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## Architectural Review Board Staff Report

**Project Type:** Site Development Section Plan

**Meeting Date:** May 10, 2018

**From:** Mike Knight, Project Planner

**Location:** A 3.7 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing.

**Description:** **Residence Inn (16875 North Outer 40 Road):** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3.7 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing.

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### **PROPOSAL SUMMARY**

This request is to allow for development of a new hotel within the Summit-Topgolf subdivision. The hotel is 4 stories in height, accommodates 128 guest rooms and has an indoor pool. The materials range from manufactured stone veneer, fiber cement siding, and asphalt shingles. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 2932. The Summit-Topgolf subdivision is made up of 3 lots (A, B, and C). Lot A is the subject site for Residence Inn, Lot B is directly to the east in which the Topgolf facility is currently under construction, and Lot C is undeveloped and of similar size as Lot A. Currently, as this submittal is being reviewed, there is an ordinance amendment petition active (PZ 02-2018) for all 3 lots to allow for additional square footage from 150,000 to 200,000.

### **HISTORY OF SUBJECT SITE**

In January of 2017, the City Council approved Ordinance 2932 which consolidated two Planned Commercial districts (the Hardees Iceplex and Valley Gates Subdivision) into one new 22.2 acre Planned Commercial district. The portion of the site from the Hardees Iceplex is approximately 14.5 acres and was governed by Ordinance 1564 until the current 2932. The portion of the site from the Valley Gates subdivision is approximately 7.7 acres and was vacant until the City approved a change of zoning from an "NU" Non-Urban designation to a "PC" Planned Commercial designation in 2005. The subject site for this submittal is Lot A of the Summit-Topgolf subdivision governed under City of Chesterfield Ordinance 2932.



Figure 1: Aerial Site Photo

### **STAFF ANALYSIS**

Chesterfield Valley Design Policies: The City of Chesterfield’s Comprehensive Plan has a specific Chesterfield Valley Policies Element. Within this element is the Chesterfield Valley Design Policies. The policies include commercial development with particular concern over the image presented by development along I-64. There are six specific policies of which four are applicable to the design of this project. Staff outlines the applicable policies below and how the Site Development Section Plan relates to those policies.

**Policy 1: Facades of Buildings Along I-64 and Arterial Roadways** – Care should be taken to make sure that any portion of a building is equally uniform in materials and attractiveness as the primary facade. The intent is to avoid projects having their view from I-64/US 40 or the roadways appear to be the rear or side of a development.

The hotel is positioned that the front of the hotel faces west located north of I-64. The primary view of the hotel would be from the south, east, and west as one would see the building driving east to west/ west to east along I-64.

**Policy 2: Lighting of Buildings Along I-64/US 40** - The facades of buildings facing I-64 should be lighted to provide an attractive image at night for individuals traveling along I-64.

The lighting currently submitted is utilitarian in nature and is under review with staff. Changes have occurred with the Lighting Plan and staff will continue to review against the Unified Development Code. Lights that are not fully shielded flat lensed fixtures that enhance the architecture (decorative) will require separate approval from Planning Commission.

**Policy 3: Automobile Parking for Buildings Along I-64** - Parking should be primarily located to the side or rear of any building façade facing I-64/US 40 or along North Outer 40.

Parking shown on the Site Development Section Plan is primarily shown to the side and rear of the building.

**Policy 4: Pedestrian Circulation** - In order to promote pedestrian movement, each development is required to address pedestrian circulation within and between all developments. This pedestrian system shall be designed in an overall safe, clearly understood plan meeting ADA (American Disabilities Act) requirements.

The site has pedestrian circulation restraints between sites based on the built out environment to the east and west. These sites both currently have parking along the adjacent property boundaries. The only pedestrian access between neighboring east and west sites is a cross-access easement on the southern edge of the site running east to west. It should be noted this is the sole area for vehicular traffic to enter and exit the site. The sidewalk extends to the east but not west, as seen in Figure 3. There is pedestrian circulation internally through a sidewalk that circumnavigates the hotel.

**General Requirements for Site Design:**

**A. Site Relationships**

The subject site is located north of North Outer 40 Road and east of Boone’s Crossing in what is classified as the Chesterfield Valley Area within the City’s Comprehensive Land Use Plan. Given that North Outer 40 Road is a minor arterial and given the site’s close proximity to I-64, the south, east, and west façades are highly visible. The site is also visible from the north from the Monarch Chesterfield Levee Trail. Currently the Topgolf facility is under construction directly to the east and the Taubman Outlet Malls are to the west.

The Unified Development Code outlines specific desirable and undesirable practices within site relationships. This site does not contain any of the outlined undesirable practices. Below is a table outlining desirable practices within the code and how the Site Development Section Plan relates to these practices.

| Desirable Practices   | Site Development Section Plan   |
|---|---|
| Provide safe pedestrian movement between elements                           | As previously stated, pedestrian circulation exists within the site, but the site lacks pedestrian circulation between sites. Currently the only access a pedestrian would have between neighboring sites is through a cross-axis easement on the site running where all the vehicular traffic will also enter and exit the site. |
| Provide public plazas, courtyards, assembly areas, etc.                     | There are no public plazas or courtyards.   |
| Incorporate scenic views, fountains, public art, etc. within outdoor spaces | There is a sport court located to the west of the building in which two basketball hoops are shown in the ARB packet.   |

Figure 2: Desirable Practices

The Color Site Plan, Figure 3, clearly depicts the building, sport court, parking area, and green space. The large green area to the south counts as open space on the plan, but it should be noted that this area contains a roughly 50' wide rip-rap conveyance channel as part of the Chesterfield Valley Master Stormwater Plan.

**B. Circulation and Access**

Vehicle circulation can be seen throughout the site with two access points on the east and west. There is an area for drop off near the front entrance and a cul-de-sac at the northern edge of the site to circulate the vehicles back to the front. As previously mentioned, pedestrian circulation is limited between adjacent sites. The UDC also references bicycle circulation. There is no bicycle parking shown within this site.

A parking modification was provided and approved by the Director of Planning and Development Services in accordance with the UDC in which the required parking for the site would be reduced from 154 spaces to 130 spaces and the loading space requirement was also removed. A parking study justifying this request was completed and submitted to the City with the plan by the applicant.

**C. Topography**

The site is relatively flat with a couple of feet of grade change. A considerable amount of fill will be brought in to raise the elevation, but the site will remain overall flat. The existing topography slopes from the north to the south. As previously mentioned, there is a large drainage channel along the southern edge of the site. The Finish Floor elevation of the building is 462.25'. For reference, the finish floor elevation for the neighboring Top Golf is at 462' and the closest Taubman building is 468'. There are no retaining walls required or planned for this development.

**General Requirements for Building Design:**

This request is to allow for development of a 4 story 128 guest room hotel including an indoor pool and outdoor sport court. The hotel is 86,199 square feet and the sport court is 1,044 square feet with a total square footage of 87,243 square feet. The total site area for Lot A is 159,929 square feet. This produces a Floor to Area ratio for Lot A at (.55).

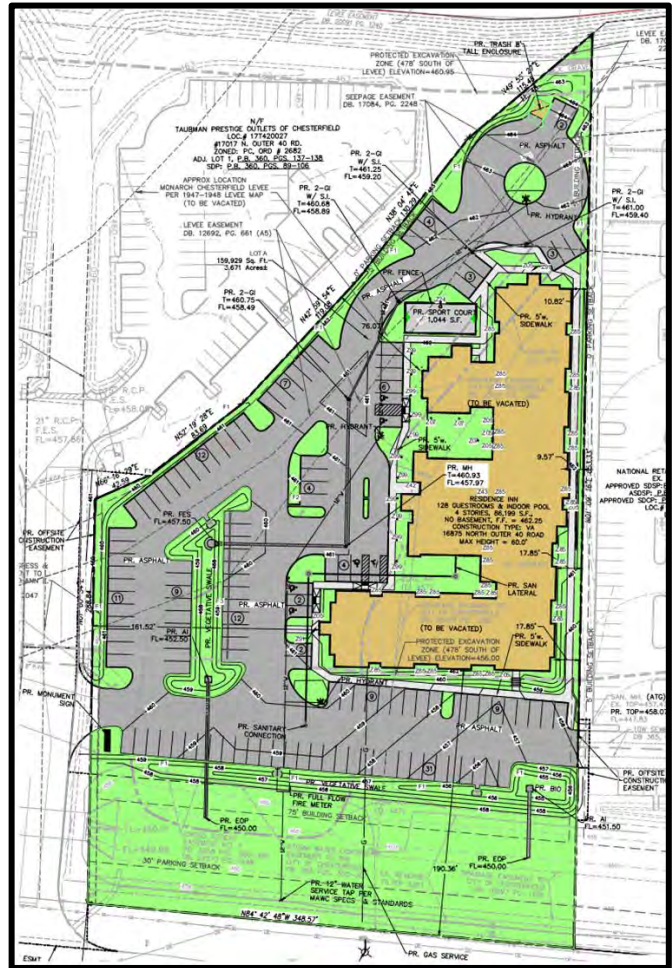


Figure 3: Color Site Plan



**A. Scale**

The 4 story structure will have a roof apex height approximately 56’ above finish floor. The building is L-shaped with the longest part of the L running north and south. The entry/check in area is contained within a one-story “gatehouse” that is attached to the main four story building. The Topgolf facility directly to the east is 3 stories in height and the rear of the building opens into an expansive outfield with poles and netting that reach 170 feet in height, as permitted in ordinance 2932. The Taubman Outlets are all one story in height but reach façade heights up to 40’. The human scale for the Residence Inn site is achieved at the public entrance areas of the building where guests interact with the building, the “gatehouse” is present, as well as additional plantings.

**B. Design**

The hotel schematic concept is primarily expressed through horizontal features. This can be seen by the horizontal window banks which serve the hotel’s guestrooms and this theme extends down to the entry canopy which is an elongated flag roof canopy with partial openings in the roof that allow light to filter into the gathering spaces outside. The roof consists of asphalt shingles and generally angles downward from a single apex similar to a residential structure. The first floor is roughly a little over 13’ in height, the second and third floor is just over 11’ in height, and the fourth floor is roughly 9’ in height.

The building materiality will be expressed in the use of native finishes. The use of stone and fiber cement panels are common with Prairie Style in which the Architect references an extension of the landscape.

The sport court has two basketball hoops, a green floor, and is screened on all four sides with a mesh material. An LED light on a pole will shine onto the sport court.

**C. Materials and Colors**

The building will use a combination of cement fiber board siding and manufactured stone; the colors of which are indicated in the schedule below. Samples will be submitted separately for this document. Below is Figure 4, which contains all the exterior material finishes.

| EXTERIOR MATERIAL FINISH SCHEDULE |                            |                         |              |  |
|-----------------------------------|----------------------------|-------------------------|--------------|--|
| MARK                              | MATERIAL                   | LOCATION                | MANUFACTURER | FINISH DESCRIPTION   |
| AL1                               | WINDOWS/STOREFRONTS        | REFER TO DRAWINGS       | VARIES       | ALUMINUM FRAME - PRE-FINISHED WHITE  |
| AS1                               | ASPHALT SHINGLES           | TYPICAL ROOF            | CERTAINTEE   | LANDMARK - WEATHERED WOOD  |
| MR1                               | STANDING SEAM METAL ROOF   | UPPER LOW SLOPE ROOFS   | PACCLAD      | SNAP CLAD STANDING SEAM METAL ROOFING - GRAPHITE COLOR   |
| PT1                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840                     |
| PT2                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "PENNYWISE" SW-6349                           |
| PT3                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117                        |
| PT4                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "BEIGE" SW-2859                               |
| S1                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIEPLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840   |
| S1a                               | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840  |
| S2                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIEPLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "PENNYWISE" SW-6349    |
| S3                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIEPLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117 |
| S4                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIEPLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "BEIGE" SW-2859             |
| S5                                | FIBER CEMENT SIDING SOFFIT | ROOF SOFFITS            | JAMES HARDIE | HARDIESOFFIT PANELS - VENTED - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "WHITE"                           |
| S6                                | FIBER CEMENT SIDING        | GATEHOUSE               | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "WHITE"  |
| ST1                               | MANUFACTURED STONE VENEER  | REFER TO DRAWINGS       | EL DORADO    | STACKED STONE "MANTUCKET"  |

Figure 4: Exterior materials

Figures 5-7 on the next page are depictions of each elevation. Again, it is important to note that the site will have prominent views from each of the four elevations, especially from the south, east, and west, due to the proximity to the major arterial I-64.



Figure 5: South Elevation



Figure 6: West Elevation



Figure 7: East Elevation



Figure 8: North Elevation



### D. Landscape Design and Screening

A Landscape Plan has been submitted and is currently under review with staff. There are street trees and parking area trees provided which are required by code. The street trees are canopy-shade trees with the common names European Hornbeam and Sawtooth Oak. The parking trees are predominately Armstrong Maple, Green Vase Zelkova, and American Hornbeam. Foundational plantings have been provided at the base of the building to ground where most guest foot traffic will be concentrated. The entryways receive an increase in these foundation plantings. Mechanical units will be located on the one-story roof area of the building. The mechanical units will be screened by parapet roofs. There is a dumpster located to the north of the cul-de-sac. The screening is 8' tall and made of manufactured stone with a steel double swing gate.

### E. Lighting

Lighting consists of utilitarian and decorative lighting that is still under review within the Site Development Section Plan review process. The development will utilize several different lighting strategies. For the site lighting, a 20' high pole mounted, 200w, metal halide fixtures with full cut features are used. This is for general light levels in the parking and other site spaces. At the building, the entry has a higher amount of general lighting and decorative lighting to ensure safe passage into the building. Certain features such as a sitting area also has a decorative task lighting. The building itself has "gatehouse" lights that provide a decorative point light to draw attention to guests. One light is situated in the upper center roof soffit in an area and the other is right above the main entry door. Lights that are not fully shielded flat lensed fixtures that enhance the architecture (decorative) will require separate approval from Planning Commission. Lighting placement throughout the site can be seen in Figure 9 below.

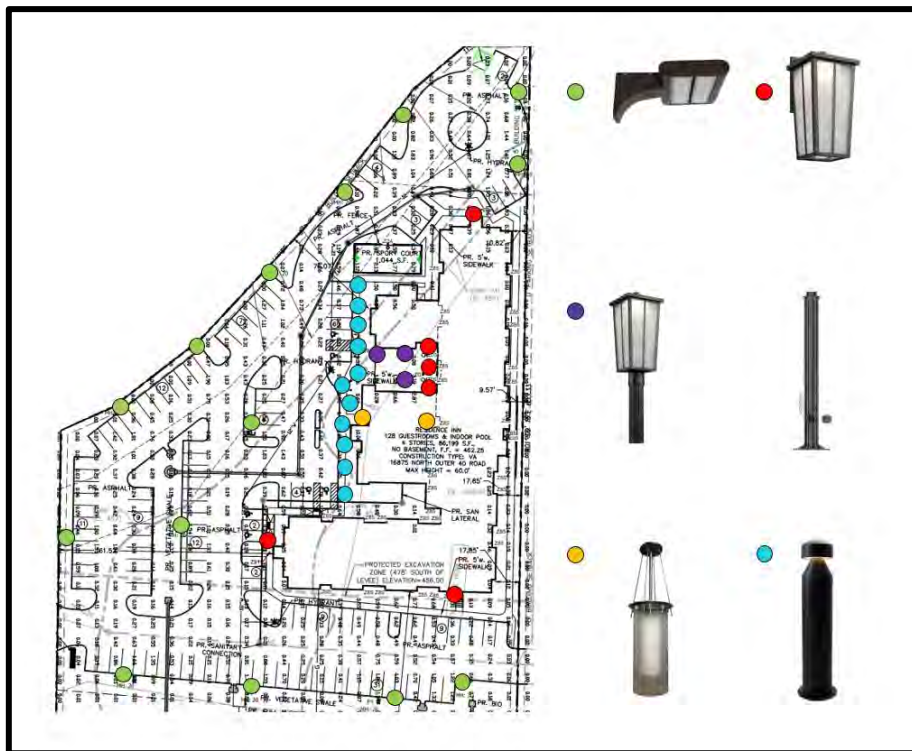


Figure 9: Lighting

## **DEPARTMENT INPUT**

Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

Staff requests review and recommendation on this submittal for Residence Inn (16875 North Outer 40 Road)

## **MOTION**

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

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Residence Inn (16875 North Outer 40 Road), as presented, with a recommendation for approval (or denial) to the Planning Commission."
  
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Residence Inn (16875 North Outer 40 Road) to the Planning Commission with the following recommendations..."

### Attachments

1. Architectural Review Packet Submittal





# chasen b. garrett

ARCHITECTS, PLLC

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2/27/2018

## **Architect's Statement of Design – Residence Inn – 16875 North Outer 40 Road – Chesterfield, Missouri**

### **General Requirements for Site Design:**

#### **Site Relationship**

The new hotel development will be addressed to 16875 North Outer 40 Road. The site is situated between two established commercial developments on the east and west. It is bordered on the south by North Outer 40 Road. This building will have prominent views from each of its four elevations. For this reason, all four elevations have been considered as primary and have received treatment addressing them as such. However, due to the need to direct hotel guests to the main entry and lobby, the western view and elevation has received special attention to draw guests to that main entry.

#### **Circulation System and Access**

The site entries have been coordinated well with city staff to have two site entries. The main site entry point will be off the western access road. The site will circulate around the building and will also connect to the adjacent site to the east.

Pedestrian circulation is provided by means of a sidewalk system built to city standards. This sidewalk system is provided on the street sides of the building as well as internal walks that connect the building with parking areas and the street walks.

#### **Topography**

The existing topography slopes from north to south. On the southern end of the property is a large drainage channel. The site slowly slopes towards this drainage channel. On the building there will be steeper grades.

#### **Retaining Walls**

No retaining wall are required or planned for this development.

### **General Requirements for Building Design:**

#### **Scale**

This building will be a 4-story structure with a roof apex height approximately 56' above finish floor. The building is L-shaped with the longest part of the L running north and south. The entry/check in area is contained within a one-story "gatehouse" that is attached to the main four-story building. The building is taller than several of the buildings in the area. However, this helps to reduce site impermeability by raising the building vertically instead of spreading the building out over a large ground floor footprint. This height and shape configuration is also necessary for the typology of a hotel and residential building where each sleeping area requires a window and natural light.

The scale and composition of design elements have been set as they are in order to achieve a balanced façade and proportion. The human scale is achieved at the public entrance areas of the building where guests interact with the building.

## Design

The hotel employs schematic massing concepts reminiscent of the Prairie Style in its overall horizontality of the two primary elevations. This horizontal is further accentuated by the horizontal window banks which serve the hotel's guestrooms. This horizontal theme extends down to the entry canopy which is an elongated flag roof canopy with partial openings in the roof that allow light to filter into the gathering spaces outside.

The roof lines are of slight pitch and slope low to allow the building to rise from the site but yet harmonize with the surrounding landscape as the building's roof lines and the earth horizon complement each other. Additionally, the roof massing is thickened to evoke the Prairie style.

The building materiality will be expressed in the use of native finishes. The use of stone and fiber cement panels are common with the Prairie Style and help the building to appear as an extension of the landscape.

## Materials and Colors

The building will use a combination of cement fiber board siding and manufactured stone. The colors of which are indicated in the schedule below. Samples will be submitted separate from this document.

| EXTERIOR MATERIAL FINISH SCHEDULE |                            |                         |              |   |
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| ST1                               | MANUFACTURED STONE VENEER  | REFER TO DRAWINGS       | EL DORADO    | STACKED STONE "NANTUCKET"   |

## Landscape Design and Screening

A complete landscape design has been completed and submitted with this document. This landscape design has been completed per city standards and includes several techniques to achieve the overall strategy. First, street perimeter tree plantings have been provided to as well as the interior parking area trees. Also, shrubs have been provided where needed to screen mechanical units and other sight lines. Furthermore, foundational plantings have been provided at the base of the building to ground the building and provide flora where most guest foot traffic will be concentrated. The entryways receive an increase in these foundation plantings to accentuate the entries for guest courtesies.

## Lighting

The development will utilize several different lighting strategies. For the site lighting, 20' high pole mounted, 200w, Metal Halide fixtures with full cut features are used. This is for general light levels in the parking and other site spaces. At the building, the entry has a higher amount of general lighting and decorative lighting to ensure safe passage into the building. Certain features such as a sitting area also has decorative task lighting. The building itself has "gatehouse" lights that provide a decorative point light to draw the attention of guests. One light is situated in the upper center roof soffit in an area and the other is right above the main entry door.

Sincerely,



Chasen B. Garrett AIA, LEED, AP BD+C



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**The City of Chesterfield is committed to excellence  
in service and overall quality of life:  
By being the City of Choice in the St. Louis Region  
within which to live, work, play, and visit.**

*- City of Chesterfield Mission Statement*

The Planning Commission and the Department of Planning and Development Services strive for the above in the review of projects presented to the City of Chesterfield for development. To assist with this process, the Architectural Review Board was established in 1998.

The terms and provisions of the Architectural Review Standards ([Section 04-01 of the Unified Development Code](#)) shall apply to all vacant or undeveloped land and all property to be redeveloped including additions and alterations. Projects will be reviewed by the Architectural Review Board (ARB) to provide recommendations to the Planning Commission and Department of Planning and Development Services.

The Planner assigned to your development project will notify you when the project is ready for submission to the ARB. This may be upon completion of the first full review by the City or upon resubmittal after comments raised by the City have been addressed if said comments will impact the site layout or design. The Planner will work with you and advise you on the appropriate agenda review date for your project.

