IV.A.

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Architectural Review Board Staff Report

Project Type: Amended Site Development Concept Plan

Meeting Date: February 13, 2020

From: Chris Dietz, Planner

Location: Northeast of the intersection of Conway Road and Chesterfield Parkway East.

Description: **Fairfield Suites Amended Site Development Plan:** 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" - *Planned Commercial District* located northwest of the intersection of Conway Road and Chesterfield Parkway East.

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 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 Plan.

STAFF ANALYSIS

General requirements for Site Design:

A. Site Relationships

The site is located in the northwest corner of the Conway Road's intersection with Chesterfield Parkway East with access points from each road. 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.

Figure 1: Aerial of Subject Site

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.

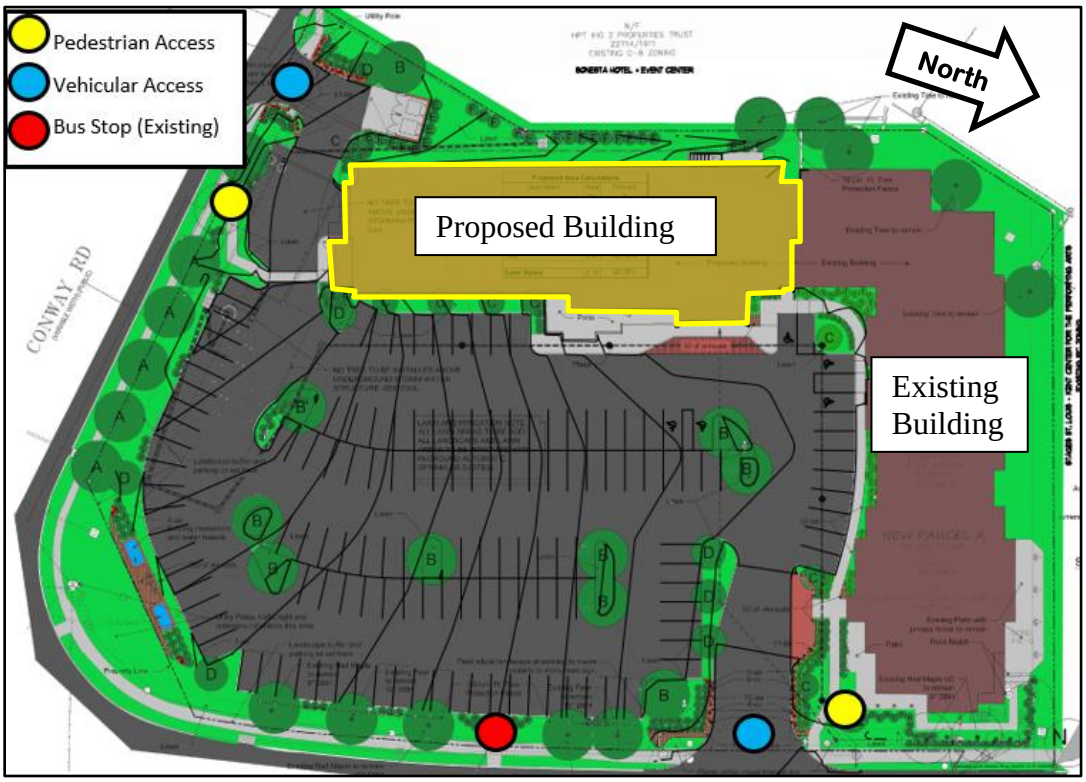


Figure 2: Color Site Plan

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

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

The overall design of the proposed building differs from the existing hotel mainly due to its extra (4th) 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. Specifically, Figures 3a and 3b indicate the changes to the existing building, including amending the portico and canopy, as well as the massing over the main entry to reflect the design and material utilized on the proposed building.

Figure 3a: Existing South Elevation

Figure 3b: Proposed South Elevation

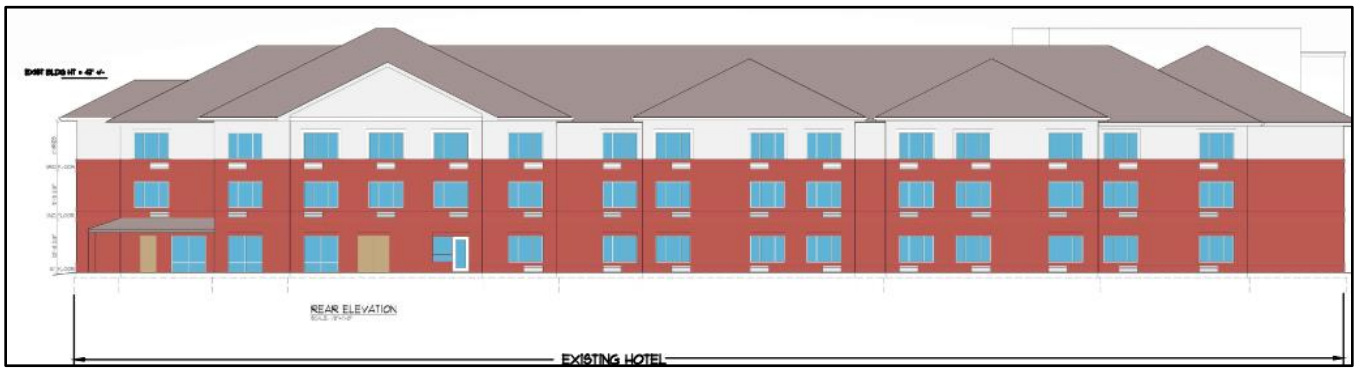


Figure 4: North Elevation

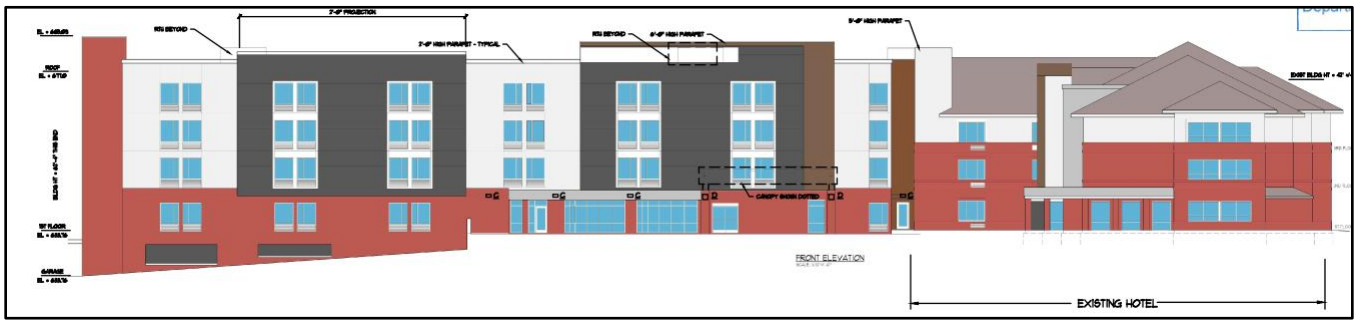


Figure 5: East Elevation

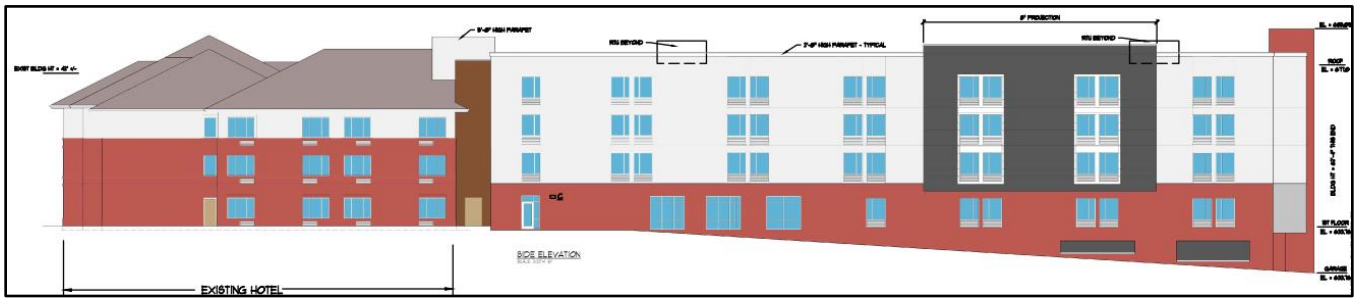


Figure 6: West Elevation

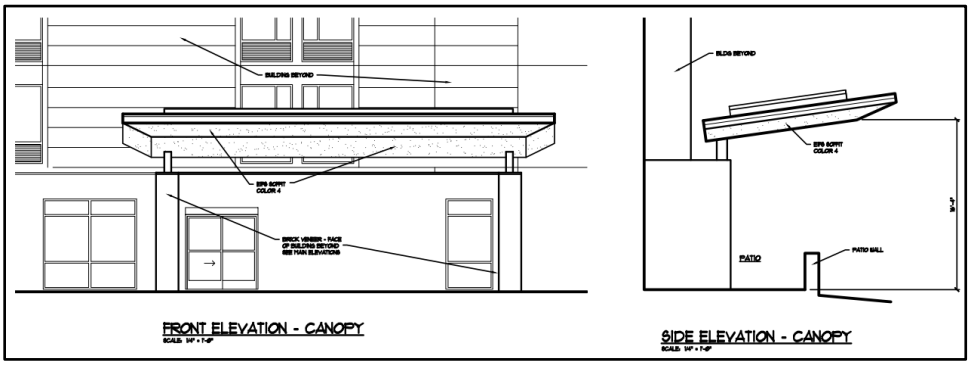


Figure 7: Canopy Elevations

C. Materials and Color

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 warm earth-tone hues to complement the existing brick. The 6'0" trash enclosure will utilize brick material similar to that found on the proposed building.

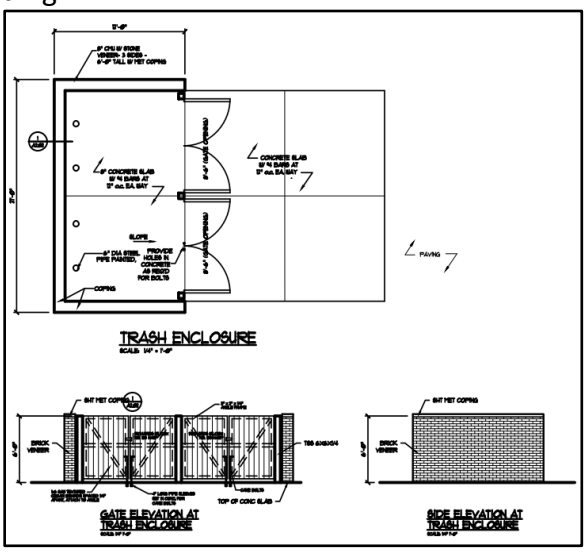


Figure 8: Trash enclosure

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 9 below demonstrates the alternative screening material for RTUs. These screening structures can be customized by several options, as noted in Figure 10.

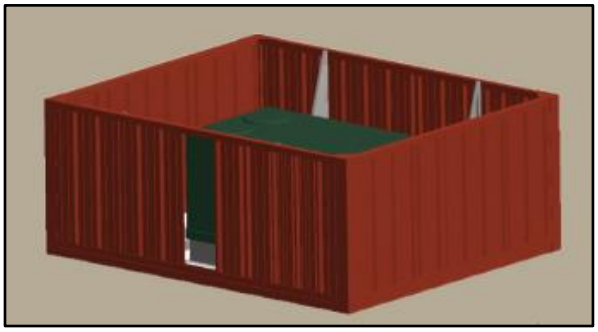


Figure 9: Rooftop Unit Screening Material

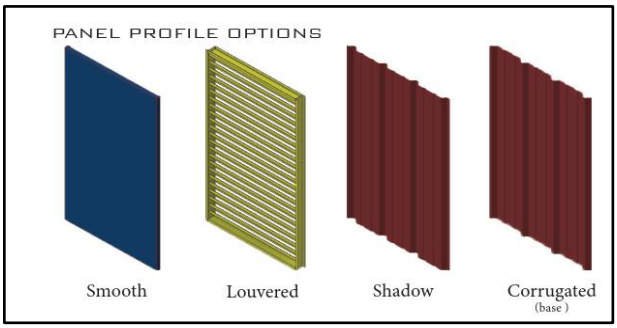


Figure 10: Rooftop Unit Screening Textures

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 11: 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 submittal of the 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

City of Chesterfield

ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

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

Project Title: Fairfileld 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 designed to franchise standards with 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 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 feelings 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. The front 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

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	0.61	21.61%
Total	2.84	100.00%
Open Space	0.76	26.78%

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	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 'Canaertii'	8' Tall	Evergreen Tree	20-30'	Medium	28%

GENERAL NOTES:

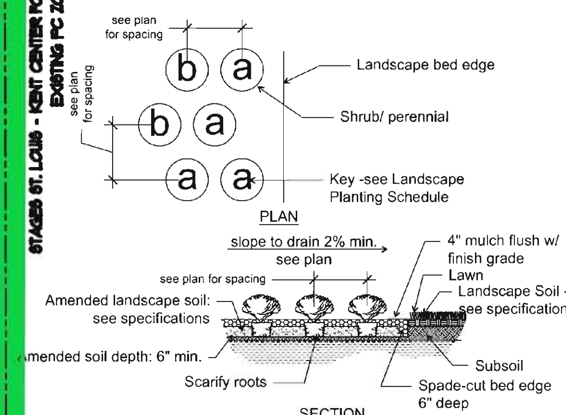
- Plan provided for City of Chesterfield ARB, Planning and Zoning Commission and City Council review and approval.
- Street trees Req.- 726 lf/50 ft = 14.72 or 15 street trees.
- All street trees will be located at least 3' from existing sidewalk.
- All street trees will be located at least 10' from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

Shrub, Ornamental Grasses and Perennial Schedule

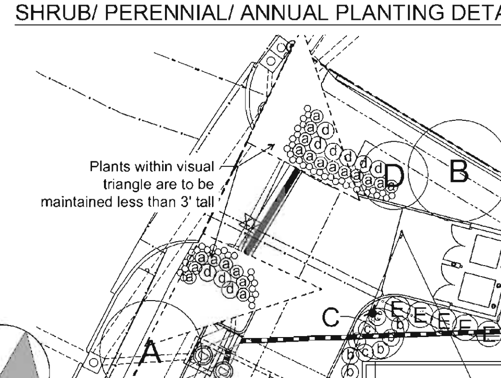
a	74	Boxwood	B. sempervirens 'Green Velvet'	20-22"	Ball & Burlap
b	22	Zinfin Doll Hydrangea	Hydrangea paniculata 'SMNHPRZEP'	5 Gal.	from Monrovia Nursery
c	46	Dwarf Hydrangea	Hydrangea paniculata 'LITTLE LAMP'	5 Gal.	from Monrovia Nursery
d	45	Amethyst	Callicarpa dichotoma 'Early Amethyst'	5 Gal.	
e	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	Variegated Liriope	Liriope muscari 'Variegated'	1 Gal.	24" OC
cc	12	Black Eyed Susan	Rudbeckia fulgida 'Goldstrum'	1 Gal.	24" OC
dd	39	Lily Turf	Liriope speciata	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 -Fescus Sod			
tbd		+/- Sq. Ft. Landscape Rock w/ Weed Fabric			
tbd		+/- Lin. Ft. Metal Edging			

