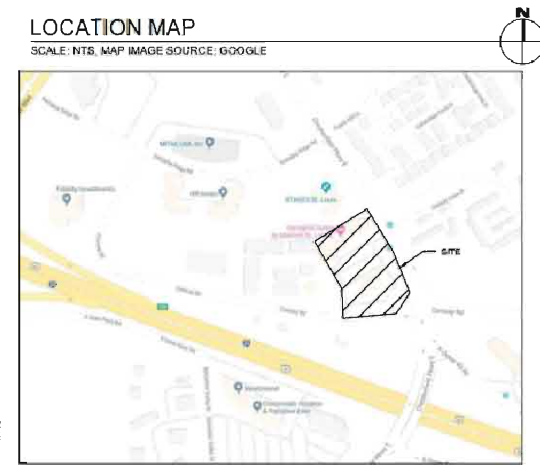
**Proposed Area Calculations**

| Description                                      | Area (ac)   | Percent %      |
|--|-------------|----------------|
| Existing Hotel                                   | 0.40        | 13.95%         |
| Proposed Hotel                                   | 0.32        | 11.28%         |
| Proposed Pavement (not including walks or plaza) | 1.36        | 47.98%         |
| Proposed walks & plaza                           | 0.15        | 5.17%          |
| Proposed Green Space                             | 0.81        | 21.61%         |
| <b>Total</b>                                     | <b>2.84</b> | <b>100.00%</b> |
| <b>Open Space</b>                                | <b>0.76</b> | <b>26.78%</b>  |

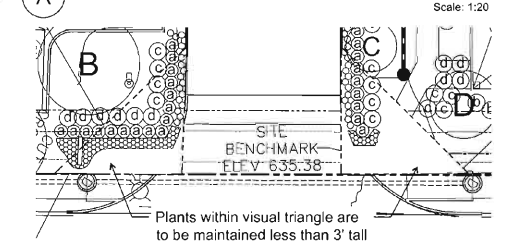
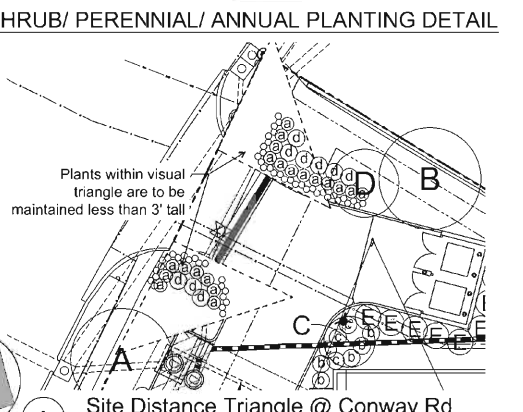
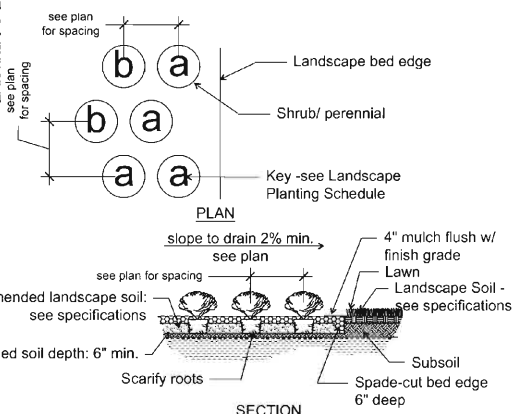
NO TREE TO BE INSTALLED ABOVE UNDERGROUND STORMWATER STRUCTURE -see Civil

NO TREE TO BE INSTALLED ABOVE UNDERGROUND STORM WATER STRUCTURE -SEE CIVIL

LAWN AND IRRIGATION NOTE: ALL LAWN AREAS TO BE SOD. ALL LANDSCAPE AND LAWN AREAS TO BE IRRIGATED WITH AN IN-GROUND AUTOMATIC SPRINKLER SYSTEM.



STAGES ST. LOUIS - K&M CENTER FOR THE PERFORMING ARTS EXISTING PC ZONING



1 Landscape Development Plan

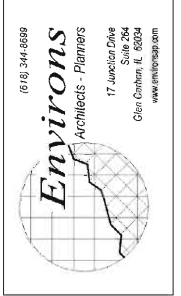
**Tree Planting Schedule/ Summary Table**

| Key | Qty | Common Name            | Botanical Name  | Size      | Type            | Mature Height | Growth Rate  | %   |
|-----|-----|------------------------|---|-----------|-----------------|---------------|--------------|-----|
| A   | 7   | Green Vase Zelkova     | <i>Zelkova serrata</i> 'Green Vase'                         | 2.5" Cal. | Shade Tree      | 45' +         | Medium/ Fast | 11% |
| B   | 10  | Honeylocust 'Sunburst' | <i>Gleditsia triacanthos</i> var. <i>inermis</i> "Suncoole" | 2.5" Cal. | Shade Tree      | 45' +         | Fast         | 16% |
| C   | 8   | Upright Hornbeam       | <i>Carpinus betulus</i> 'Fastigiata'                        | 2.5" Cal. | Ornamental Tree | 35-40' +      | Slow/ Medium | 13% |
| D   | 8   | Redbud                 | <i>Cercis canadensis</i>                                    | 2.5" Cal. | Ornamental Tree | 25-30' +      | Fast         | 13% |
| E   | 11  | Arborvitae             | <i>Thuja occidentalis</i> 'Smaragd'                         | 6" Tall   | Evergreen Tree  | 20-25'        | Fast         | 18% |
| F   | 17  | Juniper Tree           | <i>Juniperus virginiana</i> 'Canaertii'                     | 8" Tall   | Evergreen Tree  | 20-30'        | Medium       | 26% |

- GENERAL NOTES:**
- Plan provided for City of Chesterfield ARB, Planning and Zoning Commission and City Council review and approval.
  - Street trees Req. - 726 H/50 ft = 14.72 or 15 street trees.
  - All street trees will be located at least 3' from existing sidewalk.
  - All street trees will be located at least 10' from all storm sewer structures.
  - All disturbed areas to be sodded
  - An in-ground irrigation system will be provided.

**Shrub, Ornamental Grasses and Perennial Schedule**

|     |     |   |  |        |                       |
|-----|-----|---|--|--------|-----------------------|
| a   | 74  | Boxwood                                 | <i>B. sempervirens</i> 'Green Velvet'        | 20-22" | Ball & Burlap         |
| b   | 22  | Zinfin Doll Hydrangea                   | <i>Hydrangea paniculata</i> 'SMNHPRZEP'      | 5 Gal. | from Monrovia Nursery |
| c   | 46  | Dwarf Hydrangea                         | <i>Hydrangea paniculata</i> 'LITTLE LAMP'    | 5 Gal. | from Monrovia Nursery |
| d   | 45  | Amethyst                                | <i>Calliopsis dichotoma</i> 'Early Amethyst' | 5 Gal. |                       |
| e   | 28  | Red Switch Grass                        | <i>Panicum virgatum</i> 'Shenandoah'         | 1 Gal. |                       |
| f   | 29  | Skyrocket Juniper                       | <i>Juniper 'Skyrocket'</i>                   | 7 Gal. | 4-5' Tall             |
| g   | 28  | Gold Tip Juniper                        |  | 5 Gal. |                       |
| aa  | 39  | Purple Cone Flower                      | <i>Echinacea purpurea</i> 'Prairie Splendor' | 1 Gal. | 24" OC                |
| bb  | 62  | Variegated Linope                       | <i>Linope muscan</i> 'Variegated'            | 1 Gal. | 24" OC                |
| cc  | 12  | Black Eyed Susan                        | <i>Rudbeckia fulgida</i> 'Goldstrum'         | 1 Gal. | 24" OC                |
| dd  | 39  | Lily Turf                               | <i>Linope speciosa</i>                       | 1 Qt.  | 18" OC                |
| 455 | +/- | Sq. Ft. Annuals                         | Field select by owner                        | 1 Qt.  | 8" OC                 |
| 148 | +/- | Lin. Ft. Tree Protection Fence          | -see detail this sheet                       |        |                       |
| tbd | +/- | Sq. Ft. Mulch -Double Ground Bark Mulch |  |        |                       |
| tbd | +/- | Sq. Ft. Lawn -Fescus Sod                |  |        |                       |
| tbd | +/- | Sq. Ft. Landscape Rock w/ Weed Fabric   |  |        |                       |
| tbd | +/- | Lin. Ft. Metal Edging                   |  |        |                       |



JOB NO. 18016

DATE: DECEMBER 6, 2018  
REVISED:

A NEW HOTEL + CONVERSION FOR:  
**SPRINGHILL SUITES + FAIRFIELD INN**  
 BY MARRIOTT  
 CHESTERFIELD, MO  
 SITE LANDSCAPING PLAN

SHEET  
**L0.01**  
OF XX





- |   |        |   |                      |
|---|--------|---|----------------------|
|  | BRICK  |    | EIFS 4               |
|  | EIFS 1 |    | FIBER CEMENT SIDING  |
|  | EIFS 2 |    | WINDOWS + STOREFRONT |
|  | EIFS 3 |    | SHINGLE ROOFING      |
|   |        |  | GLASS                |



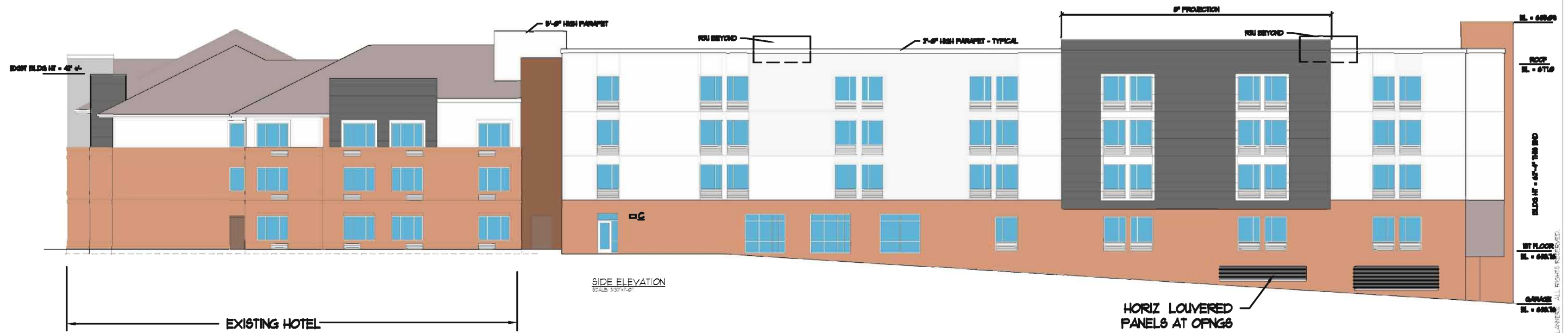
(616) 344-6889  
**Environs**  
 Architects - Planners  
 17 Junction Drive  
 Suite 204  
 Glen Carbon, IL 62034  
 www.environspa.com

JOB NO:  
 18016  
 DATE:  
 FEBRUARY 18, 2020  
 REVISED:  
**OCTOBER 29, 2019**

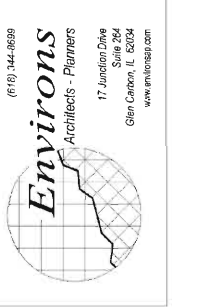
A NEW HOTEL + CONVERSION FOR:  
**SPRINGHILL SUITES + FAIRFIELD INN**  
 C-RESTERFIELD, MO  
 BY MARRIOTT  
 EXTERIOR BUILDING ELEVATIONS

SHEET  
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- BRICK
- EIFS 1
- EIFS 2
- EIFS 3
- EIFS 4
- FIBER CEMENT SIDING
- WINDOWS + STOREFRONT
- SHINGLE ROOFING
- GLASS

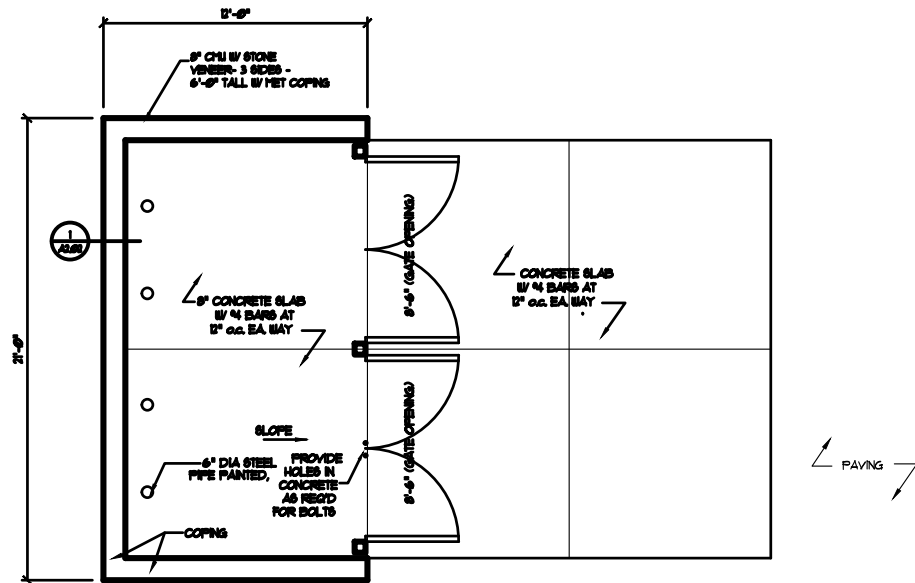


JOB NO. 18016  
 DATE: FEBRUARY 18, 2020  
 REVISED: OCTOBER 29, 2019

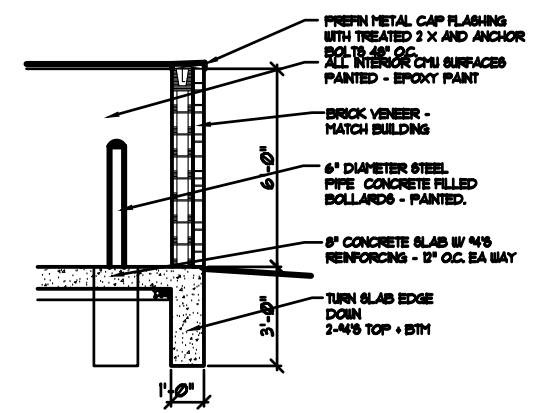
A NEW HOTEL + CONVERSION FOR:  
**SPRINGHILL SUITES + FAIRFIELD INN**  
 BY MARRIOTT  
 EXTERIOR BUILDING ELEVATIONS  
 CHESTERFIELD, MO

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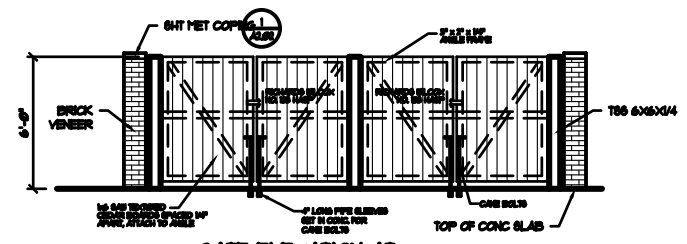
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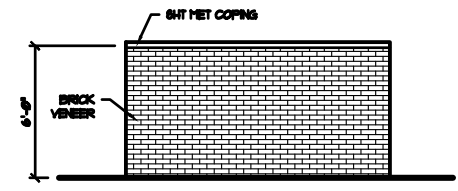
**TRASH ENCLOSURE**  
SCALE: 1/4" = 1'-0"



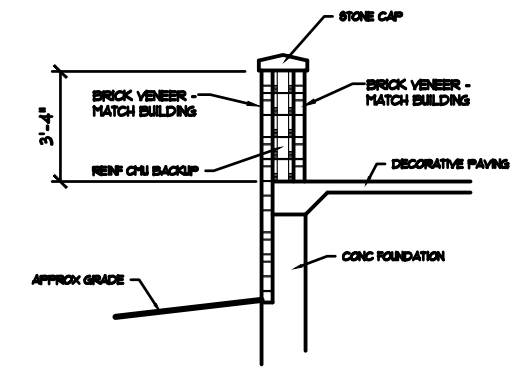
**SECTION THRU TRASH ENCLOSURE**  
SCALE: 3/8" = 1'-0"



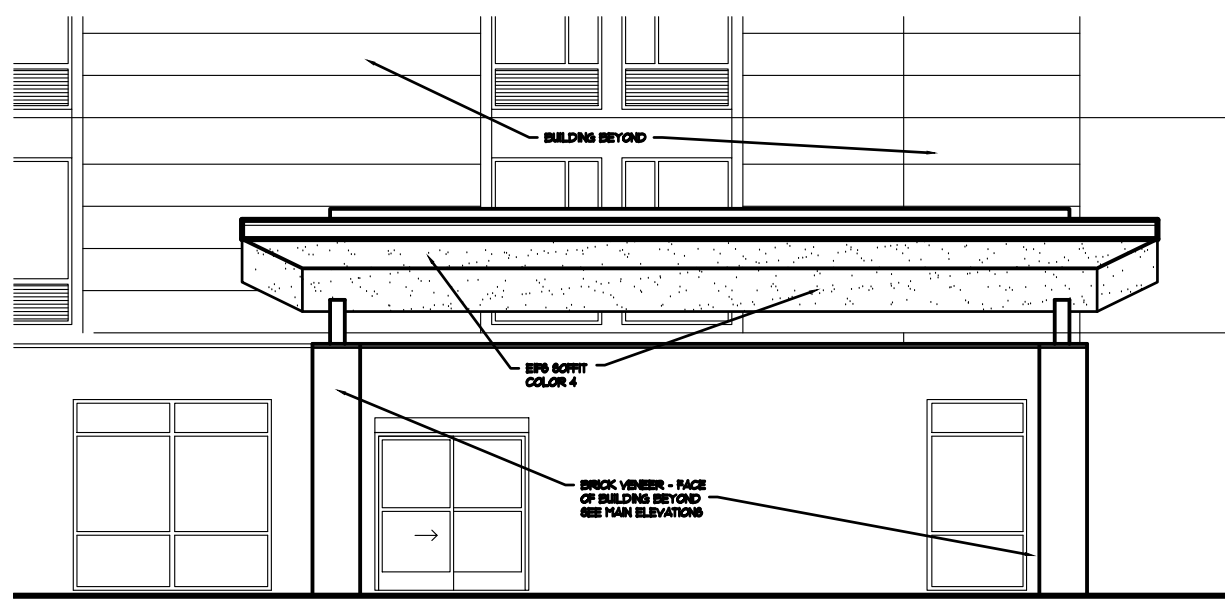
**GATE ELEVATION AT TRASH ENCLOSURE**  
SCALE: 1/4" = 1'-0"



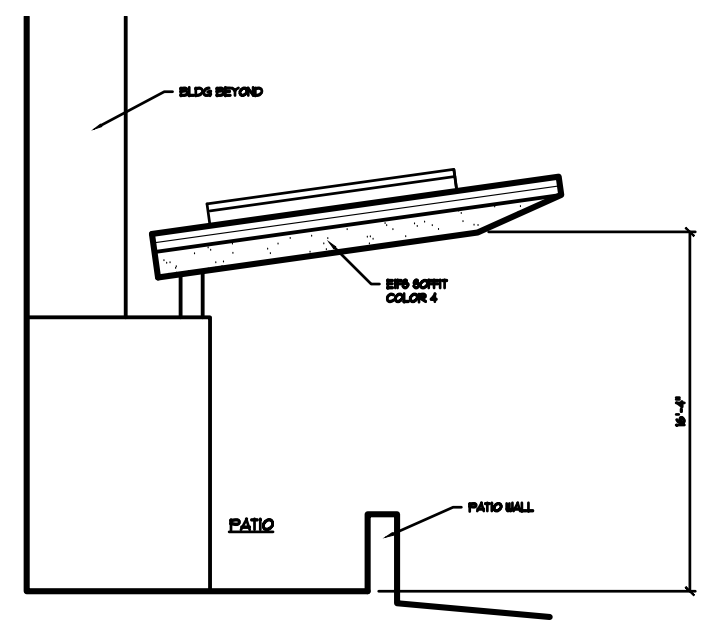
**SIDE ELEVATION AT TRASH ENCLOSURE**  
SCALE: 1/4" = 1'-0"



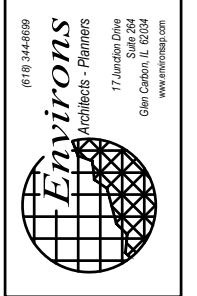
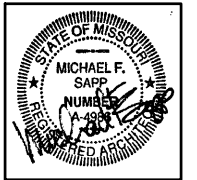
**SECTION THRU PATIO WALL AT FRONT**  
SCALE: 3/8" = 1'-0"



**FRONT ELEVATION - CANOPY**  
SCALE: 1/4" = 1'-0"



**SIDE ELEVATION - CANOPY**  
SCALE: 1/4" = 1'-0"



JOB NO.  
**18016**

DATE:  
**FEBRUARY 10, 2020**

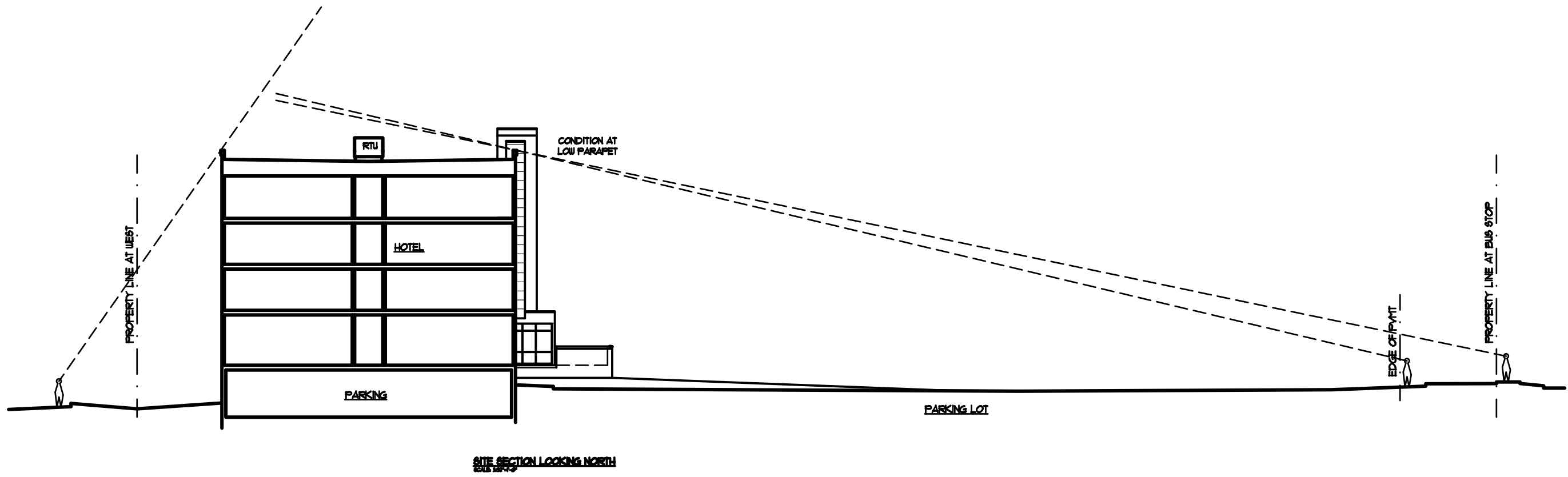
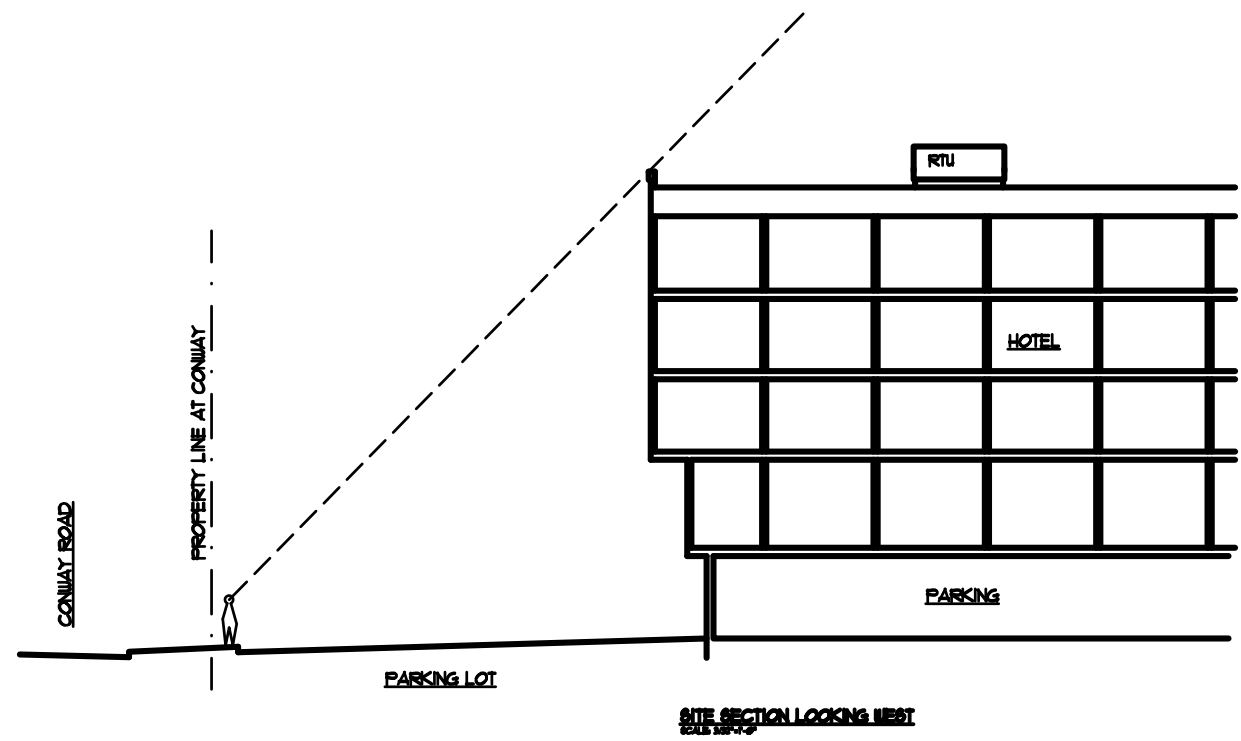
REVISED:  
**OCTOBER 29, 2019**

SPRINGHILL SUITES + FAIRFIELD INN  
CHESTERFIELD, MO

A NEW HOTEL + CONVERSION FOR:  
BY MARRIOTT

ENVIRON ARCHITECTS - PLANNERS. ALL RIGHTS RESERVED.