To aid you in preparing an item for review, the attached information has been developed:

- Project Statistics and Checklist
- Architectural Review Standards

To ensure you have everything you need for ARB review, once the project is ready for ARB submittal, you will be notified by your Project Planner to submit one copy of your full ARB application for review. *\*This review is done to ensure you have everything you need prior to submitting the required fourteen (14) copies necessary for the meeting. Again, your Project Planner will notify you of all submittal deadline dates as they assist you through this process.*

All items requested must be submitted by the date provided to you by your assigned Planner in order to have the project placed on the ARB's agenda.

If you have questions about the architectural review process, contact your assigned Project Planner, or contact the Planner of the Day at 636-537-4733 or [pod@chesterfield.mo.us](mailto:pod@chesterfield.mo.us)

Thank you



**ARCHITECTURAL REVIEW BOARD  
Project Statistics and Checklist**

**Date of First Comment Letter Received from the City of Chesterfield** 01/30/2018

**Project Title:** Residence Inn **Location:** 16875 North Outer 40 Road

**Developer:** Jay Koshiya **Architect:** Chasen B. Garrett **Engineer:** Stock and Associates

**PROJECT STATISTICS:**

**Size of site (in acres):** 3.671 **Total Square Footage:** 86,198 **Building Height:** 56'-2"

**Proposed Usage:** Hotel

**Exterior Building Materials:** Fiber Cement Siding, Manufactured Stone Veneer

**Roof Material & Design:** Asphalt Shingles, TPO, and Standing Seam Metal Roofing

**Screening Material & Design:** CMU Block with Manufactured Stone Veneer finish to match building

**Description of art or architecturally significant features (if any):** None are planned at this time

**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.



## **ARCHITECTURAL REVIEW DESIGN STANDARDS**

Please refer to [Section 04-01 of the Unified Development Code](#) for the Architectural Review Design Standards.

## **ARCHITECTURAL TERMS**

Please refer to [Section 10-06 of the Unified Development Code](#) for definitions of Architectural Terms.



chasen b. garrett  
ARCHITECTS, PLLC

## SITE PHOTOGRAPHS



On Outer 40 Road looking north towards site.



On western access road looking east towards site.

405 Garrison Ave. Ste. 103 · Fort Smith, AR 72901

Phone: 479-652-0175 · Fax: 479-434-5004 · [www.cb architects.com](http://www.cb architects.com)



# chasen b. garrett

ARCHITECTS, PLLC



On western access road looking southeast towards site.



On Outer 40 Rd. looking northwest towards site.





② SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"

| EXTERIOR MATERIAL FINISH SCHEDULE |                            |                         |              |   |  |
|-----------------------------------|----------------------------|-------------------------|--------------|---|--|
| MARK                              | MATERIAL                   | LOCATION                | MANUFACTURER | FINISH DESCRIPTION  |  |
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| MR1                               | STANDING SEAM METAL ROOF   | UPPER LOW SLOPE ROOFS   | PACCLAD      | SNAP CLAD STANDING SEAM METAL ROOFING - GRAPHITE COLOR  |  |
| PT1                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840                      |  |
| PT2                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "PENNYWISE" SW-6349                            |  |
| PT3                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117                         |  |
| PT4                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "BEIGE" SW-2859                                |  |
| S1                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840   |  |
| S1a                               | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840   |  |
| S2                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "PENNYWISE" SW-6349    |  |
| S3                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117 |  |
| S4                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "BEIGE" SW-2859             |  |
| S5                                | FIBER CEMENT SIDING SOFFIT | ROOF SOFFITS            | JAMES HARDIE | HARDIESOFFIT PANELS - VENTED - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "WHITE"                            |  |
| S6                                | FIBER CEMENT SIDING        | GATEHOUSE               | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "WHITE"   |  |
| ST1                               | MANUFACTURED STONE VENEER  | REFER TO DRAWINGS       | EL DORADO    | STACKED STONE "NANTUCKET"   |  |



① WEST ELEVATION  
SCALE: 1" = 10'-0"

| PLAN STATUS     | DESCRIPTION | DATE       |
|-----------------|-------------|------------|
| ARB SUBMITTAL   |             | 02/26/2018 |
| ARB SUBMITTAL 2 |             | 04/18/2018 |

**chasen b. garrett**  
ARCHITECTS, PLLC  
405 GARRISON AVE. SUITE 103  
FORT SMITH, ARKANSAS 72901  
479.652.0175



RESIDENCE INN - #11090  
KMG HOTELS  
16875 NORTH OUTER 40 ROAD - CHESTERFIELD, MO  
EXTERIOR ELEVATIONS



CHASEN B. GARRETT - ARCHITECT  
MO# A-2014010812  
DATE: 04/18/2018

SHEET NUMBER:  
**A201**





2 EAST ELEVATION  
SCALE: 1" = 10'-0"

| EXTERIOR MATERIAL FINISH SCHEDULE |                            |                         |              |   |
|-----------------------------------|----------------------------|-------------------------|--------------|---|
| MARK                              | MATERIAL                   | LOCATION                | MANUFACTURER | FINISH DESCRIPTION  |
| AL1                               | WINDOWS/STOREFRONTS        | REFER TO DRAWINGS       | VARIES       | ALUMINUM FRAME - PRE-FINISHED WHITE   |
| AS1                               | ASPHALT SHINGLES           | TYPICAL ROOF            | CERTAINTED   | LANDMARK - WEATHERED WOOD   |
| MR1                               | STANDING SEAM METAL ROOF   | UPPER LOW SLOPE ROOFS   | PACCLAD      | SNAP CLAD STANDING SEAM METAL ROOFING - GRAPHITE COLOR  |
| PT1                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840                      |
| PT2                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "PENNYWISE" SW-6349                            |
| PT3                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117                         |
| PT4                               | FIBER CEMENT SIDING TRIM   | WINDOW TRIM AND CORNERS | JAMES HARDIE | HARDIE SIDING TRIM - PAINT/PREFINISH TO MATCH SHERWIN WILLIAMS "BEIGE" SW-2859                                |
| S1                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840   |
| S1a                               | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "HAMMERED SILVER" SW-2840   |
| S2                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "PENNYWISE" SW-6349    |
| S3                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 10 3/4" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "SMOKEY TOPAZ" SW-6117 |
| S4                                | FIBER CEMENT SIDING        | REFER TO DRAWINGS       | JAMES HARDIE | HARDIE PLANK LAP SIDING 6" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "BEIGE" SW-2859             |
| S5                                | FIBER CEMENT SIDING SOFFIT | ROOF SOFFITS            | JAMES HARDIE | HARDIESOFFIT PANELS - VENTED - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "WHITE"                            |
| S6                                | FIBER CEMENT SIDING        | GATEHOUSE               | JAMES HARDIE | HARDIE SIDING - SMOOTH - SHERWIN WILLIAMS "WHITE"   |
| ST1                               | MANUFACTURED STONE VENEER  | REFER TO DRAWINGS       | EL DORADO    | STACKED STONE "NANTUCKET"   |



1 NORTH ELEVATION  
SCALE: 1/8" = 1'-0"

| PLAN STATUS     | DESCRIPTION | DATE       |
|-----------------|-------------|------------|
| ARB SUBMITTAL   |             | 02/26/2018 |
| ARB SUBMITTAL 2 |             | 04/18/2018 |

chasen b. garrett  
ARCHITECTS, PLLC

405 GARRISON AVE. SUITE 103  
FORT SMITH, ARKANSAS 72901  
479.652.0175



RESIDENCE INN - #11090

KMG HOTELS

16875 NORTH OUTER 40 ROAD - CHESTERFIELD, MO

EXTERIOR ELEVATIONS

04/18/2018



CHASEN B. GARRETT - ARCHITECT  
MO# A-2014010812

DATE:  
04/18/2018

SHEET NUMBER:

A202





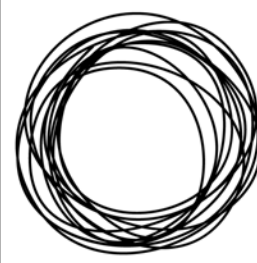
NORTHWEST RENDERING



SOUTHWEST RENDERING

| PLAN STATUS   | DESCRIPTION     | DATE       |
|---------------|-----------------|------------|
| ARB SUBMITTAL | ARB SUBMITTAL 2 | 02/26/2018 |
| ARB SUBMITTAL | ARB SUBMITTAL 2 | 04/18/2018 |

**chasen b. garrett**  
 ARCHITECTS, PLLC  
 405 GARRISON AVE. SUITE 103  
 FORT SMITH, ARKANSAS 72901  
 479.652.0175



RESIDENCE INN - #11090  
 KMG HOTELS  
 16875 NORTH OUTER 40 ROAD - CHESTERFIELD, MO

EXTERIOR RENDERINGS



CHASEN B. GARRETT - ARCHITECT  
 MO# A-2014010812  
 DATE: 04/18/2018

SHEET NUMBER:  
**A203**











|                 |            |
|-----------------|------------|
| PLAN STATUS     | DATE       |
| DESCRIPTION     | 04/18/2018 |
| ARB SUBMITTAL 2 |            |
| A#              |            |

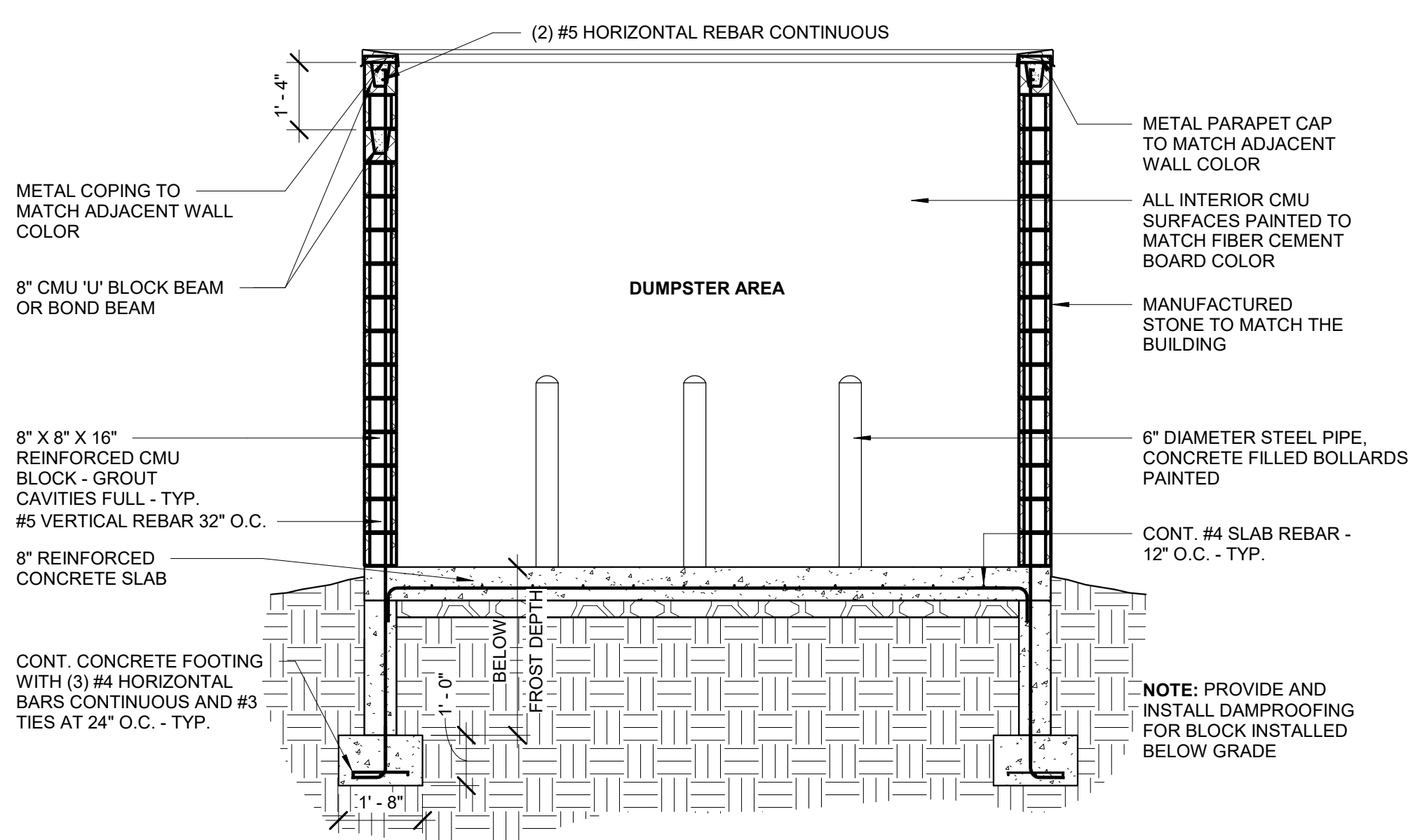
**chasen b. garrett**  
 ARCHITECTS, P L L C  
 405 GARRISON AVE. SUITE 103  
 FORT SMITH, ARKANSAS 72901  
 479.652.0175

**RESIDENCE INN - #11090**  
 KMG HOTELS  
 16875 NORTH OUTER 40 ROAD - CHESTERFIELD, MO  
 SITE DETAILS

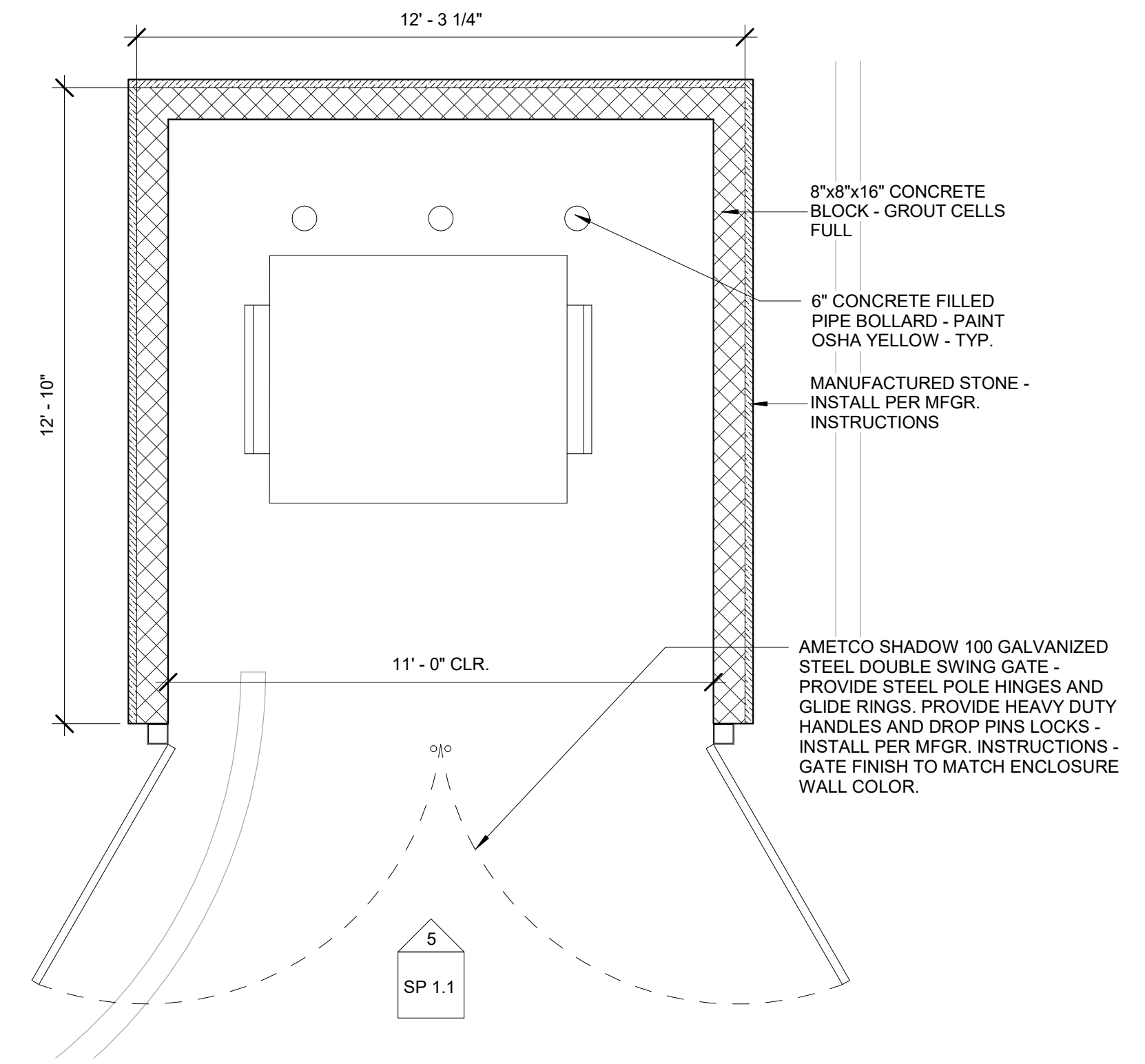
04/18/2018  
 CHASEN B. GARRETT  
 ARCHITECT  
 CHASEN B. GARRETT - ARCHITECT  
 MO# A-2014010812

DATE:  
 04/18/2018  
 SHEET NUMBER:

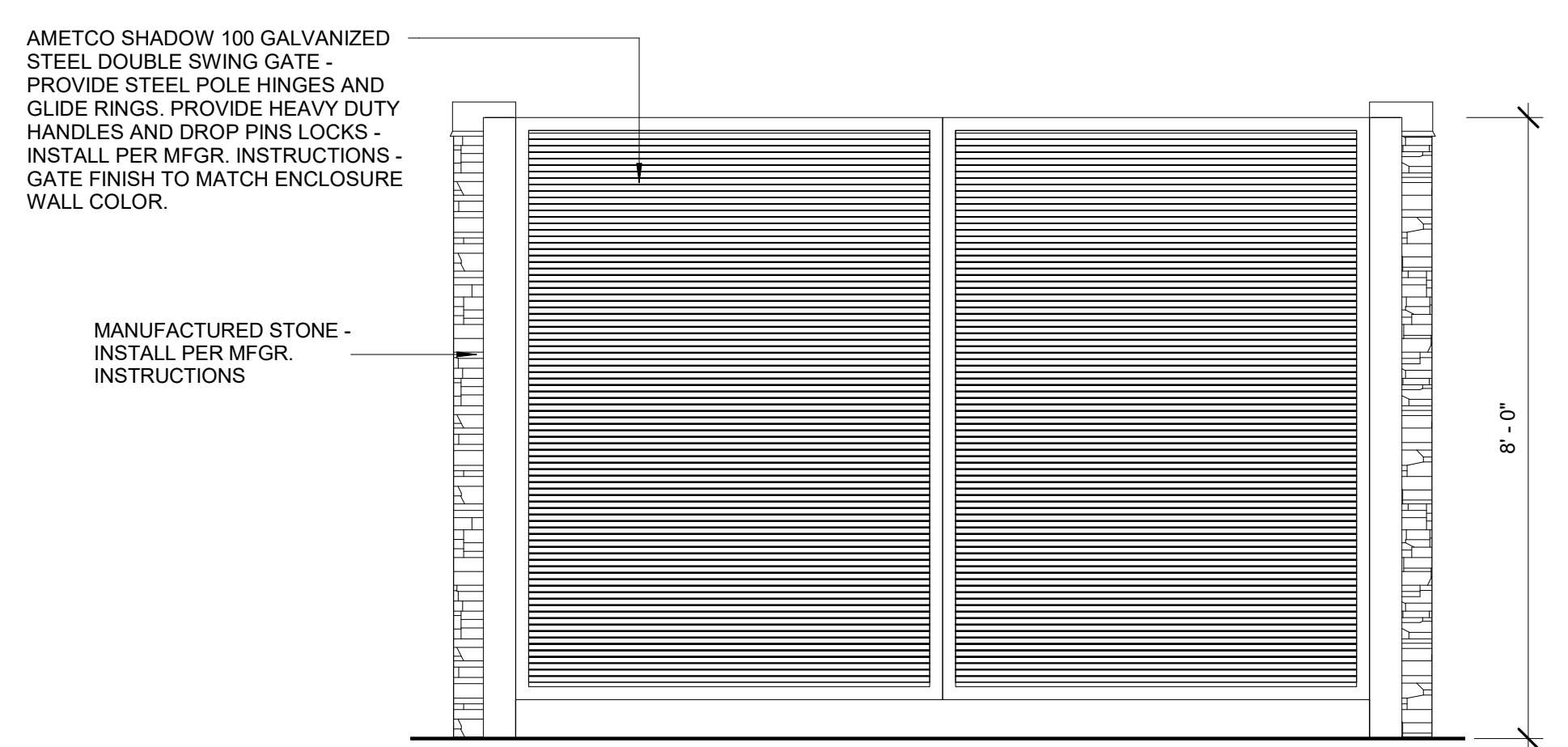
**SP 1.1**



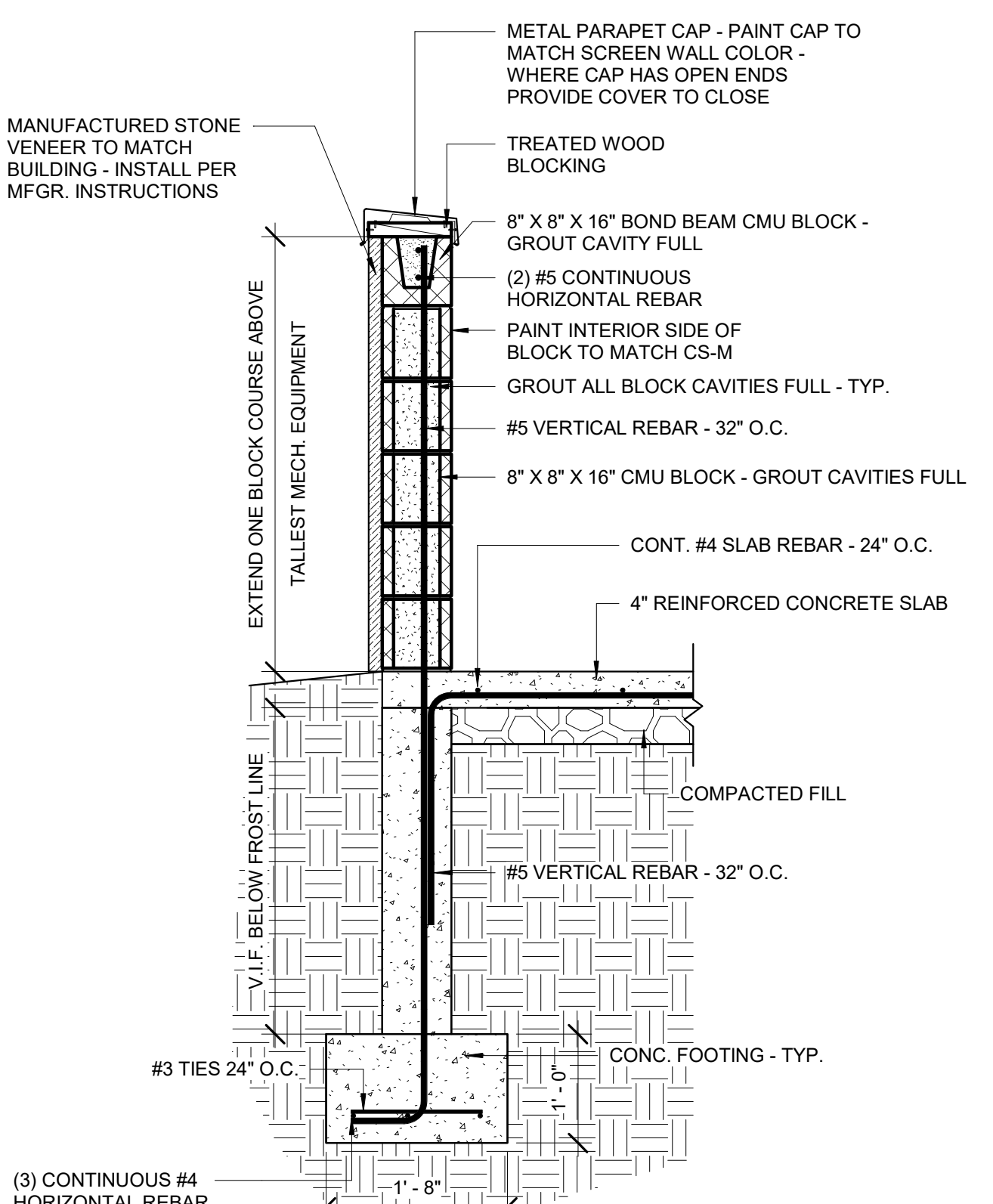
6 DUMPSTER ENCLOSURE SECTION  
 SCALE: 3/8" = 1'-0"