LOCATION MAP

SCALE: NTS. MAP IMAGE SOURCE: GOOGLE

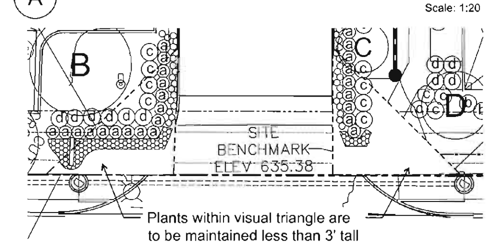


SHRUB/ PERENNIAL/ ANNUAL PLANTING DETAIL



A Site Distance Triangle @ Conway Rd

Scale: 1:20



B Site Distance Triangle @ Chesterfield Parkway

Scale: 1:20

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MICHAEL F. SAPP
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JOB NO. 18016

DATE: DECEMBER 16, 2019

REVISED:

A NEW HOTEL + CONVERSION FOR:

SPRINGHILL SUITES + FAIRFIELD INN

BY MARRIOTT

CHESTERFIELD, MO

SITE LANDSCAPING PLAN

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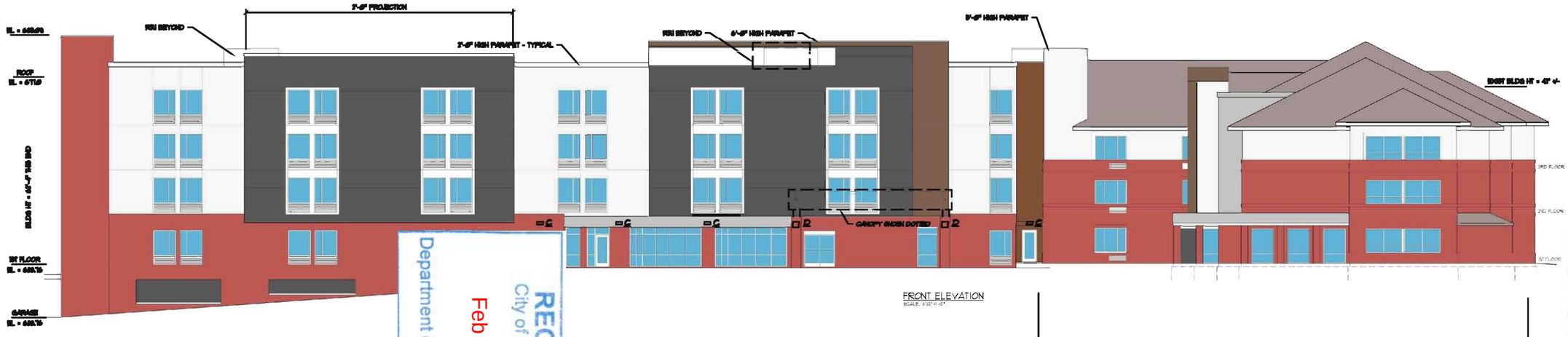
SHEET L0.01 OF XX

FRONT ELEVATION - FAIRFIELD

BRICK
EIFS COLOR 1
EIFS COLOR 2
EIFS COLOR 3
EIFS COLOR 4
EIFS COLOR 5
FIBER CEMENT PANEL
WINDOWS + STOREFRONT
SHINGLE ROOFING
GLASS



FRONT ELEVATION

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A NEW HOTEL FOR:
SPRINGHILL SUITES
CHESTERFIELD, MO
BY MARRIOTT

EXTERIOR BUILDING ELEVATIONS

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OF XX

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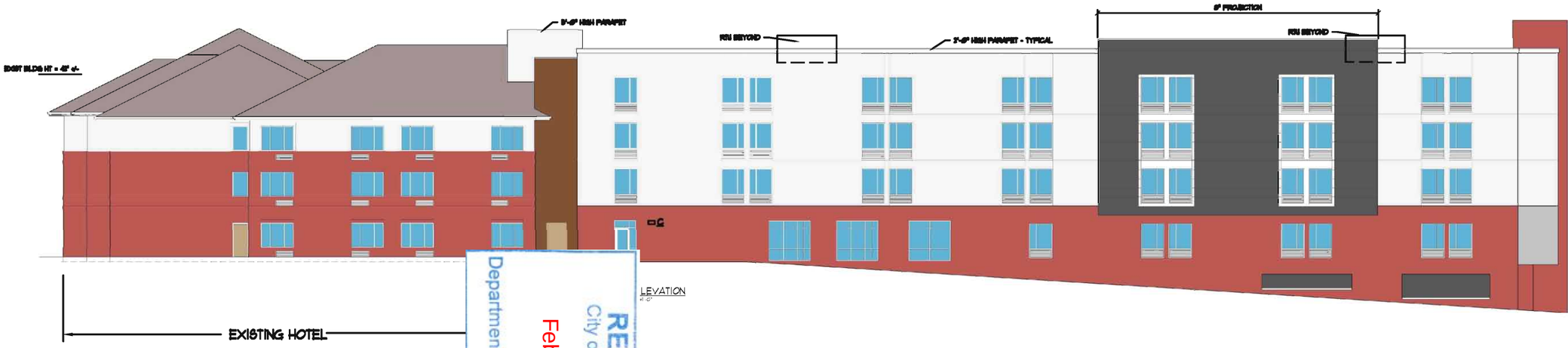
BRICK
EIFS COLOR 1
EIFS COLOR 2
EIFS COLOR 3
EIFS COLOR 4
EIFS COLOR 5
FIBER CEMENT PANEL
WINDOWS + STOREFRONT
SHINGLE ROOFING
GLASS



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EXTERIOR BUILDING ELEVATIONS

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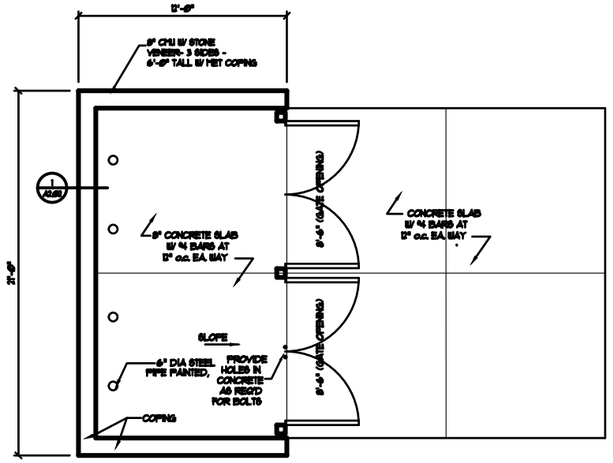
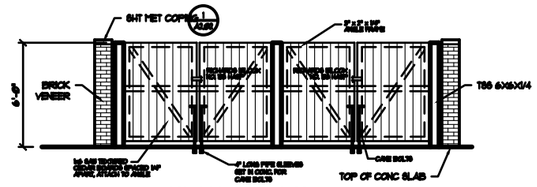


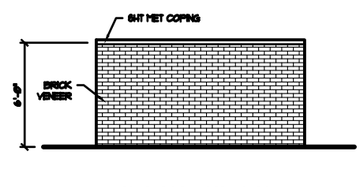
TRASH ENCLOSURE

SCALE: 1/4" = 1'-0"



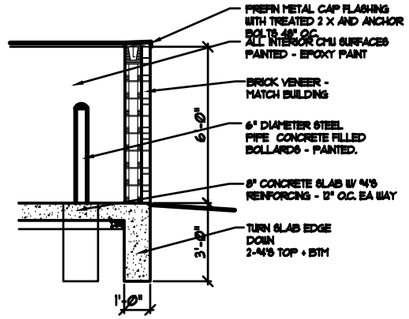
GATE ELEVATION AT TRASH ENCLOSURE

SCALE: 3/8" = 1'-0"



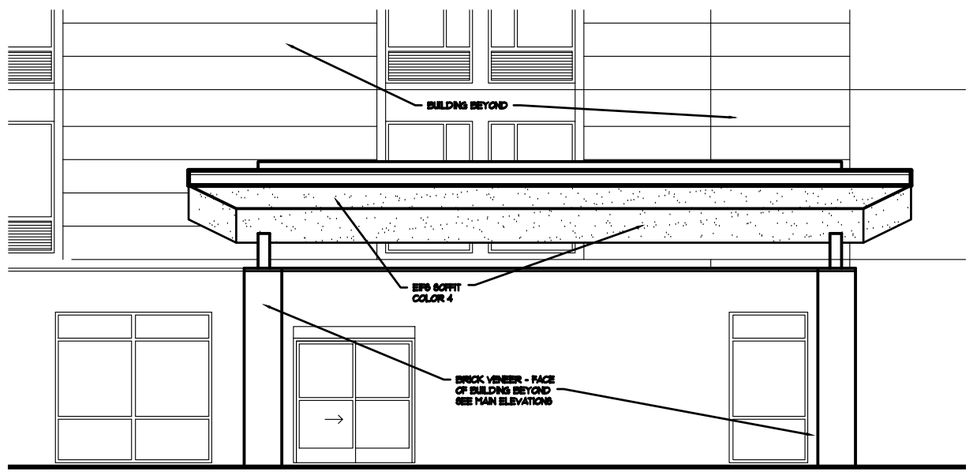
SIDE ELEVATION AT TRASH ENCLOSURE

SCALE: 3/8" = 1'-0"



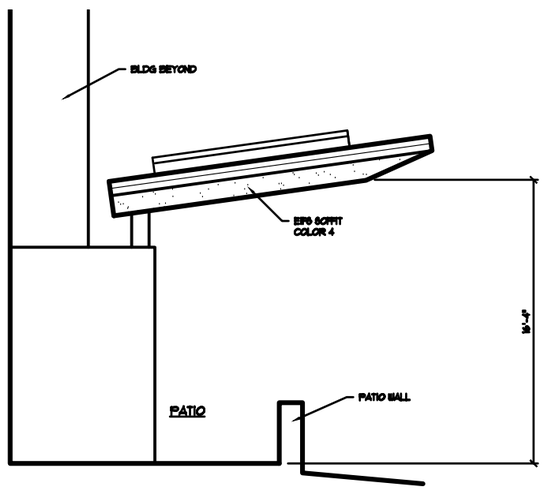
1 A2.01 SECTION THRU TRASH ENCLOSURE

SCALE: 3/8" = 1'-0"



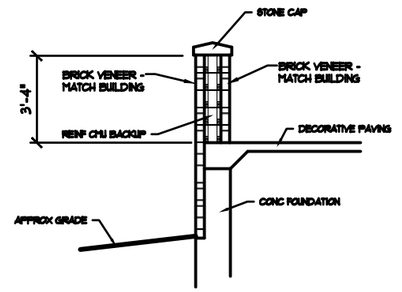
FRONT ELEVATION - CANOPY

SCALE: 1/4" = 1'-0"



SIDE ELEVATION - CANOPY

SCALE: 1/4" = 1'-0"



2 A2.01 SECTION THRU PATIO WALL AT FRONT

SCALE: 3/8" = 1'-0"

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REGISTERED ARCHITECT

Environs
Architects + Planners
17 Junction Drive Suite 264
Glen Carbon, IL 62034
(618) 344-8699
www.environsap.com

JOB NO.
18016

DATE:
DECEMBER 16, 2013
REVISED:
OCTOBER 29, 2013

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

EXTERIOR DETAILS

SHEET
A2.02
OF XX

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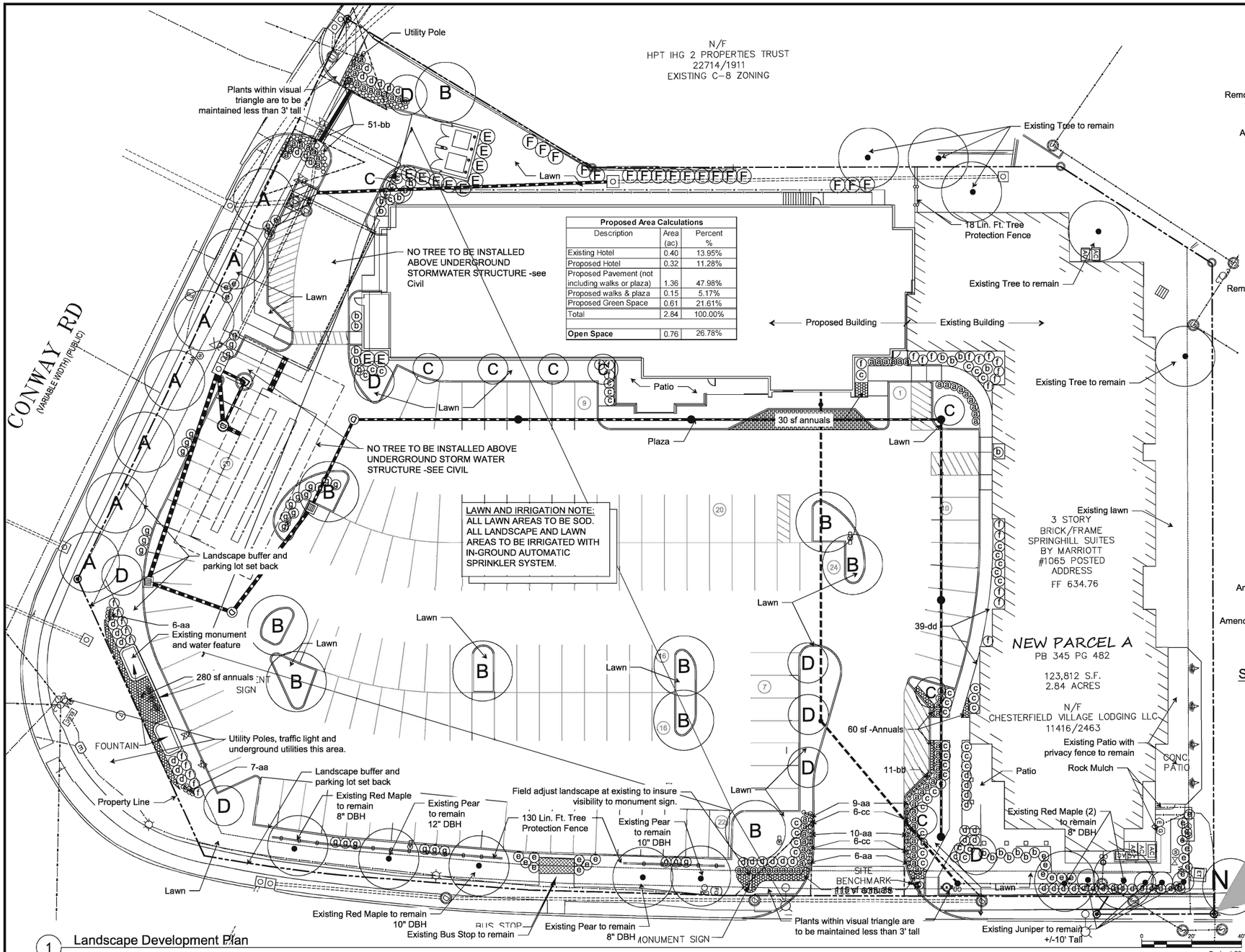