SHEET  
**A2.03**  
OF XX



JOB NO.  
18016

DATE:  
FEBRUARY 18, 2020  
REVISED:

A NEW HOTEL + CONVERSION FOR:  
**SPRINGHILL SUITES + FAIRFIELD INN**  
BY MARRIOTT  
CHESTERFIELD, MO

SHEET  
**A2.04**  
OF XX

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**SITE LINE STUDY**





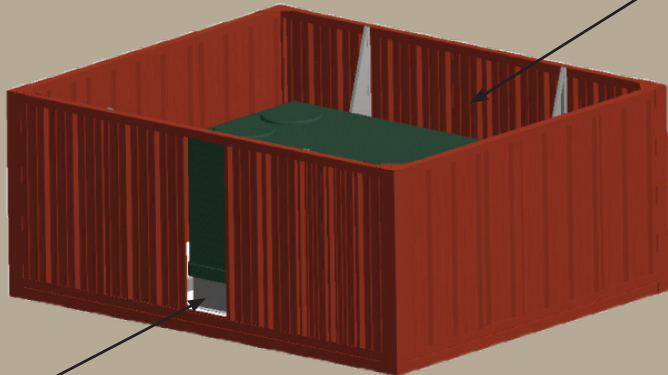
**CURBS PLUS, INC.**



**NuVue**  
Screen Systems

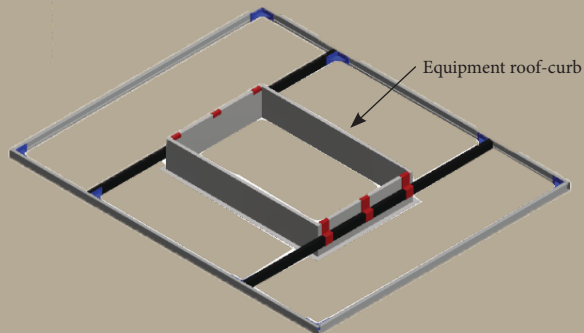
# Eliminate unsightly equipment now; with NuVue Equipment Screens by Curbs Plus, Inc.

Entire screen system can be installed in hours (not days like some systems). All parts come pre-manufactured to the needed size. “No field fabricated erector set with our system.”



The NuVue system provides the needed clearance for the operation of rooftop equipment.

The Screen attaches to the equipment's roof curb and not the unit itself in most applications. This minimizes any potential liability the screen installer could have if the rooftop equipment needs repair.



Panels slide open on all sides for easy access and serviceability of rooftop equipment.

**NuVue**  
Screen Systems



Kansas City, MO



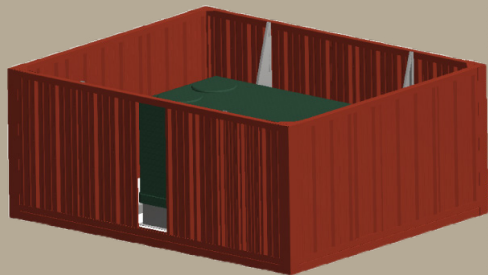
Excelsior Springs, MO



Saint Louis, MO

**NuVue**  
Screen Systems

# Screen Configurations



Typical 4 sided screen

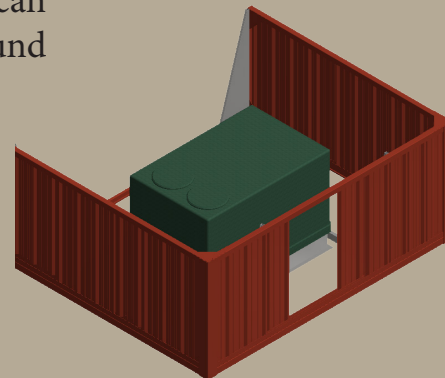


Screen being installed to avoid existing roof piping.

The NuVue Screen System can be configured to work around most field conditions.



Installation of screen around unit with pipe-chase.

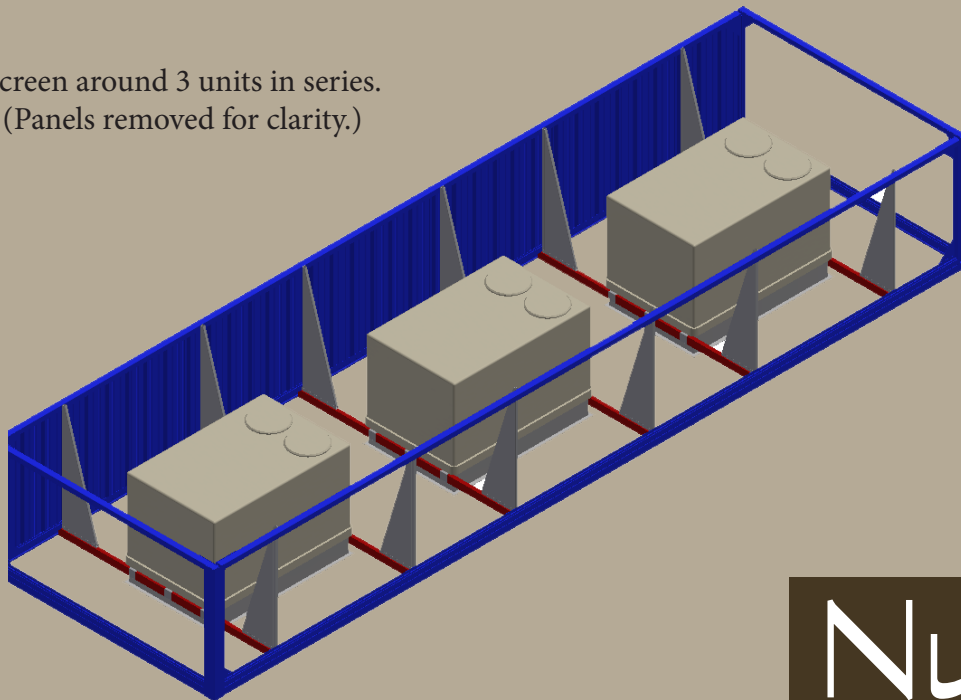


Typical 3 sided screen

# Screen Configurations

(Continued)

Screen around 3 units in series.  
(Panels removed for clarity.)





Blacksburg, VA



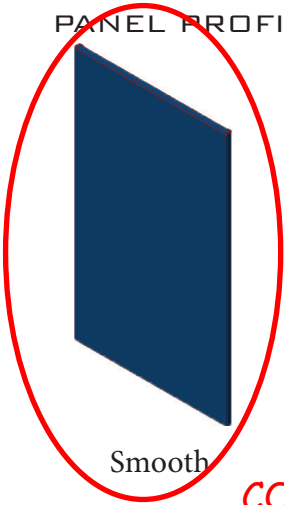
Richmond, VA



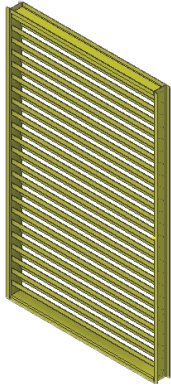
Charlotte, NC

NuVue  
Screen Systems

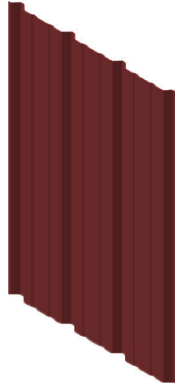
PANEL PROFILE OPTIONS



Smooth



Louvered



Shadow



Corrugated  
(base)

COLOR TO MATCH EIFS #1

OPTIONAL TRIM PROFILES

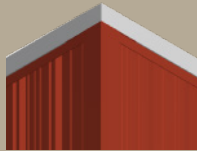
FLAT



STAIRCASE



“V”



STANDARD SCREEN AND TRIM COLORS\*

Royal Blue



Evergreen



Terra Cotta



Dark Bronze



Slate Gray



Surrey Beige



Warm White



Regal White



\*The NuVue Screen System is available in standard and custom painted finishes.

## ORSOGRIL Fencing: Talía® Ventus Louvered Panels

Thanks to the specific profiles, this product brings together elegance and privacy. With its refined design and the capability to preserve privacy, Talía® Ventus represents a typical product of Italian tradition, where attention to detail is a guarantee of quality and beauty. Talía® Ventus is the only louvered fencing system certified for wind load, a characteristic the latter, granted by the post and panel integration, making the system even quicker and easier to install.

### TECHNICAL DETAILS

#### Dimensions

- Mesh 1 13/16" x 5 13/64"
- Horizontal Talía® profiles
- Vertical round bars 5/32"

#### Material

- S235JR UNI EN 10025 Steel

#### Coating

- Hot-dip galvanizing according to UNI EN ISO 1461
- Painting with polyester resins

#### Colors

- RAL 6005 green, other RAL colors available on demand

#### Fixing System

- TTQST M25/64" x 3/16" stainless steel security bolt

#### Posts

- 3 5/32" x 5/16" flat bar posts for concrete anchoring

#### Gates

- Single, double or sliding leaf gates

#### APPLICATIONS

- Luxury housing
- Technical areas
- Public buildings

### PRODUCT SPECIFICATIONS

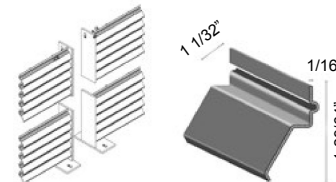
Talía® Ventus fencing consists of modular monolithic panels, 1 13/16" x 5 13/64" mesh, special section horizontal profiles (centers distance 1 13/16" ), 5/32" diameter round vertical joining bars (centers distance 5 13/64").

3 5/32" x 5/16" flat bar posts welded at the ends, making up one single unit ready for installation, with per-drilled holes to fix consecutive panels. Post centers distance: 5'-4 61/64"- 6'-6 47/64"

Finish: painting with polyester resins on hot galvanized material according to UNI EN ISO 1461.



### ACCESSORIES



| PANEL       |             |        |                   | POST            |               | Post to be set in concrete |              | Post with base plate |              |
|-------------|-------------|--------|-------------------|-----------------|---------------|----------------------------|--------------|----------------------|--------------|
| H           | L           | Weight |                   | Section         | Fixing points | L                          | Weight galv. | L                    | Weight galv. |
| inch        | inch        | kg/ea  | kg/m <sup>2</sup> | inch            | n°            | inch                       | kg/ea        | inch                 | kg/ea        |
| 3'-1 9/16"  | 5'-4 61/64" | 36.9   | 23.5              | 3 5/32" x 5/16" | 3             | 3'-11 1/4"                 | 6.6          | 3'-3 13/32"          | 6.2          |
| 3'-1 9/16"  | 6'-6 47/64" | 41.9   | 22.0              | 3 5/32" x 5/16" | 3             | 3'-11 1/4"                 | 6.6          | 3'-3 13/32"          | 6.2          |
| 5'-2 53/64" | 5'-4 61/64" | 60.0   | 22.8              | 3 5/32" x 5/16" | 3             | 6'-53/64"                  | 10.2         | 5'-4 11/16"          | 9.8          |
| 5'-2 53/64" | 6'-6 47/64" | 68.6   | 21.5              | 3 5/32" x 5/16" | 3             | 6'-53/64"                  | 10.2         | 5'-4 11/16"          | 9.8          |
| 6'-5 9/32"  | 5'-4 61/64" | 74.1   | 22.9              | 3 5/32" x 5/16" | 3             | 7'-6 35/64"                | 12.7         | 6'-5 9/64"           | 11.8         |
| 6'-5 9/32"  | 6'-6 47/64" | 84.8   | 21.6              | 3 5/32" x 5/16" | 3             | 7'-6 35/64"                | 12.7         | 6'-5 9/64"           | 11.8         |





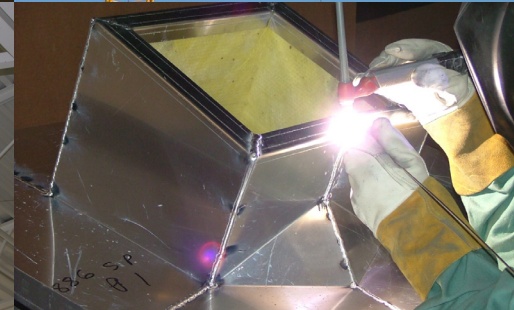


# **CURBS PLUS, INC.**

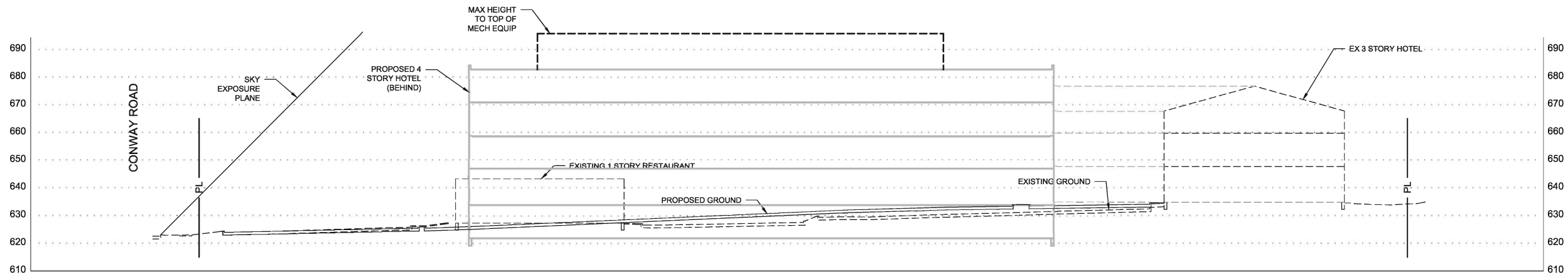
[www.curbsplus.com](http://www.curbsplus.com)

888.639.2872 toll free

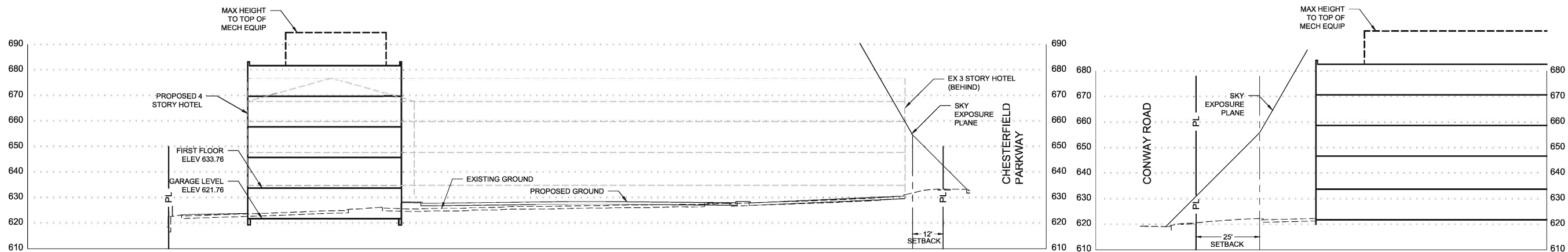
706.866.2339 fax







SECTION A-A  
(NORTH - SOUTH)



SECTION B-B  
(EAST - WEST)

SECTION C-C  
SKY EXPOSURE PLANE

**ATTACHMENT A**

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein.

**I. SPECIFIC CRITERIA**

**A. PERMITTED USES**

- The uses allowed in this Planned Commercial District shall be:
  - Hotel and Motel
  - Restaurant, sit-down
- Hours of Operation.
  - Hours of operation for this "PC" District shall not be restricted.
- Telecommunication facilities siting permits may be issued for wireless telecommunications facilities per the requirements of the City Code.

**B. FLOOR AREA, HEIGHT, BUILDING AND PARKING STRUCTURE REQUIREMENTS**

**1. Floor Area**

- If the hotel and motel use is developed in conjunction with the standalone use "restaurant, sit down," the hotel shall not exceed three (3) stories and a room count of ninety-two (92) rooms. Building height shall be measured from the average finished ground elevation of each building and shall be exclusive of rooftop mechanical equipment and screening. The total gross floor area of the freestanding sit-down restaurant shall not exceed 5,400 square feet.
- If the hotel and motel use is not developed in conjunction with the standalone use "restaurant, sit down," the hotel shall not exceed four (4) stories and a room count of two hundred (200) rooms. Building height shall be measured from the average finished ground elevation of each building and shall be exclusive of rooftop mechanical equipment and screening.

**2. Height**

The maximum height of the building, exclusive of rooftop mechanical equipment and screening, shall not exceed 65 feet.

**3. Building Requirements**

- A minimum of 26% open space is required for this development.
- This development shall have a maximum F.A.R. of 0.86.

**C. SETBACKS**

**1. Structure Setbacks**

- No building or structure, other than: a freestanding project identification sign, light standards, or flag poles will be located within the following setbacks:
- 25 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
  - 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
  - 10 feet from the northern boundary of the "PC" District.
  - 10 feet from the western boundary of the "PC" District.

**2. Parking Setbacks**

- No parking stall, loading space, internal driveway, or roadway, except points of ingress or egress, will be located within the following setbacks:
- 10 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
  - 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
  - 5 feet from the western boundary of the "PC" District.
  - Parking shall not be permitted along the northern boundary of the "PC" District.

**D. PARKING AND LOADING REQUIREMENTS**

- Parking and loading spaces for this development will be as required in the City of Chesterfield Code.
- Parking lots shall not be used as streets.

- No construction related parking shall be permitted within right of way or on any existing roadways. All construction related parking shall be confined to the development.
- Provide adequate temporary off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions.

**E. LANDSCAPE AND TREE REQUIREMENTS**

- The development shall adhere to the Landscape and Tree Preservation Requirements of the City of Chesterfield Code.
- The width of the required landscape buffers along Conway Road and Chesterfield Parkway East shall correspond to the parking setbacks.

**F. SIGN REQUIREMENTS**

- Signs shall be permitted in accordance with the regulations of the City of Chesterfield Code or a Sign Package may be submitted for the planned district. Sign Packages shall adhere to the City Code and are reviewed and approved by the City of Chesterfield Planning Commission.
- Ornamental Entrance Monument construction, if proposed, shall be reviewed by the City of Chesterfield, and/or the St. Louis County Department of Transportation (or MoDOT), for sight distance considerations prior to installation or construction.

**G. LIGHT REQUIREMENTS**

Provide a lighting plan and cut sheet in accordance with the City of Chesterfield Code.

**H. ARCHITECTURAL**

- The development shall adhere to the Architectural Review Standards of the City of Chesterfield Code.
- Trash enclosures: All exterior trash areas will be enclosed with a minimum six (6) foot high sight-proof enclosure complemented by adequate landscaping. The location, material, and elevation of any trash enclosures will be as approved by the City of Chesterfield on the Site Development Plan.

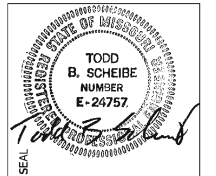
**I. ACCESS/ACCESS MANAGEMENT**

- Access to the development shall be as shown on the Preliminary Site Plan and adequate sight distance shall be provided, as directed by the City of Chesterfield, and St. Louis County Department of Transportation, as applicable.
- If adequate sight distance cannot be provided at the access location(s), acquisition of right-of-way, reconstruction of pavement and other off-site improvements may be required to provide the required sight distance as required by the City of Chesterfield and the agency in control of the right of way off which the access is proposed.

**J. PUBLIC/PRIVATE ROAD IMPROVEMENTS, INCLUDING PEDESTRIAN CIRCULATION**

- Any request to install a gate at the entrance to this development must be approved by the City of Chesterfield and the agency in control of the right of way off of which the entrance is constructed. No gate installation will be permitted on public right of way.
- Existing sidewalk along Chesterfield Parkway and Conway Road shall remain and at the time of construction shall be evaluated and updated, as necessary, to conform to ADA standards. The sidewalk shall provide for future connectivity to adjacent developments and/or roadway projects and shall provide an internal connection from the existing sidewalk onto the site as shown on the Preliminary Plan.
- Prior to improvement / construction plan approval, the engineer shall provide a signed and sealed note on the plans for both residential and commercial projects, stating that the unimproved existing sidewalk/pedestrian path along the project frontage meets current St. Louis County / ADA Standards.
- Obtain approvals from the City of Chesterfield and the St. Louis County Department of Transportation as necessary for locations of proposed curb cuts and access points, areas of new dedication, and roadway improvements.
- Improve Chesterfield Parkway East right-of-way, as directed by the Saint Louis County Department of Transportation.
- Additional right-of-way and road improvements shall be provided, as required by the St. Louis County Department of Transportation and the City of Chesterfield.

The Professional Engineer's seal and signature apply only to the work specifically identified in this report. The Engineer expressly disclaims any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part of the engineering project.  
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CHESTERFIELD VILLAGE  
LODGING, LLC  
1850 CRAIGSHIRE, SUITE 103  
ST LOUIS, MO 63146

AMENDED SITE DEVELOPMENT PLAN  
SPRINGHILL SUITES / FAIRFIELD SUITES  
1065 East Chesterfield Parkway  
Chesterfield, Missouri 63017  
A TRACT OF LAND BEING NEW PARCEL A OF A RESUBDIVISION OF ADJUSTED LOT 3C OF A BOUNDARY ADJUSTMENT PLAT OF LOTS 3B AND 3C OF THE SUBDIVISION OF LOT OF HERMAN STEINME OFFICE PARK, PB 345 PG 482 OF THE ST LOUIS COUNTY RECORDS.