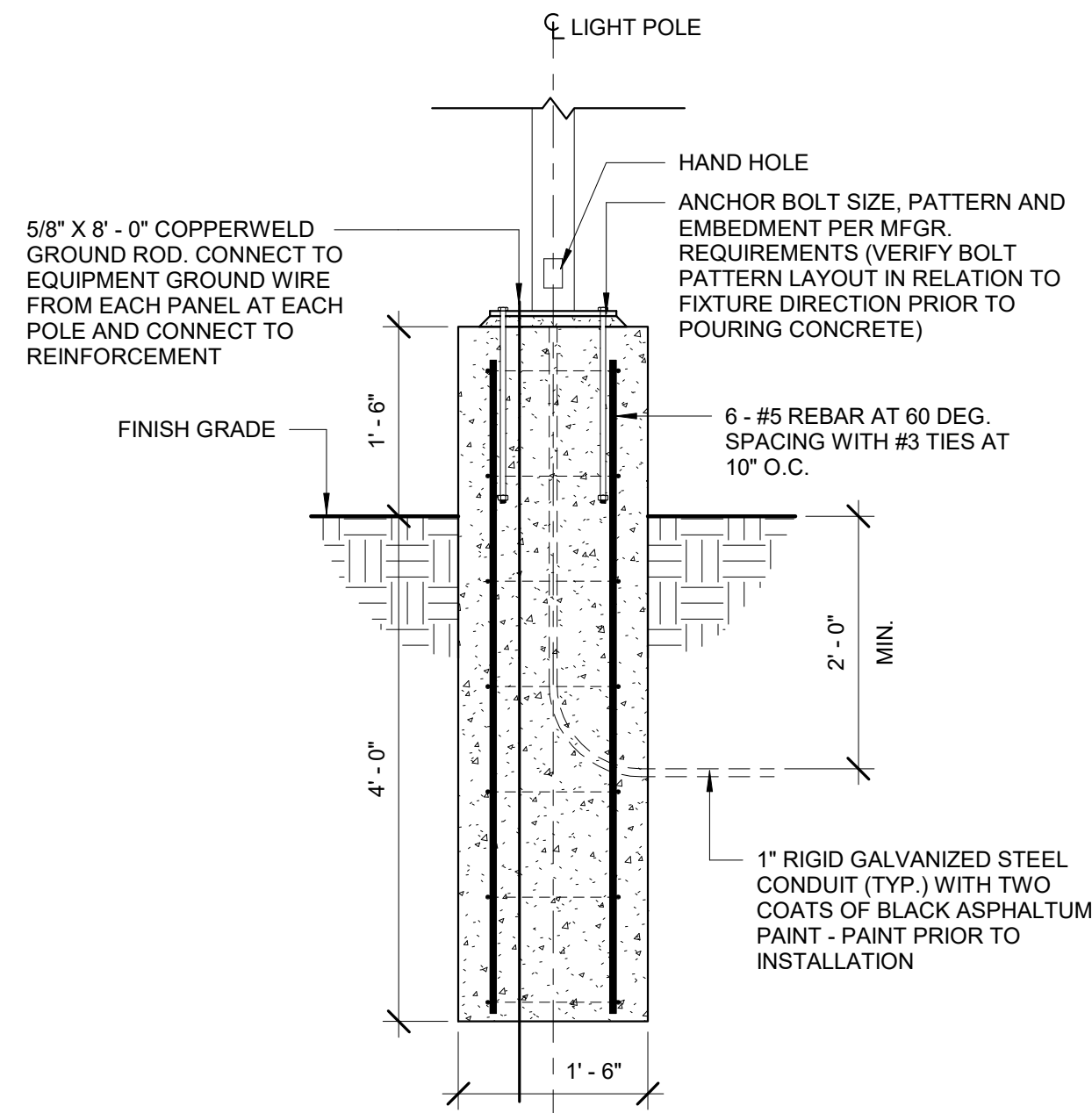
4 DUMPSTER ENCLOSURE PLAN  
 SCALE: 3/8" = 1'-0"



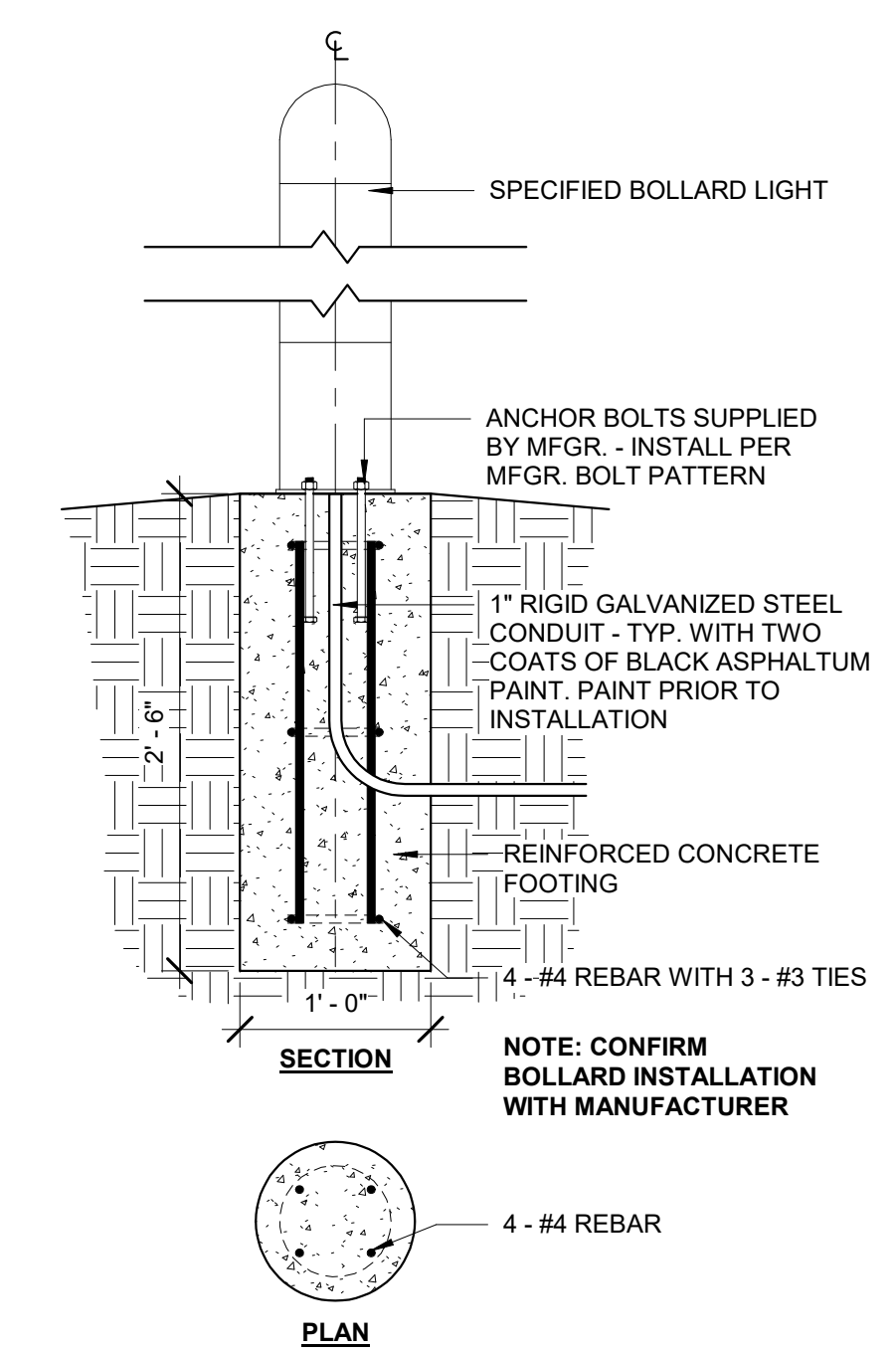
5 DUMPSTER FRONT ELEVATION  
 SCALE: 1/2" = 1'-0"



3 CMU BLOCK MECH. SCREEN DETAIL  
 SCALE: 3/4" = 1'-0"



2 LIGHT POLE BASE DETAIL  
 SCALE: 3/4" = 1'-0"



1 LIGHT BOLLARD DETAIL  
 SCALE: 1" = 1'-0"

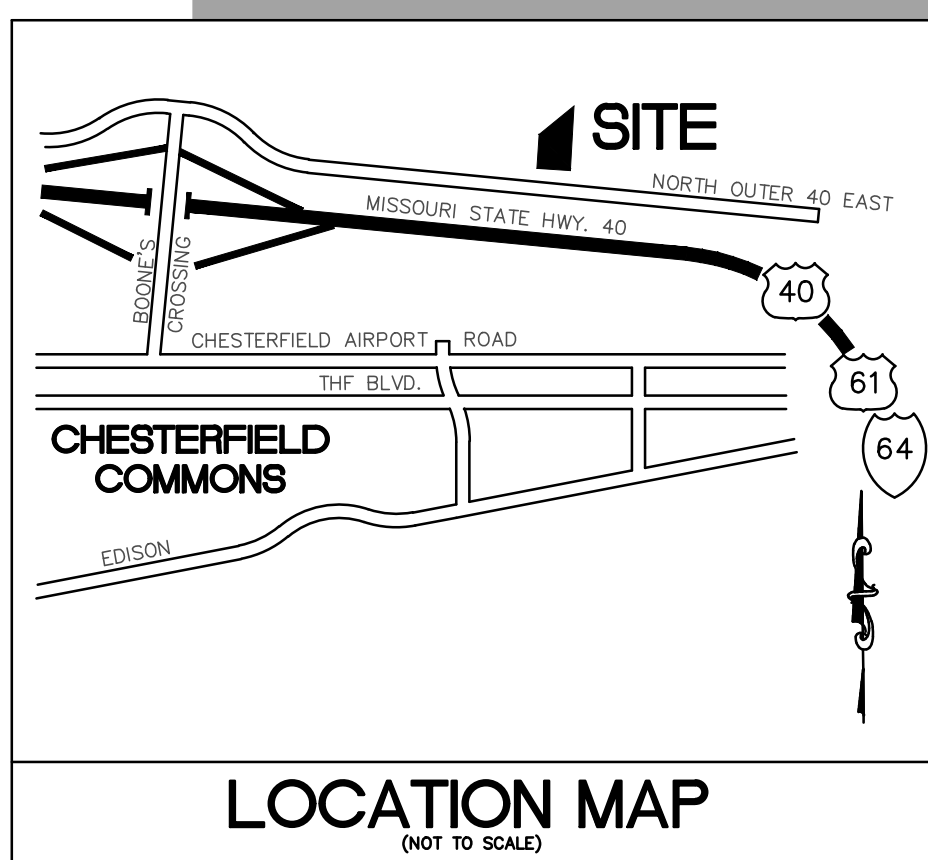


# SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING LOT A OF "SUMMIT-TOPGOLF SUBDIVISION" AS RECORDED IN PLAT BOOK 365, PAGES 300-301 AND PART OF U.S. SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN  
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

## ABBREVIATIONS

|          |                              |
|----------|------------------------------|
| ATG      | - ADJUST TO GRADE            |
| B.C.     | - BACK OF CURB               |
| C.O.     | - CLEANOUT                   |
| D.B.     | - DEED BOOK                  |
| E.       | - ELECTRIC                   |
| ELEV.    | - ELEVATION                  |
| EX.      | - EXISTING                   |
| F.C.     | - FACE OF CURB               |
| FL.      | - FLOWLINE                   |
| FT.      | - FEET                       |
| FND.     | - FOUND                      |
| G.       | - GAS                        |
| H.W.     | - HIGH WATER                 |
| LFB      | - LOW FLOW BLOCKED           |
| M.H.     | - MANHOLE                    |
| N/F      | - NOW OR FORMERLY            |
| P.B.     | - PLAT BOOK                  |
| P.G.     | - PAGE                       |
| PR.      | - PROPOSED                   |
| P.V.C.   | - POLYVINYL CHLORIDE PIPE    |
| R.C.P.   | - REINFORCED CONCRETE PIPE   |
| R/W      | - RIGHT-OF-WAY               |
| SQ.      | - SQUARE                     |
| T        | - TELEPHONE CABLE            |
| T.B.A.   | - TO BE ABANDONED            |
| T.B.R.   | - TO BE REMOVED              |
| T.B.R.R. | - TO BE REMOVED AND REPLACED |
| TYP.     | - TYPICALLY                  |
| U.I.P.   | - USE IN PLACE               |
| U.O.N.   | - UNLESS OTHERWISE NOTED     |
| V.C.P.   | - VITRIFIED CLAY PIPE        |
| W        | - WATER                      |
| (86'W)   | - RIGHT-OF-WAY WIDTH         |



LOCATION MAP  
(NOT TO SCALE)

## PERTINENT DATA

**LOT A**  
OWNER: SUMMIT ICE CENTER INVESTORS LLC  
OWNER UNDER CONTRACT: KING HOTELS  
LOT A AREA: 3.671 Acres ±  
EXISTING ZONING: "PC" PLANNED COMMERCIAL (ORD. #2932)  
SITE ADDRESS: 16875 NORTH OUTER 40 ROAD, CHESTERFIELD, MISSOURI 63005  
LOCATOR NO: 177510041  
WUNNERBERG'S: PG. 21, GRID 18FF  
MONARCH FIRE PROTECTION DISTRICT  
SCHOOL DISTRICT: ROCKWOOD  
SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.  
WATER SHED: MISSOURI RIVER  
FEMA MAP: 29189C0165K, FEB 4, 2015  
ELECTRIC COMPANY: AMEREN UE  
GAS COMPANY: SPIRE INC  
PHONE COMPANY: AT&T  
WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

## OPEN SPACE:

REQUIRED: 35.0% PER PC DISTRICT REGULATION  
PROVIDED: 45.86% (73,337 SF/159,929 SF)

## PARKING:

REQUIRED: PLEASE SEE UNIFIED DEVELOPMENT CODE SEC. 04-04  
HOTEL: 128 UNITS  
REQUIRED: 1.2 SPACES/UNIT  
1.2 SPACES/UNIT x 128 UNITS = 154 SPACES

TOTAL PROVIDED: 154 SPACES  
TOTAL PROVIDED: 130 SPACES (INCLUDES 6 ADA SPACES)

## F.A.R. CALCULATION

F.A.R. = 86,199 S.F. / 159,929 S.F. = 0.54  
FIRST FLOOR = 26,154 S.F.  
SECOND FLOOR = 20,015 S.F.  
THIRD FLOOR = 20,015 S.F.  
FOURTH FLOOR = 20,015 S.F.

## BUILDING AND PARKING SETBACKS

NORTH: 30' BUILDING AND 30' PARKING SETBACK  
EAST: 5' BUILDING AND 0' PARKING SETBACK  
SOUTH: 75' BUILDING AND 30' PARKING SETBACK  
WEST: 5' BUILDING AND 0' PARKING SETBACK

## GENERAL NOTES

1. BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
3. NO GRADE SHALL EXCEED 3:1 SLOPE.
4. GRADING AND STORM WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
5. STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
6. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
7. SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL EXPLORATION TITLED "RESIDENCE INN CHESTERFIELD, MISSOURI" DATED FEBRUARY 2018 AND ALL IRS SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
8. THERE IS A MINIMUM OPEN SPACE OF 35% AS REQUIRED BY THE PC DISTRICT REGULATIONS.
9. THERE IS A MAXIMUM F.A.R. OF 0.55 AS REQUIRED BY THE PC DISTRICT REGULATIONS.
10. SIGNAGE APPROVAL IS A SEPARATE PROCESS

## ST. LOUIS COUNTY STANDARD NOTES

1. ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
2. NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
3. STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
4. ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
5. ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
6. ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
7. ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH A CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE ST. LOUIS COUNTY AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.
8. PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.

PLAZA INN LLC, the owner under contract of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter \_\_\_\_\_

"PC" - Planned Commercial (present zoning) of the City of Chesterfield (applicable subsection)

Ordinance No. \_\_\_\_\_ 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 Planning Commission, or voided or vacated by order of ordinance of the City of Chesterfield Council.

## PLAZA INN, L.L.C.

by: \_\_\_\_\_  
STATE OF MISSOURI } SS.  
COUNTY OF ST. LOUIS }

On this \_\_\_\_\_ day of \_\_\_\_\_, 2018, before me personally appeared \_\_\_\_\_, who being by me duly sworn, did say he is the \_\_\_\_\_ of \_\_\_\_\_ and that said instrument was signed on behalf of said limited liability company, and that said \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said limited liability company.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public

Print Name

My commission expires: \_\_\_\_\_

## GEOTECHNICAL ENGINEER'S STATEMENT

SCI ENGINEERING, INC., at the request of Plaza Inn, LLC, has performed a geotechnical exploration for the property of which the project proposed hereon is a part thereof. Our findings indicated that the earth related aspects are suitable for the development proposed hereon pursuant to the geotechnical recommendations and considerations set forth in our February 2018 report, titled "RESIDENCE INN CHESTERFIELD, MISSOURI - SCI NO. 2018-0062.10" and all addendums.

SCI ENGINEERING, INC.

Timothy J. Barrett, P.E.

Date



This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the day of \_\_\_\_\_, 2018, by the Chairperson of said Commission, authorizing the recording of this Amended Site Development Section Plan pursuant to Chesterfield Ordinance No. 200, as attested to by the Planning and Development Services Director and the City Clerk.

By: Justin Wyse, Director of Planning and Development Services

By: Vickie Hoss, City Clerk



## SURVEYOR'S CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Amended Site Development Section Plan from a field survey and does not represent a property boundary survey. The information shown is a correct representation of all existing and proposed land divisions.

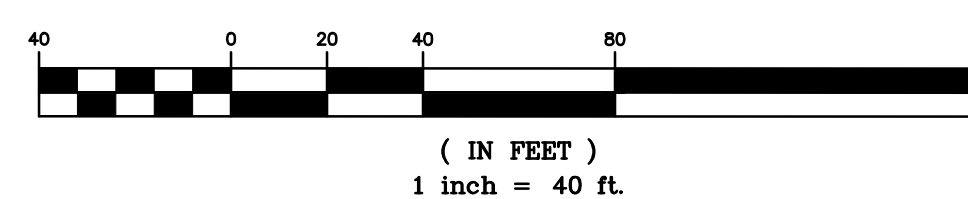
STOCK AND ASSOCIATES CONSULTING ENGINEERS INC.  
L.S. No. 222-D

DANIEL EHLMANN, MISSOURI P.L.S. NO. 2215

## SHEET INDEX

- SDSP-1 - SITE DEVELOPMENT SECTION PLAN
- SDSP-2 - PHOTOMETRIC PLAN
- L-1 - LANDSCAPE PLAN
- A201-A202 - ARCHITECTURE ELEVATIONS

## GRAPHIC SCALE



## FIRM 29189C0165K

SUBJECT PROPERTY LIES WITHIN FLOOD ZONES "SHADED X" & "AH". "AH" (BASE FLOOD ELEVATION 457) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS. THE MAP IS IDENTIFIED AS MAP NO. 29189C0165K, WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015.