1 Landscape Development Plan

Tree Planting Schedule/ Summary Table

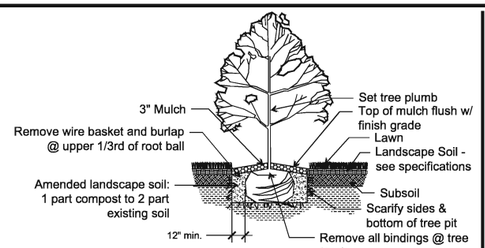
Key	Qty	Common Name	Botanical Name	Size	Type	Mature Height	Growth Rate	%
A	7	Green Vase Zelkova	Zelkova serrata 'Green Vase'	2.5" Cal.	Shade Tree	45' +	Medium/ Fast	11%
B	10	Honeylocust 'Sunburst'	Gleditsia triacanthos var. inermis "Suncole"	2.5" Cal.	Shade Tree	45' +	Fast	16%
C	8	Upright Hornbeam	Carpinus 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 'Canaertii'	8' Tall	Evergreen Tree	20-30'	Medium	28%

GENERAL NOTES:

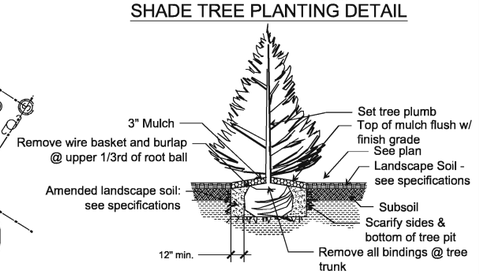
- Plan provided for City of Chesterfield ARB, Planning and Zoning Commission and City Council review and approval.
- Street trees Req.- 726 lf/50 ft = 14.72 or 15 street trees.
- All street trees will be located at least 3' from existing sidewalk.
- All street trees will be located at least 10' from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

Shrub, Ornamental Grasses and Perennial Schedule

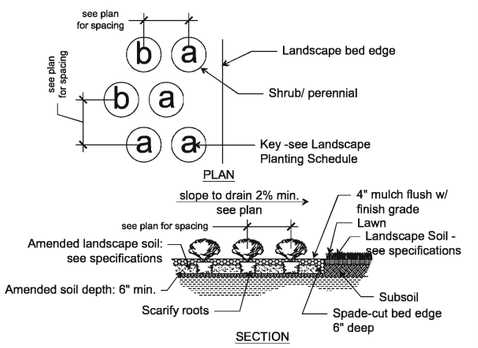
a	74	Boxwood	B. sempervirens 'Green Velvet'	20-22"	Ball & Burlap
b	22	Zinfin Doll Hydrangea	Hydrangea paniculata 'SMNHPRZEP'	5 Gal.	from Monrova Nursery
c	46	Dwarf Hydrangea	Hydrangea paniculata 'LITTLE LAMP'	5 Gal.	from Monrova Nursery
d	45	Amethyst	Callicarpa dichotoma 'Early Amethyst'	5 Gal.	
e	28	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	Variegated Liriope	Liriope muscari 'Variegated'	1 Gal.	24" OC
cc	12	Black Eyed Susan	Rudbeckia fulgida 'Goldstrum'	1 Gal.	24" OC
dd	39	Lily Turf	Liriope speciata	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 -Fescus Sod			
tbd		+/- Sq. Ft. Landscape Rock w/ Weed Fabric			
tbd		+/- Lin. Ft. Metal Edging			



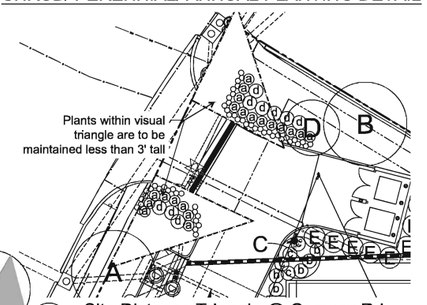
SHADE TREE PLANTING DETAIL



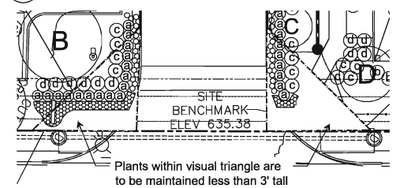
EVERGREEN TREE PLANTING DETAIL



SHRUB/ PERENNIAL/ ANNUAL PLANTING DETAIL



A Site Distance Triangle @ Conway Rd
Scale: 1:20



B Site Distance Triangle @ Chesterfield Parkway
Scale: 1:20

STATE OF MISSOURI
DOUGLAS A DELONG
NUMBER LA-81
12/30/2019
LANDSCAPE ARCHITECT

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
1065 East Chesterfield Parkway
Chesterfield, MO 63017

CHESTERFIELD VILLAGE LODGING, LLC
1850 Craigshire, Suite 103
St. Louis, MO 63146

Revisions:

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

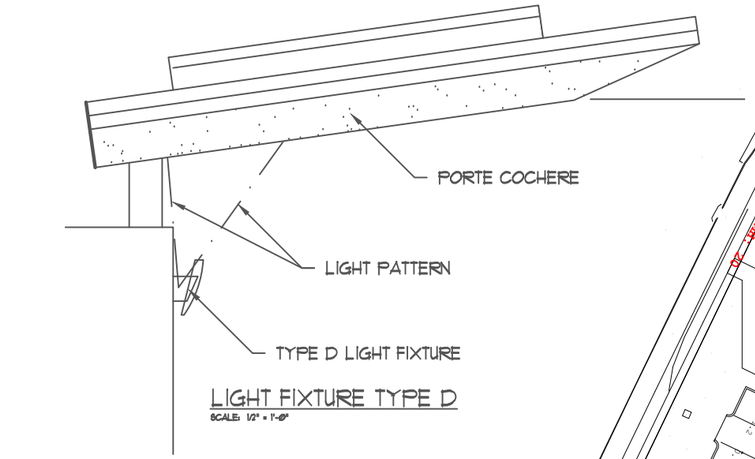
Drawn: EMD
Checked: DAD

DeLong Landscape Architecture, LLC
7620 West Bruno Ave
St. Louis, MO. 63117
(314) 346-4856
delong.la@gmail.com
Missouri State Certificate of Authority: #2013000145

Sheet Title: Landscape Development Plan

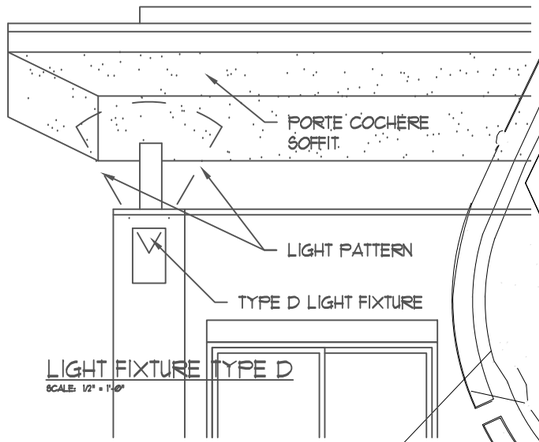
Sheet No: LDP

Date: 7/12/2019
Job #:



LIGHT FIXTURE TYPE D

SCALE: 1/2" = 1'-0"



LIGHT FIXTURE TYPE D

SCALE: 1/2" = 1'-0"

SITE LIGHTING PHOTOMETRIC PLAN

SCALE: 1"=20'-0"

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

Calculation Summary							
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

Luminaire Schedule						
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

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

STATE OF MISSOURI
MICHAEL F. SAPP
NUMBER A-4867
REGISTERED ARCHITECT

Environs Architects - Planners
17 Junction Drive Suite 264 Glen Carbon, IL 62034
(618) 344-8699 www.environsap.com

JOB NO. 18016

DATE: DECEMBER 16, 2019
REVISED:

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

SITE LIGHTING / PHOTOMETRIC PLAN

SHEET SL-1 OF XX

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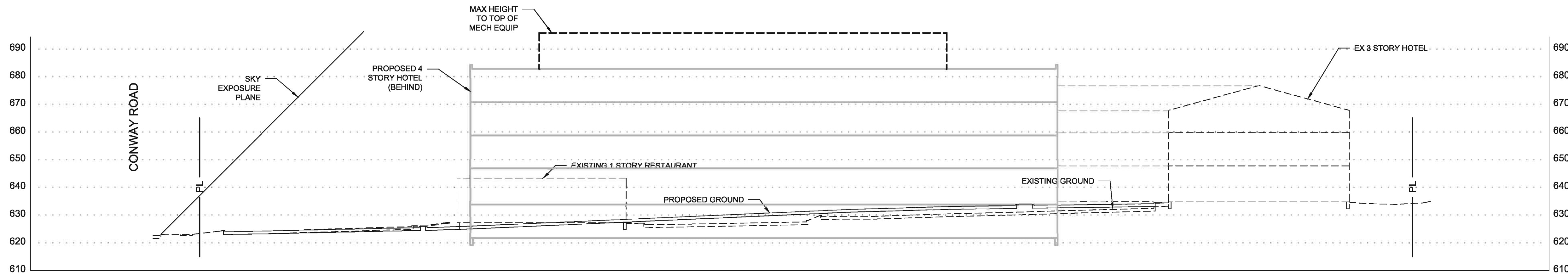
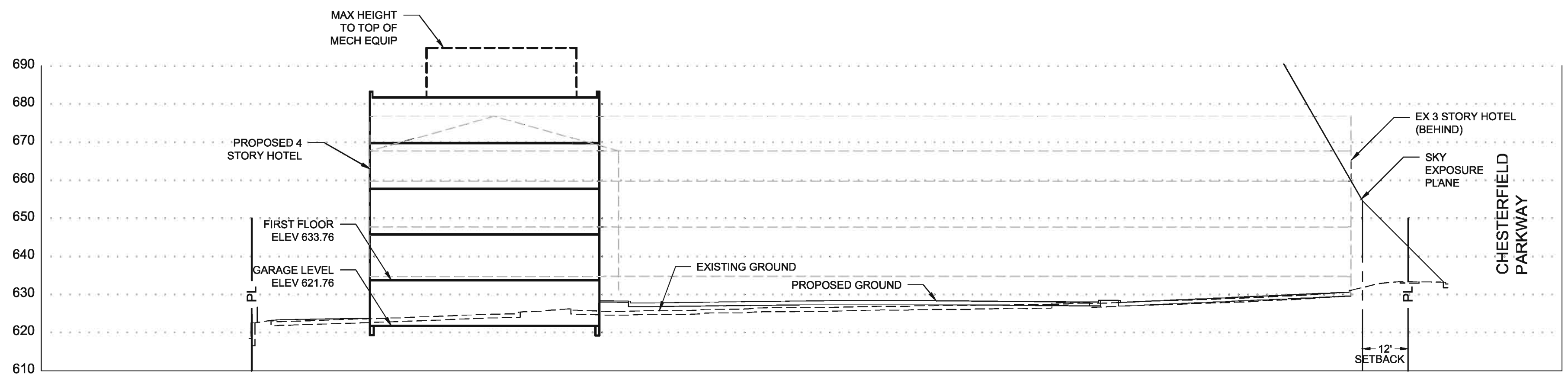
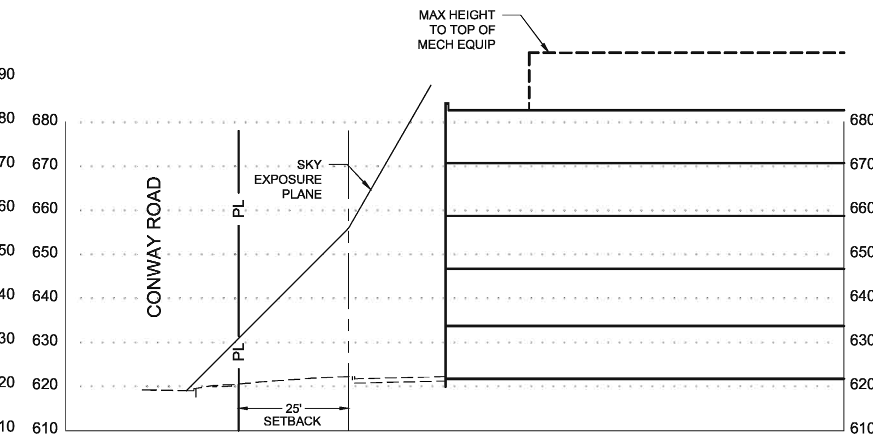


SECTION A-A
(NORTH - SOUTH)



SECTION B-B
(EAST - WEST)



SECTION C-C
SKY EXPOSURE PLANE

P.Z. 12-2018 Fairfield Suites (Chesterfield Village Lodging)
Planning Commission 04-22-2019
Planning & Public Works Committee 05-09-2019
City Council 06-03-2019

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

1. The uses allowed in this Planned Commercial District shall be:
   a. Hotel and Motel
   b. Restaurant, sit-down
2. Hours of Operation.
   a. Hours of operation for this "PC" District shall not be restricted.
3. 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
   a. 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.
   b. 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. A minimum of 26% open space is required for this development.
   b. 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:
   a. 25 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
   b. 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
   c. 10 feet from the northern boundary of the "PC" District.
   d. 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:
   a. 10 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
   b. 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
   c. 5 feet from the western boundary of the "PC" District.
   d. Parking shall not be permitted along the northern boundary of the "PC" District.

D. PARKING AND LOADING REQUIREMENTS

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

3. 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.
4. 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

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

F. SIGN REQUIREMENTS

1. 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.
2. 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

1. The development shall adhere to the Architectural Review Standards of the City of Chesterfield Code.
2. 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

1. 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.
2. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. Improve Chesterfield Parkway East right-of-way, as directed by the Saint Louis County Department of Transportation.
6. 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.

PRELIMINARY - NOT FOR CONSTRUCTION

The Professional Engineer's seal and signature apply only to the document to which they are affixed. 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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SEAL: STATE OF MISSOURI — TODD B. SCHEIBE — NUMBER E-24757

G&W ENGINEERING

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.