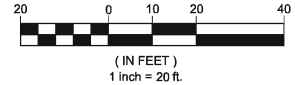
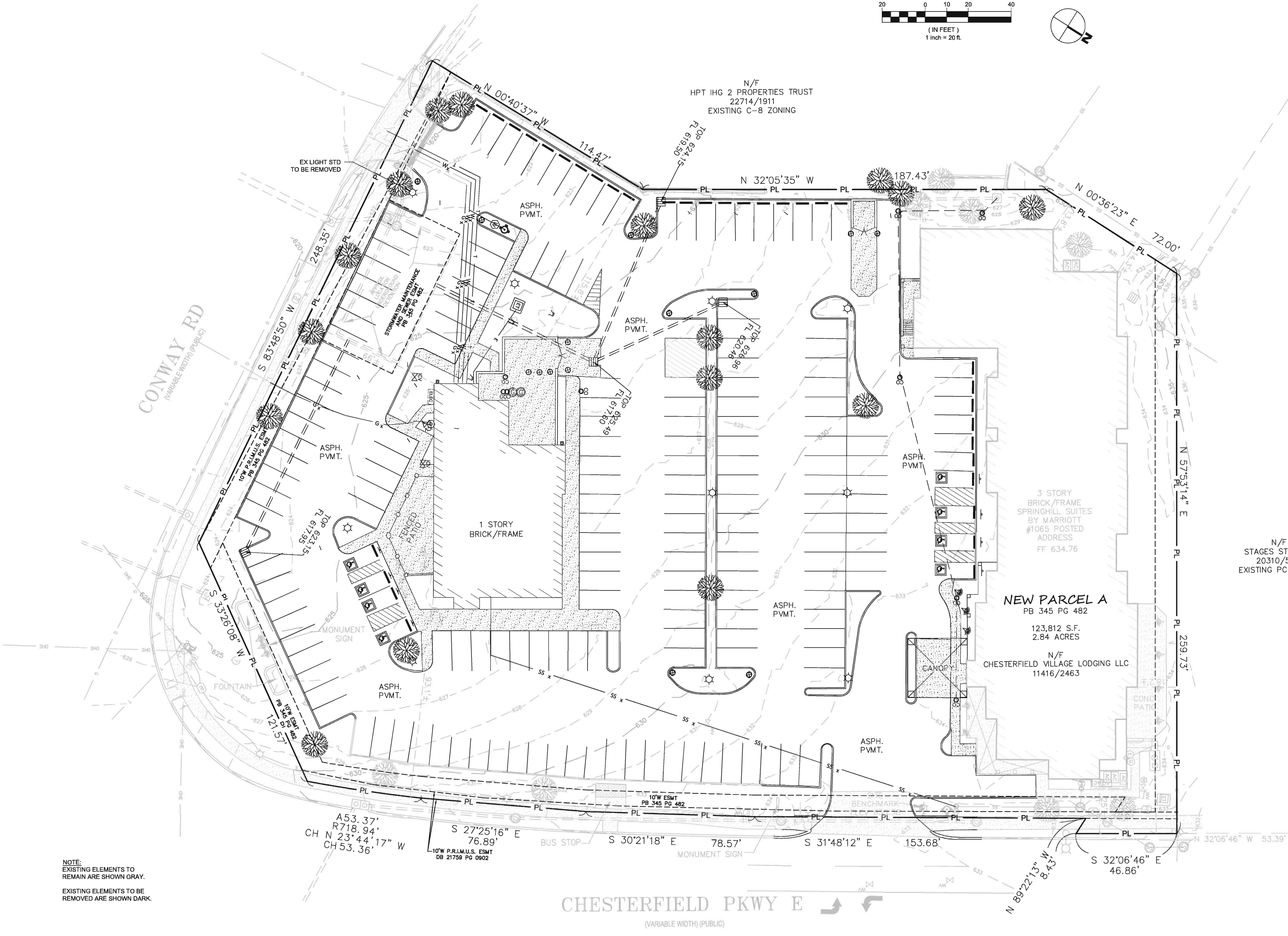
**PRELIMINARY - NOT FOR CONSTRUCTION**

| ISSUE DATE | DESCRIPTION              |
|------------|--------------------------|
| 11-27-2019 | Revision - City Comments |

|             |              |
|-------------|--------------|
| JOB NO:     | CV18-0409.00 |
| DRAWN BY:   | GAS          |
| CHECKED BY: | TBS          |
| DATE:       | 10/28/2019   |

SHEET NO.  
SITE SECTIONS &  
ORDINANCE

**C003**



NOTE:  
EXISTING ELEMENTS TO  
REMAIN ARE SHOWN GRAY.  
EXISTING ELEMENTS TO BE  
REMOVED ARE SHOWN DARK.

N/F  
HPT IHG 2 PROPERTIES TRUST  
22714/1911  
EXISTING C-8 ZONING

3 STORY  
BRICK /FRAME  
SPRINGHILL SUITES  
BY MARRIOTT  
#1065 POSTED  
ADDRESS  
FF 634.76

**NEW PARCEL A**  
PB 345 PG 482  
123,812 S.F.  
2.84 ACRES  
N/F  
CHESTERFIELD VILLAGE LODGING LLC  
11416/2463

N/F  
STAGES ST LOUIS  
20310/5581  
EXISTING PC ZONING

**CHESTERFIELD PKWY E**  
(VARIABLE WIDTH) (PUBLIC)

**PRELIMINARY - NOT FOR CONSTRUCTION**

AMENDED SITE DEVELOPMENT PLAN  
**SPRINGHILL SUITES / FAIRFIELD SUITES**  
1065 East Chesterfield Parkway  
Chesterfield, Missouri 63017  
A TRACT OF LAND BEING NEW PARCEL A OF A RESUBDIVISION OF ADJUSTED  
LOT 3C OF A BOUNDARY ADJUSTMENT PLAT OF LOTS 3B AND 3C OF THE  
SUBDIVISION OF LOT OF HERMAN STEINME OFFICE PARK, PB 345 PG 482 OF THE  
ST LOUIS COUNTY RECORDS.

| ISSUE DATE | DESCRIPTION              |
|------------|--------------------------|
| 11-27-2019 | Revision - City Comments |

|             |                    |
|-------------|--------------------|
| JOB NO:     | CV18-0409.00       |
| DRAWN BY:   | GAS                |
| CHECKED BY: | TBS                |
| DATE:       | 10/28/2019         |
| SHEET NO.   | EXISTING SITE PLAN |

**C001**

The Professional Engineer's seal and signature apply only to the work specifically identified in this document. The Engineer expressly disclaims any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part of the engineering project.  
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**G&W ENGINEERING**  
18 WILSON PARKWAY  
ST. LOUIS, MO 63145  
631-466-3377  
PROJECT NUMBER: CV18-0409.00  
MEMBERSHIP: STATE OF MISSOURI, LICENSE # E-24757

CHESTERFIELD VILLAGE LODGING, LLC  
1850 CRAIGSHIRE, SUITE 103  
ST LOUIS, MO 63146

THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.

\* MAXIMUM BUILDING HEIGHT IS TO ROOF LEVEL AND DOES NOT INCLUDE PARAPETS, SCREENS, OR MECHANICAL EQUIPMENT

- NOTES:
- ITEMS SHOWN GRAY (BACKGROUND) ARE EXISTING ITEMS TO REMAIN AND BE USED IN PLACE. SEE C001.
  - ALL EXISTING LIGHT STANDARDS ON-SITE ARE TO BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED. SEE ATTACHED LIGHTING PLAN.
  - AN OPPORTUNITY FOR RECYCLING WILL BE PROVIDED IN ACCORDANCE WITH ORDINANCE 3055 REQUIREMENTS.



N/F  
HPT IHG 2 PROPERTIES TRUST  
22714/1911  
EXISTING C-8 ZONING

CONWAY RD  
(VARIABLE WIDTH) (PUBLIC)

EXISTING FOUNTAIN TO REMAIN (USE IN PLACE)

EXISTING LIGHT STANDARD TO REMAIN (USE IN PLACE)

A53.37'  
R718.94'  
CH N 23°44'17" W  
CH 53.36'

S 27°25'16" E  
76.89'

EXISTING BUS STOP TO REMAIN (USE IN PLACE)

EXISTING LIGHT STANDARD TO REMAIN (USE IN PLACE)

S 30°21'18" E 78.57'

CHESTERFIELD PKWY E  
(VARIABLE WIDTH) (PUBLIC)

S 31°48'12" E 153.68'

EXISTING LIGHT STANDARD TO REMAIN (USE IN PLACE)

EXISTING FIRE HYDRANT TO REMAIN (USE IN PLACE)

S 32°06'46" E 46.86'

EXISTING LIGHT STANDARD TO REMAIN (USE IN PLACE)

NEW PARCEL A  
PB 345 PG 482

123,812 S.F.  
2.84 ACRES

N/F  
CHESTERFIELD VILLAGE LODGING LLC  
11416/2463

EXISTING 3-STORY HOTEL  
92 ROOMS  
HEIGHT ±42'

3 STORY BRICK / FRAME  
SPRINGHILL SUITES  
BY MARRIOTT  
#1065 POSTED ADDRESS  
FF 634.76

N/F  
STAGES ST LOUIS  
20310/5581  
EXISTING PC ZONING

RETAINING WALL

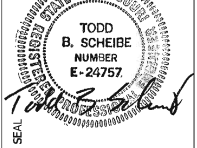
4-STORY HOTEL  
88 ROOMS - HEIGHT ±62'  
FIRST LEVEL FF 633.76  
GARAGE LEVEL FF 622.76

N 00°36'23" E 72.00'

N 32°05'35" W 187.43'

S 83°48'50" W 248.35'

N 00°40'37" W



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**G&W ENGINEERING**  
185 WILDON PARKWAY  
ST. LOUIS, MO 63143  
PROJECT NUMBER: CV18-040900  
GEOGRAPHIC INFORMATION SYSTEMS CONTRACT # 20200202

CHESTERFIELD VILLAGE  
LODGING, LLC  
1850 CRAIGSHIRE, SUITE 103  
ST LOUIS, MO 63146

AMENDED SITE DEVELOPMENT PLAN  
SPRINGHILL SUITES / FAIRFIELD SUITES

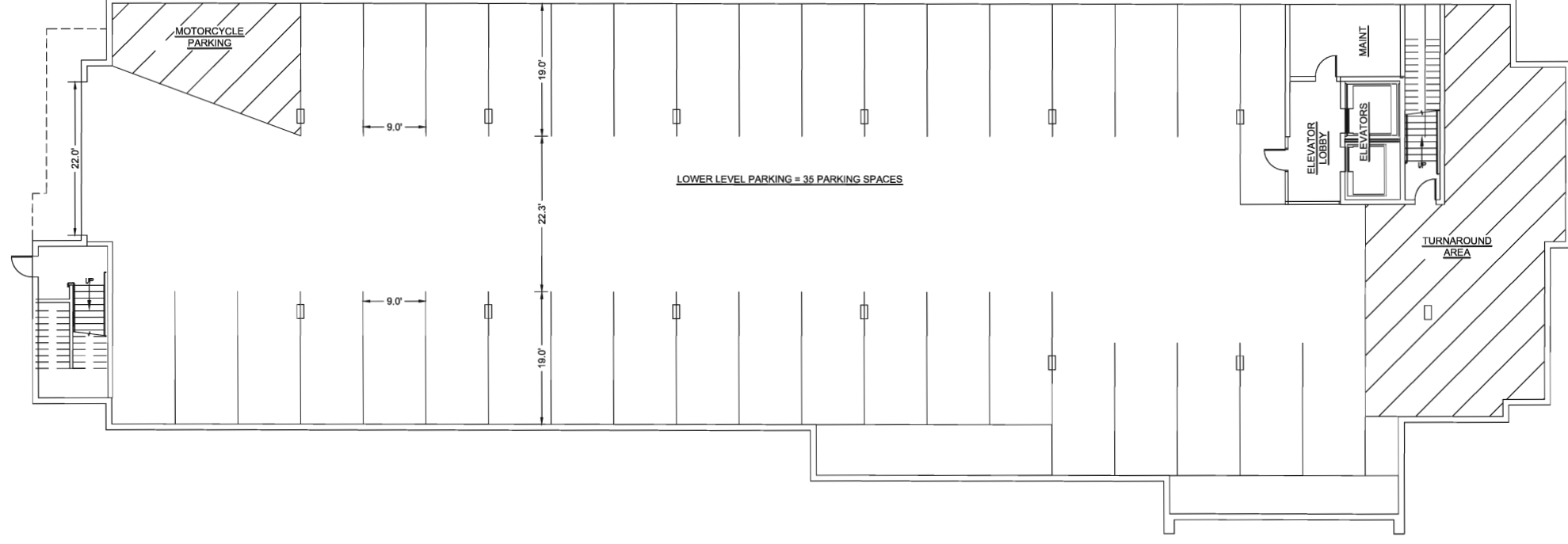
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A TRACT OF LAND BEING NEW PARCEL A OF A RESUBDIVISION OF ADJUSTED LOT 3C OF A BOUNDARY ADJUSTMENT PLAT OF LOTS 3B AND 3C OF THE SUBDIVISION OF LOT OF HERMAN STEINME OFFICE PARK, PB 345 PG 482 OF THE ST LOUIS COUNTY RECORDS.

| ISSUE DATE | DESCRIPTION              |
|------------|--------------------------|
| 11-27-2019 | Revision - City Comments |

|             |                       |
|-------------|-----------------------|
| JOB NO:     | CV18-0409.00          |
| DRAWN BY:   | GAS                   |
| CHECKED BY: | TBS                   |
| DATE:       | 10/28/2019            |
| SHEET NO.   | SITE DEVELOPMENT PLAN |

**PRELIMINARY - NOT FOR CONSTRUCTION**

**C002**



LOWER LEVEL PARKING  
SCALE: 1" = 10'

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**G&W ENGINEERING**  
185 WILSON PARKWAY  
ST. LOUIS, MO 63146  
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MISSOURI STATE CERTIFICATE OF AGENCY # 2009007

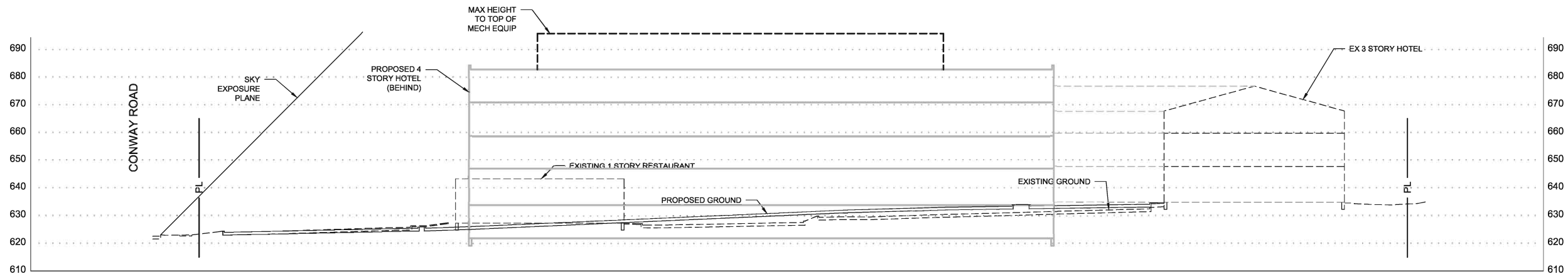
CHESTERFIELD VILLAGE  
LODGING, LLC  
1850 CRAIGSHIRE, SUITE 103  
ST LOUIS, MO 63146

AMENDED SITE DEVELOPMENT PLAN  
**SPRINGHILL SUITES / FAIRFIELD SUITES**  
1065 East Chesterfield Parkway  
Chesterfield, Missouri 63017  
A TRACT OF LAND BEING NEW PARCEL A OF A RESUBDIVISION OF ADJUSTED LOT 3C OF A BOUNDARY ADJUSTMENT PLAT OF LOTS 3B AND 3C OF THE SUBDIVISION OF LOT OF HERMAN STEMME OFFICE PARK, PB 345 PG 482 OF THE ST LOUIS COUNTY RECORDS.

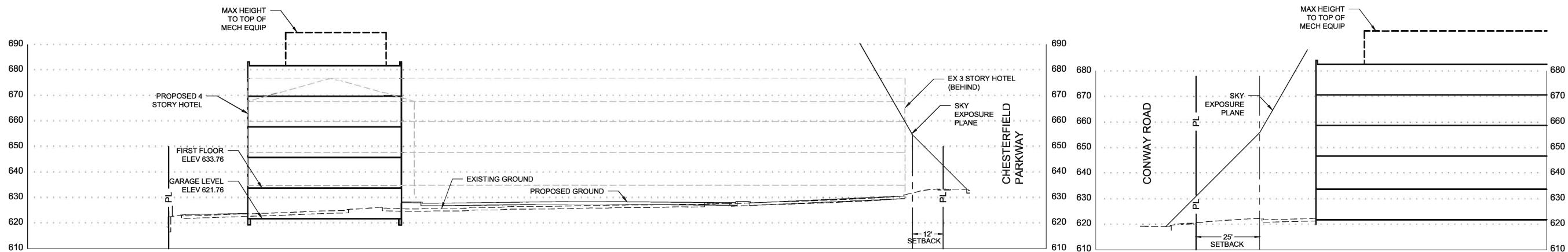
**PRELIMINARY - NOT FOR CONSTRUCTION**

| ISSUE DATE | DESCRIPTION              |
|------------|--------------------------|
| 11-27-2019 | Revision - City Comments |
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|            |                          |
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|              |                          |
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| JOB NO:      | CV18-0409.00             |
| DRAWN BY:    | GAS                      |
| CHECKED BY:  | TBS                      |
| DATE:        | 10/28/2019               |
| SHEET NO.    | LOWER LEVEL PARKING PLAN |
| <b>C002A</b> |                          |



SECTION A-A  
(NORTH - SOUTH)



SECTION B-B  
(EAST - WEST)

SECTION C-C  
SKY EXPOSURE PLANE

**ATTACHMENT A**

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein.

**I. SPECIFIC CRITERIA**

**A. PERMITTED USES**

- The uses allowed in this Planned Commercial District shall be:
  - Hotel and Motel
  - Restaurant, sit-down
- Hours of Operation.
  - Hours of operation for this "PC" District shall not be restricted.
- Telecommunication facilities siting permits may be issued for wireless telecommunications facilities per the requirements of the City Code.

**B. FLOOR AREA, HEIGHT, BUILDING AND PARKING STRUCTURE REQUIREMENTS**

**1. Floor Area**

- If the hotel and motel use is developed in conjunction with the standalone use "restaurant, sit down," the hotel shall not exceed three (3) stories and a room count of ninety-two (92) rooms. Building height shall be measured from the average finished ground elevation of each building and shall be exclusive of rooftop mechanical equipment and screening. The total gross floor area of the freestanding sit-down restaurant shall not exceed 5,400 square feet.
- If the hotel and motel use is not developed in conjunction with the standalone use "restaurant, sit down," the hotel shall not exceed four (4) stories and a room count of two hundred (200) rooms. Building height shall be measured from the average finished ground elevation of each building and shall be exclusive of rooftop mechanical equipment and screening.

**2. Height**

The maximum height of the building, exclusive of rooftop mechanical equipment and screening, shall not exceed 65 feet.

**3. Building Requirements**

- A minimum of 26% open space is required for this development.
- This development shall have a maximum F.A.R. of 0.86.

**C. SETBACKS**

**1. Structure Setbacks**

- No building or structure, other than: a freestanding project identification sign, light standards, or flag poles will be located within the following setbacks:
- 25 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
  - 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
  - 10 feet from the northern boundary of the "PC" District.
  - 10 feet from the western boundary of the "PC" District.

**2. Parking Setbacks**

- No parking stall, loading space, internal driveway, or roadway, except points of ingress or egress, will be located within the following setbacks:
- 10 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
  - 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
  - 5 feet from the western boundary of the "PC" District.
  - Parking shall not be permitted along the northern boundary of the "PC" District.

**D. PARKING AND LOADING REQUIREMENTS**

- Parking and loading spaces for this development will be as required in the City of Chesterfield Code.
- Parking lots shall not be used as streets.

- No construction related parking shall be permitted within right of way or on any existing roadways. All construction related parking shall be confined to the development.
- Provide adequate temporary off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions.

**E. LANDSCAPE AND TREE REQUIREMENTS**

- The development shall adhere to the Landscape and Tree Preservation Requirements of the City of Chesterfield Code.
- The width of the required landscape buffers along Conway Road and Chesterfield Parkway East shall correspond to the parking setbacks.

**F. SIGN REQUIREMENTS**

- Signs shall be permitted in accordance with the regulations of the City of Chesterfield Code or a Sign Package may be submitted for the planned district. Sign Packages shall adhere to the City Code and are reviewed and approved by the City of Chesterfield Planning Commission.
- Ornamental Entrance Monument construction, if proposed, shall be reviewed by the City of Chesterfield, and/or the St. Louis County Department of Transportation (or MoDOT), for sight distance considerations prior to installation or construction.

**G. LIGHT REQUIREMENTS**

Provide a lighting plan and cut sheet in accordance with the City of Chesterfield Code.

**H. ARCHITECTURAL**

- The development shall adhere to the Architectural Review Standards of the City of Chesterfield Code.
- Trash enclosures: All exterior trash areas will be enclosed with a minimum six (6) foot high sight-proof enclosure complemented by adequate landscaping. The location, material, and elevation of any trash enclosures will be as approved by the City of Chesterfield on the Site Development Plan.

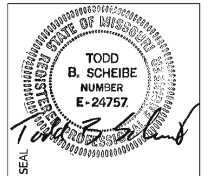
**I. ACCESS/ACCESS MANAGEMENT**

- Access to the development shall be as shown on the Preliminary Site Plan and adequate sight distance shall be provided, as directed by the City of Chesterfield, and St. Louis County Department of Transportation, as applicable.
- If adequate sight distance cannot be provided at the access location(s), acquisition of right-of-way, reconstruction of pavement and other off-site improvements may be required to provide the required sight distance as required by the City of Chesterfield and the agency in control of the right of way off which the access is proposed.

**J. PUBLIC/PRIVATE ROAD IMPROVEMENTS, INCLUDING PEDESTRIAN CIRCULATION**

- Any request to install a gate at the entrance to this development must be approved by the City of Chesterfield and the agency in control of the right of way off of which the entrance is constructed. No gate installation will be permitted on public right of way.
- Existing sidewalk along Chesterfield Parkway and Conway Road shall remain and at the time of construction shall be evaluated and updated, as necessary, to conform to ADA standards. The sidewalk shall provide for future connectivity to adjacent developments and/or roadway projects and shall provide an internal connection from the existing sidewalk onto the site as shown on the Preliminary Plan.
- Prior to improvement / construction plan approval, the engineer shall provide a signed and sealed note on the plans for both residential and commercial projects, stating that the unimproved existing sidewalk/pedestrian path along the project frontage meets current St. Louis County / ADA Standards.
- Obtain approvals from the City of Chesterfield and the St. Louis County Department of Transportation as necessary for locations of proposed curb cuts and access points, areas of new dedication, and roadway improvements.
- Improve Chesterfield Parkway East right-of-way, as directed by the Saint Louis County Department of Transportation.
- Additional right-of-way and road improvements shall be provided, as required by the St. Louis County Department of Transportation and the City of Chesterfield.

The Professional Engineer's seal and signature apply only to the work specifically identified in this document. The Engineer expressly disclaims any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part of the engineering project.  
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CHESTERFIELD VILLAGE  
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1850 CRAIGSHIRE, SUITE 103  
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| DRAWN BY:   | GAS          |
| CHECKED BY: | TBS          |
| DATE:       | 10/28/2019   |

SHEET NO.  
SITE SECTIONS &  
ORDINANCE

**C003**

**PRELIMINARY - NOT FOR CONSTRUCTION**

**K. TRAFFIC STUDY**

1. Provide a traffic study as directed by the City of Chesterfield. The scope of the study shall include internal and external circulation and may be limited to site specific impacts, such as the need for additional lanes, entrance configuration, geometrics, sight distance, traffic signal modifications or other improvements required, as long as the density of the proposed development falls within the parameters of the City's traffic model. Should the density be other than the density assumed in the model, regional issues shall be addressed as directed by the City of Chesterfield.

**L. POWER OF REVIEW**

The development shall adhere to the Power of Review requirements of the City of Chesterfield Code.

**M. STORM WATER**

1. The site shall provide for the positive drainage of storm water and it shall be discharged at an adequate natural discharge point or connected to an adequate piped system.
2. Detention/retention and channel protection measures are to be provided in each watershed as required by the City of Chesterfield and the Metropolitan St. Louis Sewer District. The storm water management facilities shall be operational prior to paving of any driveways or parking areas in non-residential developments or issuance of building permits exceeding sixty percent (60%) of the approved dwelling units in each plat, watershed or phase of residential developments. The location and types of storm water management facilities shall be identified on all Site Development Plans.
3. Emergency overflow drainage ways to accommodate runoff from the 100-year storm event shall be provided for all storm sewers, as directed by the City of Chesterfield.
4. Offsite storm water shall be picked up and piped to an adequate natural discharge point. Such bypass systems must be adequately designed.
5. The lowest opening of all structures shall be set at least two (2) feet higher than the one hundred (100) year high water elevation in detention/retention facilities. All structures shall be set at least 30 feet horizontally from the limits of the one hundred (100) year high water.