100 YR. H.W. ELEV. - MO RIVER: 465.71 (466.00) - HEC RAS MODEL 10/97

500 YR. H.W. ELEV. - MO RIVER: 468.00 (MILE 40) - FROM UPPER MISSISSIPPI (FLOW FREQUENCY STUDY- BY THE U.S. ARMY CORP. OF ENGINEERS, DATED MARCH 2004

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY WITH COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

## SITE BENCHMARK

#12-166  
ELEV.=458.86

"STANDARD ALUMINUM DISK" STAMPED SL-32, 1990. DISK IS SET IN BETWEEN THE HWY I-64 NORTH OUTER ROAD AND THE WEST BOUND HWY. I-64; 19' SOUTH OF THE CENTERLINE OF THE NORTH BOUND LANE HWY. I-64, APPROXIMATELY 0.5 MILES EAST OF THE INTERSECTION OF BOONES CROSSING ROAD AND NORTH OUTER ROAD. (SL-32 WAS RESET FROM UNDERGROUND POSITION. THIS IS A NEW ELEVATION SET IN JULY 2002.) AS SHOWN HEREON

## PREPARED FOR:

PLAZA INN, LLC  
ATTENTION: MR. JAY KOSHIIYA  
1645 SWIFT AVE  
NORTH KANSAS CITY, MO 64116

PREPARED BY:

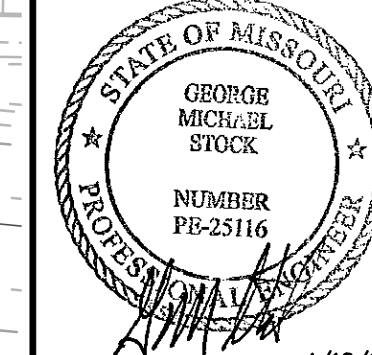
STOCK & ASSOCIATES  
Consulting Engineers, Inc.

257 Chesterfield Business Parkway  
St. Louis, MO 63005 PH: (636)  
530-9100 FAX (636) 530-9100  
e-mail: general@stockassoc.com  
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:

RESIDENCE INN

LOT A  
CITY OF CHESTERFIELD, MISSOURI 63005



4/18/18  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

## REVISIONS:

1. 3/19/18 CITY COMMENTS
2. 3/26/18 PHOTOMETRIC
3. 4/18/18 CITY COMMENTS

DRAWN BY: K.S.G. CHECKED BY: G.M.S.  
DATE: 01/09/2018 JOB NO: 217-6191.1  
M.S.D. P.#: BASE MAP # 177  
S.L.C. H&T # H&T S.U.P. #  
M.D.N.R. #

SHEET TITLE:  
SITE DEVELOPMENT  
SECTION PLAN

SHEET NO.:  
SDSP-1.0

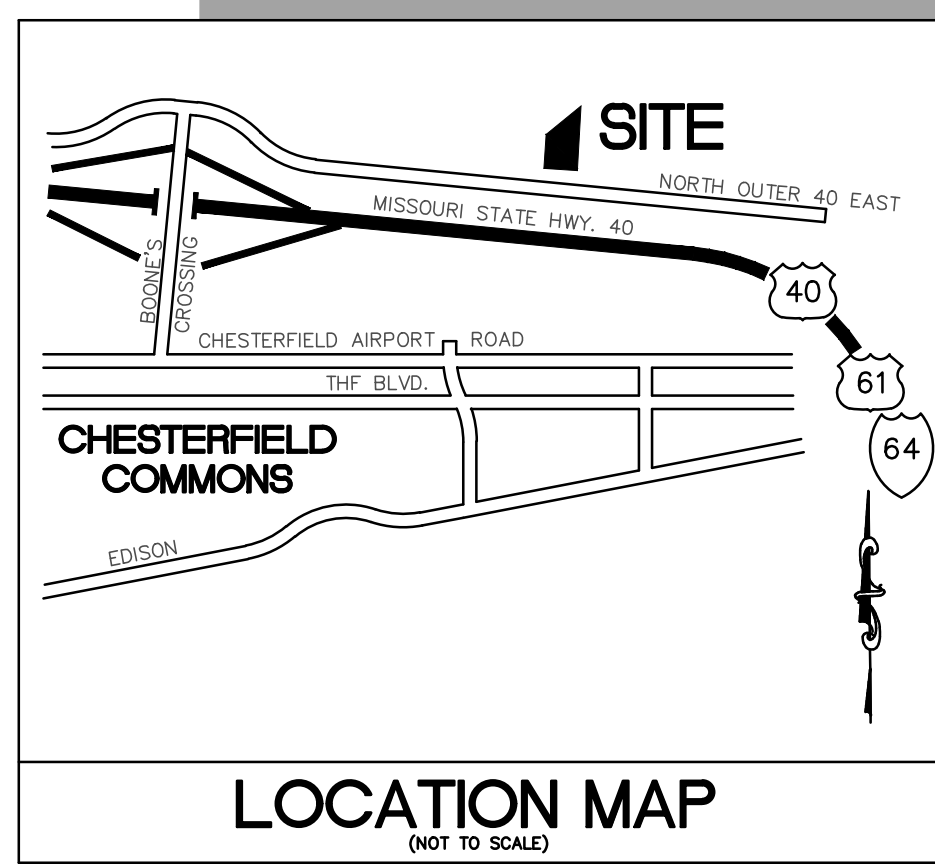


# COLOR SITE PLAN

A TRACT OF LAND BEING LOT A OF "SUMMIT-TOPGOLF SUBDIVISION" AS RECORDED IN PLAT BOOK 365, PAGES 300-301 AND PART OF U.S. SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN  
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

## ABBREVIATIONS

- ATG - ADJUST TO GRADE
- B.C. - BACK OF CURB
- C.O. - CLEANOUT
- DB. - DEED BOOK
- E. - ELECTRIC
- ELEV. - ELEVATION
- EX. - EXISTING
- F.C. - FACE OF CURB
- FL. - FLOWLINE
- FT. - FEET
- FND. - FOUND
- G. - GAS
- H.W. - HIGH WATER
- LFB. - LOW FLOW BLOCKED
- M.H. - MANHOLE
- N/F. - NOW OR FORMERLY
- PL. - PLAT BOOK
- PG. - PAGE
- PR. - PROPOSED
- P.V.C. - POLYVINYL CHLORIDE PIPE
- R.C.P. - REINFORCED CONCRETE PIPE
- R/W. - RIGHT-OF-WAY
- SQ. - SQUARE
- T. - TELEPHONE CABLE
- T.A. - TO BE ABANDONED
- T.B.R. - TO BE REMOVED
- T.B.R.&R. - TO BE REMOVED AND REPLACED
- TYP. - TYPICALLY
- U.I.P. - USE IN PLACE
- U.O.N. - UNLESS OTHERWISE NOTED
- V.C.P. - VITRIFIED CLAY PIPE
- W. - WATER
- (86'W) - RIGHT-OF-WAY WIDTH



LOCATION MAP  
(NOT TO SCALE)

## PERTINENT DATA

**LOT A**  
OWNER: SUMMIT ICE CENTER INVESTORS LLC  
OWNER UNDER CONTRACT: KMG HOTELS  
LOT A AREA: 3.671 Acres ±  
EXISTING ZONING: "Pc" PLANNED COMMERCIAL (ORD. #2932)  
SITE ADDRESS: 16875 NORTH OUTER 40 ROAD, CHESTERFIELD, MISSOURI 63005

LOCATOR NO: 17T510041  
PG. 21, GRID 18FF  
MONARCH FIRE PROTECTION DISTRICT  
ROCKWOOD  
METROPOLITAN ST. LOUIS SEWER DIST.  
MISSOURI RIVER  
29189C0165K, FEB 4, 2015  
FEMA MAP:  
ELECTRIC COMPANY: AMEREN UE  
GAS COMPANY: LACLEDE GAS COMPANY  
PHONE COMPANY: AT&T  
WATER COMPANY: MISSOURI AMERICAN WATER COMPANY

## LEGEND

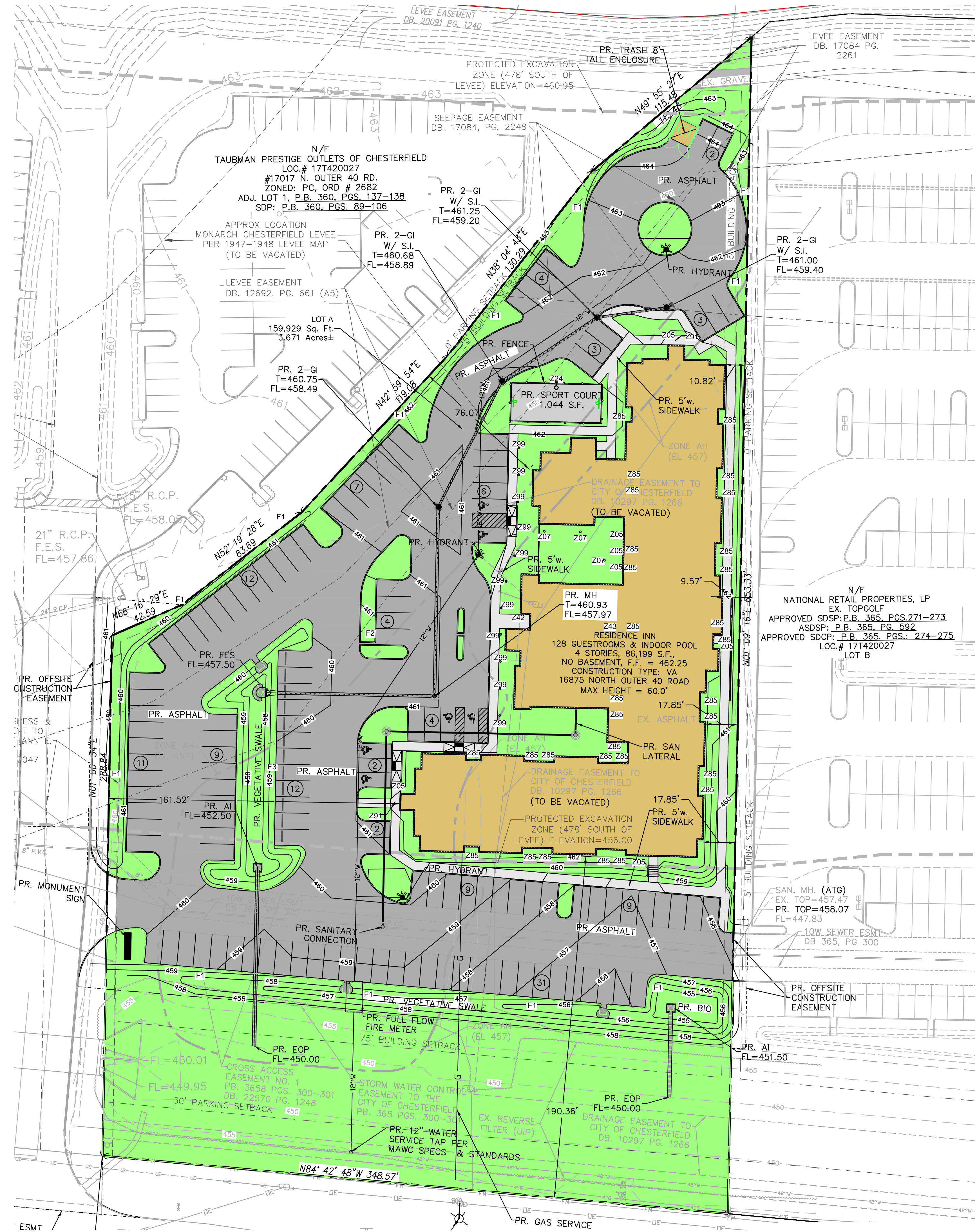
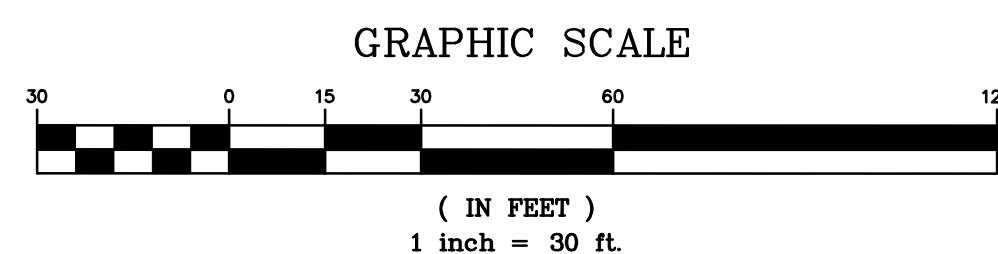
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING TREE
- EXISTING BUILDING
- EXISTING CONTOUR
- SPOT ELEVATION
- EXISTING UTILITIES
- FOUND 1/2" IRON PIPE
- SET IRON PIPE
- FOUND CROSS
- FOUND STONE
- FIRE HYDRANT
- LIGHT STANDARD
- BUSH
- SIGN
- NOTES PARKING SPACES
- GUY WIRE
- POWER POLE
- WATER VALVE
- DENOTES RECORD INFORMATION
- ACCESSIBLE PARKING
- PROPOSED CONTOUR
- PROPOSED SPOT
- PROPOSED STORM
- PROPOSED SANITARY

## SITE BENCHMARK

#12-166  
ELEV. = 458.86

"STANDARD ALUMINUM DISK" STAMPED SL-32, 1990. DISK IS SET IN BETWEEN THE HWY I-64 NORTH OUTER ROAD AND THE WEST BOUND HWY. I-64; 19' SOUTH OF THE CENTERLINE OF THE NORTH BOUND LANE HWY. I-64, APPROXIMATELY 0.5 MILES EAST OF THE INTERSECTION OF BOONES CROSSING ROAD AND NORTH OUTER ROAD. (SL-32 WAS RESET FROM UNDERGROUND POSITION. THIS IS A NEW ELEVATION SET IN JULY 2002.) AS SHOWN HEREON

PREPARED FOR:  
PLAZA INN, LLC  
ATTENTION: MR. JAY KOSHIIYA  
1645 SWIFT AVE  
NORTH KANSAS CITY, MO 64116



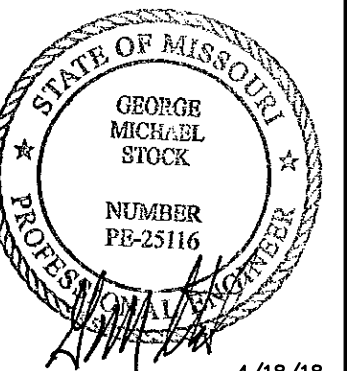
PREPARED BY:

**STOCK & ASSOCIATES**  
Consulting Engineers, Inc.

SITE DEVELOPMENT SECTION PLAN FOR:

# RESIDENCE INN

LOT A  
CITY OF CHESTERFIELD, MISSOURI 63005



4/18/18  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

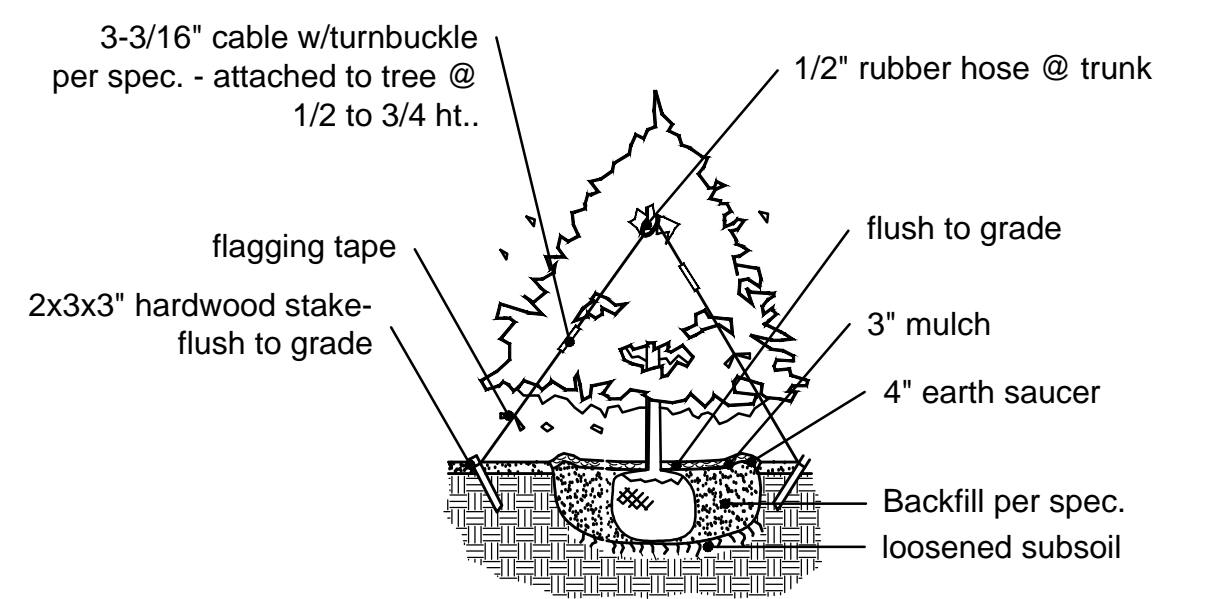
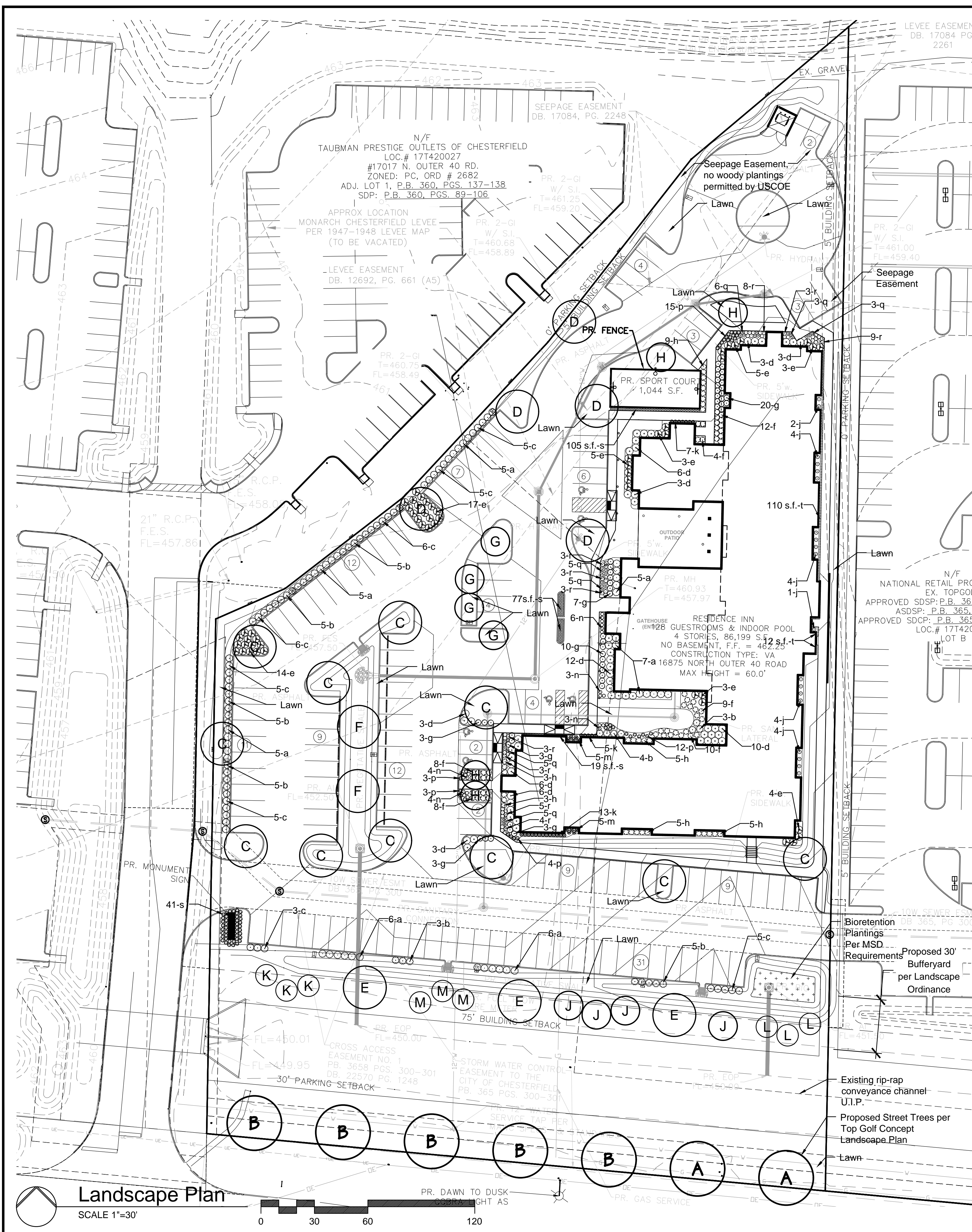
- REVISIONS:
1. 3/19/18 CITY COMMENTS
  2. 3/26/18 PHOTOMETRIC
  3. 4/18/18 CITY COMMENTS