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

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

Springhill Suites / Fairfield Suites

1065 East Chesterfield Parkway
St Louis, MO 63017

LOCATION MAP

SCALE: NTS, MAP IMAGE SOURCE: GOOGLE

LEGEND

PROPOSED

BOLLARD	MATCH LINE
ACCESSIBLE PARKING	CENTER LINE
FIRE HYDRANT	R/W RIGHT-OF-WAY
2-GRATE INLET	PL PROPERTY LINE
2-GRATE INLET W/SIDE INTAKE	SS SANITARY SEWER
AREA INLET / CURB INLET	SD STORM SEWER
CLEAN OUT	RD ROOF DRAIN
GRATE INLET - ROUND	UD UNDERDRAIN
MANHOLE - STORM (48")	E UNDERGROUND ELECTRIC
MANHOLE - SANITARY (48")	G NATURAL GAS
VALVE	C COMMUNICATIONS LINE
x 503.43 SPOT ELEVATION	W WATER LINE
POST INDICATOR VALVE	F FIRE SERVICE
SIGN (HC PARKING, ETC.)	X FENCE
LIGHT STANDARD	SF SILT CONTROL / SILT FENCE OR WATTLE
E ELECTRIC TRANSFORMER	MAJOR CONTOUR
SG ELECTRIC SWITCH GEAR	502 MINOR CONTOUR
STRUCTURE TYPE / STRUCTURE NUMBER (MH / A1) SANITARY SEWER STRUCTURE DESIGNATOR	CONCRETE PAVEMENT
	ASPHALT PAVEMENT
STRUCTURE TYPE / STRUCTURE NUMBER (GI / 1) STORM SEWER STRUCTURE DESIGNATOR	BIORETENTION BASIN

AREA CALCULATIONS

Existing Area Calculations		
Description	Area (ac)	Percent %
Existing Hotel	0.40	13.95%
Existing Restaurant	0.12	4.20%
Existing Pavement (not including walks or plazas)	1.66	58.41%
Existing walks & plaza	0.13	4.55%
Existing Pervious Area	0.54	18.89%
Total	2.84	100.00%
Existing Open Space	0.67	23.43%

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 Pervious Area	0.61	21.61%
Total	2.84	100.00%
Open Space	0.76	26.78%

The Professional Engineer's seal and signature apply only to the document to which they are affixed. 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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FLOOR AREA RATIO (F.A.R.) CALCULATIONS

DESCRIPTION	AREA (SF)	
SITE	123,812	
EXISTING HOTEL	51,810	(17,270 sf FLOOR PLATE X 3 FLOORS = 51,810 SF)
PROPOSED HOTEL	54,780	(13,695 sf FLOOR PLATE X 4 FLOORS = 54,780 SF ~ LOWER LEVEL GARAGE NOT INCLUDED)
TOTAL	106,590	

F.A.R. = 106,590 / 123,812 = 0.86

PARKING CALCULATIONS

REQUIRED PARKING: 1.2 P.S. x (NUMBER OF UNITS)
REQUIRED PARKING: 1.2 P.S. x (180 ROOMS) = 216 SPACES
MAXIMUM PARKING: 120% x (REQUIRED PARKING) = 260 SPACES
REQUESTING: 180 SPACES (1 SPACE/ROOM) (16.6% REDUCTION)

REQUIRED LOADING SPACES: 2 - 10' x 25' SPACES & 1 - 10' x 40' SPACE
REQUESTING: 1 - 10' x 25' SPACES & 1 - 10' X 40' SPACE

SHEET INDEX

GENERAL NOTES:

1. ALL PROPOSED UTILITIES WILL BE INSTALLED UNDERGROUND.
2. ALL PROPOSED SIGNAGE MUST BE APPROVED BY THE CITY OF CHESTERFIELD.
3. NO CONSTRUCTION RELATED PARKING SHALL BE PERMITTED WITHIN RIGHT OF WAY OR ON ANY EXISTING ROADWAYS. ALL CONSTRUCTION PARKING SHALL BE CONFINED TO THE DEVELOPMENT.

GENERAL INFORMATION

PROPERTY ADDRESSES:	PARCEL ID #:	MUNICIPALITY:	ZONING DISTRICT:
1065 EAST CHESTERFIELD PARKWAY	18S331381	CHESTERFIELD	PC

SUBDIVISION;
HERMAN STEMME OFFICE PARK LOT 3 LOTS 3B

TOTAL AREA:
2.84 ACRES

WATERSHED:
CREVE COEUR CREEK

FIRM MAP:
29189C0170K (PROJECT SITE LIES WITHIN UNSHADED ZONE 'X' - AREA OF MINIMAL FLOOD HAZARD)

OWNER NAME:
CHESTERFIELD VILLAGE LOOGING, LLC
1850 CRAIGSHIRE ROAD
ST LOUIS, MO 63146
314-434-4004

SCHOOL DISTRICT:
PARKWAY

FIRE DISTRICT:
MONARCH FIRE PROTECTION DISTRICT

UTILITIES :
MISSOURI AMERICAN WATER
SPIRE ENERGY
AT&T
AMEREN MISSOURI
METROPOLITAN ST. LOUIS SEWER DISTRICT

PLAN SUBMITTER:
ANDY SUTTON
G&W ENGINEERING
138 WELDON PARKWAY
MARYLAND HEIGHTS, MO 63043
314.238.6371
ASUTTON@GANDWENGINEERING.COM

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SURVEY INFORMATION

LEGAL DESCRIPTION

A TRACT OF LAND SITUATED IN FRACTIONAL SECTION 10, TOWNSHIP 45 NORTH, RANGE 4 EAST, ST. LOUIS COUNTY, MISSOURI, AND 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 3 OF HERMAN STEMME OFFICE PARK. PLAT BOOK 345, PG 482. BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH RIGHT OF WAY LINE OF CONWAY ROAD, A VARIABLE WIDTH PUBLIC RIGHT OF WAY AND BEING ALSO THE SOUTHWESTERN CORNER OF NEW PARCEL A, A PARCEL OF A RESUBDIVISION OF ADJUSTED LOT 3C OF A BOUNDARY ADJUSTMENT PLAT OF LOTS 3B AND 3C OF THE SUBDIVISION OF LOT 3 OF HERMAN STEMME OFFICE PARK ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 345 PAGE 482 OF THE ST. LOUIS COUNTY RECORDS; THENCE LEAVING SAID NORTH RIGHT OF WAY LINE OF CONWAY ROAD NORTH 00 DEGREES 40 MINUTES 37 SECONDS WEST ON A BEARING SYSTEM ADOPTED FROM THE MISSOURI STATE PLANE COORDINATE SYSTEM, NAD 1983, EAST ZONE, 114.47 FEET TO A POINT; THENCE NORTH 32 DEGREES 05 MINUTES 35 SECONDS WEST, 167.43 FEET; THENCE NORTH 00 DEGREES 38 MINUTES 23 SECONDS EAST, 72.00 FEET; THENCE NORTH 57 DEGREES 53 MINUTES 14 SECONDS EAST, 259.73 FEET TO A POINT, SAID POINT BEING ON THE SOUTHWESTERN RIGHT OF WAY LINE OF CHESTERFIELD PARKWAY EAST, A VARIABLE WIDTH PUBLIC RIGHT OF WAY; THENCE ALONG SAID SOUTHWESTERN RIGHT OF WAY LINE THE FOLLOWING COURSES AND DISTANCES, SOUTH 32 DEGREES 06 MINUTES 46 SECONDS EAST, 46.86 FEET TO A POINT; THENCE NORTH 89 DEGREES 22 MINUTES 13 SECONDS WEST, 8.43 FEET TO A POINT; THENCE SOUTH 31 DEGREES 48 MINUTES 12 SECONDS EAST, 153.68 FEET TO A POINT, THENCE SOUTH 30 DEGREES 21 MINUTES 18 SECONDS EAST, 78.57 FEET TO A POINT; THENCE SOUTH 27 DEGREES 25 MINUTES 16 SECONDS EAST, 76.89 FEET TO A POINT; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 718.94 FEET, AN ARC LENGTH OF 53.37 FEET, A CHORD BEARING OF SOUTH 23 DEGREES 44 MINUTES 17 SECONDS EAST AND A CHORD DISTANCE OF 53.36 FEET; THENCE LEAVING SAID SOUTHWESTERN RIGHT OF WAY LINE OF CHESTERFIELD PARKWAY EAST SOUTH 33 DEGREES 26 MINUTES 08 SECONDS WEST, 121.57 FEET TO A POINT, SAID POINT BEING 0N THE AFORESAID NORTH RIGHT OF WAY LINE OF CONWAY ROAD; THENCE ALONG THE SAID NORTH RIGHT OF WAY LINE OF CONWAY ROAD SOUTH 63 DEGREES 48 MINUTES 50 SECONDS WEST, 246.35 FEET TO A POINT, RETURNING TO THE POINT OF BEGINNING AND CONTAINING 123,812 SQ. FT. (2.84 ACRES) MORE OR LESS.

END OF DESCRIPTION

Chesterfield Village Lodging, LLC, the owner of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 03.xxxxxxx, PC of City of Chesterfield Unified Development Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

(Signature): ____________________

(Name Typed): ____________________

STATE OF MISSOURI)
) SS.
COUNTY OF ST. LOUIS)
On this ______ day of ____________________, 20 ___, before me appeared ____________________ to me personally known, who, being by me duly sworn, did say that ____________________ is/are the member/manager of Chesterfield Village Lodging, LLC, a Limited Liability Company of the State of Missouri, and the said instrument was signed in behalf of said Limited Liability Company by authority of its Articles of Organization and/or its Operating Agreement; and said ____________ acknowledged said instrument to be the free act and deed of said Limited Liability Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid the day and year first above written.

My term expires: __________

____
Notary Public

GEOTECHNICAL ENGINEER'S STATEMENT:

GEOTECHNOLOGY, INC AND THE UNDERSIGNED ENGINEER HAVE NOT PREPARED THE PLAN ON THIS SHEET. THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER HAS BEEN AFFIXED AT THE REQUEST OF THE CITY OF CHESTERFIELD AND IS A PROFESSIONAL OPINION TO INDICATE THAT THE UNDERSIGNED HAS REVIEWED THE PLANS AND THAT IN HIS OPINION THE GRADING AND IMPROVEMENTS RELATIVE TO THE SLOPE CONSTRUCTION AS SHOWN ON THE PLANS ARE COMPATIBLE WITH THE SOIL AND GEOLOGIC CONDITIONS AT THE SITE AS DESCRIBED IN THE SUBSURFACE EXPLORATION REPORT FOR THE DEVELOPMENT DATED OCTOBER 18, 2019.

GEOTECHNOLOGY, INC AND THE UNDERSIGNED ASSUME NO RESPONSIBILITY FOR SERVICES BY OTHERS (PURSUANT TO RSMO 327.411).

CONSTRUCTION MEANS AND METHODS FOR IMPLEMENTATION OF THE GRADING PLAN SHALL BE LEFT TO THE DEVELOPER/CONTRACTOR. OBSERVATIONS OF THE DEVELOPER/CONTRACTOR'S COMPLIANCE WITH THE APPLICABLE SPECIFICATIONS SHALL BE IDENTIFIED AND VERIFIED IN WRITING. GEOTECHNOLOGY, INC MUST BE INVOLVED DURING THE CONSTRUCTION PHASE TO DETERMINE THAT SUBSURFACE CONDITIONS ARE AS ANTICIPATED AND THAT THE RECOMMENDATIONS RELATIVE TO CONSTRUCTION ARE IMPLEMENTED.

STATE OF MISSOURI — DENNIS FREDERICK BOLL — NUMBER E-22700 — REGISTERED PROFESSIONAL ENGINEER — 10/24/19

GEOTECHNOLOGY, INC.
DENNIS F. BOLL, P.E.
E-22700
DATE: 11/4/19

This Site Development Plan was approved by the City of Chesterfield Planning Commission and duly verified on the _____ day of ____________, 20___, by the Chairperson of said Commission, authorizing the recording of this Site Development Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and Development Services and the City Clerk.

____
Justin Wyse, AICP
Director of Planning and Development Services
City of Chesterfield, Missouri

____
Vickie Hass, City Clerk
City of Chesterfield, Missouri

PRELIMINARY - NOT FOR CONSTRUCTION

SEAL: STATE OF MISSOURI — TODD B. SCHEIBE — NUMBER E-24757 — REGISTERED PROFESSIONAL ENGINEER

G&W ENGINEERING
138 WELDON PARKWAY ST. LOUIS, MO 63043
(314) 469-3737 PROJECT NUMBER CV18-0409.00
WWW.GANDWENGINEERING.COM
MISSOURI STATE CERTIFICATE OF AUTHORITY # 2002026367

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

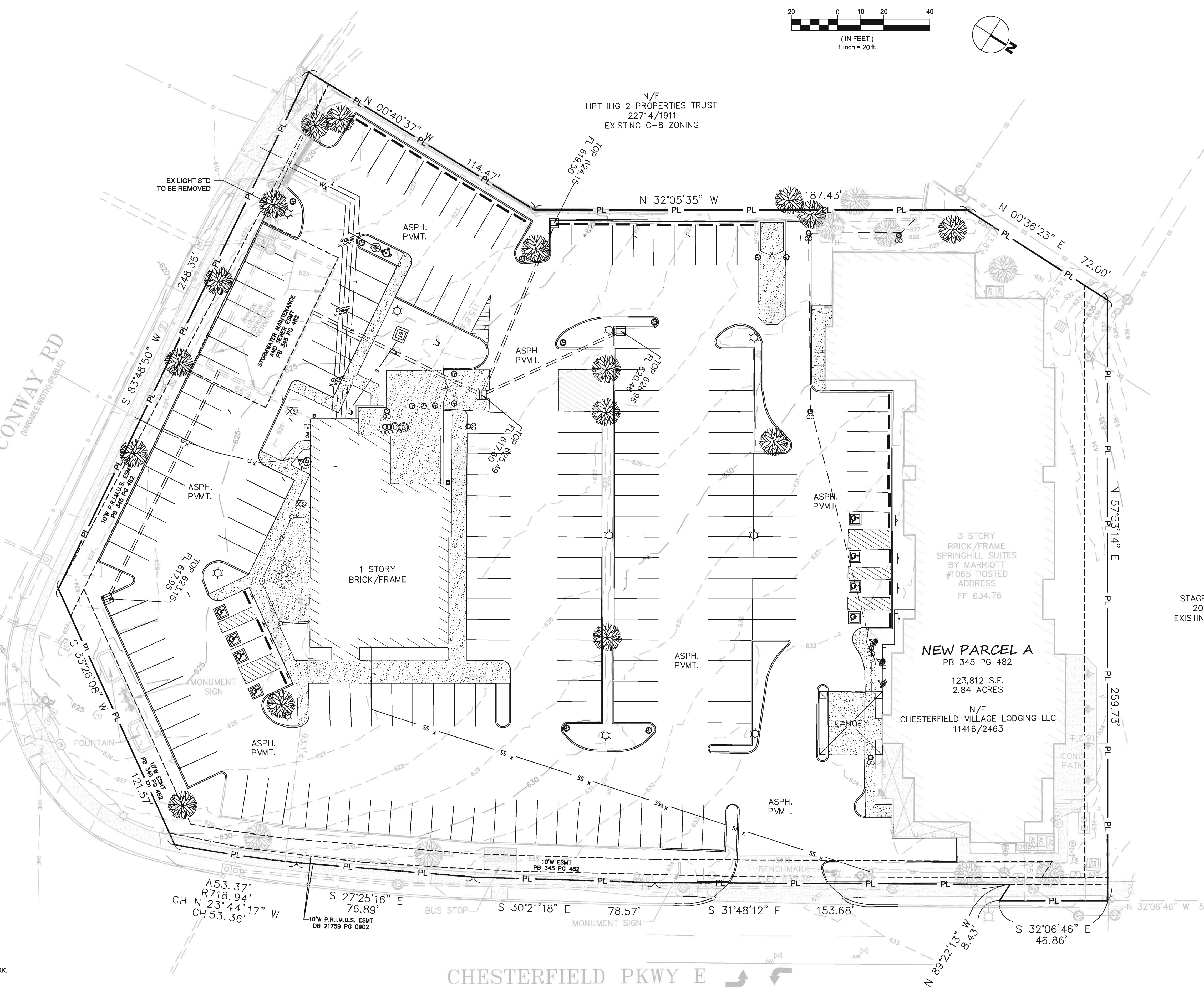
AMENDED SITE DEVELOPMENT PLAN
SPRINGHILL SUITES / FAIRFIELD SUITES
1065 East Chesterfield Parkway
Chesterfield, Missouri 63017

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.