12. Zoning district lines, subdivision name, lot number, dimensions, and area, and zoning of adjacent parcels where different than site.
13. Floodplain boundaries.
14. Depict existing and proposed improvements within 150 feet of the site as directed. Improvements include, but are not limited to, roadways, driveways and walkways adjacent to and across the street from the site, significant natural features, such as wooded areas and rock formations, and other karst features that are to remain or be removed.
15. Depict all existing and proposed easements and rights-of-way within 150 feet of the site and all existing or proposed off-site easements and rights-of-way required for proposed improvements.
16. Indicate the location of the proposed storm sewers, detention basins, sanitary sewers and connection(s) to the existing systems.
17. Depict existing and proposed contours at intervals of not more than one (1) foot, and extending 150 feet beyond the limits of the site as directed.
18. Address trees and landscaping in accordance with the City of Chesterfield Code.
19. Comply with all preliminary plat requirements of the City of Chesterfield Subdivision Regulations per the City of Chesterfield Code.
20. Signed and sealed in conformance with the State of Missouri Department of Economic Development, Division of Professional Registration, Missouri Board for Architects, Professional Engineers and Land Surveyors requirements.
21. Provide comments/approvals from the appropriate Fire District, Monarch Levee District, Spirit of St. Louis Airport, Metropolitan St. Louis Sewer District (MSD) and the Missouri Department of Transportation.
22. Compliance with Sky Exposure Plane.
23. Compliance with the current Metropolitan Sewer District Site Guidance as adopted by the City of Chesterfield.

6. Locations of site features such as lakes and detention ponds must be approved by the City of Chesterfield and the Metropolitan Saint Louis Sewer District.
7. Storm sewers shall be as approved by the Metropolitan St. Louis Sewer District and the City of Chesterfield.
8. Formal MSD review, approval, and permits are required prior to construction.

**N. SANITARY SEWER**

1. Sanitary sewers shall be as approved by the City of Chesterfield and the Metropolitan St. Louis Sewer District.

**O. GEOTECHNICAL REPORT**

Prior to Site Development Plan approval, the developer shall provide a geotechnical report, prepared by a registered professional engineer licensed to practice in the State of Missouri, as directed by the City of Chesterfield. The report shall verify the suitability of grading and proposed improvements with soil and geologic conditions and address the existence of any potential sinkhole, ponds, dams, septic fields, etc., and recommendations for treatment. A statement of compliance, signed and sealed by the geotechnical engineer preparing the report, shall be included on all Site Development Plans and Improvement Plans.

**P. MISCELLANEOUS**

1. All utilities will be installed underground.
2. An opportunity for recycling will be provided. All provisions of Chapter 25, Article VII, and Section 25-122 thru Section 25-126 of the City Code shall be required where applicable.
3. Prior to record plat approval, the developer shall cause, at his expense and prior to the recording of any plat, the reestablishment, restoration or appropriate witnessing of all Corners of the United States Public Land Survey located within, or which define or lie upon, the out boundaries of the subject tract in accordance with the Missouri Minimum Standards relating to the preservation and maintenance of the United States Public Land Survey Corners, as necessary.
4. Retaining walls along public right of way shall be private and remain private forever and shall be located such that it is not necessary to support any public improvements.

**V. TRUST FUND CONTRIBUTION**

As this development is not subject to traffic generation assessment, the roadway improvements required herein represent the developer's road improvement obligation. These improvements will not exceed an amount established by multiplying the ordinance-required parking spaces by the following applicable rates:

| Type of Development | Required Contribution    |
|---------------------|--------------------------|
| Hotel               | \$1,546.62/parking space |
| Loading Space       | \$3,796.14/parking space |

(Parking spaces as required by the City of Chesterfield Code.)

If types of development differ from those listed, rates shall be provided by St. Louis County Department of Transportation.

If a portion of the improvements required herein are needed to provide for the safety of the traveling public, their completion as a part of this development is mandatory.

Allowable credits for required roadway improvements will be awarded as directed by the Saint Louis County Department of Transportation and the City of Chesterfield. Sidewalk construction and utility relocation, among other items, are not considered allowable credits.

The applicable rates limiting required road improvements shall be adjusted on January 1, 2020 and on the first day of January in each succeeding year thereafter in accord with the construction cost index as determined by the Saint Louis County Department of Transportation.

Prior to Special Use Permit issuance by the Saint Louis County Department of Transportation, a special cash escrow or a special escrow supported by an Irrevocable Letter of Credit, must be established with the Saint Louis County Department of Transportation to guarantee completion of the required roadway improvements.

**VI. RECORDING**

Within sixty (60) days of approval of any development plan by the City of Chesterfield, the approved Plan will be recorded with the St. Louis County Recorder of Deeds. Failure to do so will result in the expiration of approval of said plan and require re-approval of a plan by the Planning Commission.

5. Prior to final release of subdivision construction deposits, the developer shall provide certification by a registered land surveyor that all monumentation depicted on the record plat has been installed and United States Public Land Survey Corners have not been disturbed during construction activities or that they have been reestablished and the appropriate documents filed with the Missouri Department of Natural Resources Land Survey Program, as necessary.
6. The developer is advised that utility companies will require compensation for relocation of their facilities within public road right-of-way. Utility relocation cost shall not be considered as an allowable credit against the petitioner's traffic generation assessment contributions. The developer should also be aware of extensive delays in utility company relocation and adjustments. Such delays will not constitute a cause to allow occupancy prior to completion of road improvements.
7. Road improvements and right-of-way dedication shall be completed prior to the issuance of an occupancy permit. If development phasing is anticipated, the developer shall complete road improvements, right-of-way dedication, and access requirements for each phase of development as directed by the City of Chesterfield. Delays due to utility relocation and adjustments will not constitute a cause to allow occupancy prior to completion of road improvements.

**II. TIME PERIOD FOR SUBMITTAL OF SITE DEVELOPMENT CONCEPT PLANS AND SITE DEVELOPMENT PLANS**

- A. The developer shall submit a concept plan within eighteen (18) months of City Council approval of the change of zoning.
- B. In lieu of submitting a Site Development Concept Plan and Site Development Plans, the petitioner may submit a Site Development Plan for the entire development within eighteen (18) months of the date of approval of the change of zoning by the City.
- C. Failure to comply with these submittal requirements will result in the expiration of the change of zoning and will require a new public hearing.
- D. Said Plan shall be submitted in accordance with the combined requirements for Site Development and Concept Plans. The submission of Amended Site Development Plans by sections of this project to the Planning Commission shall be permitted if this option is utilized.

**ENFORCEMENT**

- A. The City of Chesterfield, Missouri will enforce the conditions of this ordinance in accordance with the Plan approved by the City of Chesterfield and the terms of this Attachment A.
- B. Failure to comply with any or all the conditions of this ordinance will be adequate cause for revocation of approvals/permits by reviewing Departments and Commissions.
- C. Non-compliance with the specific requirements and conditions set forth in this Ordinance and its attached conditions or other Ordinances of the City of Chesterfield shall constitute an ordinance violation, subject, but not limited to, the penalty provisions as set forth in the City of Chesterfield Code.
- D. Waiver of Notice of Violation per the City of Chesterfield Code.
- E. This document shall be read as a whole and any inconsistency to be integrated to carry out the overall intent of this Attachment A.

- E. Where due cause is shown by the developer, the City Council may extend the period to submit a Site Development Concept Plan or Site Development Plan for eighteen (18) months.

**III. COMMENCEMENT OF CONSTRUCTION**

- A. Substantial construction shall commence within two (2) years of approval of the Site Development Concept Plan or Site Development Plan, unless otherwise authorized by ordinance.
- B. Where due cause is shown by the developer, the City Council may extend the period to commence construction for two (2) additional years.

**IV. GENERAL CRITERIA**

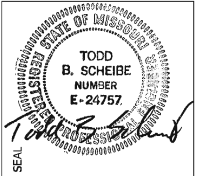
**A. SITE DEVELOPMENT PLAN SUBMITTAL REQUIREMENTS**

The Site Development Plan shall include, but not be limited to, the following:

1. Location map, north arrow, and plan scale. The scale shall be no greater than one (1) inch equals one hundred (100) feet.
2. Outboundary plat and legal description of property.
3. Density calculations.
4. Parking calculations. Including calculation for all off street parking spaces, required and proposed, and the number, size and location for handicap designed.
5. Provide openspace percentage for overall development including separate percentage for each lot on the plan.
6. Provide Floor Area Ratio (F.A.R.).
7. A note indicating all utilities will be installed underground.
8. A note indicating signage approval is separate process.
9. Depict the location of all buildings, size, including height and distance from adjacent property lines, and proposed use.
10. Specific structure and parking setbacks along all roadways and property lines.
11. Indicate location of all existing and proposed freestanding monument signs.

The Professional Engineer's seal and signature apply only to the work specifically identified in this plan. The Engineer expressly disclaims any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part of the engineering project.

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ST. LOUIS, MO 63043  
188 WILSON PARKWAY  
63040-4659 ST. LOUIS, MISSOURI  
MEMBER STATE CHAPTER OF A PROFESSIONAL ENGINEERING SOCIETY

CHESTERFIELD VILLAGE LODGING, LLC  
1850 CRAIGSHIRE, SUITE 103  
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AMENDED SITE DEVELOPMENT PLAN  
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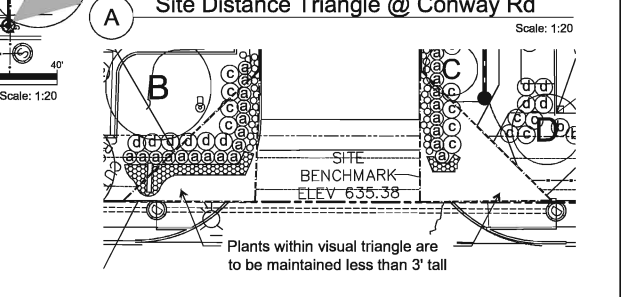
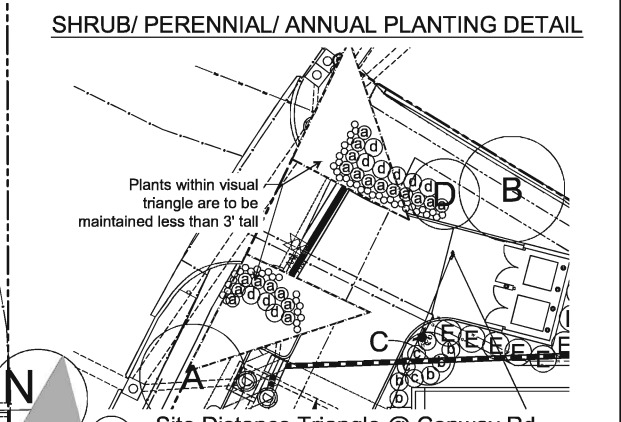
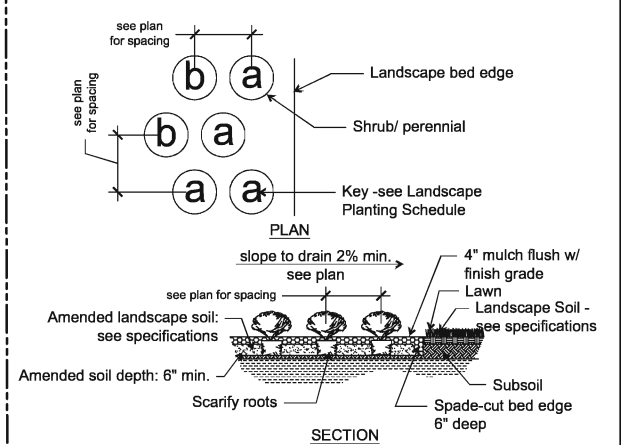
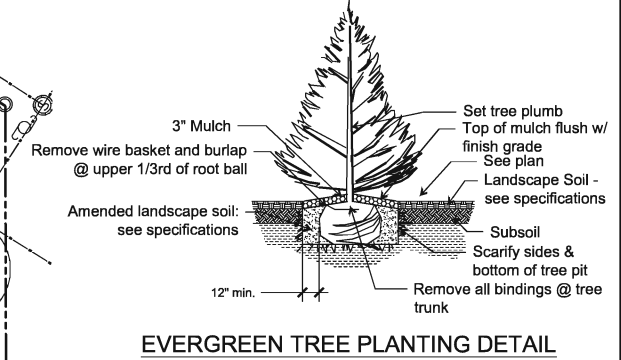
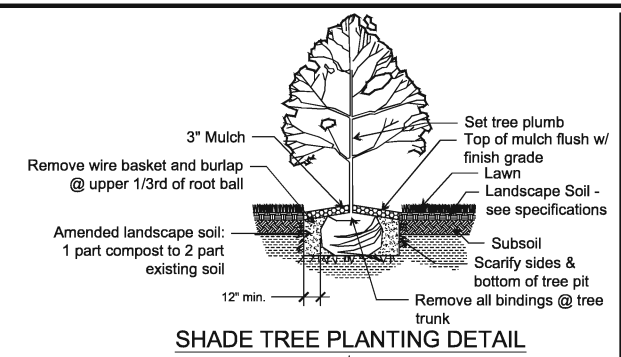
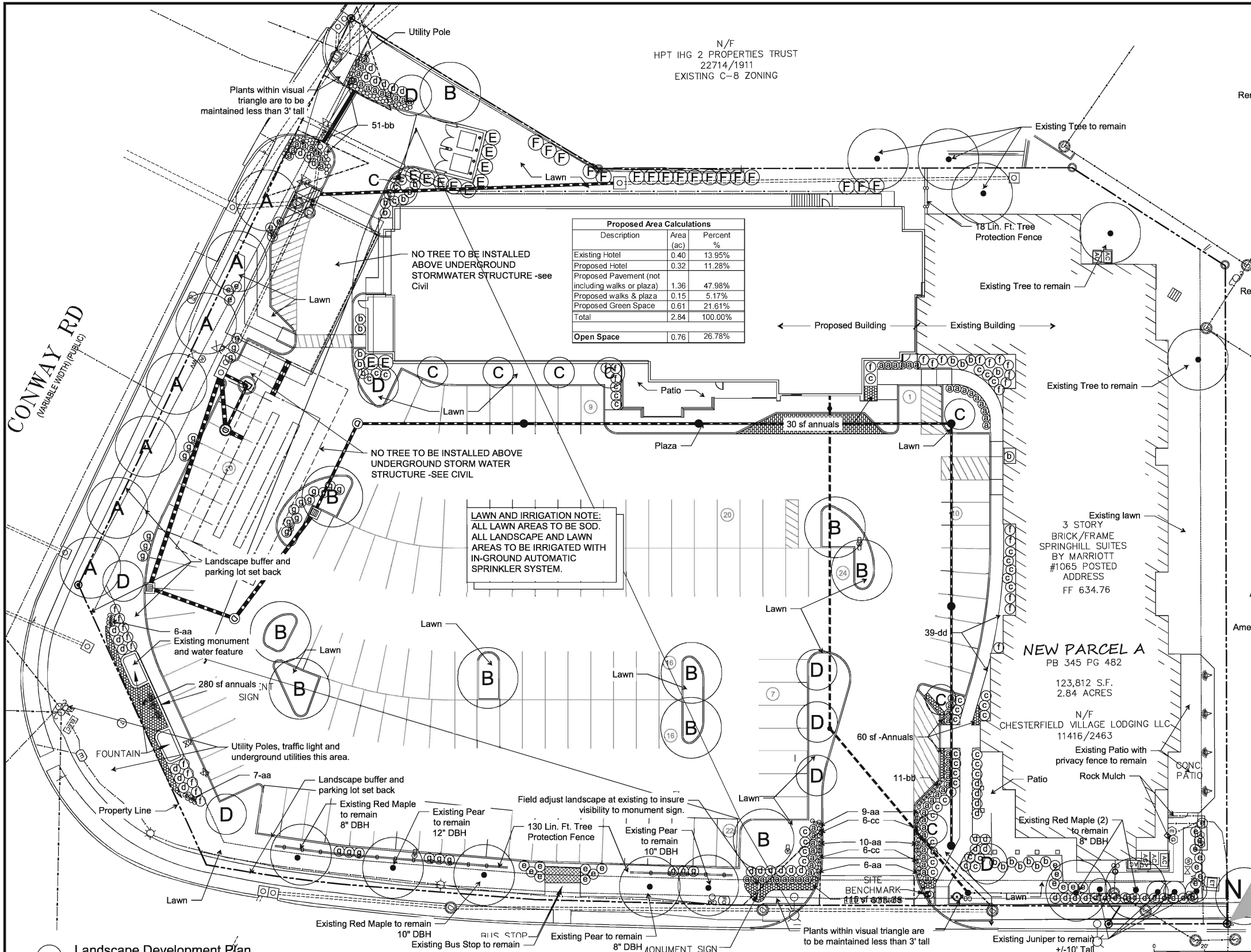
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| DRAWN BY:   | GAS          |
| CHECKED BY: | TBS          |
| DATE:       | 10/28/2019   |

SHEET NO.  
ORDINANCE

**C004**

**PRELIMINARY - NOT FOR CONSTRUCTION**

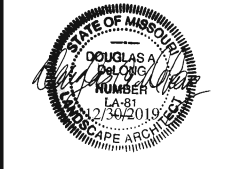




| Key | Qty | Common Name            | Botanical Name                               | Size      | Type            | Mature Height | Growth Rate  | %   |
|-----|-----|------------------------|--|-----------|-----------------|---------------|--------------|-----|
| A   | 7   | Green Vase Zelkova     | Zelkova serrata 'Green Vase'                 | 2.5" Cal. | Shade Tree      | 45' +         | Medium/ Fast | 11% |
| B   | 10  | Honeylocust 'Sunburst' | Gleditsia triacanthos var. inermis 'Suncole' | 2.5" Cal. | Shade Tree      | 45' +         | Fast         | 16% |
| C   | 8   | Upright Hornbeam       | Carpinus betulus 'Fastigiata'                | 2.5" Cal. | Ornamental Tree | 35-40' +      | Slow/ Medium | 13% |
| D   | 8   | Redbud                 | Cercis canadensis                            | 2.5" Cal. | Ornamental Tree | 25-30' +      | Fast         | 13% |
| E   | 11  | Arborvitae             | Thuja occidentalis 'Smaragd'                 | 6' Tall   | Evergreen Tree  | 20-25'        | Fast         | 18% |
| F   | 17  | Juniper Tree           | Juniperus virginiana 'Canaerti'              | 8' Tall   | Evergreen Tree  | 20-30'        | Medium       | 28% |

| Key | Qty | Common Name                                 | Botanical Name                        | Size   | Notes                 |
|-----|-----|---|---------------------------------------|--------|-----------------------|
| a   | 74  | Boxwood                                     | B. sempervirens 'Green Velvet'        | 20-22" | Ball & Burlap         |
| b   | 22  | Zinfin Doll Hydrangea                       | Hydrangea paniculata 'SMNHRPZEP'      | 5 Gal. | from Monrovia Nursery |
| c   | 46  | Dwarf Hydrangea                             | Hydrangea paniculata 'LITTLE LAMP'    | 5 Gal. | from Monrovia Nursery |
| d   | 45  | Amethyst                                    | Calliopsis dichotoma 'Early Amethyst' | 5 Gal. |                       |
| e   | 28  | Red Switch Grass                            | Panicum virgatum 'Shenandoah'         | 1 Gal. |                       |
| f   | 29  | Skyrocket Juniper                           | Juniper 'Skyrocket'                   | 7 Gal. | 4-5' Tall             |
| g   | 28  | Gold Tip Juniper                            |                                       | 5 Gal. |                       |
| aa  | 39  | Purple Cone Flower                          | Echinacea purpurea 'Prairie Splendor' | 1 Gal. | 24" OC                |
| bb  | 62  | Variiegated Liriope                         | Liriope muscaris 'Variegated'         | 1 Gal. | 24" OC                |
| cc  | 12  | Black Eyed Susan                            | Rudbeckia fulgida 'Goldstrum'         | 1 Gal. | 24" OC                |
| dd  | 39  | Lily Turf                                   | Liriope speciosa                      | 1 Qt.  | 18" OC                |
| 485 |     | +/- Sq. Ft. Annuals                         | Field select by owner                 | 1 Qt.  | 8" OC                 |
| 148 |     | +/- Lin. Ft. Tree Protection Fence          | see detail this sheet                 |        |                       |
| tbd |     | +/- Sq. Ft. Mulch -Double Ground Bark Mulch |                                       |        |                       |
| tbd |     | +/- Sq. Ft. Lawn -Fescue Sod                |                                       |        |                       |
| tbd |     | +/- Sq. Ft. Landscape Rock w/ Weed Fabric   |                                       |        |                       |
| tbd |     | +/- Lin. Ft. Metal Edging                   |                                       |        |                       |

- GENERAL NOTES:**
- Plan provided for City of Chesterfield ARB, Planning and Zoning Commission and City Council review and approval.
  - Street trees Req. - 726 lf/50 ft = 14.72 or 15 street trees.
  - All street trees will be located at least 3' from existing sidewalk.
  - All street trees will be located at least 10' from all storm sewer structures.
  - All disturbed areas to be sodded
  - An in-ground irrigation system will be provided.