DRAWN BY: K.S.G. CHECKED BY: G.M.S.  
DATE: 01/09/2018 JOB NO: 217-6191.1  
M.S.D. P. # BASE MAP # 177  
S.L.C. H&T # H&T S.U.P. #  
M.D.N.R. #

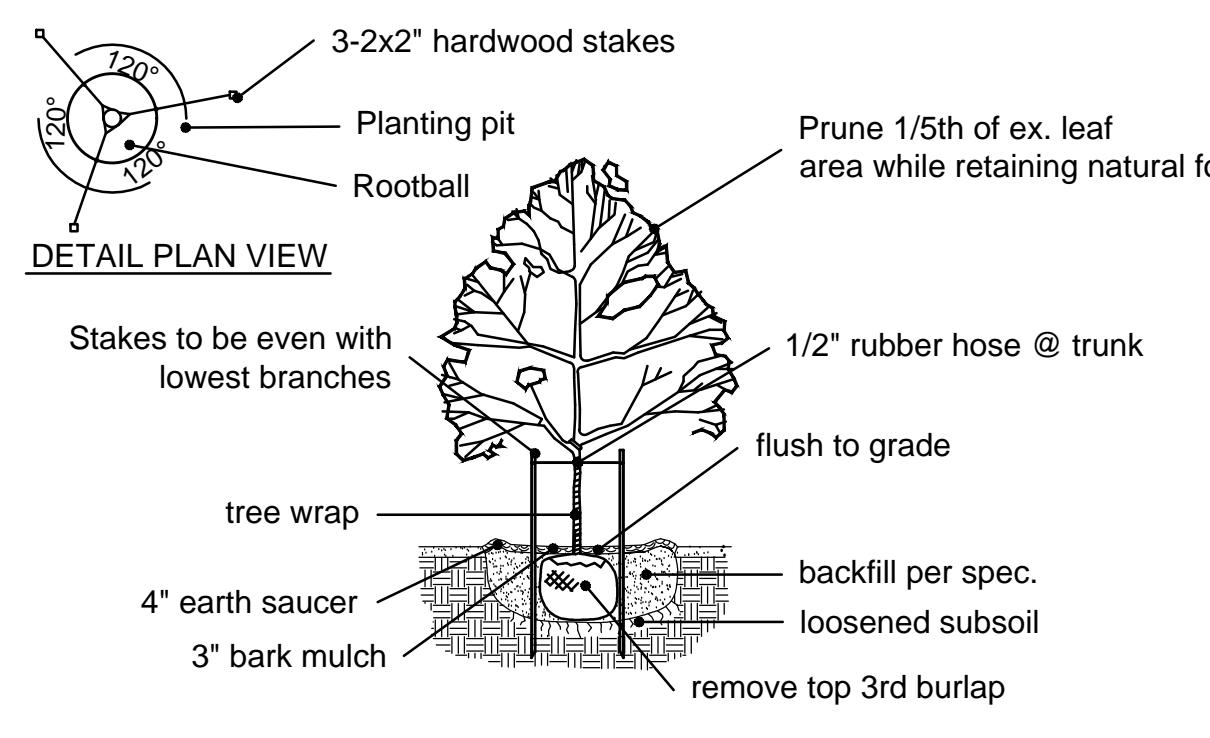
SHEET TITLE:  
COLOR SITE PLAN

SHEET NO.: C1.0

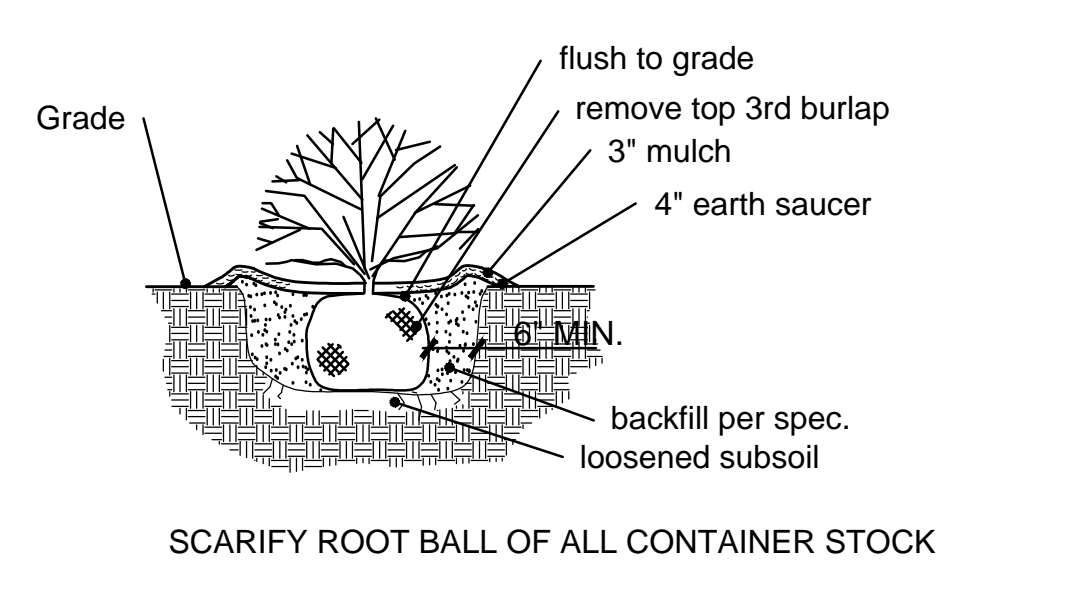




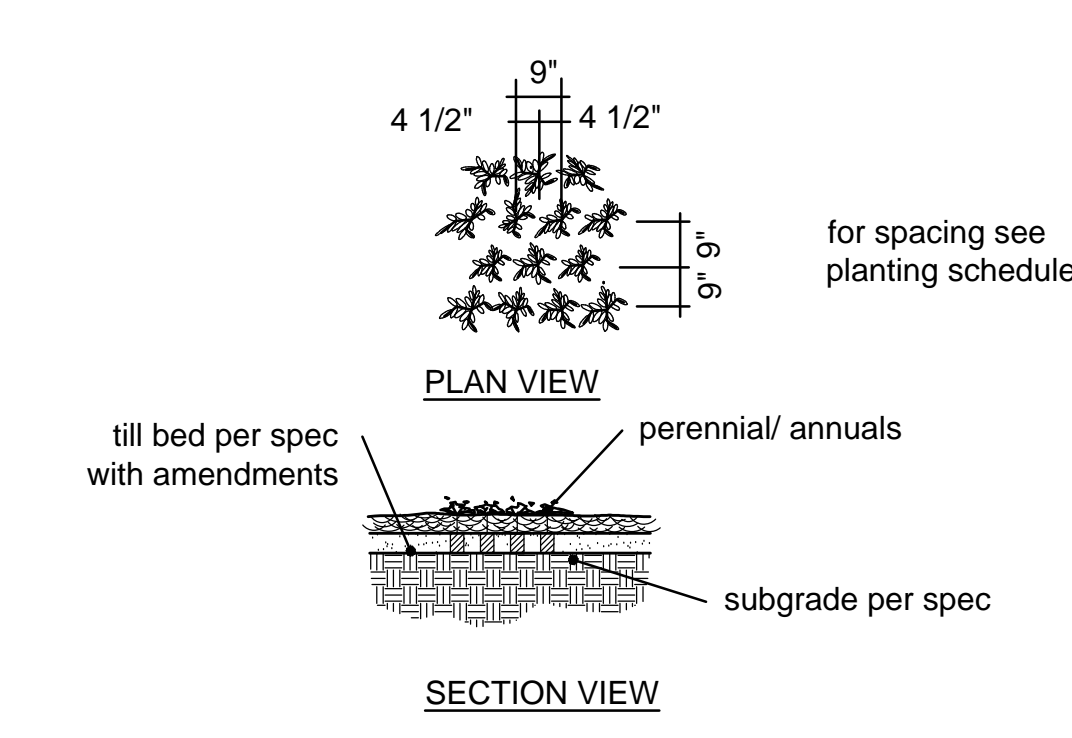
TYPICAL EVERGREEN PLANTING



CANOPY TREE PLANTING



TYPICAL SHRUB PLANTING

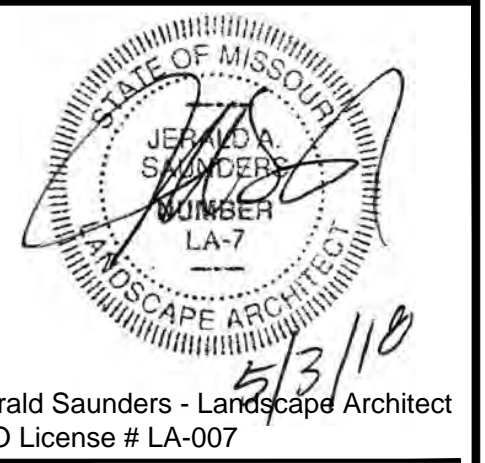


TYPICAL PERENNIAL PLANTING

| PLANTING SCHEDULE                                    |          |  |                                  |           |           |                  |                           |      |  |  |
|--|----------|--|----------------------------------|-----------|-----------|------------------|---------------------------|------|--|--|
| SYMBOL   | QUANTITY | BOTANICAL NAME                                     | COMMON NAME                      | SIZE      | REMARKS   | SIZE/GROWTH RATE | SLOW/MEDIUM GROWTH RATE % |      |  |  |
| <b>CANOPY-SHADE TREES</b>                            |          |  |                                  |           |           |                  |                           |      |  |  |
| A  | 2        | <i>Carpinus betula</i>                             | European Hornbeam                | 2.5" cal. | B&B       | Med/Slow-M       | 4 %                       |      |  |  |
| B  | 5        | <i>Quercus acutissima</i>                          | Sawtooth Oak                     | 2.5" cal. | B&B       | Lg/Med           | 10 %                      |      |  |  |
| C  | 11       | <i>Acer x Freemanii 'Armstrong'</i>                | Armstrong Maple                  | 2.5" cal. | B&B       | Lg/Fast          |                           |      |  |  |
| D  | 5        | <i>Zelkova serrata 'Green Vase'</i>                | Green Vase Zelkova               | 2.5" cal. | B&B       | Lg/Fast          |                           |      |  |  |
| E  | 3        | <i>Quercus bicolor</i>                             | Swamp White Oak                  | 2.5" cal. | B&B       | Lg/Med           | 6 %                       |      |  |  |
| F  | 2        | <i>Ostrya virginiana</i>                           | Hophornbeam                      | 2.5" cal. | B&B       | Med/Slow-M       | 4 %                       |      |  |  |
| <b>UNDERSTORY-ORNAMENTAL TREES</b>                   |          |  |                                  |           |           |                  |                           |      |  |  |
| G  | 4        | <i>Carpinus caroliniana</i>                        | American Hornbeam                | 2.5" cal. | B&B       | Small/Med        | 8 %                       |      |  |  |
| H  | 4        | <i>Prunus sargentii 'Columnaris'</i>               | Columnar Sargent Cherry          | 2.5" cal. | B&B       | Med/Med          | 8 %                       |      |  |  |
| J  | 4        | <i>Amelanchier grandiflora 'Autumn Brilliance'</i> | Autumn Brilliance Serviceberry   | 2.5" cal. | B&B       | Med/Slow-M       | 8 %                       |      |  |  |
| <b>EVERGREEN TREES</b>                               |          |  |                                  |           |           |                  |                           |      |  |  |
| K  | 3        | <i>Picea glauca</i>                                | White Spruce                     | 6' h.     | B&B       | Med/M-Fast       |                           |      |  |  |
| L  | 3        | <i>Picea abies</i>                                 | Norway Spruce                    | 6' h.     | B&B       | Lg/M-Fast        |                           |      |  |  |
| M  | 3        | <i>Pinus strobus</i>                               | White Pine                       | 6' h.     | B&B       | Lg/Fast          |                           |      |  |  |
|  |          |  |                                  |           |           |                  | Total                     | 48 % |  |  |
| <b>SHRUBS-GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER</b> |          |  |                                  |           |           |                  |                           |      |  |  |
| a  | 39       | <i>Ilex glabra</i>                                 | Inkberry                         | 24"       | Container |                  |                           |      |  |  |
| b  | 35       | <i>Syringa meyeri 'Palibin'</i>                    | Korean Lilac                     | 24"       | Container |                  |                           |      |  |  |
| c  | 40       | <i>Spiraea japonica 'Anthony Waterer'</i>          | Anthony Waterer Spirea           | 24"       | Container |                  |                           |      |  |  |
| d  | 55       | <i>Buxus sempervirens 'Vardar Valley'</i>          | Vardar Valley Boxwood            | 24"       | Container |                  |                           |      |  |  |
| e  | 54       | <i>Ceanothus americanus</i>                        | New Jersey Tea                   | 24"       | Container |                  |                           |      |  |  |
| f  | 51       | <i>Spiraea nipponica 'Snowmound'</i>               | Snowmound Spirea                 | 24"       | Container |                  |                           |      |  |  |
| g  | 49       | <i>Fothergilla gardenii</i>                        | Dwarf Fothergilla                | 24"       | Container |                  |                           |      |  |  |
| h  | 30       | <i>Abelia x grandiflora 'Kaleidoscope'</i>         | Kaleidoscope Abelia              | 18"       | Container |                  |                           |      |  |  |
| j  | 19       | <i>Rhus aromatica 'Gro-Low'</i>                    | Gro-Low Fragrant Sumac           | 18"       | Container |                  |                           |      |  |  |
| k  | 25       | <i>Calamagrostis x acutiflora 'Karl Foerster'</i>  | Karl Foerster Feather Reed Grass | 1 gal.    | Container |                  |                           |      |  |  |
| m  | 10       | <i>Panicum virgatum 'Heavy Metal'</i>              | Heavy Metal Switchgrass          | 1 gal.    | Container |                  |                           |      |  |  |
| n  | 20       | <i>Pennisetum alopecuroides 'Hamel'</i>            | Hamel Fountain Grass             | 1 qt.     | Container |                  |                           |      |  |  |
| p  | 37       | <i>Sporobolus heterolepis 'Tara'</i>               | Tara Prairie Dropseed            | 2 qt.     | Container |                  |                           |      |  |  |
| q  | 32       | <i>Leucanthemum x superbum 'Crazy Daisy'</i>       | Crazy (Shasta) Daisy             | 2 qt.     | 24" o.c.  |                  |                           |      |  |  |
| r  | 44       | <i>Achillea 'Coronation Gold'</i>                  | Coronation Gold Yarrow           | 2 qt.     | 24" o.c.  |                  |                           |      |  |  |
| s  | 223 s.f. | <i>Iberis sempervirens</i>                         | Candytuft                        | 1 qt.     | 12" o.c.  |                  |                           |      |  |  |
| t  | 122 s.f. | <i>Liriope spicata</i>                             | Liriope                          | 1 qt.     | 12" o.c.  |                  |                           |      |  |  |

Open Space = 45.86%

Note: All new landscape shall be irrigated with an automatic underground sprinkler system per the City of Chesterfield Unified Code Section 04-02.



Consultants:

Residence Inn

Lot A, City of Chesterfield, Missouri 63005

| Date    | Description   | No. |
|---------|---------------|-----|
| 2/27/18 | City Comments | 1   |
| 4/17/18 | City Comments | 2   |
| 5/3/18  | Plan Changes  | 3   |

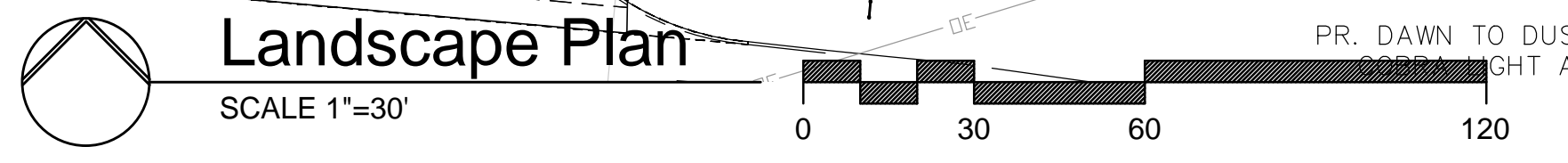
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Checked: RS

**loomisAssociates**

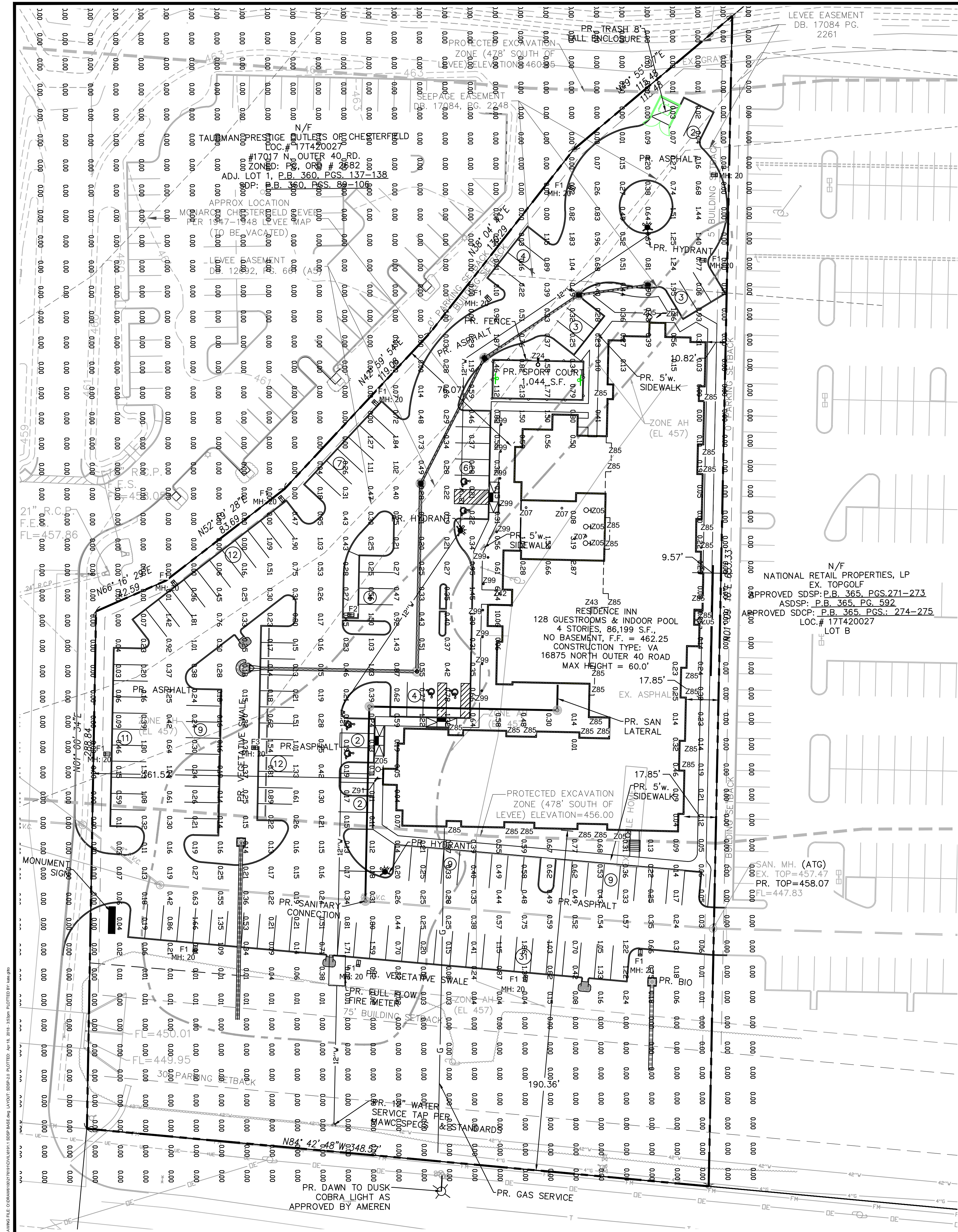
landscape architects/planners  
707 Spirit of Park Drive, Suite 105  
St. Louis, MO 63105  
P: 314.565.5555 Fax: 314.565.5577  
E: info@loomis-associates.com

Loomis Associates Inc.  
Missouri State Certificate of Authority #: LAC #000191

|              |                |
|--------------|----------------|
| Sheet Title: | Landscape Plan |
| Sheet No:    | L-1            |
| Date:        | 1/12/18        |
| Job #:       | 813.063        |