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.
COVER SHEET
C000



NOTE:
EXISTING ELEMENTS TO REMAIN ARE SHOWN GRAY.

EXISTING ELEMENTS TO BE REMOVED ARE SHOWN DARK.

PRELIMINARY - NOT FOR CONSTRUCTION

The Professional Engineer's seal and signature apply only to the document to which they are affixed. 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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SEAL
STATE OF MISSOURI
TODD B. SCHEIBE
NUMBER E-24757
PROFESSIONAL ENGINEER

G&W ENGINEERING
138 Weldon Parkway St. Louis, MO 63043
(314) 469-3737 Project Number CV18-0409.00
www.GandWengineering.com
Missouri State Certificate of Authority # 2002018767

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DRAWN BY:	GAS
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DATE:	10/28/2019
SHEET NO.	EXISTING SITE PLAN

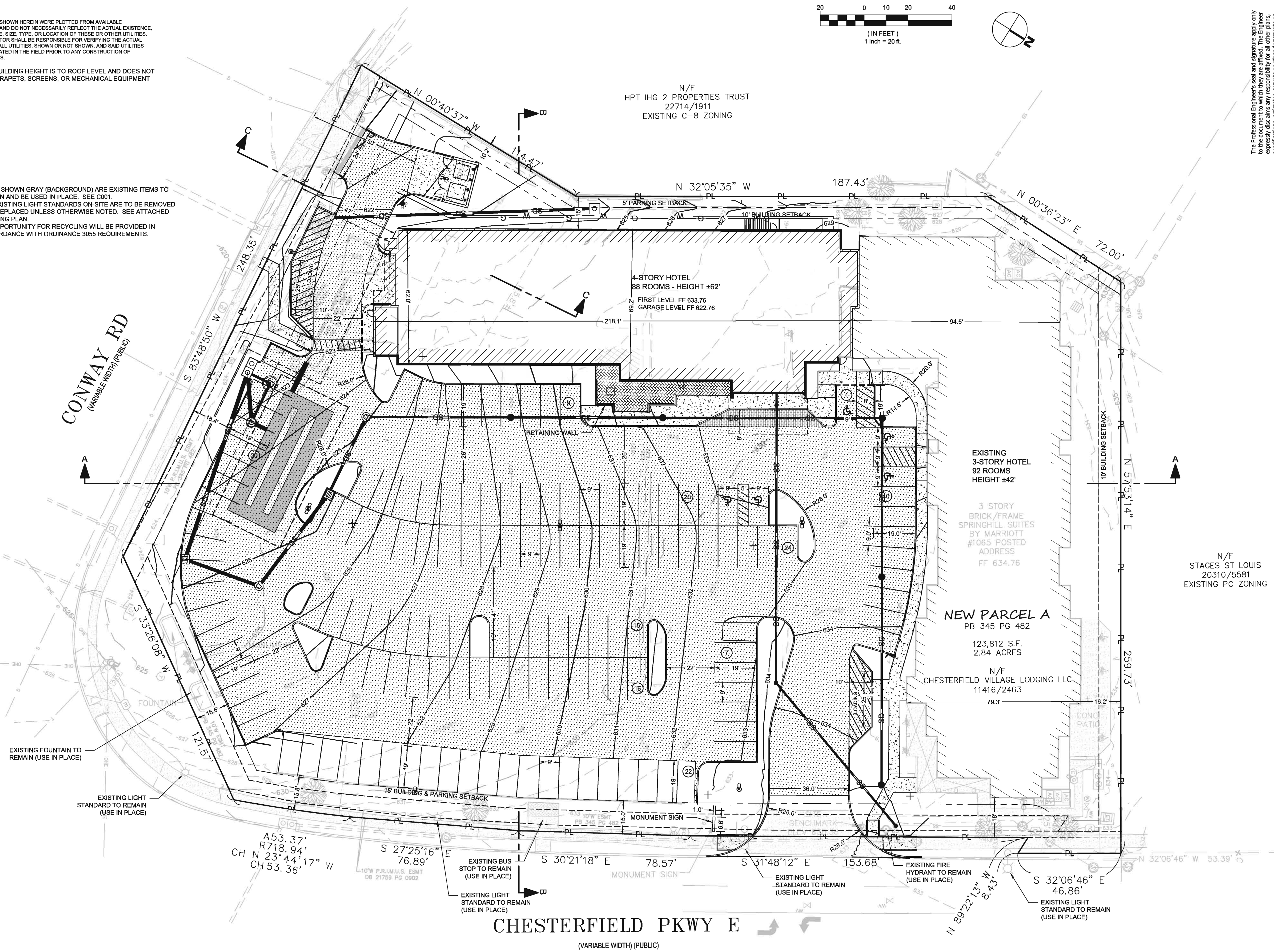
C001

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:

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



PRELIMINARY - NOT FOR CONSTRUCTION

AMENDED SITE DEVELOPMENT PLAN

SPRINGHILL SUITES / FAIRFIELD SUITES

1065 East Chesterfield Parkway
Chesterfield, Missouri 63017

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

G&W ENGINEERING
138 WELDON PARKWAY ST. LOUIS, MO 63043
(314) 469-3737 PROJECT NUMBER CV18-0409.00
WWW.GANDWENGINEERING.COM
MISSOURI STATE CERTIFICATE OF AUTHORITY # 2002018767

SEAL: STATE OF MISSOURI — TODD B. SCHEIBE — NUMBER E-24757 — REGISTERED PROFESSIONAL ENGINEER

The Professional Engineer's seal and signature apply only to the document to which they are affixed. 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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ISSUE DATE	DESCRIPTION
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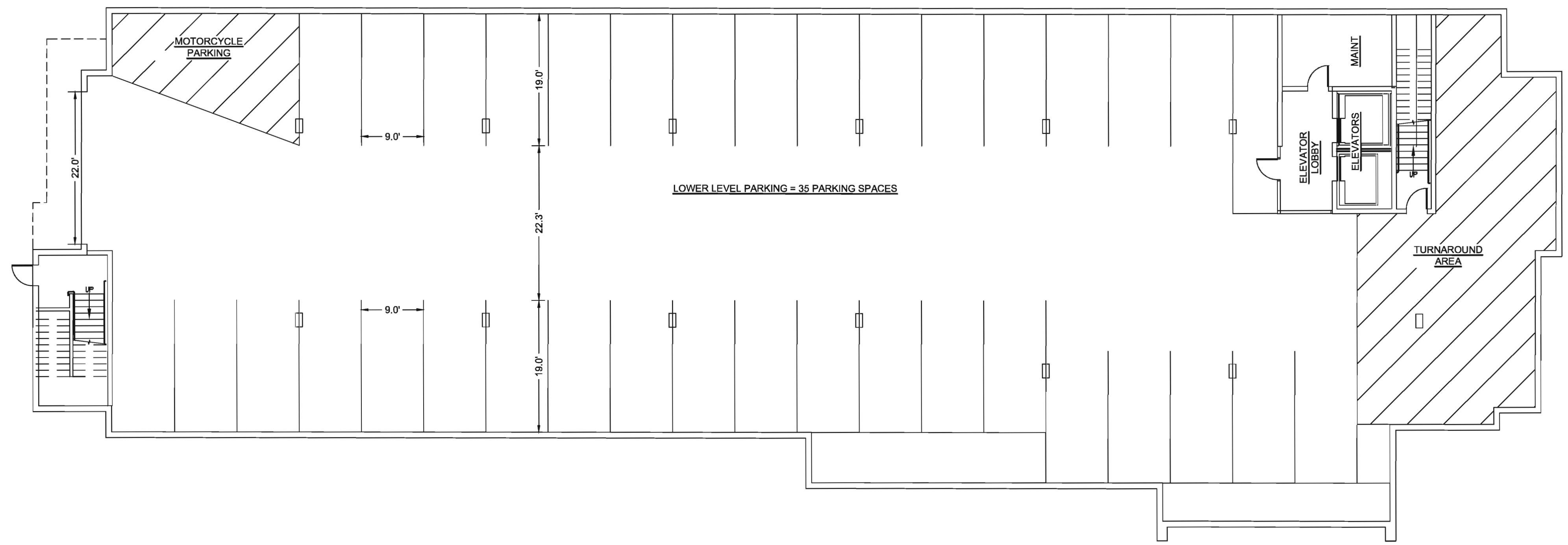
JOB NO:	CV18-0409.00
DRAWN BY:	GAS
CHECKED BY:	TBS
DATE:	10/28/2019
SHEET NO.	SITE DEVELOPMENT PLAN

C002



LOWER LEVEL PARKING

SCALE: 1" = 10'

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SEAL

TODD B. SCHEIBE NUMBER E-24757

G&W ENGINEERING
138 Weldon Parkway St. Louis, MO 63043
(314) 46?-3737 Project Number CV18-0409.00
www.GandWengineering.com
Missouri State Certificate of Authority # 2002018767

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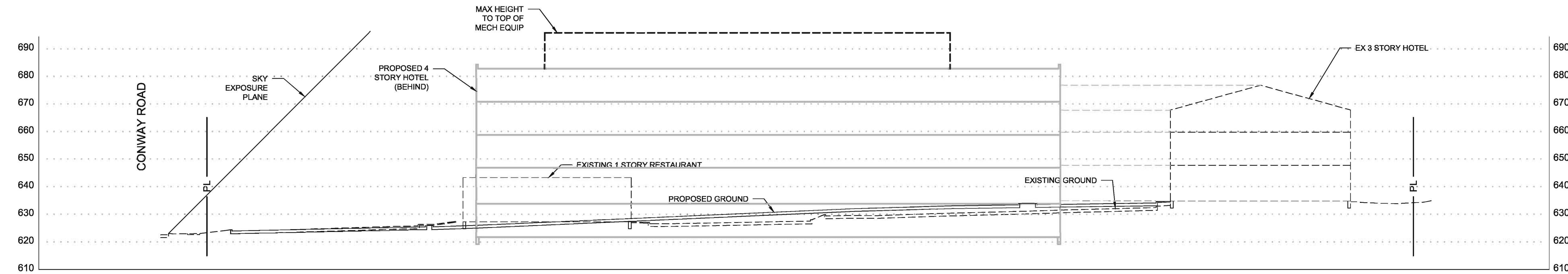
CHECKED BY:	TBS
DATE:	10/28/2019

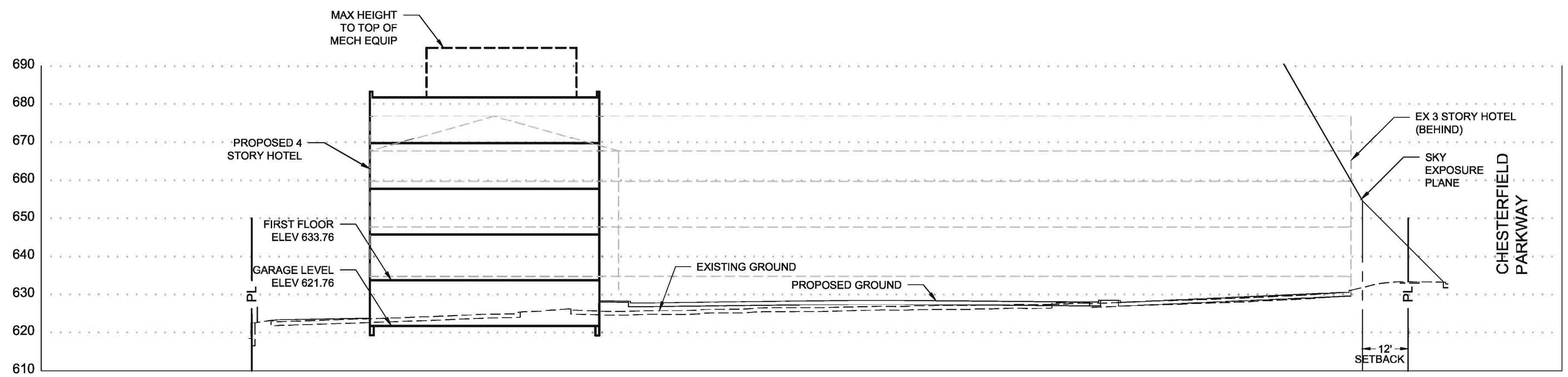
SHEET NO.
LOWER LEVEL PARKING PLAN

C002A

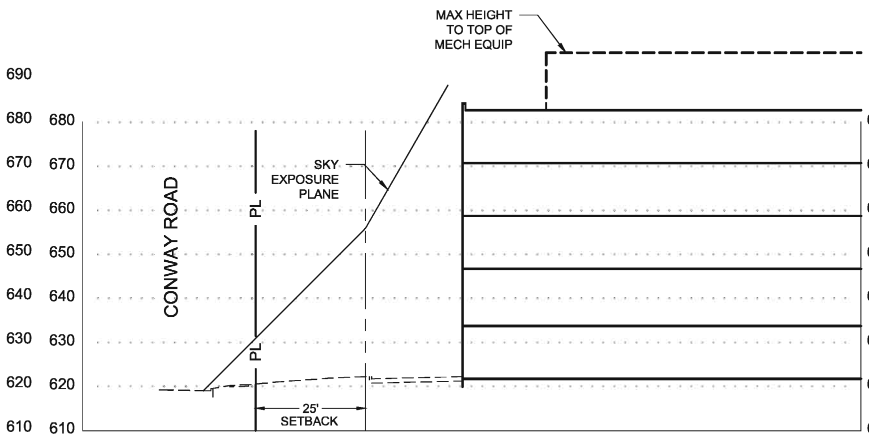
PRELIMINARY - NOT FOR CONSTRUCTION



SECTION A-A
(NORTH - SOUTH)



SECTION B-B
(EAST - WEST)



SECTION C-C
SKY EXPOSURE PLANE

P.Z. 12-2018 Fairfield Suites (Chesterfield Village Lodging)
Planning Commission 04-22-2019
Planning & Public Works Committee 05-09-2019
City Council 06-03-2019

Page 1 of 11

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

1. The uses allowed in this Planned Commercial District shall be:
   a. Hotel and Motel
   b. Restaurant, sit-down
2. Hours of Operation.
   a. Hours of operation for this "PC" District shall not be restricted.
3. 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
   a. 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.
   b. 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.