Douglas A. DeLong, Landscape Architect LA-81  
 Consultants:  
 Civil Engineer:  
 G&W Engineering  
 138 Weldon Parkway  
 St. Louis, MO 63043

Landscape Development Plans for:  
**SPRINGHILL SUITES / FAIRFIELD SUITES**  
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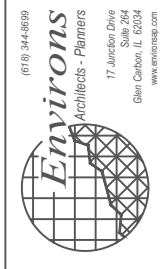
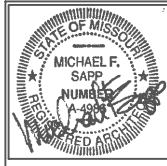
Revisions:

| Date     | Description                      | No. |
|----------|----------------------------------|-----|
| 8/15/19  | City Comment: add existing trees | 1   |
| 9/12/19  | City Comments                    | 2   |
| 10/29/19 | City Comments                    | 3   |
| 12/30/19 | City Comments                    | 4   |

Drawn: EMD  
 Checked: DAD

eLong  
 onscap/Architecture, LLC  
 7620 West Bruno Ave  
 St. Louis, MO. 63117  
 (314) 346-4856  
 delong.la@gmail.com  
 Missouri State Certificate of Authority: #201306145

Sheet Title: Landscape Development Plan  
 Sheet No: LDP  
 Date: 7/12/2019  
 Job #:



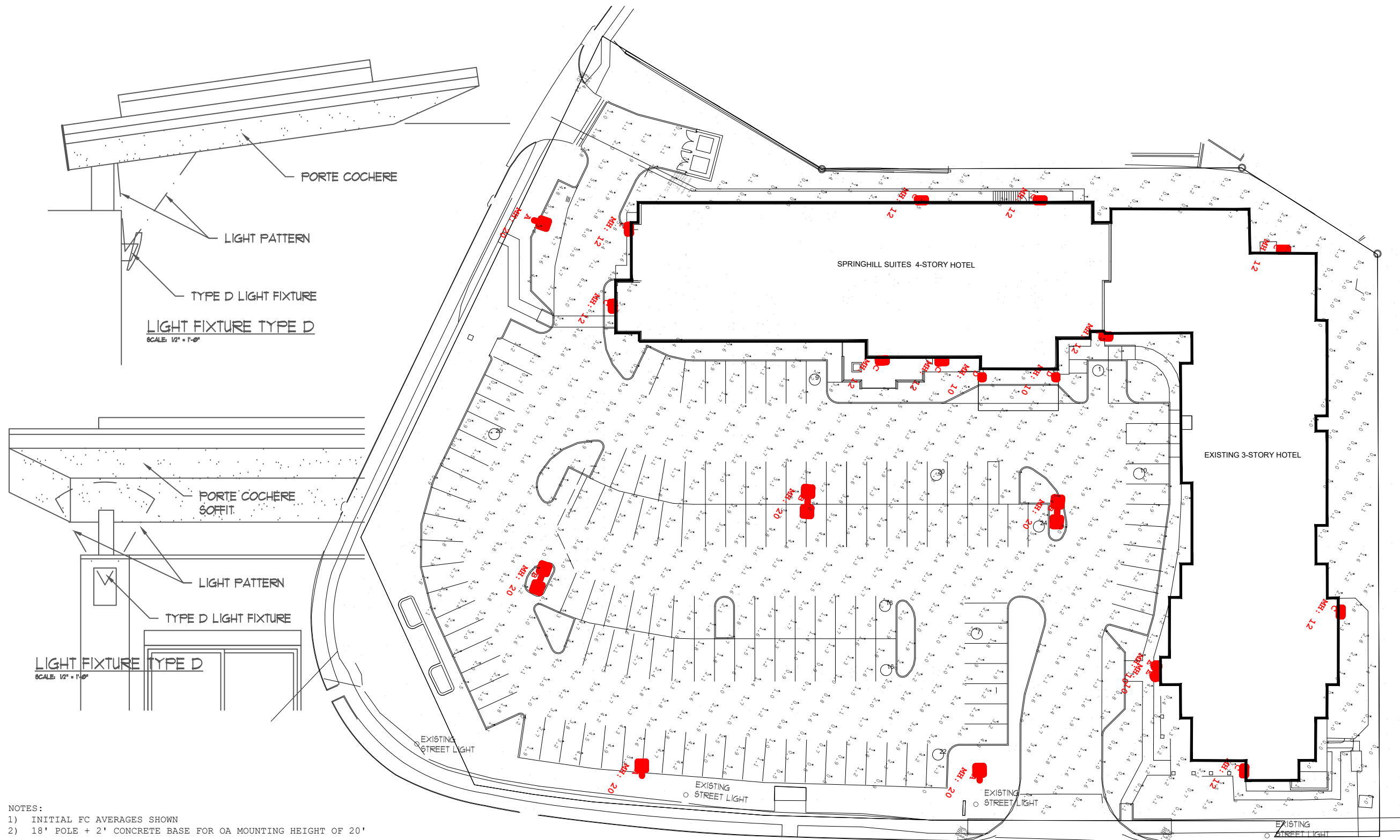
JOB NO. 18016

DATE: DECEMBER 16, 2019  
REVISED:

NEW HOTEL + CONVERSION FOR:  
**SPRINGHILL SUITES + FAIRFIELD INN**  
BY MARRIOTT  
CHESTERFIELD, MO  
SITE LIGHTING / PHOTOMETRIC PLAN

SHEET  
**SL-1**  
OF XX

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- NOTES:  
1) INITIAL FC AVERAGES SHOWN  
2) 18' POLE + 2' CONCRETE BASE FOR OA MOUNTING HEIGHT OF 20'

| Label            | CalcType    | Units | Avg  | Max | Min | Avg/Min | Max/Min |
|------------------|-------------|-------|------|-----|-----|---------|---------|
| ALL CALC POINTS  | Illuminance | Fc    | 2.28 | 7.1 | 0.0 | N.A.    | N.A.    |
| PARKING & DRIVES | Illuminance | Fc    | 2.64 | 7.1 | 0.4 | 6.60    | 17.75   |

| Symbol | Qty | Label | Description   | Arr. Watts | Total Watts | Arrangement |
|--------|-----|-------|---|------------|-------------|-------------|
| +      | 3   | A     | BEACON VP-L-80L-180-4K7-4W-XXX-A-FINISH/SSS-B-18-40-A-1-B3-FINISH         | 180        | 540         | SINGLE      |
| +      | 3   | B     | BEACON (2)VP-L-80L-180-4K7-4W-UNV-A-FINISH / (1)SSS-B-18-40-A-1-B3-FINISH | 360        | 1080        | BACK-BACK   |
| +      | 10  | C     | HUBBELL TRP2-24L-30-4K7-3-UNV-FINISH                                      | 27.9       | 279         | SINGLE      |
| +      | 2   | D     | SCOTT S9315-L24-4K-FINISH   | 26         | 52          | SINGLE      |
| ○      | 2   | E     | PRESCOLITE LTR-6RD-H-SL06L-DM1 LTR-6RD-T-SL40K8WDS                        | 7.8        | 15.6        | SINGLE      |

**SITE LIGHTING PHOTOMETRIC PLAN**  
SCALE: 1"=20'-0"

Calculations provided by: LEC-WARD BURTON & CO.  
Date: 1/30/2020  
Filename: SPRING HILL SUITES SITE LIGHTING R4.AGI  
Designed by: EE

# VIPER L

OPTICS

## STRIKE

LARGE VIPER LUMINAIRE

Cat.#

Job  
SURI HILL SITES  
FAIRFIELD I C CHESTERFIELD MO

Type  
TYPE A + B



Approvals

### SPECIFICATIONS

#### Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

#### Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

#### Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is  $\geq .90$  at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

#### Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see [www.beaconproducts.com/products/energeni](http://www.beaconproducts.com/products/energeni)).
- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: [www.hubbelling.com/sitesync](http://www.hubbelling.com/sitesync)

#### Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

#### Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

#### Certifications/Ratings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: [http://www.beaconproducts.com/products/viper\\_large](http://www.beaconproducts.com/products/viper_large)

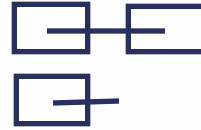
#### Warranty:

Five year limited warranty for more information visit: [www.hubbelling.com/resources/warranty](http://www.hubbelling.com/resources/warranty)

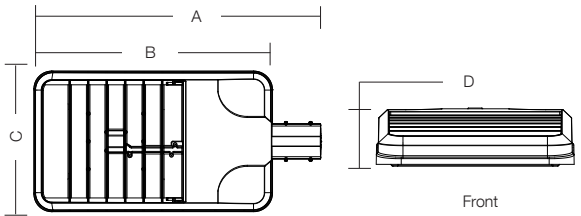
### PRODUCT IMAGE(S)



### SYMBOL

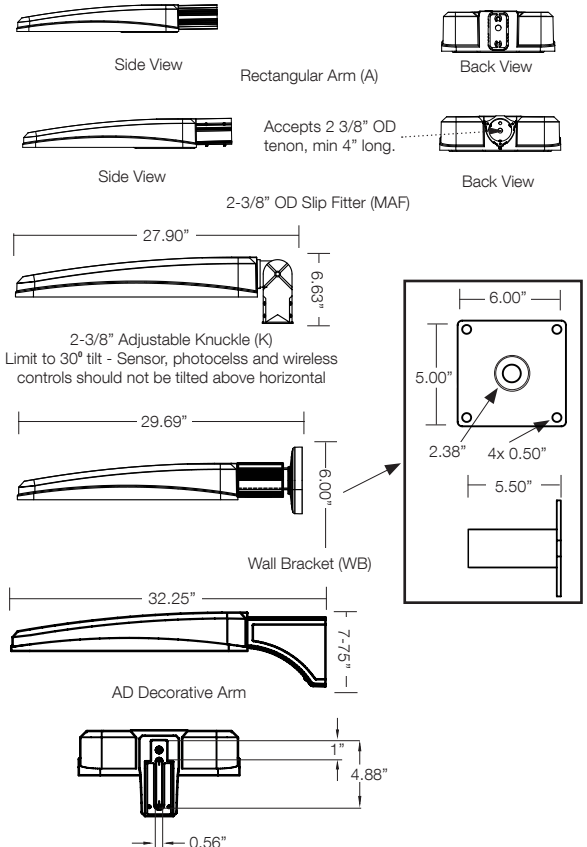


### DIMENSIONS



| A        | B        | C        | D        | Weight:   | EPA                 |
|----------|----------|----------|----------|-----------|---------------------|
| 29.9"    | 24.19"   | 14.25"   | 4.13"    | 25.0 lbs  | 1.2 ft <sup>2</sup> |
| (741 mm) | (614 mm) | (362 mm) | (105 mm) | (11.3 kg) |                     |

### MOUNTING OPTIONS



### CERTIFICATIONS/LISTINGS



\*3000K and warmer CCTs only

Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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**ORDERING INFORMATION** ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

| VPL       |  |   |  |  |  |  |  |  |
|-----------|--|---|--|--|--|--|--|--|
| SERIES    | LED ENGINE   | CCT/CRI <sup>7</sup>  | ROTATION   | VOLTAGE  | COLOR  | OPTIONS  |  |  |
| VPL Viper | 64L-135 135W LED array<br>80L-180 180W LED array<br>80L-235 235W LED array<br>96L-220 220W LED array<br>96L-280 280W LED array<br>96L-315 315W LED array<br>96L-395 395W LED array | 3K7 3000K, 70 CRI<br>4K7 4000K, 70 CRI<br>5K7 5000K, 70 CRI | Leave blank for no rotation<br>L <sup>5</sup> Optic rotation left<br>R <sup>5</sup> Optic rotation right | UNV 120-277V<br>120 120V<br>208 208V<br>240 240V<br>277 277V<br>347 347V<br>480 480V | BL Black Textured<br>DB Dark Bronze Textured<br>GYS Light Gray Smooth<br>PS Platinum Silver Smooth<br>WH White Textured<br>CC Custom Color | F Fusing<br>BSP Bird Spikes<br>BC Backsheid (available for FR, 2, 3, 4, 4W Optics) |  |  |

**DISTRIBUTION**

- FR Type 1/Front Row
- 2 Type 2
- 3 Type 3
- 4 Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)
- TC Tennis Court

**MOUNTING**

- A Rectangular Arm (formerly RA) for square or round pole
- MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- K Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- WB Wall Bracket
- AD Universal Arm for square pole
- AD3 Universal Arm for 2.4"-4.1" round pole
- AD4 Universal Arm for 4.2"-5.3" round pole
- AD5 Universal Arm for 5.5"-5.9" round pole
- AD6 Universal Arm for 6.0"-6.5" round pole

**CONTROL OPTIONS**

- 7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- 7PR-SC 7-Pin Receptacle w/Shorting Cap
- 7PR-TL 7-Pin Receptacle w/Twist Lock photo control
- SCP/\_F<sup>1,2,6</sup> Programmable Occupancy Sensor w/daylight control
- GENI-XX<sup>3</sup> ENERGENI
- SWP<sup>1,4</sup> SiteSync Pre-Commission
- SWPM<sup>1,2,4</sup> SiteSync Pre-Commission w/ Sensor

**HOUSE SIDE SHIELD ACCESSORIES**

- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
- HSS/EVP-L/270-FB/XXX 270° shield front or back
- HSS/EVP-L/270-LR/XXX 270° shield left or right
- HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)  
(Refer to page 5 for shield images)

**MOUNTING ACCESSORIES**

- VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

<sup>1</sup> Not available with other wireless control or sensor options  
<sup>2</sup> Specify mounting height; 8 = 8" or less, 40 = 9" to 40"  
<sup>3</sup> Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.  
<sup>4</sup> Specify group and zone at time of order. See www.hubbellighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node  
<sup>5</sup> Only available with FR, 2, 3, 4, 4W and 5R distributions  
<sup>6</sup> Order at least one SCP-REMOTE per project location to program and control the occupancy sensor  
<sup>7</sup> This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: [http://cdn.beaconproducts.com/content/products/specs/specs\\_files/Viper\\_Large\\_LED\\_turtle\\_spec\\_sheet.pdf](http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Large_LED_turtle_spec_sheet.pdf)

**PRECOMMISSIONED SITESYNC ORDERING INFORMATION:** When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit [www.hubbell-automation.com/products/sitesync/](http://www.hubbell-automation.com/products/sitesync/) or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ SiteSync only  
 VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ SiteSync with Motion Control

**Accessories and Services (Ordered Separately)**

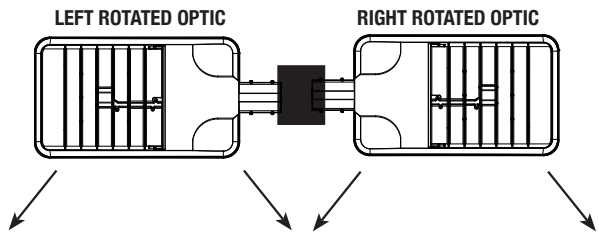
| Catalog Number | Description  |
|----------------|--|
| SCP-REMOTE     | Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor   |
| SWUSB*         | SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node |
| SWTAB*         | Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.                                     |
| SWBRG          | SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.   |
| SW7PR+         | SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC  |

\* When ordering SiteSync at least one of these two interface options must be ordered per project.  
 + Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

**Hubbell Control Solutions - Accessories (sold separately)**

| Catalog Number | Description  | HCS System                   |
|----------------|--|------------------------------|
| NXOFM-1R1D-UNV | On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC | NX Distributed Intelligence™ |
| WIR-RME-L      | On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC             | wiSCAPE® Lighting Control    |

For additional information related to these accessories please visit [www.hubbellcontrolsolutions.com](http://www.hubbellcontrolsolutions.com). Options provided for use with integrated sensor, please view specification sheet ordering information table for details.



**SiteSync 7-Pin Module**



- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interface with occupancy sensors



PERFORMANCE DATA

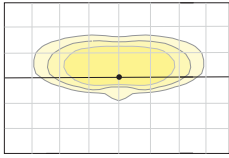
| # LED'S | DRIVE CURRENT (MILLIAMPS) | SYSTEM WATTS      | DISTRIBUTION TYPE | 5K<br>(5000K nominal, 70 CRI) |                  |   |   |   | 4K<br>(4000K nominal, 70 CRI) |                  |   |   |   | 3K<br>(3000K nominal, 70 CRI) |                  |   |   |   |
|---------|---------------------------|-------------------|-------------------|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|
|         |                           |                   |                   | LUMENS                        | LPW <sup>1</sup> | B | U | G | LUMENS                        | LPW <sup>1</sup> | B | U | G | LUMENS                        | LPW <sup>1</sup> | B | U | G |
| 64      | 625 mA                    | 135W              | 1A                | 18220                         | 132              | 2 | 0 | 2 | 18783                         | 137              | 2 | 0 | 2 | 16341                         | 119              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 17228                         | 125              | 2 | 0 | 2 | 17761                         | 129              | 2 | 0 | 2 | 15452                         | 112              | 2 | 0 | 2 |
|         |                           |                   | 3                 | 17257                         | 125              | 2 | 0 | 3 | 17791                         | 129              | 2 | 0 | 3 | 15478                         | 112              | 2 | 0 | 3 |
|         |                           |                   | 4                 | 16864                         | 123              | 1 | 0 | 4 | 17386                         | 126              | 1 | 0 | 4 | 15125                         | 110              | 1 | 0 | 3 |
|         |                           |                   | 4W                | 15106                         | 112              | 2 | 0 | 4 | 15573                         | 115              | 2 | 0 | 4 | 13237                         | 98               | 2 | 0 | 3 |
|         |                           |                   | 5QM               | 17259                         | 125              | 4 | 0 | 2 | 17792                         | 129              | 4 | 0 | 2 | 15479                         | 112              | 4 | 0 | 2 |
|         |                           |                   | 5QN               | 18023                         | 131              | 4 | 0 | 0 | 18580                         | 135              | 4 | 0 | 0 | 16165                         | 117              | 4 | 0 | 0 |
|         |                           |                   | 5R                | 17410                         | 127              | 4 | 0 | 4 | 17948                         | 130              | 4 | 0 | 4 | 15615                         | 113              | 4 | 0 | 4 |
|         |                           |                   | 5W                | 16498                         | 120              | 4 | 0 | 2 | 17009                         | 124              | 4 | 0 | 3 | 14797                         | 108              | 4 | 0 | 2 |
|         |                           |                   | TC                | 15925                         | 110              | 2 | 1 | 2 | 16417                         | 113              | 2 | 1 | 2 | 14283                         | 98               | 1 | 1 | 2 |
| 80      | 700 mA                    | 180W              | 1A                | 23230                         | 128              | 2 | 0 | 2 | 23948                         | 132              | 2 | 0 | 2 | 20835                         | 115              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 21965                         | 121              | 3 | 0 | 3 | 22645                         | 125              | 3 | 0 | 3 | 19701                         | 109              | 2 | 0 | 3 |
|         |                           |                   | 3                 | 22003                         | 121              | 2 | 0 | 4 | 22683                         | 125              | 3 | 0 | 4 | 19734                         | 109              | 2 | 0 | 4 |
|         |                           |                   | 4                 | 21502                         | 119              | 2 | 0 | 4 | 22167                         | 122              | 2 | 0 | 4 | 19285                         | 106              | 2 | 0 | 4 |
|         |                           |                   | 4W                | 19260                         | 107              | 2 | 0 | 4 | 19856                         | 110              | 2 | 0 | 4 | 16877                         | 94               | 2 | 0 | 4 |
|         |                           |                   | 5QM               | 22005                         | 121              | 4 | 0 | 2 | 22686                         | 125              | 4 | 0 | 2 | 19736                         | 109              | 4 | 0 | 2 |
|         |                           |                   | 5QN               | 22979                         | 127              | 4 | 0 | 1 | 23689                         | 131              | 4 | 0 | 1 | 20610                         | 114              | 4 | 0 | 0 |
|         |                           |                   | 5R                | 22197                         | 122              | 4 | 0 | 4 | 22884                         | 126              | 4 | 0 | 4 | 19909                         | 110              | 4 | 0 | 4 |
|         |                           |                   | 5W                | 21035                         | 116              | 5 | 0 | 3 | 21686                         | 120              | 5 | 0 | 3 | 18867                         | 104              | 4 | 0 | 3 |
|         |                           |                   | TC                | 19906                         | 110              | 2 | 1 | 2 | 20522                         | 113              | 2 | 1 | 2 | 17854                         | 98               | 2 | 1 | 2 |
| 80      | 875 mA                    | 235W              | 1A                | 27849                         | 121              | 2 | 0 | 2 | 28711                         | 125              | 2 | 0 | 2 | 24978                         | 108              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 26334                         | 114              | 3 | 0 | 3 | 27148                         | 118              | 3 | 0 | 4 | 23619                         | 102              | 3 | 0 | 3 |
|         |                           |                   | 3                 | 26378                         | 114              | 3 | 0 | 4 | 27194                         | 118              | 3 | 0 | 4 | 23659                         | 103              | 3 | 0 | 4 |
|         |                           |                   | 4                 | 25777                         | 112              | 2 | 0 | 4 | 26575                         | 115              | 2 | 0 | 5 | 23120                         | 100              | 2 | 0 | 4 |
|         |                           |                   | 4W                | 23090                         | 98               | 2 | 0 | 5 | 23805                         | 101              | 2 | 0 | 5 | 20234                         | 86               | 2 | 0 | 4 |
|         |                           |                   | 5QM               | 26381                         | 114              | 4 | 0 | 2 | 27196                         | 118              | 4 | 0 | 2 | 23661                         | 103              | 4 | 0 | 2 |
|         |                           |                   | 5QN               | 27548                         | 119              | 5 | 0 | 1 | 28400                         | 123              | 5 | 0 | 1 | 24708                         | 107              | 5 | 0 | 1 |
|         |                           |                   | 5R                | 26611                         | 115              | 5 | 0 | 5 | 27434                         | 119              | 5 | 0 | 5 | 23868                         | 104              | 4 | 0 | 4 |
|         |                           |                   | 5W                | 25218                         | 109              | 5 | 0 | 3 | 25998                         | 113              | 5 | 0 | 3 | 22619                         | 98               | 5 | 0 | 3 |
|         |                           |                   | TC                | 23864                         | 103              | 2 | 1 | 2 | 24602                         | 107              | 2 | 1 | 2 | 21404                         | 93               | 2 | 1 | 2 |
| 96      | 700 mA                    | 220W              | 1A                | 27876                         | 128              | 2 | 0 | 2 | 28738                         | 132              | 2 | 0 | 2 | 25002                         | 115              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 26359                         | 121              | 3 | 0 | 3 | 27174                         | 125              | 3 | 0 | 4 | 23641                         | 109              | 3 | 0 | 3 |
|         |                           |                   | 3                 | 26403                         | 121              | 3 | 0 | 4 | 27220                         | 125              | 3 | 0 | 4 | 23681                         | 109              | 3 | 0 | 4 |
|         |                           |                   | 4                 | 25802                         | 119              | 2 | 0 | 4 | 26600                         | 122              | 2 | 0 | 5 | 23142                         | 106              | 2 | 0 | 4 |
|         |                           |                   | 4W                | 23111                         | 105              | 2 | 0 | 5 | 23826                         | 108              | 2 | 0 | 5 | 20252                         | 92               | 2 | 0 | 4 |
|         |                           |                   | 5QM               | 26406                         | 121              | 4 | 0 | 2 | 27222                         | 125              | 4 | 0 | 2 | 23684                         | 109              | 4 | 0 | 2 |
|         |                           |                   | 5QN               | 27575                         | 127              | 5 | 0 | 1 | 28427                         | 131              | 5 | 0 | 1 | 24732                         | 114              | 5 | 0 | 1 |
|         |                           |                   | 5R                | 26637                         | 122              | 5 | 0 | 5 | 27460                         | 126              | 5 | 0 | 5 | 23891                         | 110              | 4 | 0 | 4 |
|         |                           |                   | 5W                | 25242                         | 116              | 5 | 0 | 3 | 26023                         | 120              | 5 | 0 | 3 | 22640                         | 104              | 5 | 0 | 3 |
|         |                           |                   | TC                | 23887                         | 110              | 2 | 1 | 2 | 24626                         | 113              | 2 | 1 | 2 | 21424                         | 98               | 2 | 1 | 2 |
| 96      | 875 mA                    | 280W              | 1A                | 33419                         | 121              | 3 | 0 | 2 | 34453                         | 125              | 3 | 0 | 2 | 29974                         | 108              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 31600                         | 114              | 3 | 0 | 4 | 32577                         | 118              | 3 | 0 | 4 | 28342                         | 102              | 3 | 0 | 4 |
|         |                           |                   | 3                 | 31654                         | 114              | 3 | 0 | 5 | 32633                         | 118              | 3 | 0 | 5 | 28390                         | 103              | 3 | 0 | 4 |
|         |                           |                   | 4                 | 30933                         | 112              | 2 | 0 | 5 | 31889                         | 115              | 2 | 0 | 5 | 27744                         | 100              | 2 | 0 | 5 |
|         |                           |                   | 4W                | 27708                         | 99               | 3 | 0 | 5 | 28564                         | 102              | 3 | 0 | 5 | 24280                         | 87               | 2 | 0 | 5 |
|         |                           |                   | 5QM               | 31657                         | 114              | 5 | 0 | 3 | 32636                         | 118              | 5 | 0 | 3 | 28393                         | 103              | 4 | 0 | 2 |
|         |                           |                   | 5QN               | 33058                         | 119              | 5 | 0 | 1 | 34080                         | 123              | 5 | 0 | 1 | 29650                         | 101              | 5 | 0 | 1 |
|         |                           |                   | 5R                | 31933                         | 115              | 5 | 0 | 5 | 32921                         | 119              | 5 | 0 | 5 | 28641                         | 104              | 5 | 0 | 5 |
|         |                           |                   | 5W                | 30262                         | 109              | 5 | 0 | 4 | 31198                         | 113              | 5 | 0 | 4 | 27142                         | 98               | 5 | 0 | 3 |
|         |                           |                   | TC                | 28642                         | 104              | 2 | 1 | 3 | 29528                         | 107              | 2 | 1 | 3 | 25690                         | 93               | 2 | 1 | 2 |
| 96      | 1000mA                    | 315W <sup>2</sup> | 1A                | 35666                         | 113              | 3 | 0 | 2 | 36769                         | 117              | 3 | 0 | 2 | 31989                         | 101              | 2 | 0 | 2 |
|         |                           |                   | 2                 | 33725                         | 107              | 3 | 0 | 4 | 34768                         | 110              | 3 | 0 | 4 | 30248                         | 96               | 3 | 0 | 4 |
|         |                           |                   | 3                 | 33782                         | 107              | 3 | 0 | 5 | 34827                         | 110              | 3 | 0 | 5 | 30299                         | 96               | 3 | 0 | 4 |
|         |                           |                   | 4                 | 33012                         | 105              | 2 | 0 | 5 | 34033                         | 108              | 2 | 0 | 5 | 29609                         | 94               | 2 | 0 | 5 |
|         |                           |                   | 4W                | 29571                         | 94               | 3 | 0 | 5 | 30485                         | 97               | 3 | 0 | 5 | 25913                         | 82               | 2 | 0 | 5 |
|         |                           |                   | 5QM               | 33785                         | 107              | 5 | 0 | 3 | 34830                         | 110              | 5 | 0 | 3 | 30302                         | 96               | 5 | 0 | 2 |
|         |                           |                   | 5QN               | 35280                         | 112              | 5 | 0 | 1 | 36371                         | 115              | 5 | 0 | 1 | 31643                         | 100              | 5 | 0 | 1 |
|         |                           |                   | 5R                | 34080                         | 108              | 5 | 0 | 5 | 35134                         | 111              | 5 | 0 | 5 | 30567                         | 97               | 5 | 0 | 5 |
|         |                           |                   | 5W                | 32302                         | 102              | 5 | 0 | 4 | 33301                         | 106              | 5 | 0 | 4 | 28972                         | 92               | 5 | 0 | 4 |
|         |                           |                   | TC                | 30568                         | 97               | 2 | 1 | 3 | 31513                         | 100              | 3 | 1 | 3 | 27416                         | 87               | 2 | 1 | 3 |
| 96      | 1225mA                    | 395W <sup>2</sup> | 1A                | 39569                         | 101              | 3 | 0 | 4 | 43125                         | 110              | 3 | 0 | 3 | 37518                         | 96               | 3 | 0 | 2 |
|         |                           |                   | 2                 | 39569                         | 101              | 3 | 0 | 4 | 40793                         | 104              | 3 | 0 | 4 | 35490                         | 91               | 3 | 0 | 4 |
|         |                           |                   | 3                 | 39619                         | 101              | 3 | 0 | 5 | 40845                         | 104              | 3 | 0 | 5 | 35535                         | 91               | 3 | 0 | 5 |
|         |                           |                   | 4                 | 38723                         | 98               | 3 | 0 | 5 | 39921                         | 101              | 3 | 0 | 5 | 34731                         | 88               | 2 | 0 | 5 |
|         |                           |                   | 4W                | 34691                         | 86               | 3 | 0 | 5 | 35764                         | 89               | 3 | 0 | 5 | 30400                         | 76               | 3 | 0 | 5 |
|         |                           |                   | 5QM               | 39623                         | 101              | 5 | 0 | 3 | 40848                         | 104              | 5 | 0 | 3 | 35538                         | 90               | 5 | 0 | 3 |
|         |                           |                   | 5QN               | 41394                         | 105              | 5 | 0 | 1 | 42675                         | 109              | 5 | 0 | 1 | 37127                         | 95               | 5 | 0 | 1 |
|         |                           |                   | 5R                | 39969                         | 102              | 5 | 0 | 5 | 41205                         | 105              | 5 | 0 | 5 | 35848                         | 91               | 5 | 0 | 5 |
|         |                           |                   | 5W                | 37877                         | 97               | 5 | 0 | 4 | 39048                         | 100              | 5 | 0 | 4 | 33986                         | 87               | 5 | 0 | 4 |
|         |                           |                   | TC                | 35850                         | 90               | 3 | 1 | 3 | 36959                         | 93               | 3 | 1 | 3 | 32154                         | 81               | 3 | 1 | 3 |