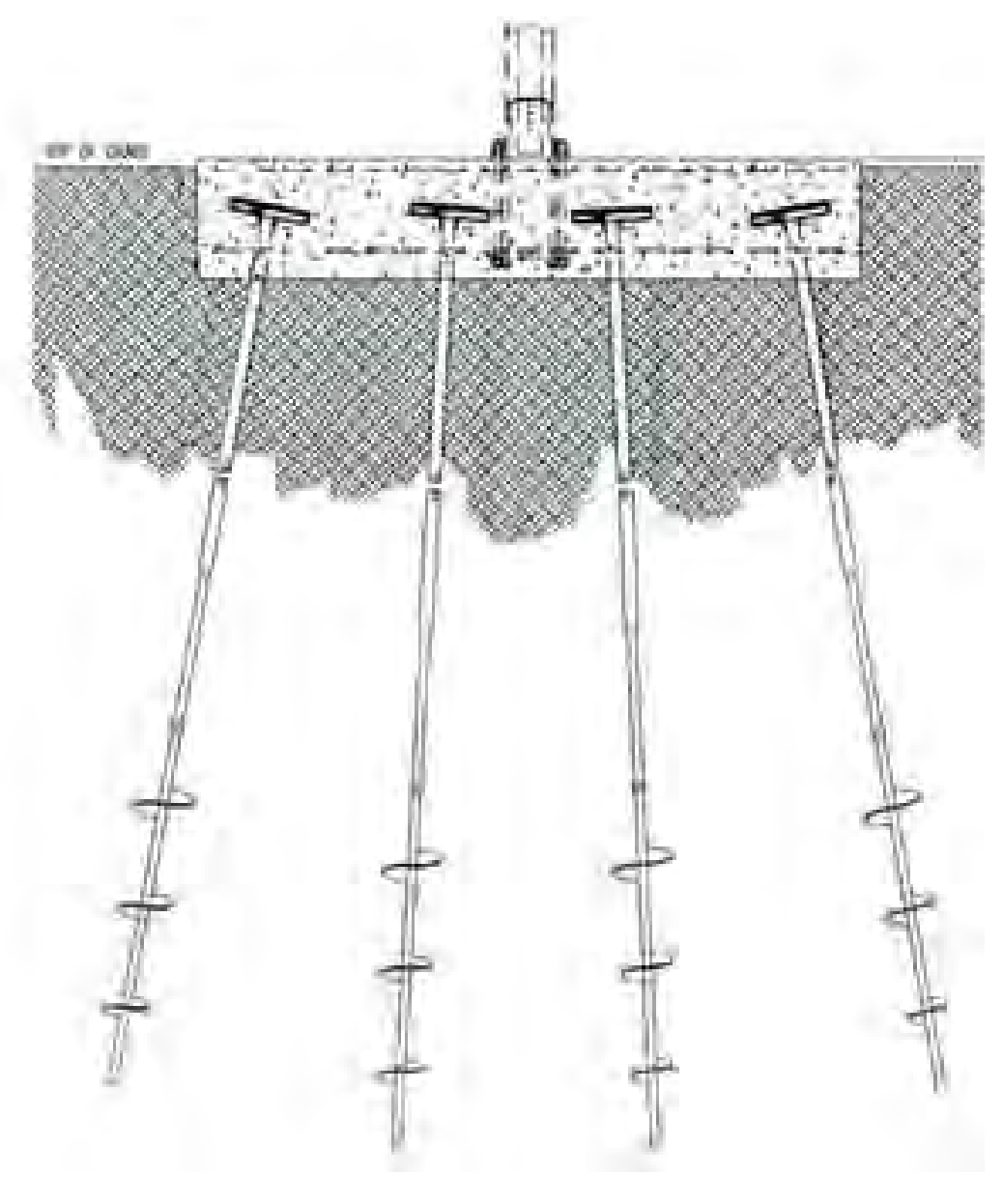
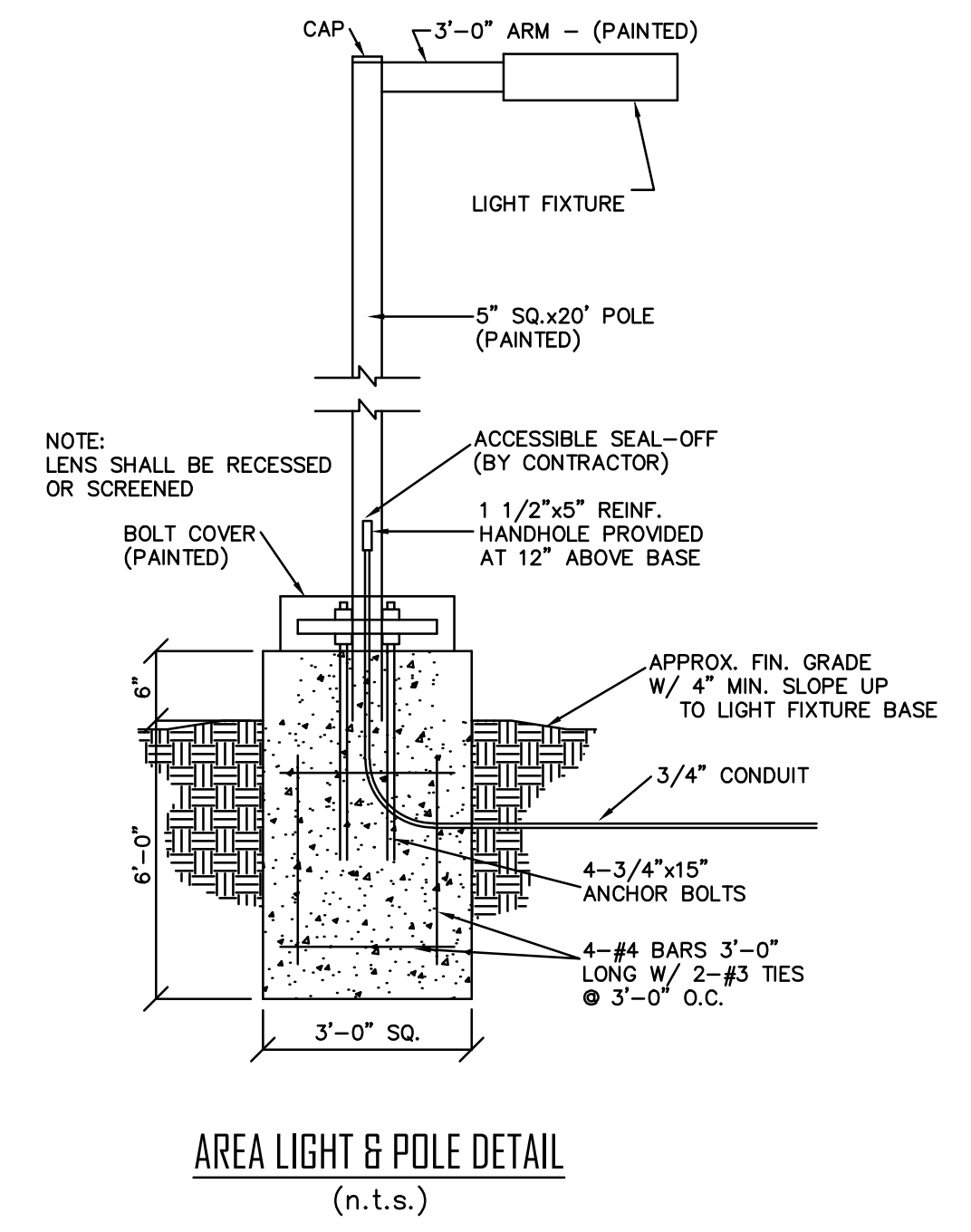




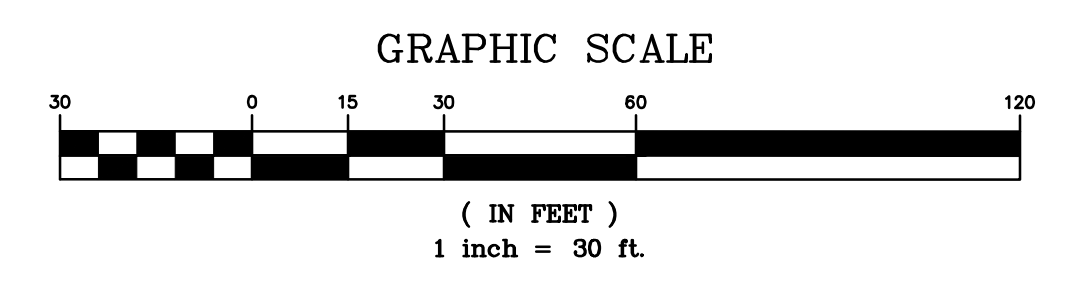


| Symbol | Type | Quantity | Article number | Article name     | Equipment  |
|--------|------|----------|----------------|------------------|--|
| ○      | Z05  | 07       | 49623BKTLED    | Amber Vallye     | 1x Sconce LIGHT LED 17W                            |
| ○      | Z07  | 03       | 49625BKTLED    | Lantern          | 1x Decorative LIGHT LED 17W                        |
| ○      | Z24  | 01       | LI-FLDF050-XYZ | ELENDRA - 50W -3 | 1x AREA LIGHT LED 50W - Type 4 without Back Shield |
| ■      | Z42  | 01       | CL914          | Exterior Pendant | 1x Exterior Pendant 51W                            |
| ■      | Z43  | 01       | CLK913         | Exterior Pendant | 1x Exterior Pendant 75W                            |
| ●      | Z85  | 30       | IL-D536        | LED Downlight    | 1x Downlight 20W LED                               |
| ○      | Z91  | 02       | NHM-612        | LED Downlight    | 1x Downlight 1250 lm LED                           |
| ○      | Z99  | 11       | IL-C13BS       | LED BOLLARD      | 1x LED BOLLARD 25W                                 |
| □      | F1   | 12       | LI-FLDF050-XYZ | ELENDRA - 50W -3 | 1x AREA LIGHT LED 50W - Type 4 with Back Shield    |
| □      | F2   | 1        | LI-FLDF050-XYZ | ELENDRA - 50W -3 | 1x AREA LIGHT LED 50W - Type 3 without Back Shield |
| □      | F3   | 1        | LI-FLDF050-XYZ | ELENDRA - 50W -4 | 1x AREA LIGHT LED 50W - Type 4 without Back Shield |

| ILLUMINANCE   |                     |                     |                     |         |         |
|---------------|---------------------|---------------------|---------------------|---------|---------|
| AREA          | AVERAGE ILLUMINANCE | MINIMUM ILLUMINANCE | MAXIMUM ILLUMINANCE | AVG/MIN | MAX/MIN |
| ENTIRE SITE   | 0.20                | 0.00                | 10.10               | NA      | NA      |
| PAVEMENT AREA | 0.52                | 0.11                | 2.08                | 4.72    | 18.90   |



**NOTE:**  
PARKING LIGHTING WILL NOT BE LOWER THAN 10 FEET ABOVE GRADE AND MOUNTING HEIGHTS OF LIGHTING FIXTURES SHALL NOT EXCEED 20 FEET.



PREPARED BY:  
**STOCK & ASSOCIATES**  
Consulting Engineers, Inc.  
257 Chesterfield Business Parkway  
St. Louis, MO 63005 PH: (636) 530-9100 FAX: (636) 530-9100  
e-mail: general@stockassoc.com  
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:  
**RESIDENCE INN**  
LOT A  
CITY OF CHESTERFIELD, MISSOURI 63005

STATE OF MISSOURI  
GEORGE MICHAEL STOCK  
NUMBER PB-25116  
4/18/18  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

REVISIONS:  
1. 3/19/18 CITY COMMENTS  
2. 3/26/18 PHOTOMETRIC  
3. 4/18/18 CITY COMMENTS

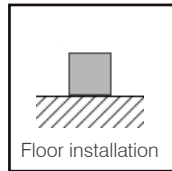
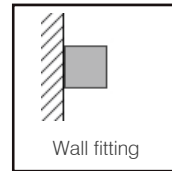
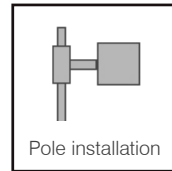
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DATE: 01/09/2018 JOB NO: 217-6191.1  
M.S.D. # # BASE MAP # 177  
S.L.C. H&T # # H&T S.U.P. # #  
M.D.N.R. # #

SHEET TITLE:  
PHOTOMETRIC PLAN  
SHEET NO.:  
SDSP-2.0



**DESCRIPTION**

ALVA series family of area lighting evenly aluminate building facade, sports arenas and stadium lighting. Patented modern slim design is stylish, with better cooling system, and high lumen efficiency. These fixture are rated for wet location and are offered in various mounting options.



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

**ORDERING INFORMATION**

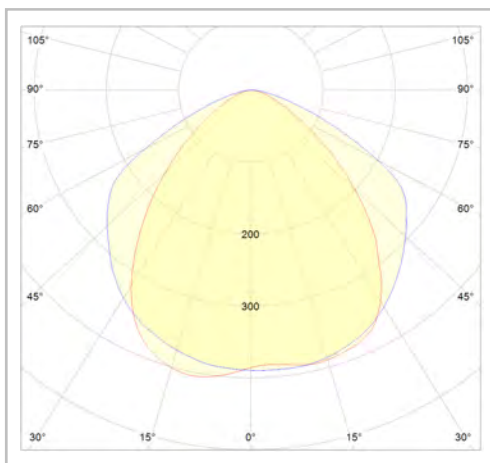
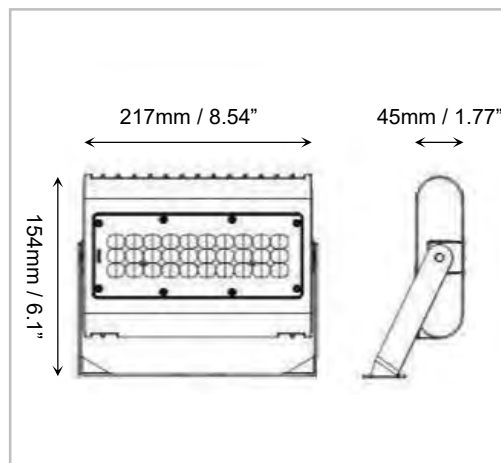
| Model          | Watts | Lumen | Optic        | Color Temp. | CRI | Optional     | Finish color |
|----------------|-------|-------|--------------|-------------|-----|--------------|--------------|
| LI-FLDF050-XYZ | 50    | 4900  | A = 120 x 90 | 1 = 5000K   | 80  | 1 = Dimmable | BR           |

B = Type 3  
C = Type 4

Project name:



- Material: Sturdy powder coated aluminum housing. Salt mist resistance & anti aging. High thermal conductivity. High efficient reflector and diffuser. UV & Fire resistant high out put PC lenses.
- Led type: Phillips chips.
- Electrical: 120~ 277Vac, 50/60Hz Driver included.
- Power factor:  $\geq 90\%$
- Led efficiency: 130 lm/W
- Color temperature: 5000K
- Operation temperature:  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$
- Color Rendering Index (CRI):  $\geq 80$
- THD%:  $< 20\%$
- IP Rating: IP65



Project name:



FIXTURE ACCESSORIES

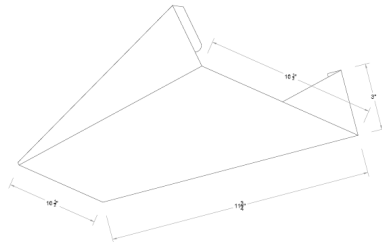
M1 = Straight Arm Mount



M2 = Slip Fitter



M3 = Back Shield



Ordering Example:  
LI-FLDF050-XYZ-YK-50-C-1-1-BR-M1 + M3

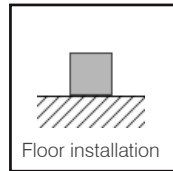
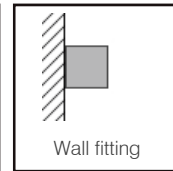
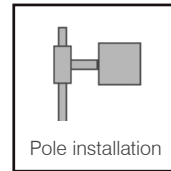
Project name:





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|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

**ORDERING INFORMATION**

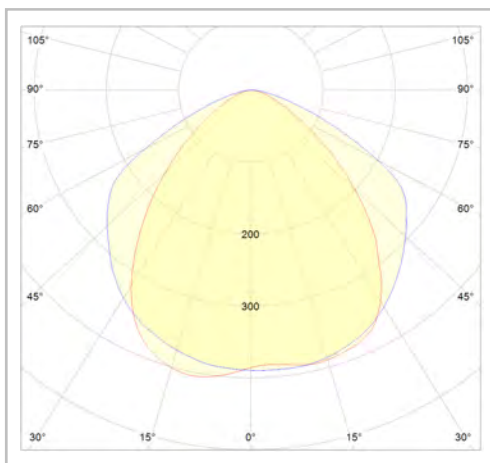
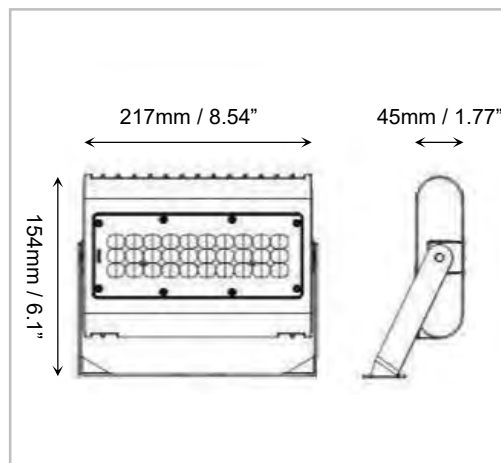
| Model          | Watts | Lumen | Optic        | Color Temp. | CRI | Optional     | Finish color |
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- THD%:  $< 20\%$
- IP Rating: IP65



Project name:





FIXTURE ACCESSORIES

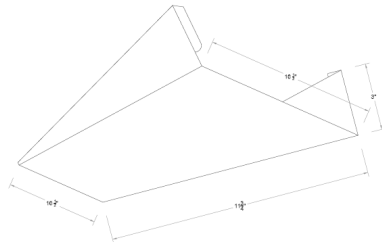
M1 = Straight Arm Mount



M2 = Slip Fitter



M3 = Back Shield



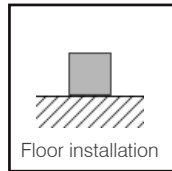
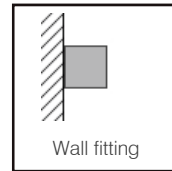
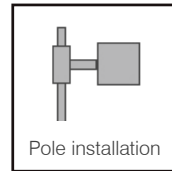
Ordering Example:  
 LI-FLDF050-XYZ-YK-50-B-1-1-BR-M1 + M3

Project name:



**DESCRIPTION**

ALVA series family of area lighting evenly aluminate building facade, sports arenas and stadium lighting. Patented modern slim design is stylish, with better cooling system, and high lumen efficiency. These fixture are rated for wet location and are offered in various mounting options.



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

**ORDERING INFORMATION**

| Model          | Watts | Lumen | Optic        | Color Temp. | CRI | Optional     | Finish color |
|----------------|-------|-------|--------------|-------------|-----|--------------|--------------|
| LI-FLDF050-XYZ | 50    | 4900  | A = 120 x 90 | 1 = 5000K   | 80  | 1 = Dimmable | BR           |

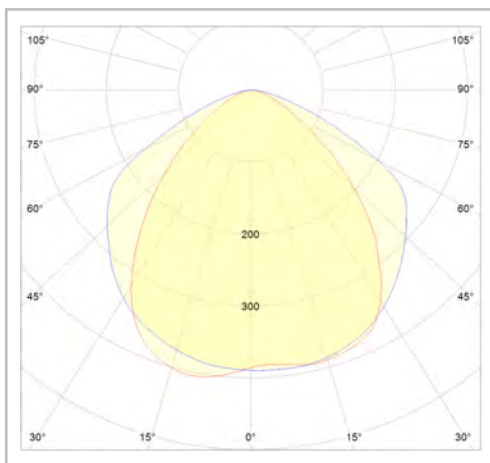
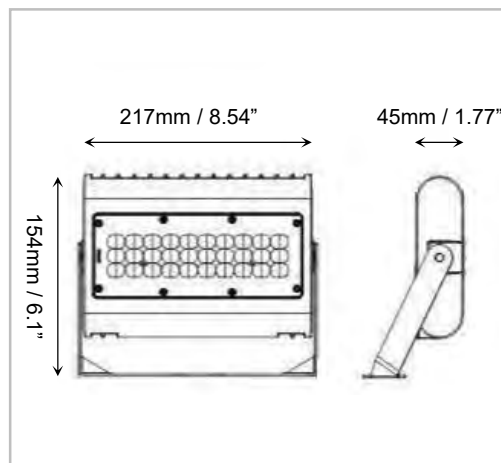
B = Type 3  
C = Type 4

Project name:





- Material: Sturdy powder coated aluminum housing. Salt mist resistance & anti aging. High thermal conductivity. High efficient reflector and diffuser. UV & Fire resistant high out put PC lenses.
- Led type: Phillips chips.
- Electrical: 120~ 277Vac, 50/60Hz Driver included.
- Power factor:  $\geq 90\%$
- Led efficiency: 130 lm/W
- Color temperature: 5000K
- Operation temperature:  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$
- Color Rendering Index (CRI):  $\geq 80$
- THD%:  $< 20\%$
- IP Rating: IP65



Project name:



FIXTURE ACCESSORIES

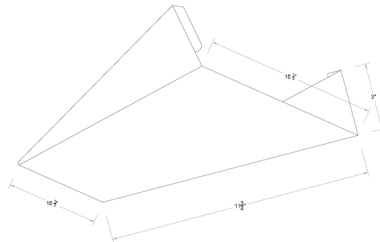
M1 = Straight Arm Mount



M2 = Slip Fitter



M3 = Back Shield



Ordering Example:  
 LI-FLDF050-XYZ-YK-50-C-1-1-BR-M1

Project name:





Amber Valley Collection  
 Amber Valley LED Wall Lantern in BKT  
 49623BKTLED (Textured Black)

Project Name: Residence Inn  
 Location: Chesterfield, MO  
 Type: Z05  
 Qty: \_\_\_\_\_  
 Comments: \_\_\_\_\_



### Dimensions

|        |        |
|--------|--------|
| Height | 15.00" |
| Width  | 7.50"  |

### Ordering Information

|            |                         |
|------------|-------------------------|
| Product ID | 49623BKTLED             |
| Finish     | Textured Black          |
| Collection | Amber Valley Collection |

### Dimensions

|                                    |             |
|------------------------------------|-------------|
| Extension                          | 8.50"       |
| Height from center of Wall opening | 3.75"       |
| Base Backplate                     | 5.50 X 8.25 |
| Weight                             | 5.56 LBS    |

### Photometrics

|                       |       |
|-----------------------|-------|
| Kelvin Temperature    | 3000K |
| Color Rendering Index | 90    |

### Specifications

|                      |               |
|----------------------|---------------|
| Material             | Aluminum      |
| Diffuser Description | Etched Seeded |

### Electrical

|                |   |
|----------------|---|
| Dimmable       | Yes   |
| Dimmable Notes | This LED is compatible with most standard incandescent dimmers, LED dimmers, and electronic low voltage dimmers. For more information, go to <a href="http://Kichler.com/dimming">Kichler.com/dimming</a> . |
| Voltage        | 120V  |
| Input Voltage  | Single(120)   |

### Qualifications

|                    |  |
|--------------------|--|
| Safety Rated       | Wet  |
| Title 24           | Yes  |
| Expected Life Span | 40000 Hours  |
| Warranty           | <a href="http://www.kichler.com/warranty">www.kichler.com/warranty</a> |

### Primary Lamping

|                        |            |
|------------------------|------------|
| Light Source           | LED        |
| Lamp Included          | Integrated |
| # of Bulbs/LED Modules | 1          |
| Delivered Lumens       | 875        |
| Initial Lumens         | 1400       |
| Max or Nominal Watt    | 17W        |

Amber Valley Collection  
Amber Valley LED Wall Lantern in BKT  
49623BKTLED (Textured Black)

Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Type: \_\_\_\_\_  
Qty: \_\_\_\_\_  
Comments: \_\_\_\_\_

---

Dimming Yes

---

The **GP200 Series** poles have a Cast Aluminum Base Plate and can be ordered with or without a base cover. A choice of Smooth or Extruded Access Door is available.