Page 2 of 11

3. Building Requirements
   a. A minimum of 26% open space is required for this development.
   b. 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:
   a. 25 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
   b. 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
   c. 10 feet from the northern boundary of the "PC" District.
   d. 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:
   a. 10 feet from the right-of-way of Conway on the southern boundary of the Planned Commercial "PC" District.
   b. 15 feet from the right-of-way of Chesterfield Parkway East on the eastern boundary of the "PC" District.
   c. 5 feet from the western boundary of the "PC" District.
   d. Parking shall not be permitted along the northern boundary of the "PC" District.

D. PARKING AND LOADING REQUIREMENTS

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

Page 3 of 11

3. 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.
4. 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

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

F. SIGN REQUIREMENTS

1. 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.
2. 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

1. The development shall adhere to the Architectural Review Standards of the City of Chesterfield Code.
2. 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.

Page 4 of 11

I. ACCESS/ACCESS MANAGEMENT

1. 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.
2. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. Improve Chesterfield Parkway East right-of-way, as directed by the Saint Louis County Department of Transportation.
6. 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 document to which they are affixed. 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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SEAL: TODD B. SCHEIBE NUMBER E-24757 STATE OF MISSOURI

G&W ENGINEERING
138 Weldon Parkway St. Louis, MO 63043
www.GandWengineering.com

CHESTERFIELD VILLAGE LODGING, LLC
1850 CRAIGSHIRE, SUITE 103
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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 STEMME 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 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.

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.

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.

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.

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.

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.

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.

The Professional Engineer's seal and signature apply only to the document to which they are affixed. 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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SEAL: STATE OF MISSOURI — TODD B. SCHEIBE — NUMBER E-24757

G&W ENGINEERING

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.

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.	ORDINANCE

C004

PRELIMINARY - NOT FOR CONSTRUCTION

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

VIPER L OPTICS STRIKE

LARGE VIPER LUMINAIRE

Cat.#

Job

Type

BEACON design . performance . technology

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 ≥ .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).
- 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.hubbelllighting.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:

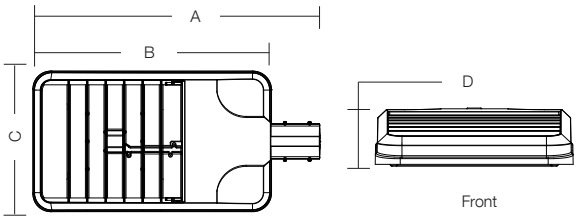
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife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

Warranty:

Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

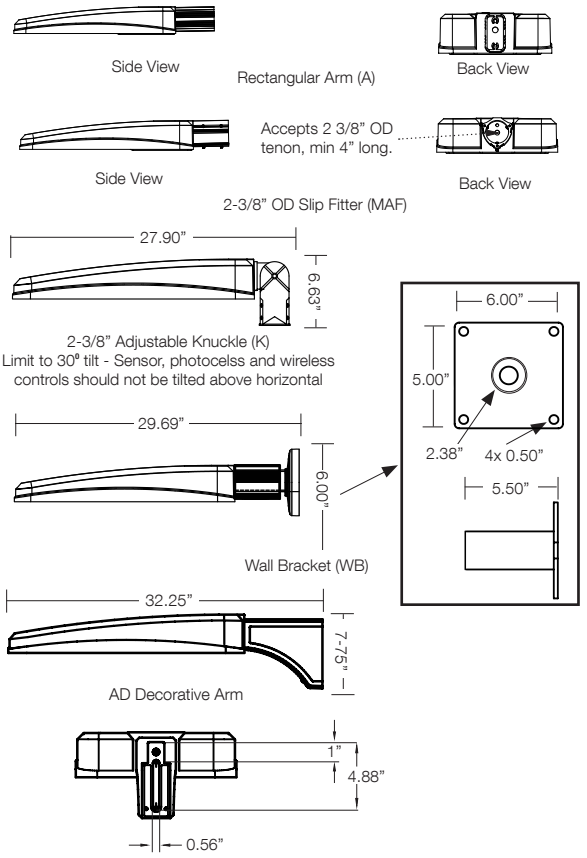
PRODUCT IMAGE(S)

DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS

C US

*3000K and warmer CCTs only

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HUBBELL Lighting

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

VPL | | | | | | | | | |

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

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**[1,2,6] Programmable Occupancy Sensor w/ daylight control
- **GENI-XX**[3] ENERGENI
- **SWP**[1,4] SiteSync Pre-Commission
- **SWPM**[1,2,4] 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

[1] Not available with other wireless control or sensor options
[2] Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
[3] Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
[4] Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
[5] Only available with FR, 2, 3, 4, 4W and 5R distributions
[6] Order at least one SCP-REMOTE per project location to program and control the occupancy sensor
[7] 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

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/ 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)

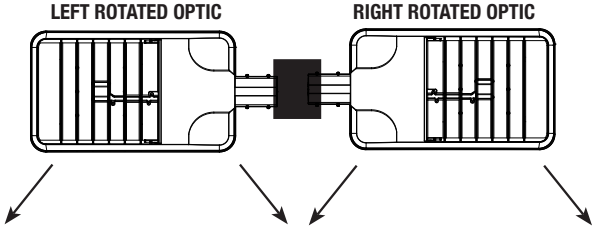
Catalog Number	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and 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. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.



SiteSync 7-Pin Module


SW7PR

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does no interface with occupancy sensors

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PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
				LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	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[2]	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[2]	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***

[1] 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.
[2] 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

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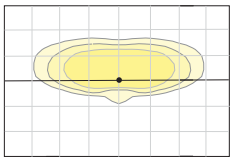
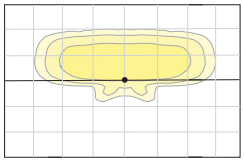
PHOTOMETRICS

Type FR - Front Row/Auto Optic



Type 2



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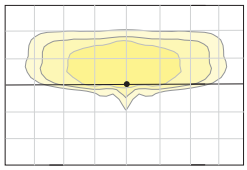

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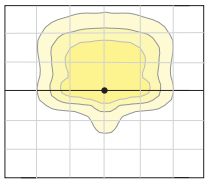

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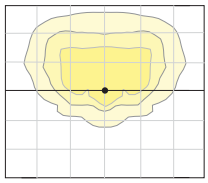
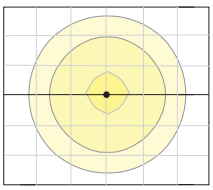
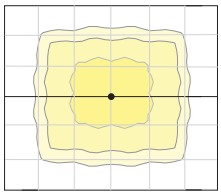


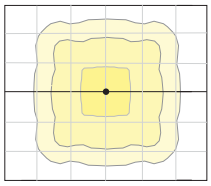
Type 5W



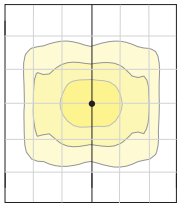
Type 5QN



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	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

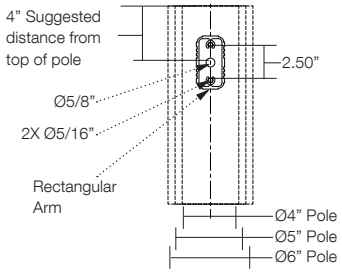
[1] Projected per IESNA TM-21-11

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.

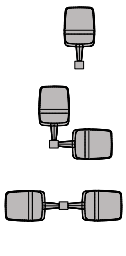
DRILL PATTERN

RECTANGULAR ARM (A)

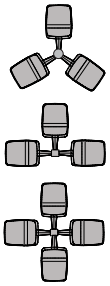
Compatible with Pole drill pattern B3



EPA



Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4



Config.	EPA
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

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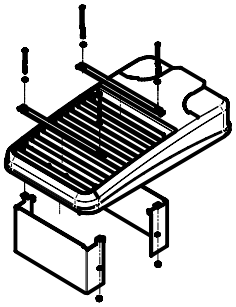
HUBBELL Lighting

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

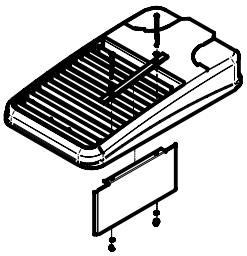
(2 3/8" OD tenon)

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

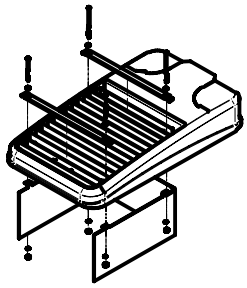
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



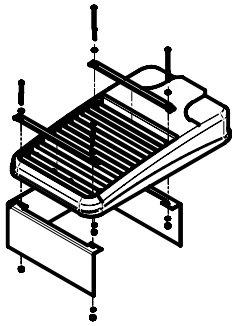
HSS/EVP-L/90-FB/XXX
90° shield front or back
(2 shields shown)



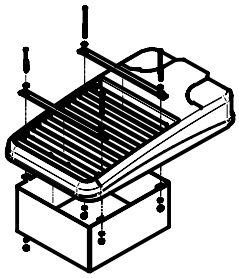
HSS/EVP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)



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

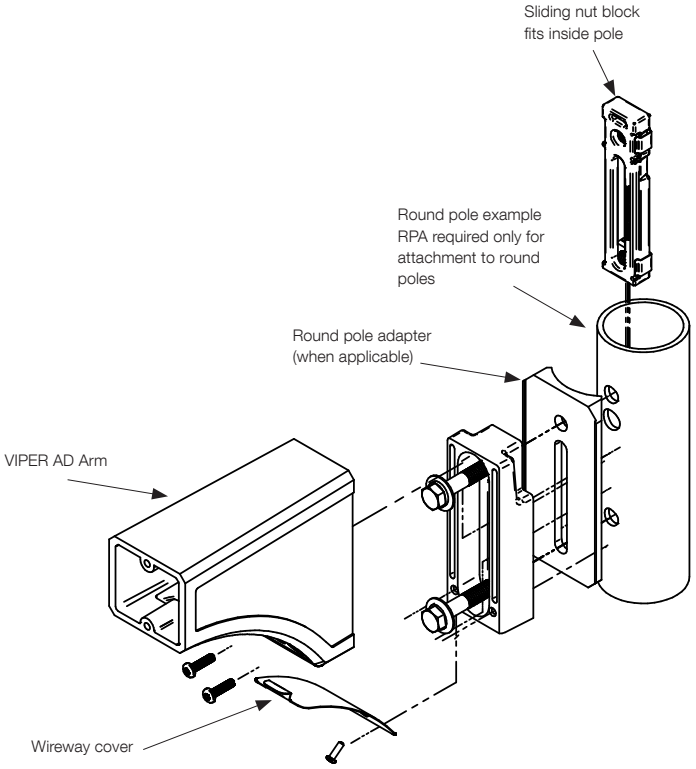


HSS/EVP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

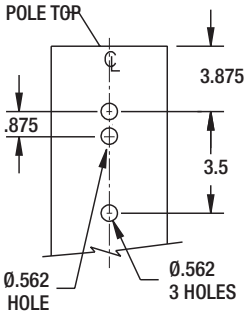


HSS/EVP-L/360/XXX
Full shield
(1 shield shown)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: TYPE C PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

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

*3000K and warmer CCTs only

RELATED PRODUCTS

RDI1 GeoPak | TRP1 GeoPak | QSP1 GeoPak

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL

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
- Intergral 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.hubbelllighting.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
- 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)

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: TYPE C PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

ORDERING GUIDE

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

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Voltage		Secondary Mounting	
TRP2	Trapezoid	24L-30	24 LEDs, 30 watts	3K7	3000K, 70 CRI	1	TYPE I	UNV	120-277V	BLANK	Downlight Only
RDI2	Radius	24L-50	24 LEDs, 50 watts	4K7	4000K, 70 CRI	2	TYPE II	120	120V	NV[2]	Inverted/Up Mounting
QSP2	Qtr-sphere	24L-70	24 LEDs, 70 watts	5K7	5000K, 70 CRI	3	TYPE III	208	208V		
		24L-90	24 LEDs, 90 watts			4	TYPE IV	240	240V		
		32L-70	32 LEDs, 70 watts					277	277V		
		32L-90	32 LEDs, 90 watts					UNV[1]	347/480V		
								347[1]	347V		
								480[1]	480V		

Color		Control Options Network		Options	
BL	Black textured	PC	Button Photocontrol	SF[3]	Single Fuse & fuse holder
DB	Dark bronze textured	SCP[4,5]	Programmable occupancy sensor, factory default is 10% light output	DF[3]	Double fuse & fuse holder
GT	Graphite textured	SCO[4]	Sensor Control, On/Off	E[3]	Battery pack (0°C)
GR	Gray textured matte	SWP[3,7]	SiteSync Pre-Commission	EH[3]	Battery pack (-30°C) with heater
GYS	Light gray smooth	SWPM[3,4,7,8]	SiteSync Pre-Commission w/ Occupancy Sensor	2DR[6]	Dual Drivers
PS	Platinum silver smooth	**Spec SCP/SCO & SWPM Mount Height**		2PF[6]	Dual power feeds
WH	White textured	-8F	Up to 8ft mount height	CS	Comfort shield
CC	Custom color	-20F	Up to 20ft mount height		

Notes:

1 70 & 90 watt versions only

2 Not available with SCP, SCO, SWPM sensor and E/EH battery options

3 Must specify voltage (120, 277 or 347V only for SWP & SWP, 120 or 277V only for E & EH)

4 PCU option not applicable, included in sensor

5 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustabl dimming with automatic daylight calibration and different time delay settings

6 Not available with 30w version

7 Not available with E/EH options. Must specify group and zone information at time or order. See www.HubbellLighting.com/product/sitesync for future details.