<sup>1</sup> Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.  
<sup>2</sup> 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

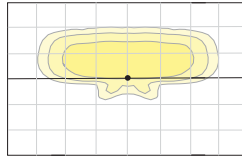


## PHOTOMETRICS

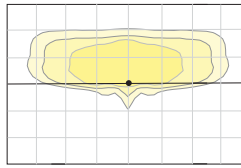
Type FR - Front Row/Auto Optic



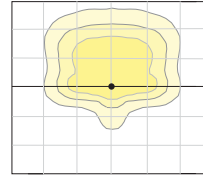
Type 2



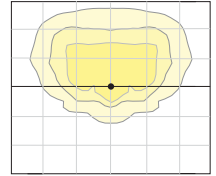
Type 3



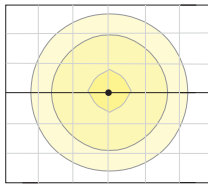
Type 4



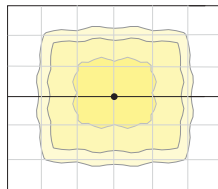
Type 4W



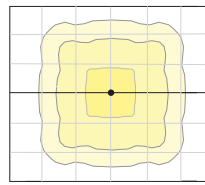
Type 5W



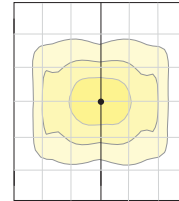
Type 5QN



Type 5QM



Type 5R



## ELECTRICAL DATA

| # OF LEDS | NUMBER OF DRIVERS | DRIVE CURRENT (mA) | INPUT VOLTAGE (V) | SYSTEM POWER (w) | CURRENT (Amps) |
|-----------|-------------------|--------------------|-------------------|------------------|----------------|
| 64        | 1                 | 625 mA             | 120               | 135              | 1.4            |
|           |                   |                    | 277               |                  | 0.6            |
|           |                   |                    | 347               |                  | 0.5            |
|           |                   |                    | 480               |                  | 0.3            |
| 80        | 2                 | 700 mA             | 120               | 180              | 1.8            |
|           |                   |                    | 277               |                  | 0.8            |
|           |                   |                    | 347               |                  | 0.6            |
|           |                   |                    | 480               |                  | 0.5            |
| 80        | 2                 | 875 mA             | 120               | 235              | 2.4            |
|           |                   |                    | 277               |                  | 1.0            |
|           |                   |                    | 347               |                  | 0.8            |
|           |                   |                    | 480               |                  | 0.6            |
| 96        | 2                 | 700 mA             | 120               | 220              | 2.2            |
|           |                   |                    | 277               |                  | 1.0            |
|           |                   |                    | 347               |                  | 0.8            |
|           |                   |                    | 480               |                  | 0.6            |
| 96        | 2                 | 875 mA             | 120               | 280              | 2.8            |
|           |                   |                    | 277               |                  | 1.2            |
|           |                   |                    | 347               |                  | 1.0            |
|           |                   |                    | 480               |                  | 0.7            |
| 96        | 2                 | 1000 mA            | 120               | 315              | 3.2            |
|           |                   |                    | 277               |                  | 1.4            |
|           |                   |                    | 347               |                  | 1.1            |
|           |                   |                    | 480               |                  | 0.8            |
| 96        | 2                 | 1225 mA            | 120               | 395              | 4.0            |
|           |                   |                    | 277               |                  | 1.7            |
|           |                   |                    | 347               |                  | 1.4            |
|           |                   |                    | 480               |                  | 1.0            |

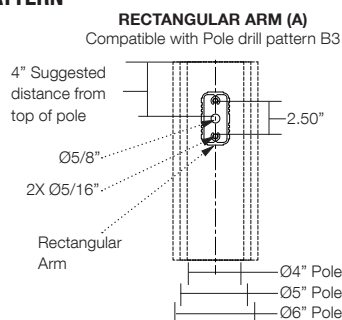
## PROJECTED LUMEN MAINTENANCE

| AMBIENT TEMP. | 0 | 25,000 | 50,000 | TM-21-11<br>60,000 | 100,000 | Calculated L70<br>(HOURS) |
|---------------|---|--------|--------|--------------------|---------|---------------------------|
| 25°C / 77°C   | 1 | 0.98   | 0.97   | 0.97               | 0.96    | >377,000                  |

<sup>1</sup> Projected per IESNA TM-21-11

Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## DRILL PATTERN



## EPA

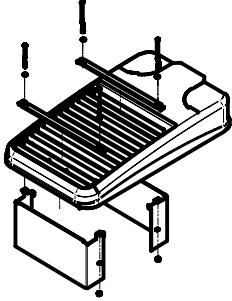
| Config.  | EPA | Config.  | EPA |
|----------|-----|----------|-----|
| 1        | 1.2 | 3 @ 120° | 3.0 |
| 2 @ 90°  | 1.9 | 3 @ 90°  | 3.1 |
| 2 @ 180° | 2.4 | 4 @ 90°  | 3.8 |

## TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

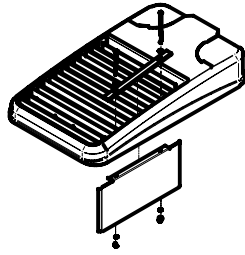
(2 3/8" OD tenon)

| Catalog Number | Description   |
|----------------|---|
| SETAVP-XX      | Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only    |
| RETAVP-XX      | Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only     |
| TETAVP-XX      | Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only |
| SETA2XX        | Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only     |
| RETA2XX        | Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only     |
| TETA2XX        | Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only |

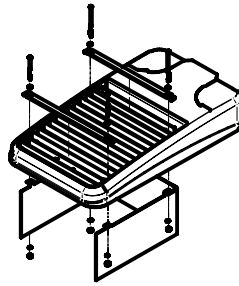
## HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



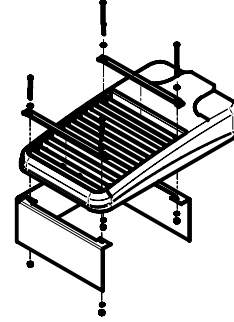
**HSS/EVP-L/90-FB/XXX**  
90° shield front or back  
(2 shields shown)



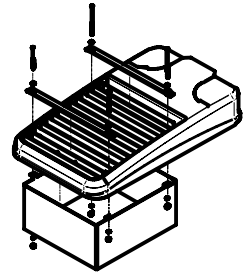
**HSS/EVP-L/90-LR/XXX**  
90° shield left or right  
(1 shield shown in left orientation)



**HSS/EVP-L/270-FB/XXX**  
270° shield front or back  
(1 shield shown in back orientation)



**HSS/EVP-L/270-LR/XXX**  
270° shield left or right  
(1 shield shown in right orientation)

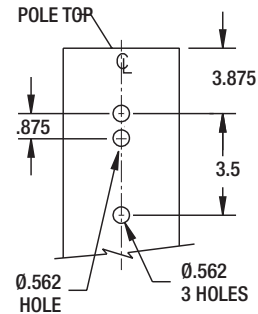
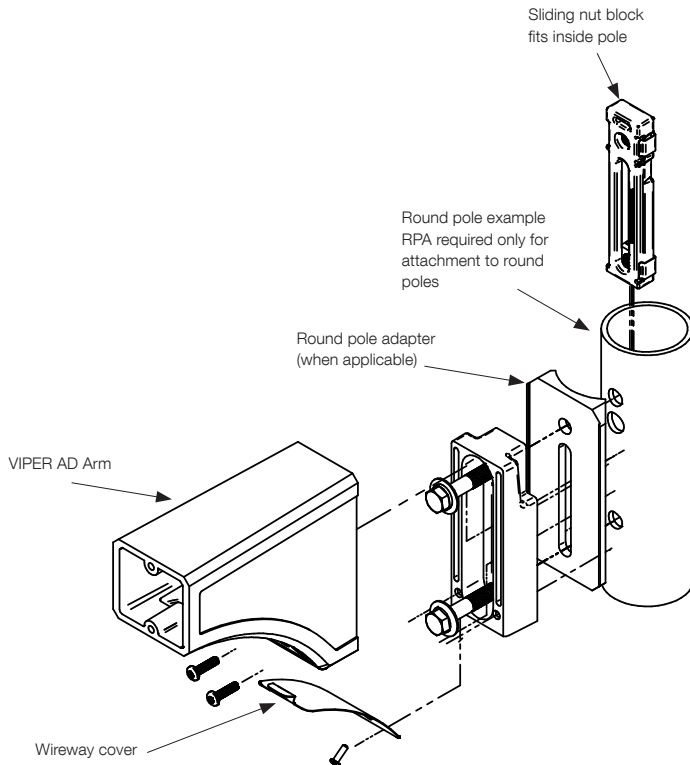


**HSS/EVP-L/360/XXX**  
Full shield  
(1 shield shown)

## AD ARM MOUNTING INSTRUCTIONS

### DECORATIVE ARM (AD)

Compatible with pole drill pattern S2



# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

## SYMBOL



## FEATURES

- Mid sized architectural wallpacks in three stylish shapes
- Capable of replacing up to 400w HID luminaires
- Type I, II, III and IV distributions for a wide variety of applications
- Integral battery backup options
- Control capabilities offer additional energy savings options
- Zero uplight distributions
- Inverted mounting capable for under canopy and facade lighting



## RELATED PRODUCTS

- [RD11 GeoPak](#)   
 [TRP1 GeoPak](#)   
 [QSP1 GeoPak](#)



## CONTROL TECHNOLOGY



## SPECIFICATIONS

### CONSTRUCTION

- Die-cast aluminum housing and door
- Seven powder coat standard finishes, plus custom color options

### OPTICS

- 24 or 32 high power LEDs deliver up to 10,800 lumens
- Up to 146 lumens per watt
- Different lenses offer a variety of distribution patterns - Type I, II, III and IV (Forward throw)
- 3000K - 70 CRI, 4000K - 70 CRI and 5000K - 70 CRI, CCT nominal

### INSTALLATION

- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance
- Black box accessory available for surface conduit application
- Optional inverted/up mounting (must specify when ordering)

### ELECTRICAL

- Optional Dual Drivers & Dual Power Feeds for 50, 70 and 90 watt versions
- 120-277, 347 and 480 voltage, 50/60Hz
- Power factor ≥ 90%
- THD (Total Harmonic Distortion) <20%

### ELECTRICAL (CONTINUED)

- Ambient operating temperature -40°C to 40°C
- 20kA surge protection (series); Automatically takes fixture off-line when device is consumed
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Includes a long-life Lithium Iron Phosphate battery with optional battery heater for cold temperature application
- Utilizes 4 LEDs in emergency mode with 657 lumens. Each of the 4 LEDs in emergency are designed to function independently in the unlikely event of a single LED malfunction
- Spectron® self-testing/self-diagnostic electronics are included standard
- Independent dedicated driver and LED array for battery/emergency mode operation

### CONTROLS

- Drivers are 0-10V dimming standard
- Universal button photocontrol for dusk to dawn energy savings
- Photocell and occupancy sensor options available for complete on/off and dimming control
- Occupancy sensor options available for complete on/off and dimming control

### CONTROLS (CONTINUED)

- In addition, GeoPak Size 2 can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details

### CERTIFICATIONS

- IP65 rated housing
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at [www.designlights.org](http://www.designlights.org)
- Zero uplight (U0), dark sky, neighbor friendly
- Drivers IP66 and RoHS compliant

### WARRANTY

- 5 year limited warranty
- See [HLI Standard Warranty](#) for additional information

| KEY DATA                       |                 |
|--------------------------------|-----------------|
| Lumen Range                    | 3,200-11,000    |
| Wattage Range                  | 28-87           |
| Efficacy Range (LPW)           | 112-146         |
| Fixture Projected Life (Hours) | L70>60K         |
| Weights lbs. (kg)              | 16-18 (7.3-8.2) |



# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

## ORDERING GUIDE

Example: TRP2-24L30-3K7-2-UNV-DB

 CATALOG # 

### ORDERING INFORMATION

| Series                 | # LEDs - Wattage                | CCT/CRI                  | Distribution      | Voltage                         | Secondary Mounting                         |
|------------------------|---------------------------------|--------------------------|-------------------|---------------------------------|--|
| <b>TRP2</b> Trapezoid  | <b>24L-30</b> 24 LEDs, 30 watts | <b>3K7</b> 3000K, 70 CRI | <b>1</b> TYPE I   | <b>UNV</b> 120-277V             | <b>BLANK</b> Downlight Only                |
| <b>RD12</b> Radius     | <b>24L-50</b> 24 LEDs, 50 watts | <b>4K7</b> 4000K, 70 CRI | <b>2</b> TYPE II  | <b>120</b> 120V                 | <b>NV<sup>2</sup></b> Inverted/Up Mounting |
| <b>QSP2</b> Qtr-sphere | <b>24L-70</b> 24 LEDs, 70 watts | <b>5K7</b> 5000K, 70 CRI | <b>3</b> TYPE III | <b>208</b> 208V                 |  |
|                        | <b>24L-90</b> 24 LEDs, 90 watts |                          | <b>4</b> TYPE IV  | <b>240</b> 240V                 |  |
|                        | <b>32L-70</b> 32 LEDs, 70 watts |                          |                   | <b>277</b> 277V                 |  |
|                        | <b>32L-90</b> 32 LEDs, 90 watts |                          |                   | <b>UNV<sup>1</sup></b> 347/480V |  |
|                        |                                 |                          |                   | <b>347<sup>1</sup></b> 347V     |  |
|                        |                                 |                          |                   | <b>480<sup>1</sup></b> 480V     |  |

| Color                            | Control Options Network   | Options  | Notes:   |
|----------------------------------|---|--|--|
| <b>BL</b> Black textured         | <b>PC</b> Button Photocontrol   | <b>SF<sup>3</sup></b> Single Fuse & fuse holder        | 1 70 & 90 watt versions only   |
| <b>DB</b> Dark bronze textured   | <b>SCP<sup>4,5</sup></b> Programmable occupancy sensor, factory default is 10% light output | <b>DF<sup>3</sup></b> Double fuse & fuse holder        | 2 Not available with SCP, SCO, SWPM sensor and E/EH battery options  |
| <b>GT</b> Graphite textured      | <b>SCO<sup>4</sup></b> Sensor Control, On/Off   | <b>E<sup>3</sup></b> Battery pack (0°C)                | 3 Must specify voltage (120, 277 or 347V only for SWP & SWP, 120 or 277V only for E & EH)  |
| <b>GR</b> Gray textured matte    | <b>SWP<sup>3,7</sup></b> SiteSync Pre-Commission  | <b>EH<sup>3</sup></b> Battery pack (-30°C) with heater | 4 PCU option not applicable, included in sensor  |
| <b>GYS</b> Light gray smooth     | <b>SWPM<sup>3,4,7,8</sup></b> SiteSync Pre-Commission w/ Occupancy Sensor                   | <b>2DR<sup>6</sup></b> Dual Drivers                    | 5 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings |
| <b>PS</b> Platinum silver smooth | <b>Spec SCP/SCO &amp; SWPM Mount Height</b>   | <b>2PF<sup>6</sup></b> Dual power feeds                | 6 Not available with 30w version   |
| <b>WH</b> White textured         | <b>-8F</b> Up to 8ft mount height   | <b>CS</b> Comfort shield                               | 7 Not available with E/EH options. Must specify group and zone information at time of order. See www.HubbellLighting.com/product/sitesync for future details.                |
| <b>CC</b> Custom color           | <b>-20F</b> Up to 20ft mount height   |  | 8 Specify time delay, dimming level and mounting height  |

### ACCESSORIES (ORDERED SEPARATELY)

| Catalog Number                              | Description  |
|---|--|
| <input type="checkbox"/> <b>SCP-REMOTE*</b> | Remote control for SCP option. Order at least one per  |
| <input type="checkbox"/> <b>BB-GEO-XX</b>   | Black box with 4-1/2" threaded conduit holes, specify finish by replacing "XX" with finish selection, eg. Dark Bronze "DB" |
| <input type="checkbox"/> <b>SWUSB**</b>     | SiteSync loaded on USB flash drive (Windows based only)  |
| <input type="checkbox"/> <b>SWTAB**</b>     | SiteSync Windows Tablet  |
| <input type="checkbox"/> <b>SWBRG+</b>      | SiteSync Wireless Bridge Node  |

Notes:

- \* Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings.
- \*\* When ordering with SiteSync, one of the following interface options must be chosen an ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.
- + If needed, an additional Bridge Node can be ordered

# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

## INPUT POWER CONSUMPTION

| # of LEDs | Drive Current (mA) | Input Voltage (V) | Current (Amps) | System Power (w) |
|-----------|--------------------|-------------------|----------------|------------------|
| 24        | 350mA              | 120               | 0.23           | 28               |
|           |                    | 277               | 0.10           | 28               |
|           | 625mA              | 120               | 0.41           | 49               |
|           |                    | 277               | 0.18           | 49               |
|           | 900mA              | 120               | 0.59           | 71               |
|           |                    | 277               | 0.25           | 71               |
|           |                    | 347               | 0.20           | 71               |
|           |                    | 480               | 0.15           | 71               |
|           | 70                 | 120               | 0.72           | 87               |
|           |                    | 277               | 0.31           | 87               |
|           |                    | 347               | 0.25           | 87               |
|           |                    | 480               | 0.18           | 87               |
| 32        | 110                | 120               | 0.56           | 67               |
|           |                    | 277               | 0.24           | 67               |
|           |                    | 347               | 0.19           | 67               |
|           |                    | 480               | 0.14           | 67               |
|           | 140                | 120               | 0.69           | 83               |
|           |                    | 277               | 0.30           | 83               |
|           |                    | 347               | 0.24           | 83               |
|           |                    | 480               | 0.17           | 83               |

# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

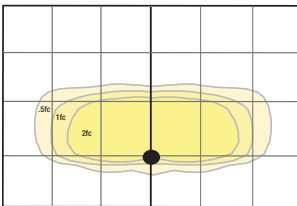
## PERFORMANCE DATA

| Description | Nominal Wattage | System Watts | Dist. Type | 5K (5000K NOMINAL 70 CRI) |     |   |   |   | 4K (4000K NOMINAL 70 CRI) |     |   |   |   | 3K (3000K NOMINAL 80 CRI) |     |   |   |   |
|-------------|-----------------|--------------|------------|---------------------------|-----|---|---|---|---------------------------|-----|---|---|---|---------------------------|-----|---|---|---|
|             |                 |              |            | Lumens                    | LPW | B | U | G | Lumens                    | LPW | B | U | G | Lumens                    | LPW | B | U | G |
| 24          | 350mA           | 28           | 1          | 4,075                     | 146 | 1 | 0 | 0 | 4,065                     | 146 | 1 | 0 | 0 | 3,660                     | 131 | 0 | 0 | 0 |
|             |                 |              | 2          | 3,747                     | 134 | 1 | 0 | 1 | 3,738                     | 134 | 1 | 0 | 1 | 3,366                     | 121 | 1 | 0 | 1 |
|             |                 |              | 3          | 3,756                     | 135 | 1 | 0 | 1 | 3,747                     | 134 | 1 | 0 | 1 | 3,374                     | 121 | 1 | 0 | 1 |
|             |                 |              | 4          | 3,656                     | 131 | 0 | 0 | 1 | 3,647                     | 131 | 0 | 0 | 1 | 3,284                     | 118 | 0 | 0 | 1 |
|             | 625mA           | 49           | 1          | 6,329                     | 130 | 1 | 0 | 0 | 6,313                     | 130 | 1 | 0 | 0 | 5,685                     | 117 | 1 | 0 | 0 |
|             |                 |              | 2          | 5,820                     | 120 | 1 | 0 | 1 | 5,806                     | 119 | 1 | 0 | 1 | 5,228                     | 108 | 1 | 0 | 1 |
|             |                 |              | 3          | 5,833                     | 120 | 1 | 0 | 2 | 5,819                     | 120 | 1 | 0 | 2 | 5,240                     | 108 | 1 | 0 | 2 |
|             |                 |              | 4          | 5,678                     | 117 | 1 | 0 | 2 | 5,664                     | 117 | 1 | 0 | 2 | 5,100                     | 105 | 1 | 0 | 2 |
|             | 900mA           | 71           | 1          | 8,613                     | 122 | 1 | 0 | 1 | 8,592                     | 122 | 1 | 0 | 1 | 7,737                     | 110 | 1 | 0 | 1 |
|             |                 |              | 2          | 7,921                     | 112 | 1 | 0 | 2 | 7,902                     | 112 | 1 | 0 | 2 | 7,115                     | 101 | 1 | 0 | 2 |
|             |                 |              | 3          | 7,939                     | 112 | 1 | 0 | 2 | 7,920                     | 112 | 1 | 0 | 2 | 7,131                     | 101 | 1 | 0 | 2 |
|             |                 |              | 4          | 7,728                     | 109 | 1 | 0 | 2 | 7,709                     | 109 | 1 | 0 | 2 | 6,942                     | 98  | 1 | 0 | 2 |
|             | 1100mA          | 87           | 1          | 10,791                    | 124 | 1 | 0 | 1 | 10,765                    | 124 | 1 | 0 | 1 | 9,694                     | 112 | 1 | 0 | 1 |
|             |                 |              | 2          | 9,924                     | 114 | 2 | 0 | 2 | 9,900                     | 114 | 1 | 0 | 2 | 8,915                     | 103 | 1 | 0 | 2 |
|             |                 |              | 3          | 9,946                     | 115 | 1 | 0 | 2 | 9,922                     | 114 | 1 | 0 | 2 | 8,935                     | 103 | 1 | 0 | 2 |
|             |                 |              | 4          | 9,682                     | 112 | 1 | 0 | 2 | 9,659                     | 111 | 1 | 0 | 2 | 8,696                     | 100 | 1 | 0 | 2 |
| 32          | 650mA           | 67           | 1          | 8,621                     | 129 | 1 | 0 | 1 | 8,600                     | 128 | 1 | 0 | 1 | 7,744                     | 116 | 1 | 0 | 1 |
|             |                 |              | 2          | 7,928                     | 118 | 1 | 0 | 2 | 7,909                     | 118 | 1 | 0 | 2 | 7,122                     | 106 | 1 | 0 | 2 |
|             |                 |              | 3          | 7,946                     | 119 | 1 | 0 | 2 | 7,927                     | 118 | 1 | 0 | 2 | 7,137                     | 107 | 1 | 0 | 2 |
|             |                 |              | 4          | 7,735                     | 115 | 1 | 0 | 2 | 7,716                     | 115 | 1 | 0 | 2 | 6,948                     | 104 | 1 | 0 | 2 |
|             | 850mA           | 83           | 1          | 10,806                    | 130 | 1 | 0 | 1 | 10,780                    | 130 | 1 | 0 | 1 | 9,705                     | 117 | 1 | 0 | 1 |
|             |                 |              | 2          | 9,938                     | 120 | 2 | 0 | 2 | 9,914                     | 119 | 1 | 0 | 2 | 8,927                     | 108 | 1 | 0 | 2 |
|             |                 |              | 3          | 9,960                     | 120 | 1 | 0 | 2 | 9,936                     | 120 | 1 | 0 | 2 | 8,947                     | 108 | 1 | 0 | 2 |
|             |                 |              | 4          | 9,695                     | 117 | 1 | 0 | 2 | 9,672                     | 117 | 1 | 0 | 2 | 8,709                     | 105 | 1 | 0 | 2 |

## PHOTOMETRY

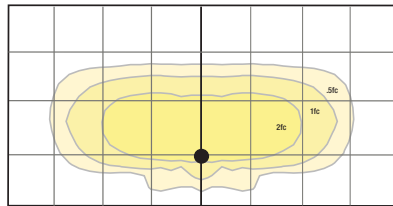
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see [website photometric test reports](#).