**FEATURES**

Residence Inn  
Type Z07

- Strong, lightweight and easy to install.
- Extruded Aluminum shaft welded to the base.
- 3" tenon standard for luminaire mounting. (Pictured on left)
- Access door for wiring secured with stainless steel screws.
- Ground Lug included.
- Hot Dipped Galvanized Anchor Bolts included.
- **3" Smooth Poles are available at 8', 10' and 12'**; contact factory for details.

**AVAILABLE EXTRUDED ALUMINUM SHAFTS**

| 4" OD Fluted .125 wall |            | 4" OD Smooth .125 wall |                   |
|------------------------|------------|------------------------|-------------------|
|                        | GP203 - 08 |                        | GP204 - 08        |
|                        | GP203 - 10 |                        | <b>GP204 - 10</b> |
|                        | GP203 - 12 |                        | GP204 - 12        |
|                        | GP203 - 14 |                        | GP204 - 14        |
| 5" OD Fluted .156 wall |            | 5" OD Smooth .125 wall |                   |
|                        | GP205 - 08 |                        | GP206 - 08        |
|                        | GP205 - 10 |                        | GP206 - 10        |
|                        | GP205 - 12 |                        | GP206 - 12        |
|                        | GP205 - 14 |                        | GP206 - 14        |

Standard wall thickness and height specified above; contact factory for additional options.

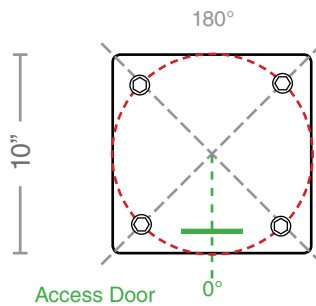
**MATERIALS**

|              |                             |                     |                             |
|--------------|-----------------------------|---------------------|-----------------------------|
| <b>Base</b>  | Cast Aluminum (A319)        | <b>Tenon</b>        | Cast Aluminum (A319)        |
| <b>Shaft</b> | Extruded Aluminum (6063-T6) | <b>Anchor Bolts</b> | Hot dipped galvanized steel |

**ACCESSORIES**

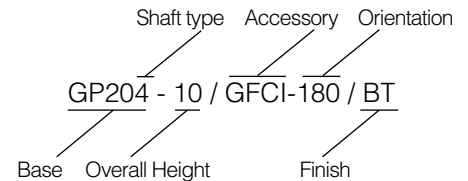
|             |                                  |            |            |
|-------------|----------------------------------|------------|------------|
| <b>GFCI</b> | Ground Fault Circuit Interrupter | <b>PCL</b> | Photocell  |
| <b>WIUC</b> | While in Use Cover for GFCI      | <b>BC</b>  | Base Cover |

**10" Bolt Circle**



1/2" x 18" Double Nut  
Double Washer, Hot-dipped Galvanized L-Type Anchor Bolts.  
4 Anchor Bolts at 90°

**ORDERING SEQUENCE**

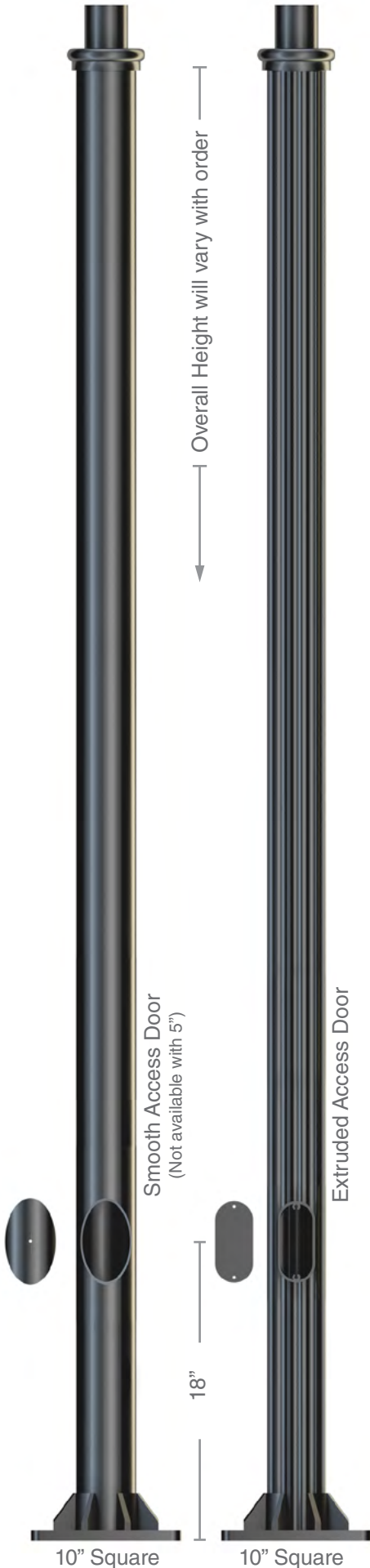


**STANDARD FINISH**

**PREMIUM FINISH**

|           |                       |           |               |
|-----------|-----------------------|-----------|---------------|
| <b>BK</b> | Black                 | <b>WH</b> | White         |
| <b>BT</b> | <b>Textured Black</b> | <b>CV</b> | Copper Vein   |
| <b>SB</b> | Statuary Bronze       | <b>GV</b> | Green Vein    |
| <b>GN</b> | Green                 | <b>CF</b> | Custom Finish |

All decorative aluminum components have an electrostatically applied thermoset scratch-resistant powder coat finish.





Amber Valley Collection  
Amber Valley LED Post Lantern in BKT  
49625BKTLED (Textured Black)

Project Name: Residence Inn  
Location: Chesterfield, MO  
Type: Z07  
Qty: \_\_\_\_\_  
Comments: \_\_\_\_\_



### Dimensions

|        |        |
|--------|--------|
| Height | 19.75" |
| Width  | 8.50"  |

### Ordering Information

|            |                         |
|------------|-------------------------|
| Product ID | 49625BKTLED             |
| Finish     | Textured Black          |
| Collection | Amber Valley Collection |

### Dimensions

|                                    |          |
|------------------------------------|----------|
| Height from center of Wall opening | 3.25"    |
| Weight                             | 7.14 LBS |

### Photometrics

|                       |       |
|-----------------------|-------|
| Kelvin Temperature    | 3000K |
| Color Rendering Index | 90    |

### Specifications

|                      |               |
|----------------------|---------------|
| Material             | Aluminum      |
| Diffuser Description | Etched Seeded |

### Electrical

|                |   |
|----------------|---|
| Dimmable       | Yes   |
| Dimmable Notes | This LED is compatible with most standard incandescent dimmers, LED dimmers, and electronic low voltage dimmers. For more information, go to <a href="http://Kichler.com/dimming">Kichler.com/dimming</a> . |
| Voltage        | 120V  |
| Input Voltage  | Single(120)   |

### Qualifications

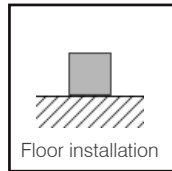
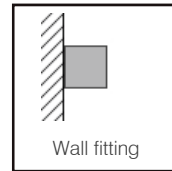
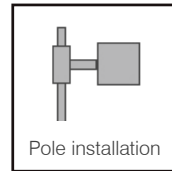
|                    |  |
|--------------------|--|
| Safety Rated       | Wet  |
| Title 24           | Yes  |
| Expected Life Span | 40000 Hours  |
| Warranty           | <a href="http://www.kichler.com/warranty">www.kichler.com/warranty</a> |

### Primary Lamping

|                        |            |
|------------------------|------------|
| Light Source           | LED        |
| Lamp Included          | Integrated |
| # of Bulbs/LED Modules | 1          |
| Delivered Lumens       | 850        |
| Initial Lumens         | 1400       |
| Max or Nominal Watt    | 17W        |
| Dimming                | Yes        |

**DESCRIPTION**

ALVA series family of area lighting evenly aluminate building facade, sports arenas and stadium lighting. Patented modern slim design is stylish, with better cooling system, and high lumen efficiency. These fixture are rated for wet location and are offered in various mounting options.



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

**ORDERING INFORMATION**

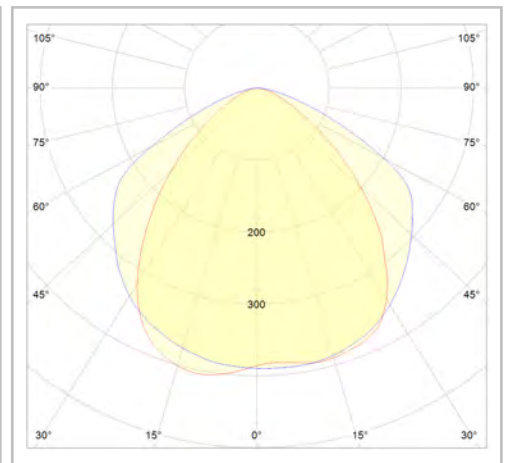
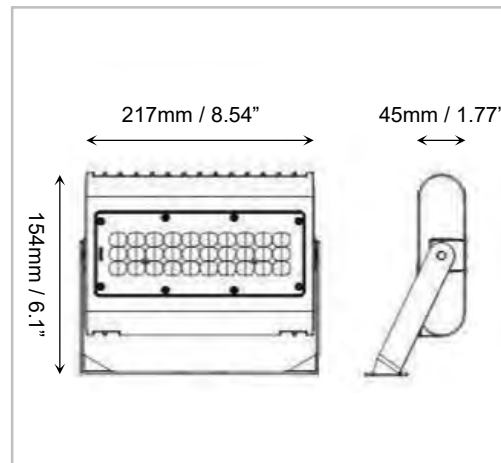
| Model          | Watts | Lumen | Optic        | Color Temp. | CRI | Optional     | Finish color |
|----------------|-------|-------|--------------|-------------|-----|--------------|--------------|
| LI-FLDF050-XYZ | 50    | 4900  | A = 120 x 90 | 1 = 5000K   | 80  | 1 = Dimmable | BR           |

B = Type 3  
C = Type 4

Project name:



- Material: Sturdy powder coated aluminum housing. Salt mist resistance & anti aging. High thermal conductivity. High efficient reflector and diffuser. UV & Fire resistant high out put PC lenses.
- Led type: Phillips chips.
- Electrical: 120~ 277Vac, 50/60Hz Driver included.
- Power factor:  $\geq 90\%$
- Led efficiency: 130 lm/W
- Color temperature: 5000K
- Operation temperature:  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$
- Color Rendering Index (CRI):  $\geq 80$
- THD%:  $< 20\%$
- IP Rating: IP65



Project name:





FIXTURE ACCESSORIES

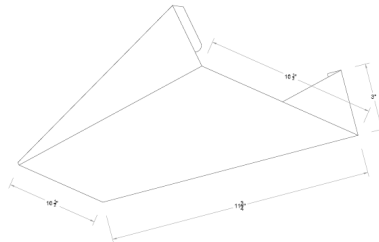
M1 = Straight Arm Mount



M2 = Slip Fitter



M3 = Back Shield



Ordering Example:  
 LI-FLDF050-XYZ-YK-50-C-1-1-BR-M1

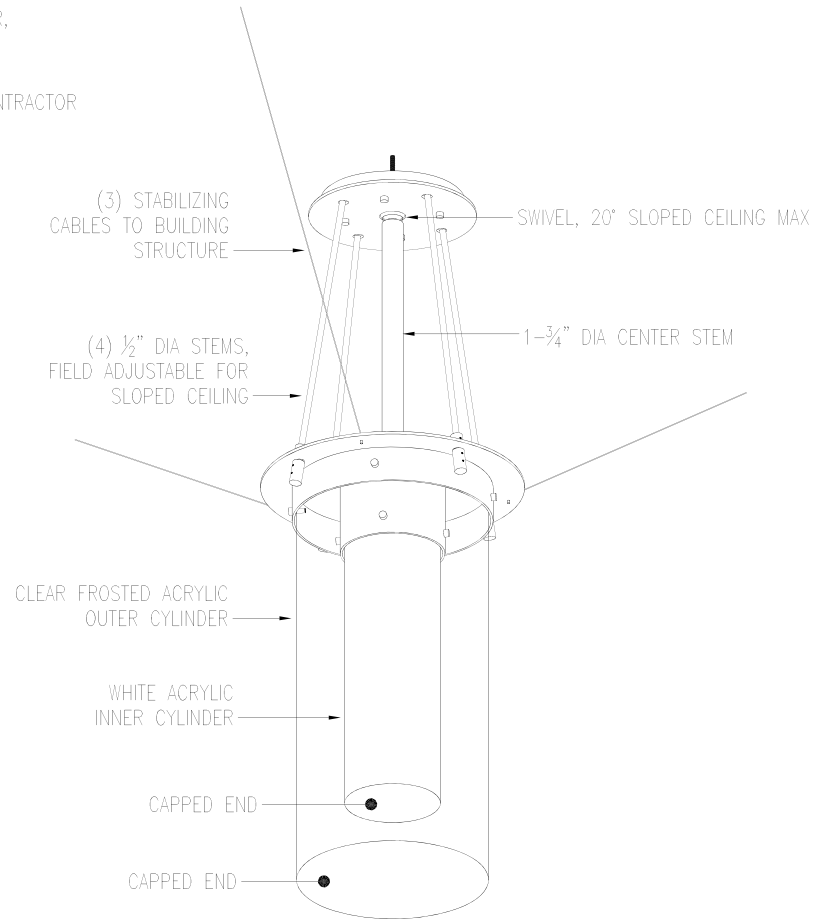
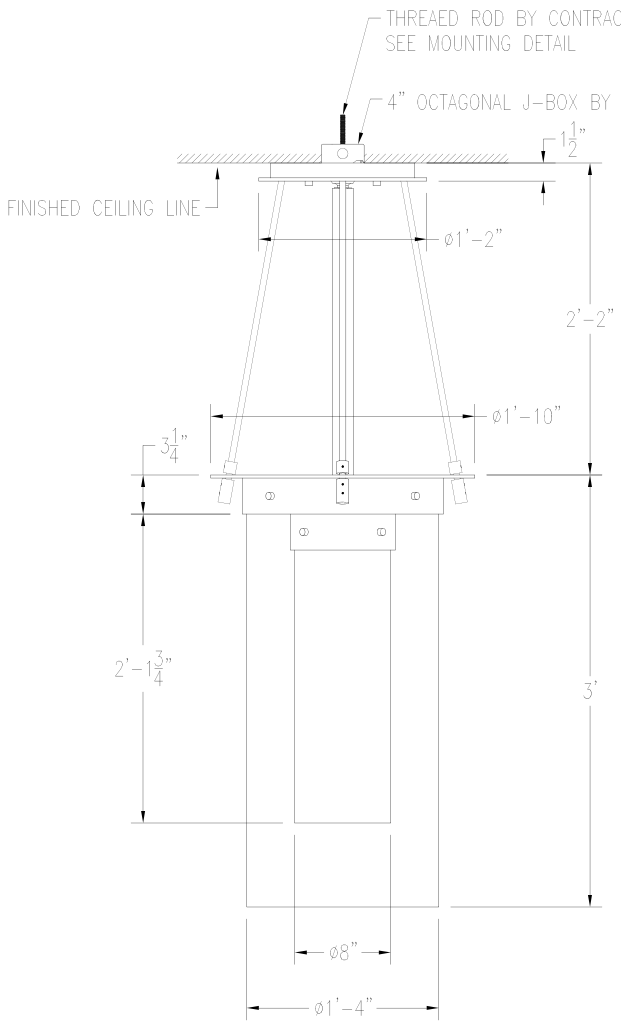
Project name:



Residence Inn  
Type Z42

**Lukas Lighting**  
**Model: CL914**





\*TO CHANGE LAMP, REMOVE OUTER AND INNER CYLINDERS

FINISH: GREY METALLIC 99/00340 POWDER COATED  
 LAMPING: (3) 17 WATT LINEAR T8 LAMPS BY OTHERS  
 VOLTAGE: 120  
 WEIGHT: APPROX 70 LBS  
 UL LISTED FOR DAMP LOCATIONS

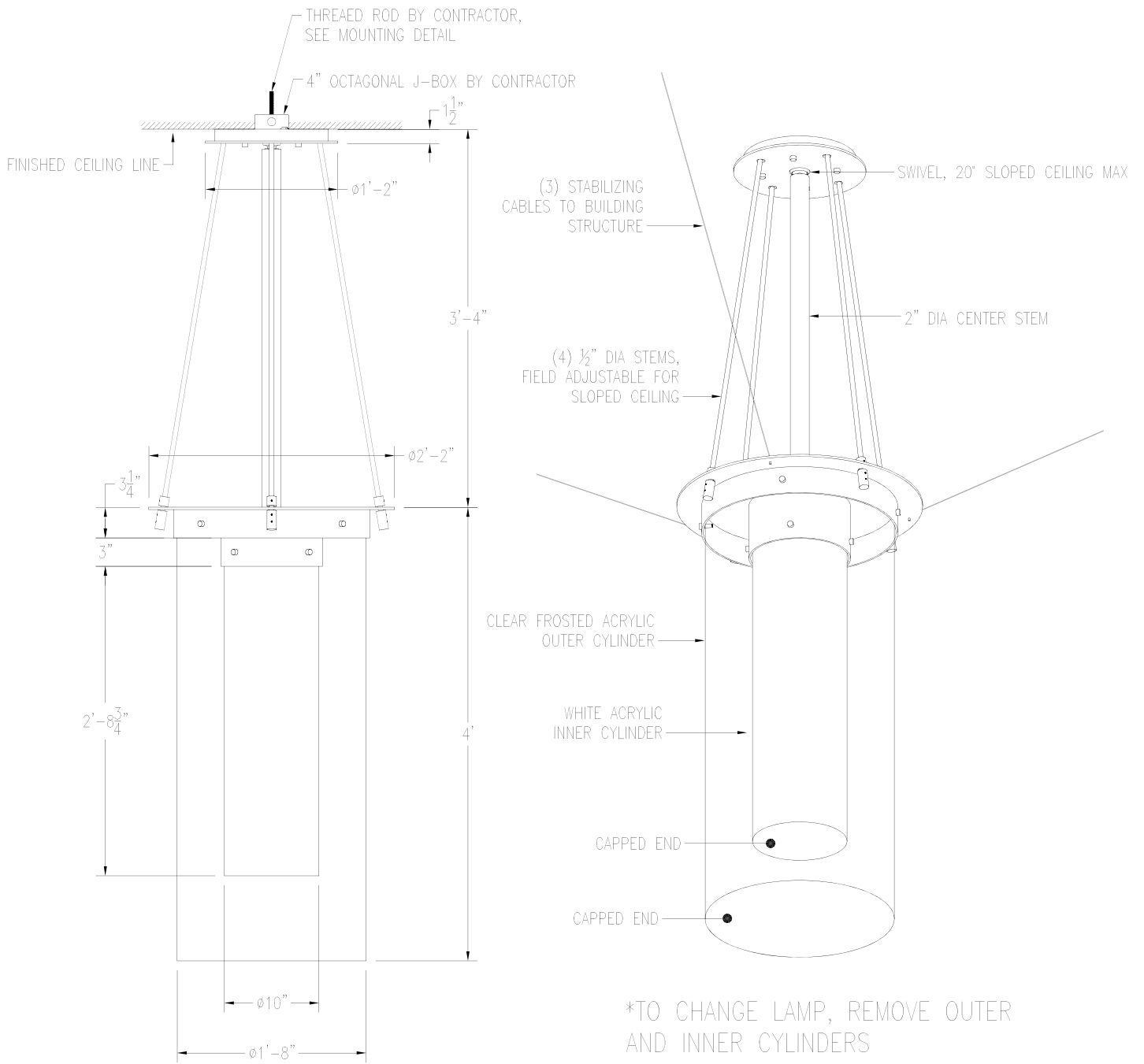
|  |                        |                       |      |
|--|------------------------|-----------------------|------|
| <p><b>LUKAS</b><br/>LIGHTING</p> <p>40-20 22ND STREET   LONG ISLAND CITY, NY 11101<br/>                 TEL. 1.800.841.4011   FAX 718.706.0596<br/>                 INFO@LUKASLIGHTING.COM   WWW.LUKASLIGHTING.COM</p> | TYPE: L2               | LUKAS PART No: CL4914 |      |
|  | PROJECT: RESIDENCE INN |                       |      |
|  | SPECIFIER: MARRIOTT    |                       |      |
|  | SCALE: 1:16            | DWG No:               | QTY: |
|  | DATE: 11-14-11         | APPROVAL:             |      |
|  | REV: B 7-12-12         |                       |      |
|  |                        |                       |      |