8 Specify time delay; dimming level and mounting height

ACCESSORIES (ORDERED SEPARATELY)

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

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

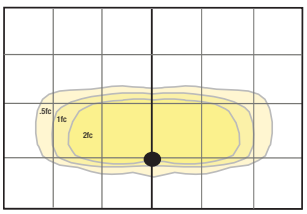
PERFORMANCE DATA

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

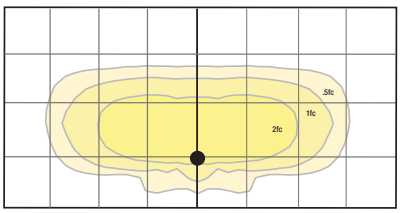
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

TRP2-24L-50-4K7-1



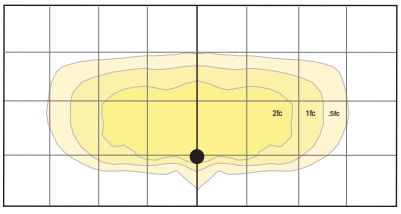
Mounting Height: 15'

TRP2-24L-50-4K7-2



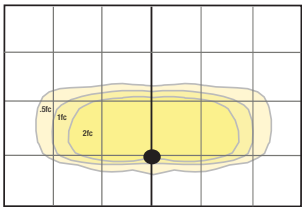
Mounting Height: 15'

TRP2-24L-50-4K7-3



Mounting Height: 15'

TRP2-24L-50-4K7-4



Mounting Height: 15'

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DATE: LOCATION:

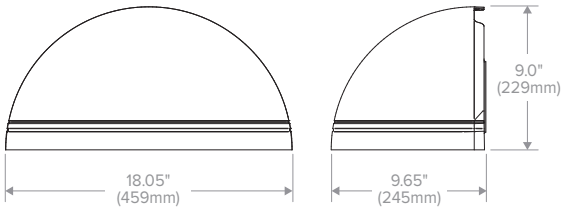
TYPE: PROJECT:

CATALOG #:

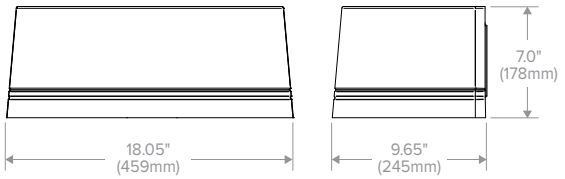
GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

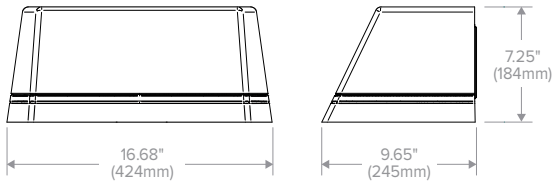
DIMENSIONS



QSP2
Weight:
15 lbs (6.8 kg)



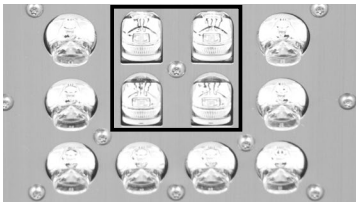
RDI2
Weight:
16 lbs (7.3 kg)



TRP2
Weight:
16 lbs (7.3 kg)

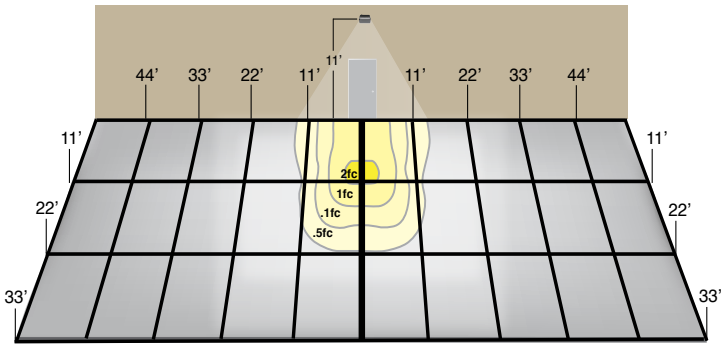
ADDITIONAL INFORMATION (CONT'D)

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



11' Mounting Height

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

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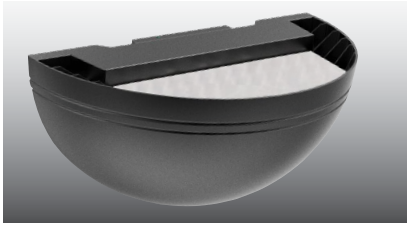
CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

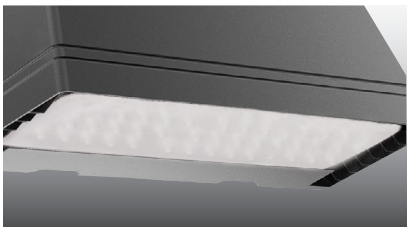
ADDITIONAL INFORMATION (CONT'D)

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

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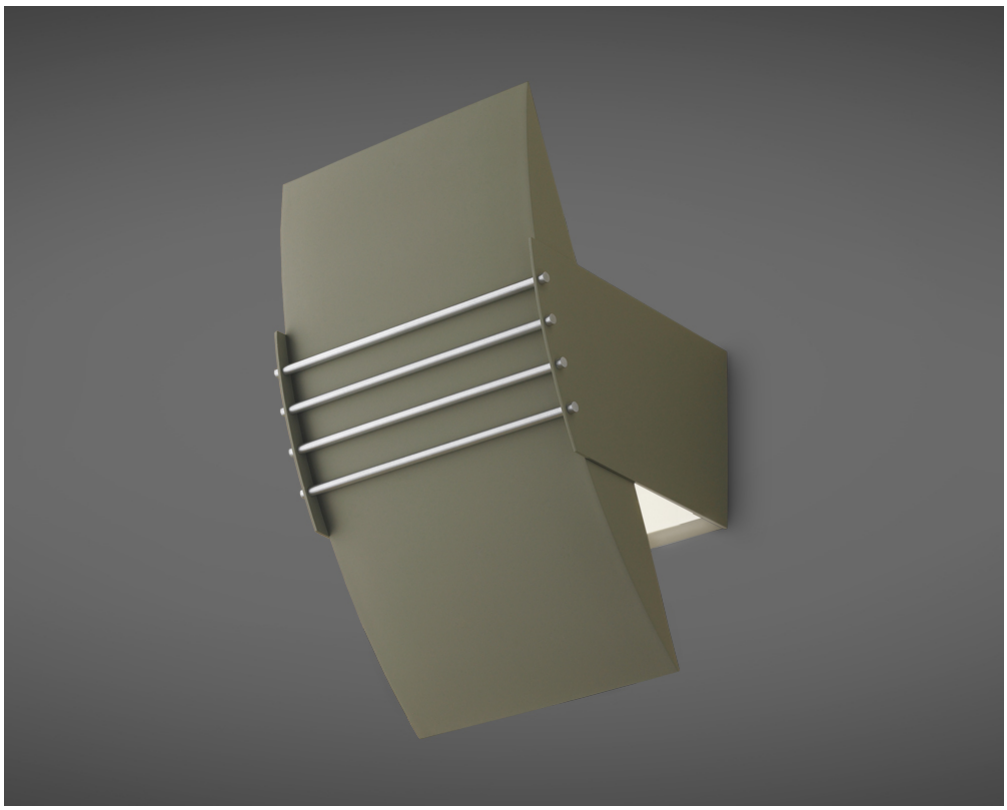
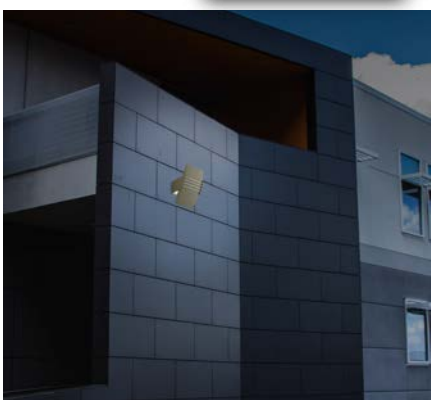
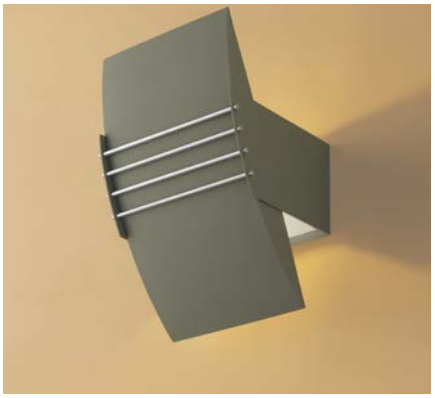
S9315 Series

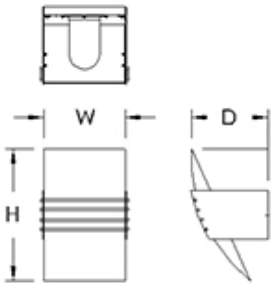






DIMENSIONS

SYMBOL



W	H	D	MC	BASE MODEL NO.
11 3/4″	19″	11″	9 5/8″	**S9315-L24**

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 30K 35K 40K	+	PT BA	+	Option

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 Metalic Paints**, Formulated for Exterior Conditions.

[illegible]

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prescolite

DATE: | LOCATION:

TYPE: E | PROJECT:

CATALOG #:

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

WET LOCATION

C SA US

ENERGY STAR

RELATED PRODUCTS

- 3" LITEISTRY Family
- 4" LITEISTRY Family
- 6" LITEISTRY Family

CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE

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 Vive 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

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HUBBELL Lighting

prescolite

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

ORDERING GUIDE

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

CATALOG #

HOUSING

LTR-6RD-H –

Aperture/Shape/Function		Lumen Package		Lumen Output		Driver Options[3]		Control Options		Voltage		Housing Options[11]	
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 [4]	*Standard 120-277V*		**CP**	Chicago Plenum [9]
LTR-6RD-RFH	6" Round Downlight Retrofit Housing [1,7]			**10L**	1000	**DM01**	0-10V Dimming to < 1%	**NXWE**	NX Wireless Enabled [4]	**34**	347V [8]	**IC**	IC rated [10]
LTR-6RD-RFHW	6" Round Downlight Retrofit Housing (for Wide Diameter) [1,7]			**15L**	1500	**DMX**	DMX with RDM dimming to < 0.1% [3]	**NXWD**	NX Wireless Enabled, Dual SmartPorts [4]			**EM**	Emergency Battery Pack with integral test switch and indicator light
		ML	Medium Lumen	**20L**	2000	**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
				25L	2500	**2DM**	Lutron Hi-Lume 2-wire Dimming to 1% (120V Forward Phase only) [3]	**LVE**	Lutron Vive Enabled, EcoSystem, (requires EDM)			**DTS**	Device Transfer Switch
				30L	3000	**EDM**	Lutron Hi-Lume EcoSystem Dimming to 1% [3]					**GTD**	Generator Transfer Device
		HL	High Lumen	**35L**	3500							**F**	Fuse
				40L	4000								
				45L	4500								
		VL	Very High Lumen	**50L**	5000								
				55L	5500								
				60L	6000								
		XL	Extra high Lumen [15]	**70L**	7000								
				80L	8000								
				90L	9000								

TRIM

LTR-6RD-T –

Aperture/Shape/Function		Lumen Package		CCT		CRI		Distribution	
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 [15]	**50K**	5000K [2]				

TRIM CONTINUED

–

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

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

Notes:

1 RFH and RFHW available up to 30L; not available with Controls or Housing options.
2 5000K available in 80+ CRI only.
3 2DM, EDM, DMX available in 10L-35L. DM01, DALI not available on >55L.
4 NX requires DM1 driver option, not available on >60L.
5 WT not needed for WC, BT not needed for BC.
6 Clear reflector or WC only, consult factory for other colors.
7 See line art for compatibility with existing aperture diameters.
8 347V requires DM1 driver option; available 10L - 60L not available with Controls, F, GTD, DTS, EM, EMR.
9 CP available up to 20L; not available with DMX, Controls, or EMR options.
10 IC available up to 20L; not available with Controls options.
11 Housing options (except Fuse) not available in combination.
12 Flush Mount Flange (FM) requires FMR accessory (sold separately).
13 DM1 on >60L is 0-10V to 5% dimming.
14 Not for use with Retroft housings (RFH/RFHW)
15 XL (70L-90L) require marked spacing. See line art for more details.

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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 DISTRIBUTED™ INTELLIGENCE

NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
NX Networked – Wired								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC/R[1]
NX Networked – Wireless								
NXWE[2]	N/A	Yes	Yes	No	No	Yes	Yes	No[3]
NX Networked – Wired/Wireless								
NXWD	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC/R[1,3]

1 NXBTC/R needs to be plugged into an available NX SmartPort™ on the fixture network

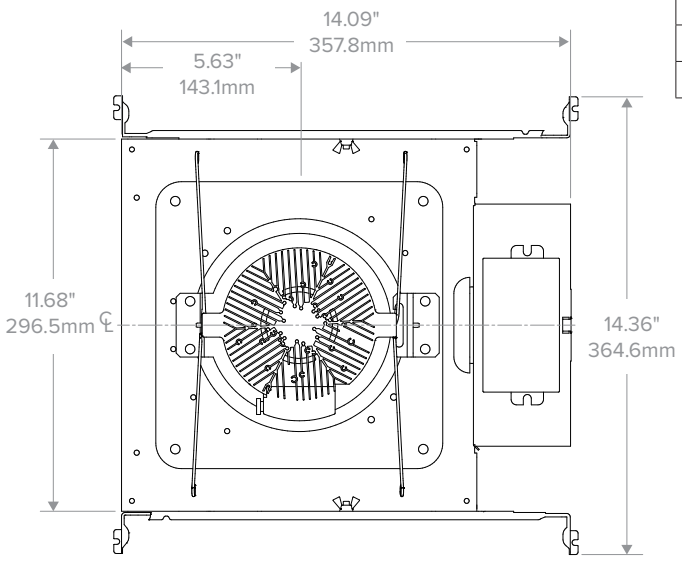
2 Programming via App requires factory assistance

3 To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

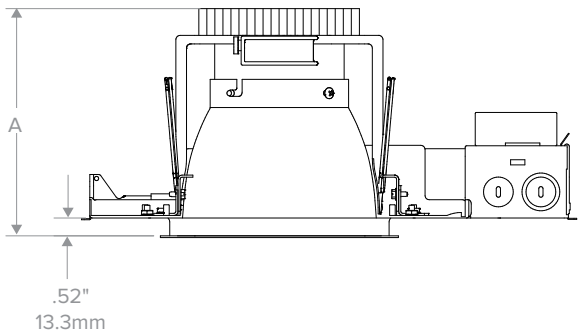
DIMENSIONS

Lumen Package	"A"
06L-15L	5.90" (149.9mm)
20L-30L	6.68" (169.7mm)
35L-40L	7.86" (199.6mm)
50L-60L	9.04" (229.6mm)

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)



Top View



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

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LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:

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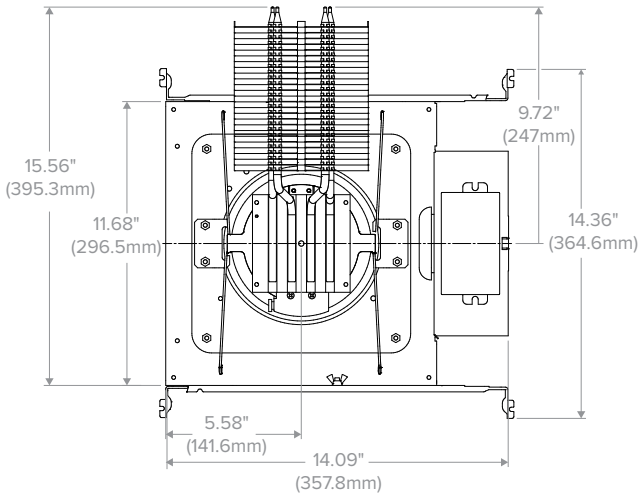
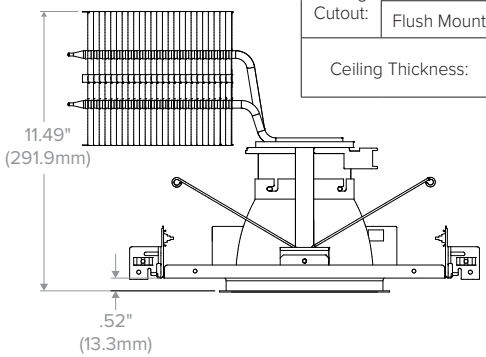
DIMENSIONS CONTINUED