TRP2-24L-50-4K7-1



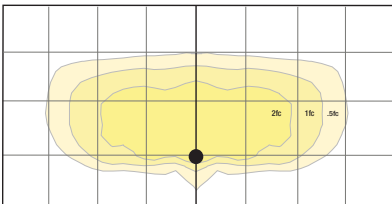
Mounting Height: 15'

TRP2-24L-50-4K7-2



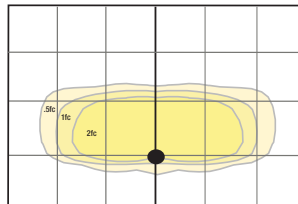
Mounting Height: 15'

TRP2-24L-50-4K7-3



Mounting Height: 15'

TRP2-24L-50-4K7-4

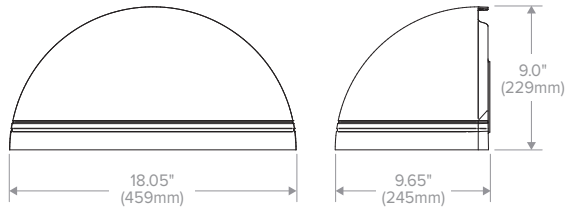


Mounting Height: 15'

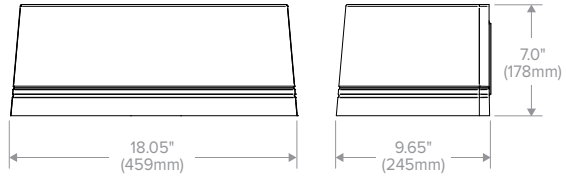
# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

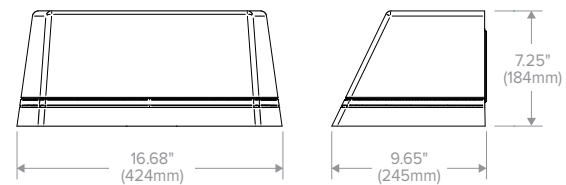
## DIMENSIONS



**QSP2**  
Weight:  
15 lbs (6.8 kg)



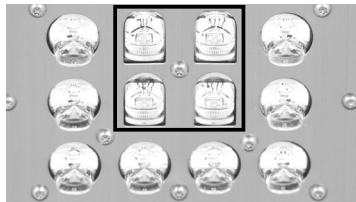
**RD12**  
Weight:  
16 lbs (7.3 kg)



**TRP2**  
Weight:  
16 lbs (7.3 kg)

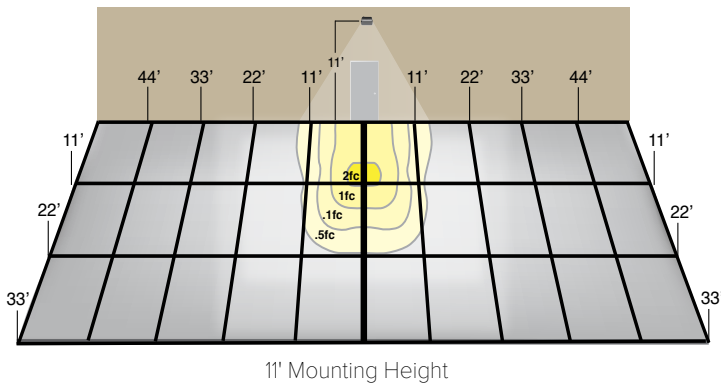
## ADDITIONAL INFORMATION (CONT'D)

### E & EH EMERGENCY BATTERY BACKUP



24 or 32 high power LEDs generate up to 11,000 lumens in normal mode and use 4 LEDs for up to 700 lumens in emergency mode.

### PHOTOMETRICS - BATTERY BACK UP



Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

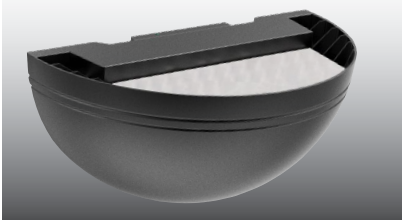
Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

# GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RD12

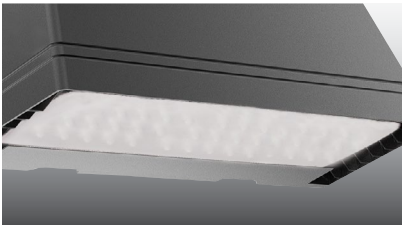
## ADDITIONAL INFORMATION (CONT'D)

### INVERTED MOUNTING



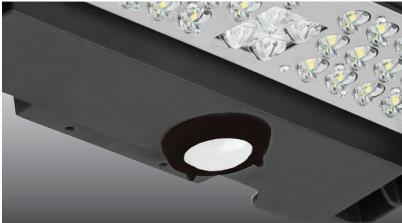
Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser softens output, improves uniformity and prevents water from collecting.

### COMFORT SHIELD



Comfort shield option utilizes a frosted acrylic lens that softens output and improves uniformity. Available from the factory or as an accessory for field installation.

### CONTROL OPTIONS

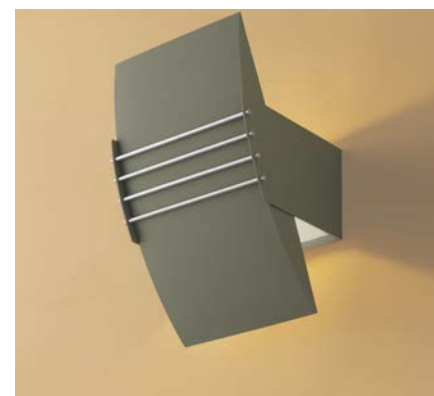
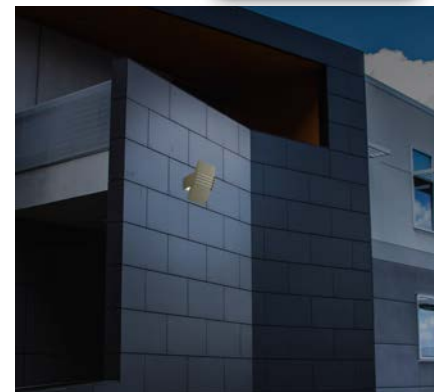
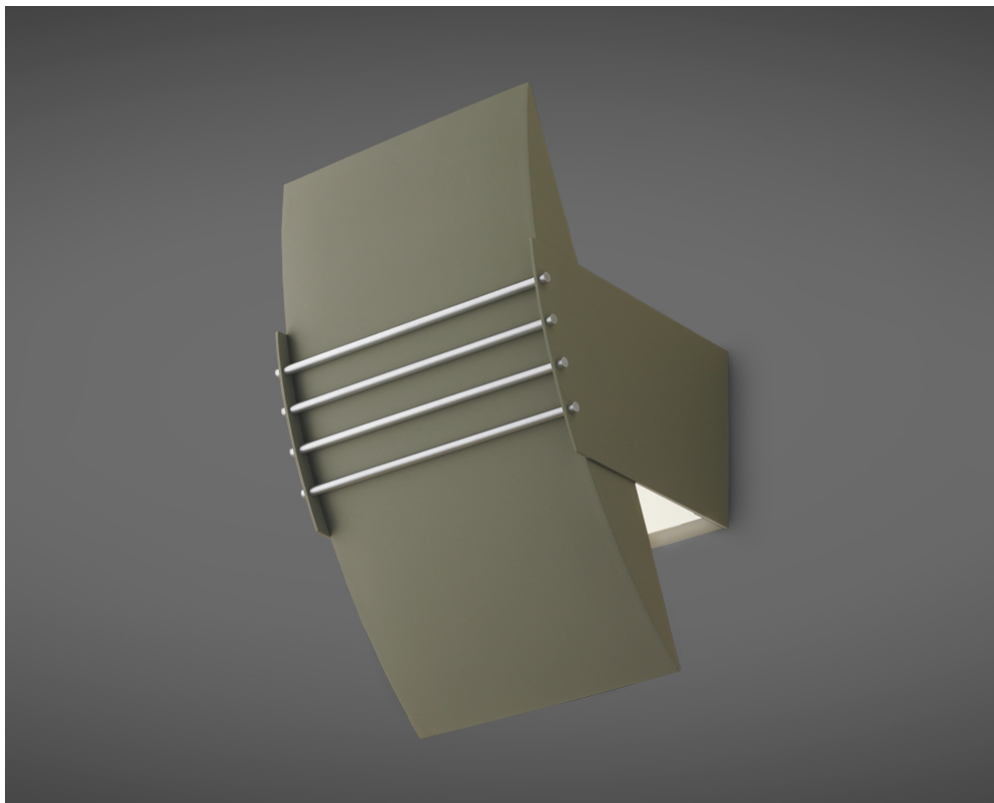


Programmable occupancy sensor offers greater control and energy savings with adjustable delay and dimming levels (Factory default is 10%)

## USE OF TRADEMARKS AND TRADE NAMES

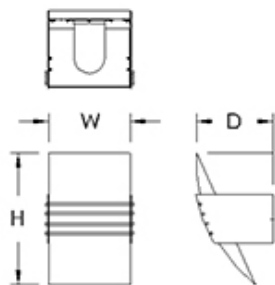
All product and company names, logos and product identifies are trademarks <sup>™</sup> or registered trademarks <sup>®</sup> of Hubbell Lighting, Inc. or their respective owners. Use of them does not necessarily imply any affiliation with or endorsement by such respective owners.

# S9315 Series



## DIMENSIONS

### SYMBOL



| W       | H   | D   | MC     | BASE MODEL NO.   |
|---------|-----|-----|--------|------------------|
| 11 3/4" | 19" | 11" | 9 5/8" | <b>S9315-L24</b> |

## SPECIFICATIONS

**Driver:** 0-10V dimming to 1%, 120/277

**Mounting:** Mounts to all Standard Electrical Junction Boxes (by others) With Hardware Provided. Silicone Seal Required (by others).

## FEATURES

- Solid Aluminum Material
- UL Listed for Wet Location
- LED 0-10V Dimming Driver

## ORDER AS A COMPLETE UNIT:

Model No. + Lamp Code + CCT + Finish + Option Code

S9315-L24 + 27K + PT + Option  
 30K BA  
 35K  
 40K ←

## FINISHES

**BA** Brushed Aluminum **PT** Powder Coated Finishes\*

\*\*

\*(Specify Color Code from the list of Powder Coating Finishes [except interior only metallics])

## OPTIONS

**EML** Emergency Battery Pack with LED Lighting (Remote)

## LIGHT OUTPUT

**LXX** = ~ 48 LPW Delivered Lumens (Example: L24= 24 x 48 = 1152 Lumens)

\*\* Try our new **Shimmer Metallic Paints**, Formulated for Exterior Conditions.

**UPLIGHT SHINES ONTO SOFFIT OF PORTE COCHERE AND DOES NOT TRESPASS BEYOND ROOF**



# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

## SYMBOL



## LITEISTRY™



### FEATURES

- 6" architectural LED downlight delivering 600 – 9000 lm
- Four beam distributions from 0.3 to 1.1 Spacing Criteria
- Quiet reflector appearance with superior 50° optical cutoff
- 2700K – 5000K, 80+ and 90+ CRI options
- Available for New Construction (non-IC), Retrofit (non-IC), IC and Chicago Plenum applications
- Variety of dimming protocol options including 0–10V, DALI, DMX, Lutron Forward Phase, and EcoSystem
- NX Distributed Intelligence™ wired and wireless controls capability available



### RELATED PRODUCTS

Ø 3" LITEISTRY Family

Ø 4" LITEISTRY Family

Ø 6" LITEISTRY Family

### CONTROL TECHNOLOGY



### SPECIFICATIONS

#### CONSTRUCTION

- Standard Non-IC. Chicago Plenum, IC and Retrofit options
- New Construction: Painted black durable steel platform with pre-installed bar hangers
- Retrofit: Die cast aluminum mounting ring with 5-axis adjustable junction box
- Retrofit housing allows below ceiling installation without removing existing fixture
- Pre-wired junction box with snap-on covers for easy access
- Snap-in connection from driver compartment allows easy installation
- Light Engine connections use plenum rated (CMP) cable

#### OPTICS

- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or pixelation and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity spun aluminum reflector, self-flanged
- Flush Mount flange option with mud-in ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

#### ELECTRICAL

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >55,000 hours (TM-21)
- Universal voltage 120V–277V driver, 347V optional
- UL Class 2, inherent short circuit and overload protection, RoHS compliant
- Flicker free 0-10V dimming with 1% or <1% performance
- DALI, DMX, and Lutron Forward Phase and EcoSystem options
- NX or Lutron Vibe control options available
- Integral and remote controller and battery pack options available
- Refer to additional spec sheets for information on SpectraSync™ Tunable White or Dim-to-Warm or [PowerHUBB™ PoE enabled](#) solutions

#### INSTALLATION

- Accommodates ceiling thickness up to 2" (SL, ML, HL); up to 1.25" (VL, XL)
- Universal adjustable mounting brackets also accept 0.5" EMT conduit or 1.5" or 0.75" lathing channel (by others) or Prescolite accessory bar hangers (B24 or B6).
- Light Engine/Driver fully serviceable from above or below the ceiling

#### CERTIFICATIONS

- cCSAus certified to UL 1598
- For ≥70L: Marked spacing required 36" fixture center to center; 36" fixture center to building member; 0.5" above fixture
- Suitable for wet locations, covered ceiling
- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment
- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring
- ENERGY STAR® certified models available (See list and additional information on page 8)

#### WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

| KEY DATA              |               |
|-----------------------|---------------|
| Lumen Range           | 600-9000      |
| Wattage Range         | 8-99          |
| Efficacy Range (LPW)  | 94-104*       |
| Reported Life (Hours) | L90 / >55,000 |
| Input Current (mA)    | 65-825 (120V) |

\*Based on Specular, 35K, 80 CRI

# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

|            |           |
|------------|-----------|
| DATE:      | LOCATION: |
| TYPE:      | PROJECT:  |
| CATALOG #: |           |

## ORDERING GUIDE

Example: LTR-6RD-H-SL10L-DM1-LTR-6RD-T-SL35K8MDS

CATALOG #

### HOUSING

| LTR-6RD-H               |   | Lumen Package |                                | Lumen Output |      | Driver Options <sup>3</sup> |  | Control Options |   | Voltage  |          | Housing Options <sup>11</sup> |  |      |                       |      |  |     |  |     |                           |
|-------------------------|---|---------------|--------------------------------|--------------|------|-----------------------------|--|-----------------|---|----------|----------|-------------------------------|--|------|-----------------------|------|--|-----|--|-----|---------------------------|
| Aperture/Shape/Function |   |               |                                |              |      |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
| LTR-6RD-H               | 6" Round Downlight New Construction Housing                           | SL            | Standard Lumen                 | 06L          | 600  | DM1                         | 0-10V Dimming to 1%  | NXE             | NX Enabled, Dual SmartPorts <sup>4</sup>          | Standard | 120-277V | CP                            | Chicago Plenum <sup>9</sup>  |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 10L          | 1000 |                             |  |                 |   |          |          |                               |  | DMO1 | 0-10V Dimming to < 1% | NXWE | NX Wireless Enabled <sup>4</sup>                   | 34  | 347V <sup>8</sup>  | IC  | IC rated <sup>10</sup>    |
|                         |   |               |                                | 15L          | 1500 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
| LTR-6RD-RFH             | 6" Round Downlight Retrofit Housing <sup>17</sup>                     | ML            | Medium Lumen                   | 20L          | 2000 | DMX                         | DMX with RDM dimming to < 0.1% <sup>3</sup>                                | NXWD            | NX Wireless Enabled, Dual SmartPorts <sup>4</sup> |          |          | EM                            | Emergency Battery Pack with integral test switch and indicator light |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 25L          | 2500 |                             |  |                 |   |          |          |                               |  | DALI | DALI Dimming to 1%    | LV   | Lutron Vive Enabled, 0-10V (requires 0-10V driver) | EMR | Emergency Battery Pack with remote test switch and indicator light |     |                           |
|                         |   |               |                                | 30L          | 3000 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 35L          | 3500 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
| LTR-6RD-RFHW            | 6" Round Downlight Retrofit Housing (for Wide Diameter) <sup>17</sup> | HL            | High Lumen                     | 40L          | 4000 | 2DM                         | Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) <sup>3</sup> | LVE             | Lutron Vive Enabled, EcoSystem, (requires EDM)    |          |          | DTS                           | Device Transfer Switch   |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 45L          | 4500 |                             |  |                 |   |          |          |                               |  | VL   | Very High Lumen       | 50L  | 5000   | 55L | 5500   | GTD | Generator Transfer Device |
|                         |   |               |                                | 60L          | 6000 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 70L          | 7000 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |
| LTR-6RD-XL              | 6" Round Downlight Retrofit Housing (for Wide Diameter) <sup>17</sup> | XL            | Extra high Lumen <sup>15</sup> | 80L          | 8000 | EDM                         | Lutron Hi-Lume EcoSystem Dimming to 1% <sup>3</sup>                        |                 |   |          |          | F                             | Fuse   |      |                       |      |  |     |  |     |                           |
|                         |   |               |                                | 90L          | 9000 |                             |  |                 |   |          |          |                               |  |      |                       |      |  |     |  |     |                           |

### TRIM

| LTR-6RD-T               |   | Lumen Package |                                | CCT |                    | CRI |        | Distribution |                     |
|-------------------------|---|---------------|--------------------------------|-----|--------------------|-----|--------|--------------|---------------------|
| Aperture/Shape/Function |   |               |                                |     |                    |     |        |              |                     |
| LTR-6RD-T               | 6" Round Downlight Light Engine/Trim Assembly | SL            | Standard Lumen                 | 27K | 2700K              | 8   | 80+CRI | NR           | Narrow (0.3 SC)     |
|                         |   | ML            | Medium Lumen                   | 30K | 3000K              | 9   | 90+CRI | MD           | Medium (0.6 SC)     |
|                         |   | HL            | High Lumen                     | 35K | 3500K              |     |        | WD           | Wide (0.9 SC)       |
|                         |   | VL            | Very High Lumen                | 40K | 4000K              |     |        | XW           | Extra Wide (1.1 SC) |
|                         |   | XL            | Extra High Lumen <sup>15</sup> | 50K | 5000K <sup>2</sup> |     |        |              |                     |

### TRIM CONTINUED

| Reflector Finish  |                 | Reflector Color |                               | Flange Color Options             |                           | Lower Trim Options  |  | Reflector Options                     |  |
|---|-----------------|-----------------|-------------------------------|----------------------------------|---------------------------|---|--|---------------------------------------|--|
| <i>Finish not applicable with painted reflectors (WC or BC)</i> |                 | Standard Clear  |                               | Standard matches reflector color |                           | EM  |  | AM                                    |  |
| S   | Specular        | CG              | Champagne Gold                | WT                               | White Flange <sup>5</sup> | Pre-punched reflector for EM integral test switch and indicator |  | Antimicrobial Coating <sup>6</sup>    |  |
| SS  | Semi-Specular   | BL              | Black                         | BT                               | Black Flange <sup>5</sup> | FM  |  | Flush Mount Mud-in Ring <sup>12</sup> |  |
| MFC   | American Matte™ | LW              | Light Wheat                   |                                  |                           | WF  |  | Wide Flange                           |  |
| VS  | Softglow®       | PW              | Pewter                        |                                  |                           |   |  |                                       |  |
| VSS   | SoftSheen™      | WC              | Painted White Cone and Flange |                                  |                           |   |  |                                       |  |
|   |                 | BC              | Painted Black Cone and Flange |                                  |                           |   |  |                                       |  |

Notes:

- RFH and RFHW available up to 30L; not available with Controls or Housing options.
- 5000K available in 80+ CRI only.
- 2DM, EDM, DMX available in 10L-35L. DMO1, DALI not available on >55L.
- NX requires DM1 driver option, not available on >60L.
- WT not needed for WC, BT not needed for BC.
- Clear reflector or WC only, consult factory for other colors.
- See line art for compatibility with existing aperture diameters.
- 347V requires DM1 driver option; available 10L - 60L not available with Controls, F, GTD, DTS, EM, EMR.
- CP available up to 20L; not available with DMX, Controls, or EMR options.
- IC available up to 20L; not available with Controls options.
- Housing options (except Fuse) not available in combination.
- Flush Mount Flange (FM) requires FMR accessory (sold separately).
- DM1 on >60L is 0-10V to 5% dimming.
- Not for use with Retrofit housings (RFH/RFHW)
- XL (70L-90L) require marked spacing. See line art for more details.

#### Accessories

- B24** Set of two (2) 24" bar hangers for T-bar ceilings<sup>14</sup>
- B6** Set of two bar hangers for ceiling joist up to 24" centers<sup>14</sup>
- FMR6-R** Flush Mount Mud-In Ring, 6" Round
- LiteGear** LiteGear® Inverter, 125VA-250VA
- LPS Series** LightPower Micro-Inverter, 20VA-55VA



# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

|            |           |
|------------|-----------|
| DATE:      | LOCATION: |
| TYPE:      | PROJECT:  |
| CATALOG #: |           |

## CONTROLS

### NX Distributed Intelligence™ Lighting Controls:

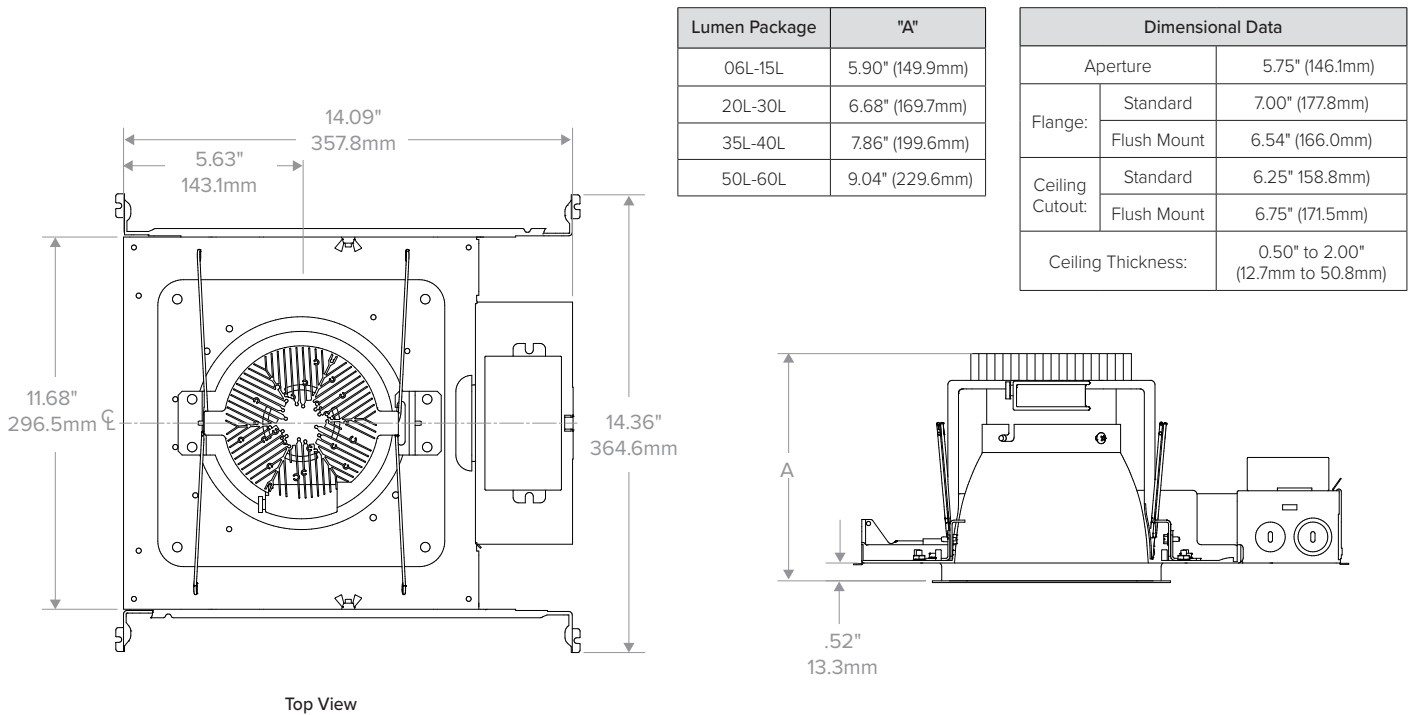
Supports applications in a variety of deployment options- wired, wireless, hybrid. Integrates with and enables a wide array of luminaires including those with SpectraSync™ Color Tuning Technology.



| NX INTEGRATED CONTROLS REFERENCE     |        |             |            |           |                     |               |                |   |
|--------------------------------------|--------|-------------|------------|-----------|---------------------|---------------|----------------|---|
| NX Option                            | Sensor | Networkable | Scheduling | Occupancy | Daylight Harvesting | 0-10V Dimming | On/off Control | Bluetooth® App Programming                      |
| <b>NX Networked – Wired</b>          |        |             |            |           |                     |               |                |   |
| NXE                                  | N/A    | Yes         | Yes        | No        | No                  | Yes           | Yes            | Requires <a href="#">NXBTC/R</a> <sup>1</sup>   |
| <b>NX Networked – Wireless</b>       |        |             |            |           |                     |               |                |   |
| NXWE <sup>2</sup>                    | N/A    | Yes         | Yes        | No        | No                  | Yes           | Yes            | No <sup>3</sup>                                 |
| <b>NX Networked – Wired/Wireless</b> |        |             |            |           |                     |               |                |   |
| NXWD                                 | N/A    | Yes         | Yes        | No        | No                  | Yes           | Yes            | Requires <a href="#">NXBTC/R</a> <sup>1,3</sup> |

- 1 NXBTC/R needs to be plugged into an available NX SmartPort™ on the fixture network
- 2 Programming via App requires factory assistance
- 3 To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

## DIMENSIONS



LTR-6RD-H (06L - 60L) New Construction

# LTR-6RD

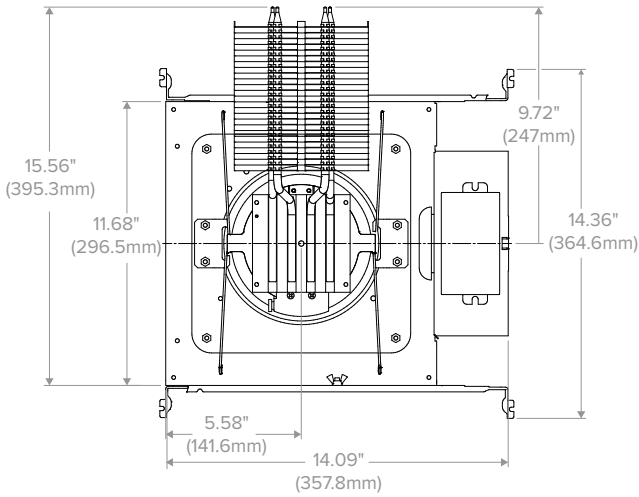
LITEISTRY 6" ROUND DOWNLIGHT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

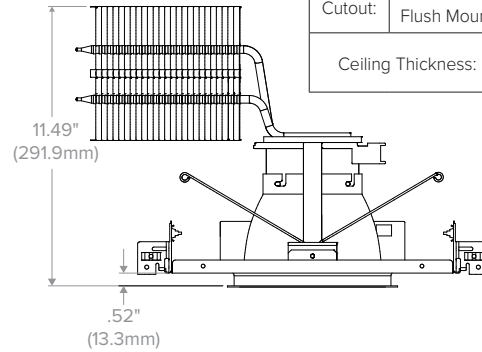
CATALOG #: \_\_\_\_\_

## DIMENSIONS CONTINUED



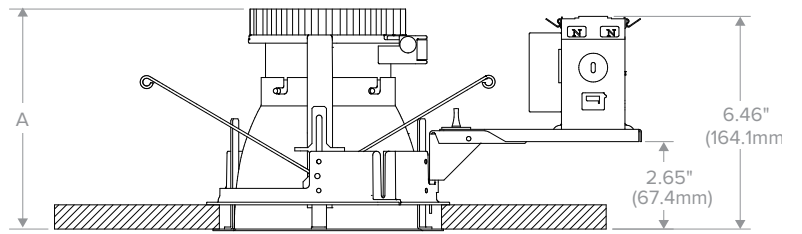
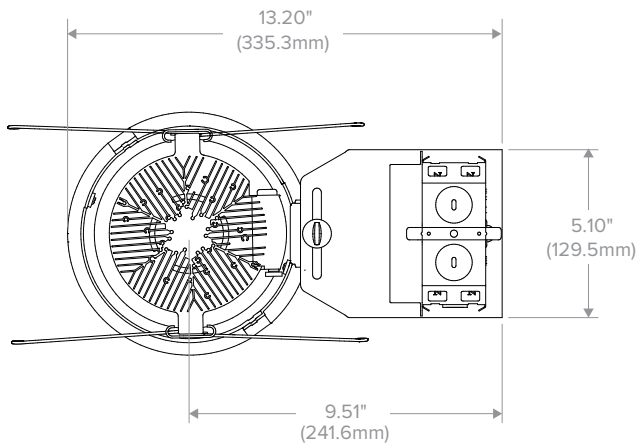
Top View

Marked spacing required:  
36" fixture center to center;  
36" center to building member;  
0.50" above fixture



| Dimensional Data   |             |                                   |
|--------------------|-------------|-----------------------------------|
| Aperture           |             | 5.75" (146.1mm)                   |
| Flange:            | Standard    | 7.00" (177.8mm)                   |
|                    | Flush Mount | 6.54" (166.0mm)                   |
| Ceiling Cutout:    | Standard    | 6.25" (158.8mm)                   |
|                    | Flush Mount | 6.75" (171.5mm)                   |
| Ceiling Thickness: |             | 0.50" to 1.25" (12.7mm to 31.8mm) |

### LTR-6RD-H (70L - 90L) New Construction



| Housing Compatibility Guide |                 |             |                   |
|-----------------------------|-----------------|-------------|-------------------|
| Existing Frame Opening**    |                 | Use Housing | Use Flange Option |
| MIN                         | MAX             |             |                   |
| 6.25" (156.3mm)             | 6.50" (165.1mm) | -RFH        | (Standard)        |
| 6.63" (168.4mm)             | 6.88" (172mm)   | -RFHW       | WF                |

\*\*Measure the existing plaster frame opening at its narrowest point

| Dimensional Data   |             |                                   |
|--------------------|-------------|-----------------------------------|
| Aperture           |             | 5.75" (146.1mm)                   |
| Flange:            | Standard    | 7.00" (177.8mm)                   |
|                    | Flush Mount | 6.54" (166.0mm)                   |
|                    | Wide (WF)   | 7.75" (196.9mm)                   |
| Ceiling Cutout:    | Standard    | 6.25" (158.8mm)                   |
|                    | Flush Mount | 6.75" (171.5mm)                   |
| Ceiling Thickness: |             | 0.50" to 2.00" (12.7mm to 50.8mm) |

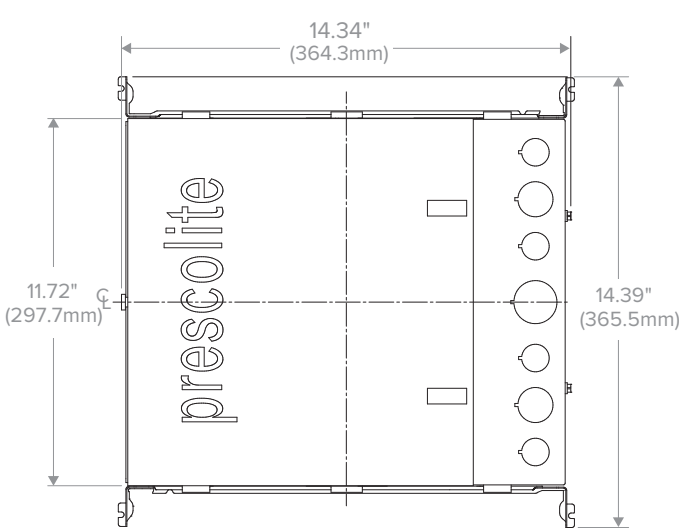
| Lumen Package | "A"             |
|---------------|-----------------|
| 06L-15L       | 5.90" (149.9mm) |
| 20L-30L       | 6.68" (169.7mm) |

### LTR-6RD-RFH/-RFHW

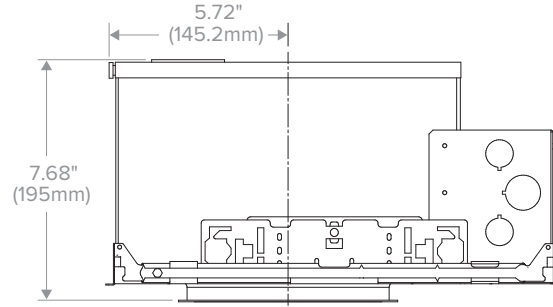
# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

## DIMENSIONS CONTINUED



LTR-6RD-IC



| Dimensional Data   |             |                                   |
|--------------------|-------------|-----------------------------------|
| Aperture           |             | 5.75" (146.1mm)                   |
| Flange:            | Standard    | 7.00" (177.8mm)                   |
|                    | Flush Mount | 6.54" (166.0mm)                   |
| Ceiling Cutout:    | Standard    | 6.25" 158.8mm)                    |
|                    | Flush Mount | 6.75" (171.5mm)                   |
| Ceiling Thickness: |             | 0.50" to 2.00" (12.7mm to 50.8mm) |

## PHOTOMETRY

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8NRS

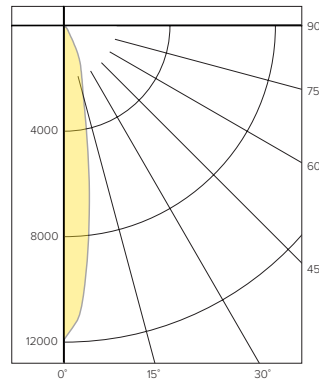
#### LUMINAIRE DATA

|                   |                                |
|-------------------|--------------------------------|
| Test No.          | 19.00588                       |
| Description       | 2000 lm, Narrow, 3500K, 80 CRI |
| Delivered Lumens  | 2355                           |
| Watts             | 22.6W                          |
| Efficacy          | 104.0                          |
| Mounting          | Recessed                       |
| Spacing Criterion | 0.3                            |
| Beam Angle (FWHM) | 18                             |

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40  | 2290   | 97.2        |
| 0-60  | 2355   | 100.0       |
| 0-90  | 2355   | 100.0       |
| 0-180 | 2355   | 100.0       |

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0      | 11881   |
| 5      | 9399    |
| 15     | 2776    |
| 25     | 1236    |
| 35     | 255     |
| 45     | 74      |
| 55     | 0       |
| 65     | 0       |
| 75     | 0       |
| 85     | 0       |
| 90     | 0       |

#### LUMINANCE DATA\*

| Vertical Angle | Average |
|----------------|---------|
| 45°            | 6247    |
| 55°            | 0       |
| 65°            | 0       |
| 75°            | 0       |
| 85°            | 0       |

\*Candela/Square Meter

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8MDS

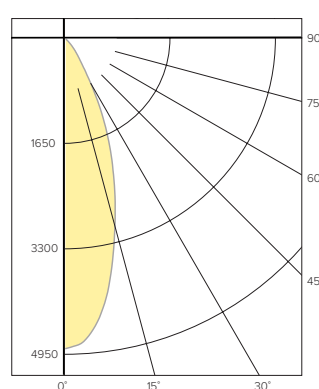
#### LUMINAIRE DATA

|                   |                                |
|-------------------|--------------------------------|
| Test No.          | 19.00587                       |
| Description       | 2000 lm, Medium, 3500K, 80 CRI |
| Delivered Lumens  | 2265                           |
| Watts             | 22.6W                          |
| Efficacy          | 100.0                          |
| Mounting          | Recessed                       |
| Spacing Criterion | 0.6                            |
| Beam Angle (FWHM) | 37                             |

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40  | 2171   | 95.9        |
| 0-60  | 2262   | 99.9        |
| 0-90  | 2265   | 100.0       |
| 0-180 | 2265   | 100.0       |

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0      | 4851    |
| 5      | 4619    |
| 15     | 3007    |
| 25     | 1450    |
| 35     | 386     |
| 45     | 99      |
| 55     | 6       |
| 65     | 2       |
| 75     | 1       |
| 85     | 0       |
| 90     | 0       |

#### LUMINANCE DATA\*

| Vertical Angle | Average |
|----------------|---------|
| 45°            | 8357    |
| 55°            | 624     |
| 65°            | 282     |
| 75°            | 231     |
| 85°            | 0       |

\*Candela/Square Meter

# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

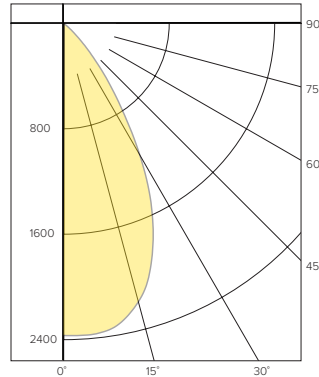
## PHOTOMETRY CONTINUED

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8WDS

#### LUMINAIRE DATA

|                   |                              |
|-------------------|------------------------------|
| Test No.          | 19.00585                     |
| Description       | 2000 lm, Wide, 3500K, 80 CRI |
| Delivered Lumens  | 2180                         |
| Watts             | 22.6W                        |
| Efficacy          | 96.1                         |
| Mounting          | Recessed                     |
| Spacing Criterion | 0.9                          |
| Beam Angle (FWHM) | 59                           |

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0      | 2368    |
| 5      | 2371    |
| 15     | 2189    |
| 25     | 1591    |
| 35     | 726     |
| 45     | 177     |
| 55     | 10      |
| 65     | 3       |
| 75     | 1       |
| 85     | 0       |
| 90     | 0       |

#### LUMINANCE DATA\*

| Vertical Angle | Average |
|----------------|---------|
| 45°            | 14942   |
| 55°            | 1041    |
| 65°            | 424     |
| 75°            | 231     |
| 85°            | 0       |

\*Candela/Square Meter

#### ZONAL LUMEN SUMMARY

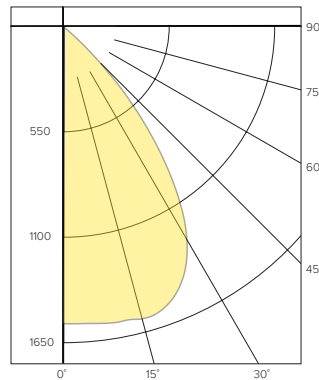
| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40  | 2014   | 92.4        |
| 0-60  | 2176   | 99.8        |
| 0-90  | 2180   | 100.0       |
| 0-180 | 2180   | 100.0       |

### LTR-6RD-H-ML20L-DM1 / LTR-6RD-T-ML35K8XWS

#### LUMINAIRE DATA

|                   |                                    |
|-------------------|------------------------------------|
| Test No.          | 19.00586                           |
| Description       | 2000 lm, Extra Wide, 3500K, 80 CRI |
| Delivered Lumens  | 2139                               |
| Watts             | 22.7W                              |
| Efficacy          | 94.4                               |
| Mounting          | Recessed                           |
| Spacing Criterion | 1.1                                |
| Beam Angle (FWHM) | 76                                 |

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

| Degree | Candela |
|--------|---------|
| 0      | 1547    |
| 5      | 1552    |
| 15     | 1576    |
| 25     | 1461    |
| 35     | 1007    |
| 45     | 301     |
| 55     | 9       |
| 65     | 3       |
| 75     | 1       |
| 85     | 0       |
| 90     | 0       |

#### LUMINANCE DATA\*

| Vertical Angle | Average |
|----------------|---------|
| 45°            | 25409   |
| 55°            | 937     |
| 65°            | 424     |
| 75°            | 231     |
| 85°            | 0       |

\*Candela/Square Meter

#### ZONAL LUMEN SUMMARY

| Zone  | Lumens | % Luminaire |
|-------|--------|-------------|
| 0-40  | 1875   | 87.7        |
| 0-60  | 2134   | 99.8        |
| 0-90  | 2139   | 100.0       |
| 0-180 | 2139   | 100.0       |

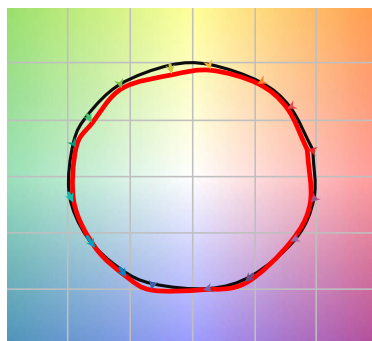
#### LUMEN MULTIPLIER

| Option     | 27K8 | 30K8 | 35K8 | 40K8 | 50K8 | 27K9 | 30K9 | 35K9 | 40K9 |
|------------|------|------|------|------|------|------|------|------|------|
| Multiplier | 0.94 | 0.98 | 1.00 | 1.01 | 1.02 | 0.81 | 0.84 | 0.85 | 0.85 |

Photometrics are published below at a nominal 3500 Kelvin, 80+ CRI. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

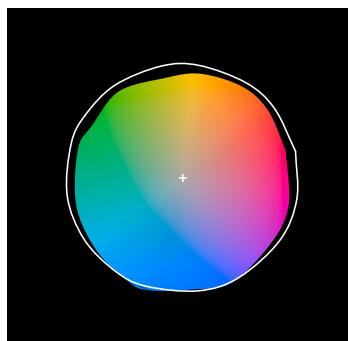
## TM-30 DATA

#### COLOR VECTOR GRAPHIC 3500K, 90 CRI



— Reference Illuminant — Test Source

#### COLOR DISTORTION GRAPHIC 3500K, 90 CRI



| TEST RESULTS - 3500K |         |         |
|----------------------|---------|---------|
| Value                | 80+ CRI | 90+ CRI |
| R <sub>f</sub>       | 84      | 88      |
| R <sub>g</sub>       | 95      | 95      |
| CCT (K)              | 3411    | 3419    |
| D <sub>uv</sub>      | 0.0015  | 0.0042  |
| x                    | 0.4120  | 0.4147  |
| y                    | 0.3974  | 0.4052  |
| CIE R <sub>a</sub>   | 84      | 93      |
| CIE R <sub>g</sub>   | 11      | 62      |

# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

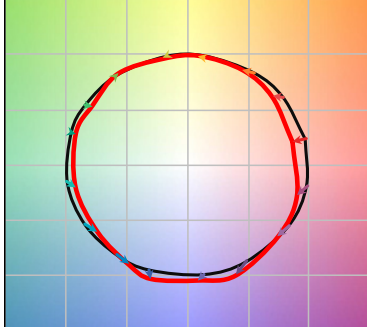
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## TM-30 DATA CONTINUED

COLOR VECTOR GRAPHIC  
3500K, 80 CRI



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC  
3500K, 80 CRI



## ELECTRICAL DATA

| DRIVER DATA                        |           |          |
|------------------------------------|-----------|----------|
| Input Voltage                      | 120-277 V | 347 V    |
| Input Frequency                    | 50/60 Hz  | 50/60 Hz |
| Power Factor                       | ≥0.90     | ≥0.90    |
| THD                                | <20%      | <20%     |
| EMI Filtering (FCC 47 CFR Part 15) | Class A   | Class A  |

\* Values for DMI option shown, values for other dimming options may vary.

| WATTAGE DATA |                |         |
|--------------|----------------|---------|
| Lumen Output | Nominal Lumens | WATTAGE |
| 06L          | 600            | 8       |
| 10L          | 1000           | 12      |
| 15L          | 1500           | 19      |
| 20L          | 2000           | 23      |
| 25L          | 2500           | 28      |
| 30L          | 3000           | 35      |
| 35L          | 3500           | 43      |
| 40L          | 4000           | 52      |
| 45L          | 4500           | 55      |
| 50L          | 5000           | 49      |
| 55L          | 5500           | 54      |
| 60L          | 6000           | 61      |
| 70L          | 7000           | 72      |
| 80L          | 8000           | 85      |
| 90L          | 9000           | 99      |

\* Wattage may vary based on configuration and options selected



# LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## ADDITIONAL INFORMATION

| DIMMING COMPATIBILITY CHART |   |   |
|-----------------------------|---|---|
| Dimming Driver              | Manufacturer                            | Web Link  |
| DM1 /DM01                   | Lutron DDTV                             | <a href="http://bit.ly/1ljSvZg">http://bit.ly/1ljSvZg</a> |
| DM1                         | Leviton AWRMG-7xx, AWSMG-7xx, AWSMT-7xx | <a href="http://bit.ly/1BJn2R9">http://bit.ly/1BJn2R9</a> |
| EDM                         | Lutron                                  | <a href="http://bit.ly/1vtjHAJ">http://bit.ly/1vtjHAJ</a> |
| 2DM                         | Lutron                                  | <a href="http://bit.ly/1S4WjXK">http://bit.ly/1S4WjXK</a> |

### DMX

See instruction sheet on [www.prescolite.com](http://www.prescolite.com) for connection & installation information.

### Central Inverters

For full fixture output in back-up mode, we recommend you visit [www.dual-lite.com](http://www.dual-lite.com) for your Central Lighting Inverter options. Please contact your local Hubbell representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

LiteGear: [www.dual-lite.com/products/litegear\\_lg\\_series](http://www.dual-lite.com/products/litegear_lg_series)

LPS Series: [www.dual-lite.com/products/lps](http://www.dual-lite.com/products/lps)

### ENERGY STAR®

The following stock items are ENERGY STAR® certified models. (See [www.energystar.gov](http://www.energystar.gov) for more details.)

| ENERGY STAR® Certified Models                |
|--|
| LTR-6RD-H-SL10L-DM1 + LTR-6RD-T-SL35K8WDSS   |
| LTR-6RD-H-SL10L-DM1 + LTR-6RD-T-SL35K8WDSSWT |
| LTR-6RD-H-SL15L-DM1 + LTR-6RD-T-SL35K8WDSS   |
| LTR-6RD-H-SL15L-DM1 + LTR-6RD-T-SL35K8WDSSWT |
| LTR-6RD-H-ML20L-DM1 + LTR-6RD-T-ML35K8WDSS   |
| LTR-6RD-H-ML20L-DM1 + LTR-6RD-T-ML35K8WDSSWT |
| LTR-6RD-H-ML30L-DM1 + LTR-6RD-T-ML35K8WDSS   |
| LTR-6RD-H-ML30L-DM1 + LTR-6RD-T-ML35K8WDSSWT |
| LTR-6RD-H-HL40L-DM1 + LTR-6RD-T-HL35K8WDSS   |
| LTR-6RD-H-HL40L-DM1 + LTR-6RD-T-HL35K8WDSSWT |
| LTR-6RD-H-VL60L-DM1 + LTR-6RD-T-VL35K8WDSS   |

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Looking east towards Conway Road



Looking north across Chesterfield Parkway



Looking west along Chesterfield Parkway



Looking West





Looking towards property to south



Looking towards property to south



Looking east across Conway Road



Looking north



Looking south



Looking at intersection of Conway Road + Chesterfield Parkway



Looking north at east end of property



Looking east across Conway Road



Looking north across Chesterfield Parkway