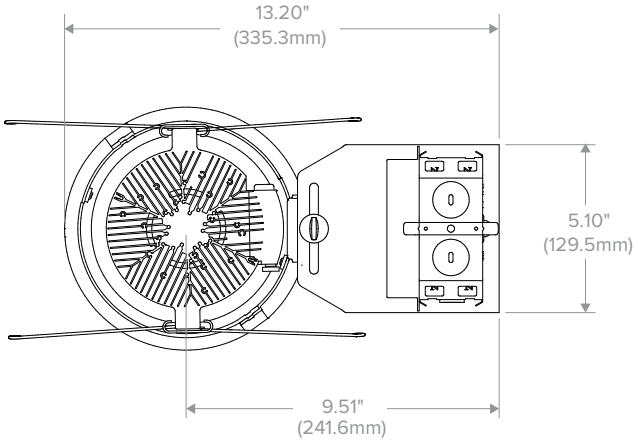
Top View

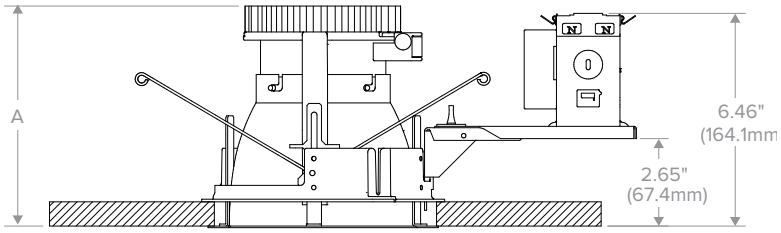
Marked spacing required:
36" fixture center to center;
36" center to building member;
0.50" above fixture

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

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LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:

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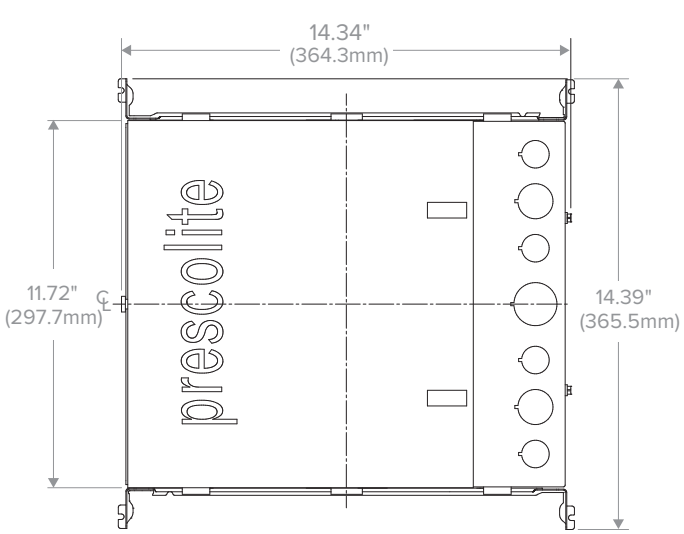
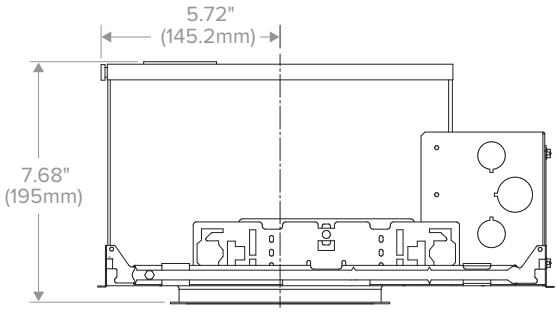
DIMENSIONS CONTINUED



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

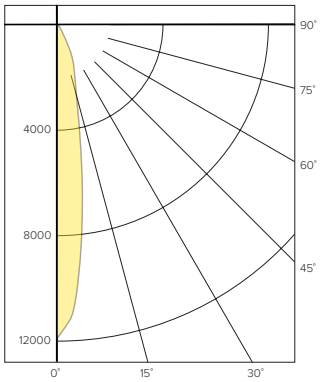
LUMINAIRE DATA

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

IES FILE

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

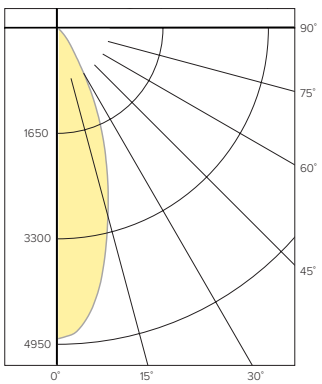
LUMINAIRE DATA

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

IES FILE

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HUBBELL Lighting

prescolite

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PHOTOMETRY CONTINUED

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

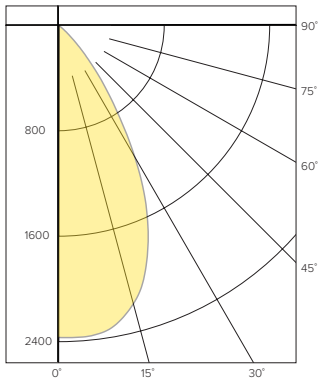
LUMINAIRE DATA

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**

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

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

IES FILE

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

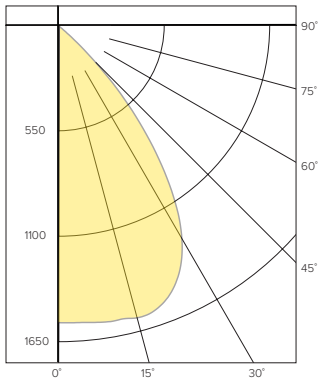
LUMINAIRE DATA

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**

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

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

IES FILE

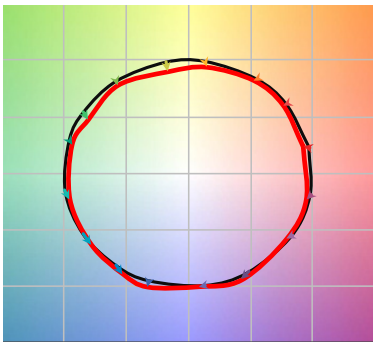
LUMEN MULTIPLIER

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_f	84	88
R_g	95	95
CCT (K)	3411	3419
D_{UV}	0.0015	0.0042
x	0.4120	0.4147
y	0.3974	0.4052
CIE R_a	84	93
CIE R_9	11	62

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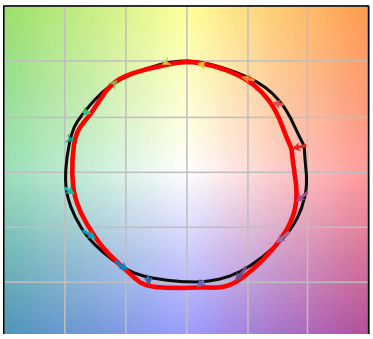
HUBBELL Lighting

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

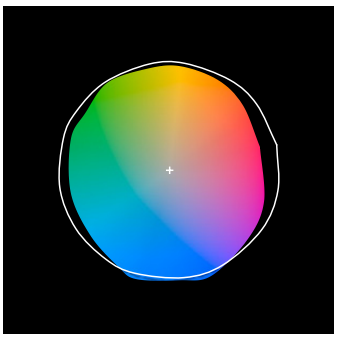
TM-30 DATA CONTINUED

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 DM1 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

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HUBBELL Lighting

prescolite

LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ADDITIONAL INFORMATION

DIMMING COMPATIBILITY CHART		
Dimming Driver	Manufacturer	Web Link
DM1 /DM01	Lutron DVTV	http://bit.ly/11jSvZg
DM1	Leviton AWRMG-7xx, AWSMG-7xx, AWSMT-7xx	http://bit.ly/1BJn2R9
EDM	Lutron	http://bit.ly/1vtjHAl
2DM	Lutron	http://bit.ly/1S4WjXK

DMX

See instruction sheet on 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 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
LPS Series: www.dual-lite.com/products/lps

ENERGY STAR®

The following stock items are ENERGY STAR® certified models. (See 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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HUBBELL Lighting

CURBS PLUS, INC.

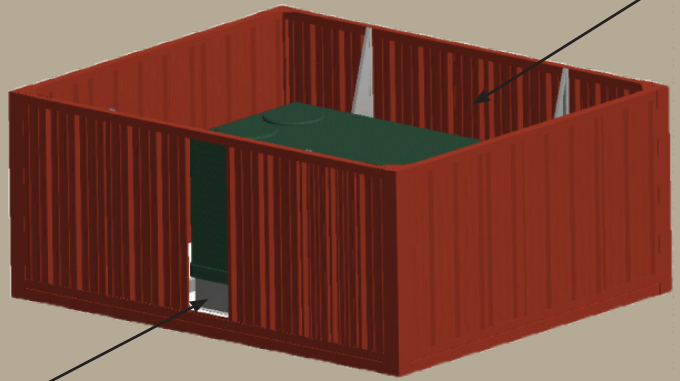
NuVue

Screen Systems

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

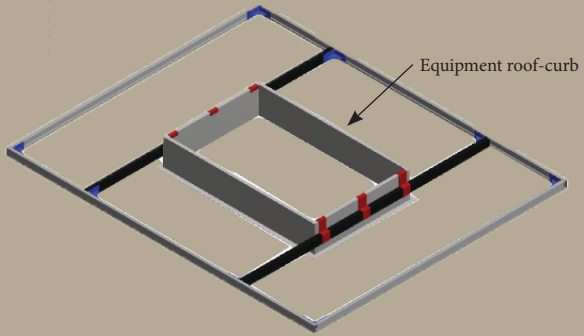
Entire screen system can be installed in hours (not days like some systems). All parts come pre-manufactured to the needed size. "No field fabricated erector set with our system."

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

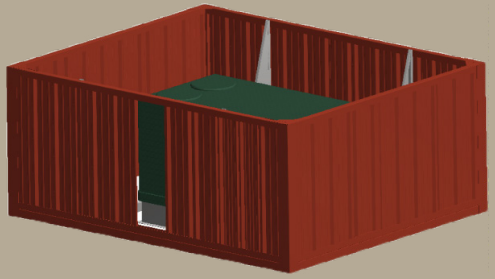
Kansas City, MO

Excelsior Springs, MO

Saint Louis, MO

NuVue
Screen Systems

Screen Configurations

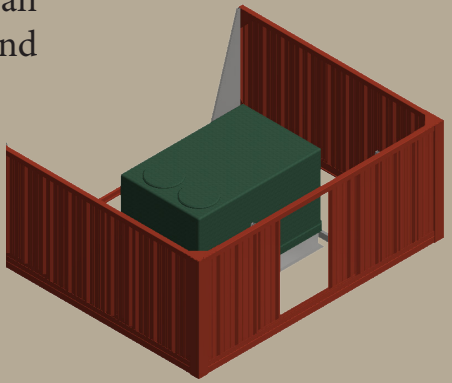


Typical 4 sided screen

Screen being installed to avoid existing roof piping.

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

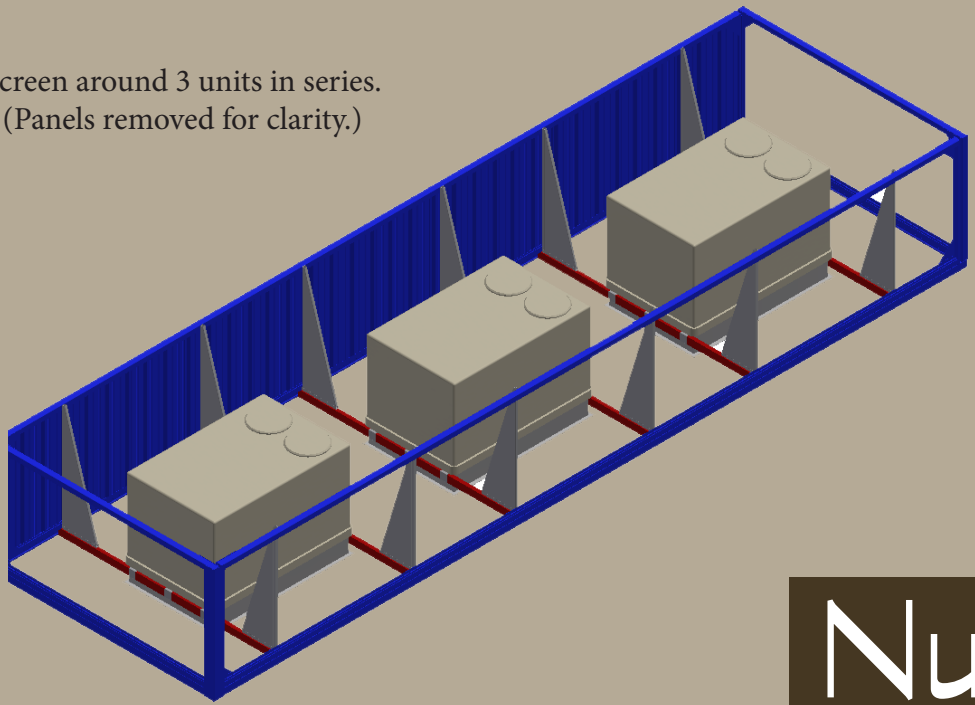
Installation of screen around unit with pipe-chase.



Typical 3 sided screen

Screen Configurations
(Continued)

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



NuVue
Screen Systems

Blacksburg, VA

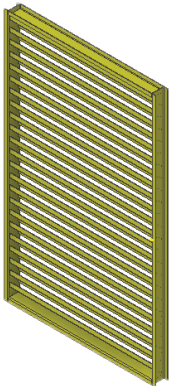
Richmond, VA

Charlotte, NC

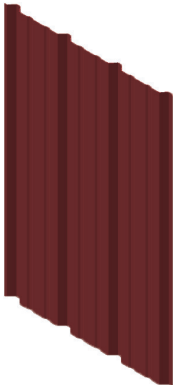
NuVue
Screen Systems

PANEL PROFILE OPTIONS

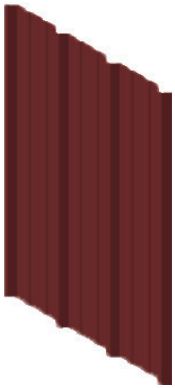
Smooth



Louvered



Shadow



Corrugated
(base)

OPTIONAL TRIM PROFILES

FLAT

STAIRCASE

“V”

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

STANDARD SCREEN AND TRIM COLORS*

Royal Blue

Evergreen

Terra Cotta

Dark Bronze

Slate Gray

Surrey Beige

Warm White

Regal White

CURBS PLUS, INC.

www.curbsplus.com

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