Residence Inn  
Type Z43

**Lukas Lighting**  
**Model: CLK913**



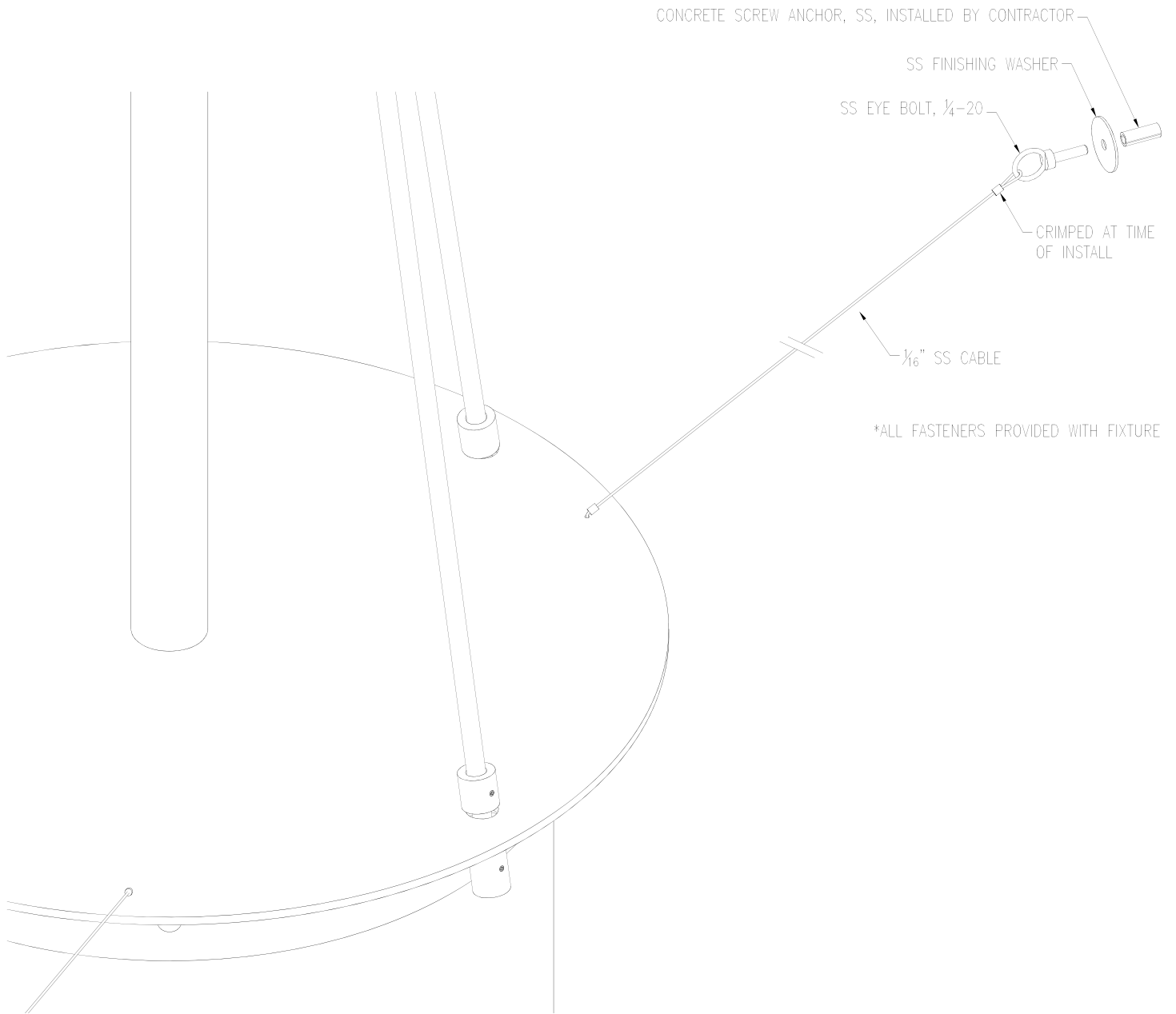


FINISH: GREY METALLIC 99%<sub>00340</sub> POWDER COATED  
 LAMPING: (3) 25 WATT LINEAR T8 LAMPS BY OTHERS  
 VOLTAGE: 120  
 WEIGHT: APPROX 80 LBS  
 UL LISTED FOR DAMP LOCATIONS

|  |                        |  |                       |      |  |
|--|------------------------|--|-----------------------|------|--|
| <p><b>LUKAS</b><br/>LIGHTING</p> <p>40-20 22ND STREET   LONG ISLAND CITY, NY 11101<br/>                 TEL. 1.800.841.4011   FAX 718.706.0596<br/>                 INFO@LUKASLIGHTING.COM   WWW.LUKASLIGHTING.COM</p> | TYPE: L1               |  | LUKAS PART No: CL4913 |      |  |
|  | PROJECT: RESIDENCE INN |  |                       |      |  |
|  | SPECIFIER: MARRIOTT    |  |                       |      |  |
|  | SCALE: 1:16            |  | DWG No:               | QTY: |  |
|  | DATE: 11-14-11         |  | APPROVAL:             |      |  |
|  | REV: B 4-26-12         |  |                       |      |  |



SUPPORT DETAIL



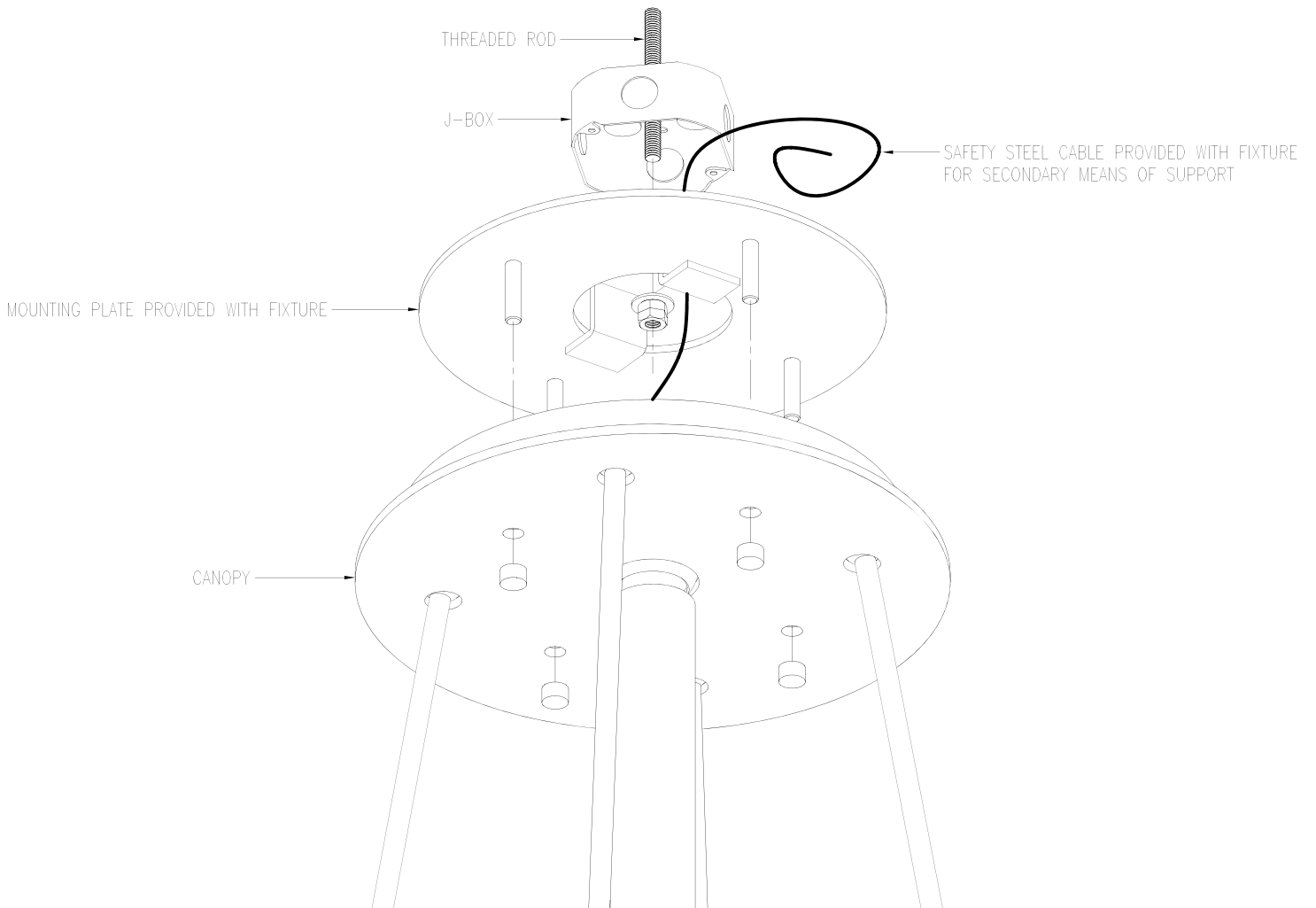
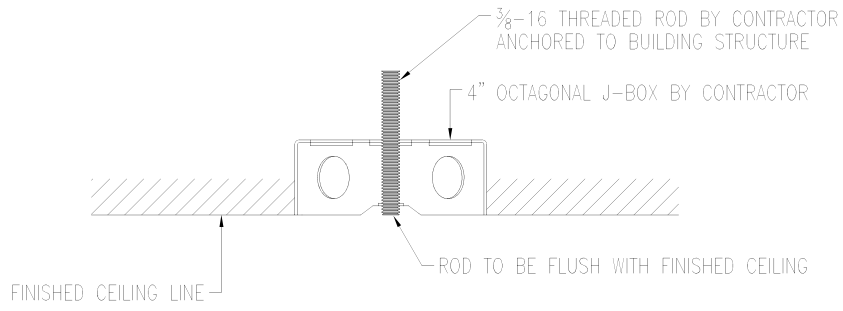
\*ALL FASTENERS PROVIDED WITH FIXTURE

**LUKAS**  
LIGHTING

40-20 22ND STREET | LONG ISLAND CITY, NY 11101  
TEL. 1.800.841.4011 | FAX 718.706.0596  
INFO@LUKASLIGHTING.COM | WWW.LUKASLIGHTING.COM

|                        |                       |      |
|------------------------|-----------------------|------|
| TYPE: L1               | LUKAS PART No: CL4913 |      |
| PROJECT: RESIDENCE INN |                       |      |
| SPECIFIER: MARRIOTT    |                       |      |
| SCALE:                 | DWG No:               | QTY: |
| DATE: 11-14-11         | APPROVAL:             |      |
| REV: B 4-26-12         |                       |      |

# MOUNTING DETAIL



**LUKAS**  
LIGHTING

40-20 22ND STREET | LONG ISLAND CITY, NY 11101  
 TEL. 1.800.841.4011 | FAX 718.706.0596  
 INFO@LUKASLIGHTING.COM | WWW.LUKASLIGHTING.COM

|                        |  |                       |      |
|------------------------|--|-----------------------|------|
| TYPE: L1               |  | LUKAS PART No: CL4913 |      |
| PROJECT: RESIDENCE INN |  |                       |      |
| SPECIFIER: MARRIOTT    |  |                       |      |
| SCALE: 1:16            |  | DWG No:               | QTY: |
| DATE: 11-14-11         |  | APPROVAL:             |      |
| REV: B 4-26-12         |  |                       |      |



## NHIC-6LMRAT

6" IC Air-Tight LED Diamond/Onyx/Cobalt/Opal Series Dedicated New Construction Housing

Source: 11W - 16.6W LED

### PRODUCT DESCRIPTION

Dedicated New Construction housing for use in insulated ceilings can be in direct contact with insulation.\* Air-tight construction provides energy savings by reducing the flow of air through the ceiling. The housing is dedicated and labeled for use with Nora Diamond, Cobalt, Onyx and Opal series LED fixtures

### FEATURES

- IC rated for direct contact with insulation
- Quick connect provided for electrical connection to the LED Trim Module
- ASTM E283 for Air-Tight
- Energy Star Rated
- Exceeds California Title 24 high efficacy requirements
- cULus Listed for Damp Location and Feed Through
- cULus Listed for Wet Location and Feed Through (Only with designated trims)
- Available with 277V Step-down transformer
- Can be prewired for 0-10V dimming

### CONSTRUCTION

#### Plaster Frame

High quality 0.040 steel die cut one piece frame

#### Housing

0.040 steel housing adjusts to maximum ceiling thickness of 1-3/4" (45mm). Spring brackets accept torsion wing trim springs.

#### Mounting

Two bar hangers are included adjustable to 24-1/2". Hanger bars have T-Bar slot and alignment feet. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. Insulation may be blown directly onto the surface of the fixture.

#### Air Flow Restriction

Meets ASTM E283 Air-Tight Requirements.

### ELECTRICAL

#### Junction Box

Plaster frame integrated 15 cubic inch 0.064" thick galvanized steel, with seven 1/2" NPT knockouts, four Romex® pryouts, and snap on covers. Electrical connections are made through junction box wrap. Electrical grounding automatic when feeding with grounded steel EMT pipe or flex. Green wire provided installs with ground wire fed through PVC pipe conduit.

#### Compatible with:

- NLEDC - Diamond Series
- NLCBC - Cobalt Series
- NLOP - Opal Series
- NOX - Onyx Series

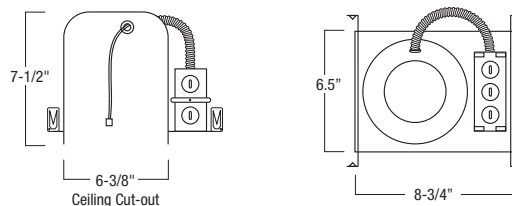
#### DIMMING:

See compatible Diamond/Onyx/Cobalt/Opal for compatible dimmers

#### Step Down Transformer (Converts 277V input to 120V)

Optional 50W step down transformer installed into Air Tight New Construction housing (NHIC-6LMRAT/277) (For use with Nora Diamond, Cobalt, Onyx and Opal Series LED Products)

### PRODUCT IMAGES & DIMENSIONS



Cut-out: 6-3/8"  
ID: 6"  
OD: 7-1/8"

Housing Length: 8-3/4"  
Housing Width: 6.5"  
Housing Height: 7-1/2"

### EMERGENCY

90-minute battery is installed on frame and includes remote mounted test switch. For use only with Cobalt EM Series LED Down Lights specified specifically

### LABELS AND LISTINGS

Title 24 Compliant  
cULus Listed for Damp Location & Feed Through  
cULus Listed for Wet Location & Feed Through (Only with designated trims)  
WSEC ASTM E283 for Air-Tight  
Energy Star Rated  
RoHS Compliant

\*Not to be used in direct contact with spray foam insulation.



### Housing

**NHIC-6LMRAT:** 6" IC Air Tight Dedicated New Construction Housing

**NHIC-6LMRAT/277:** 6" IC Air Tight Dedicated New Construction Housing includes installed 50W step down transformer

**NHIC-6LMRAT/4W:** 6" IC Air Tight Dedicated Housing Pre-wired for 0-10V dimming Cobalt Series

**NHIC-6LMRAT/EM:** 6" IC Air Tight Dedicated Housing Pre-wired for Emergency Cobalt Series - Includes EM battery and remote test switch

**NHIC-6LMRAT/6WEM:** 6" IC Air Tight Dedicated Housing Pre-wired for Emergency and 0-10V dimming Cobalt Series - Includes EM battery and remote test switch

# ARCHITECTURAL LED

## LED Commercial Downlight

### Product Specifications

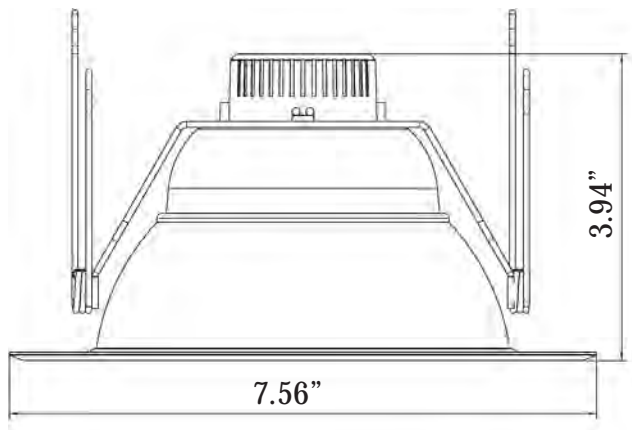
|               |                             |
|---------------|-----------------------------|
| Model         | IL-D536                     |
| CCT           | 3000, 5000                  |
| Description   | 6" LED Commercial Dpwnlight |
| Dimensions    | 7.56" D x 3.94" H           |
| Dimming       | Yes                         |
| CRI           | >80                         |
| Finishes      | White                       |
| Power         | 20W                         |
| Input Voltage | 120V AC                     |
| Suitable      | Dry, damp, wet locations    |
| Lumens        | 1550, 1650                  |
| Rated Life    | 50,000 hours                |
| Certification | ETL                         |
| Warranty      | 5 year                      |

|             |                    |      |
|-------------|--------------------|------|
| Cataloge #  | IL-D536-LED-20-30K | Type |
| Project     | Residence Inn      | Z85  |
| Comments    |                    | Date |
| Prepared by |                    |      |



IL-D536

### Dimensional Drawings:



### Ordering Information: Use there Ordering format-- Use our squares if you can

Example: IL-D536-LED-20-30

|                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Series               | Source               | Wattage              | Voltage              | CCT                  | Finish               | Option               |                      |
| IL-D536              | LED=LED              | 20=20W               | 120V                 | 30=3000<br>50=5000   | W=White              |                      |                      |
| Size                 |                      |                      |                      |                      |                      |                      |                      |

\*Consult Factory regarding availability.





**PHILIPS**  
**bodine**

Emergency Drivers

LED

BSL17C-C2



Project: Residence Inn  
Type: Z91  
Model No: BLS17C Qty: \_\_\_\_\_  
Date: \_\_\_\_\_  
Notes: \_\_\_\_\_

**Emergency LED Driver**  
**Listed for field installation**  
**Class 2 output**  
**7.5 Watts output power**

Product order number: BSL17CC2T1U (metal case with conduit on both ends)  
See back page for additional model configurations and order numbers

**Specifications**

**UL Listed**

Listed to UL924 and CSA 22.2 No. 141  
For Field or Factory Installation  
(Indoor and Damp)

**Illumination Time**

90 Minutes

**Full Warranty**

5 Years (NOT pro-rata)

**Universal Input Voltage**

120-277 VAC, 60 Hz

**AC Input Power**

3.0 (Maximum)

**Output Voltage**

15.0 - 50.0 VDC

**Output Power**

7.5 W (Maximum),

**Test Switch/Charging Indicator Light**

2 W - ITS (2-Wire illuminated test switch)

**Battery**

High-Temperature, Maintenance-Free  
Nickel-Cadmium Battery  
7- to 10-Year Life Expectancy

**Recharge Time**

24 Hours

**Temperature Rating**

Ambient : 0°C to +50°C (32°F to 122°F)  
Case: Tc (max): 65°C

**Dimensions**

12.0" x 2.4" x 1.5"  
(304 mm x 60 mm x 38 mm)  
Mounting Center 11.5" (292 mm)

**Weight**

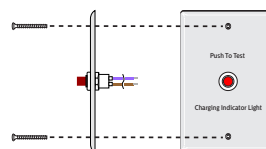
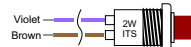
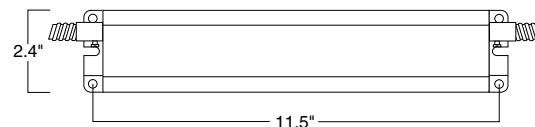
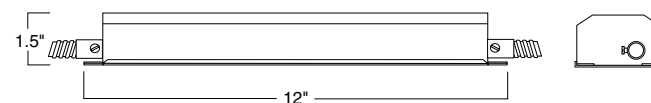
4.3 lbs. (1.95 kg)

**Benefits:**

- Listed for field or factory installation - UL 924 and CSA C22.2 No. 141 Emergency Lighting Compliant
- Smart Charger Technology for low energy consumption
- Meets CEC Title 20 (California Energy Commission) efficiency standards
- Class 2 output - UL 1310 Certified, CSA 22.2 No 223-M91 compliant
- Controlled power for predictable discharge
- Emergency mode initial lumen output of up to 975 lumens
- 15-50 VDC for wide range of LED loads
- Universal input (120 through 277 VAC, 50/60 Hz)
- RoHS Compliant

**Dimensions**

12.0" x 2.4" x 1.5" (mounting center - 11.5")



A Test/Monitor Plate with an illuminated test switch/charging indicator light is provided.



# BSL17C-C2

## Emergency LED Driver, Class 2 Output, 7.5 Watts Output Power

### APPLICATION

The BSL17C-C2 is UL Listed for factory or field installation and allows the same LED luminaire to be used for normal and emergency operation. The BSL17C-C2 emergency LED driver works in conjunction with an AC LED driver that has an output current not to exceed 3.0 A, to convert new or existing LED fixtures into emergency lighting. The emergency driver consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact case. The BSL17C-C2 can be used with an LED lighting load of up to 7.5 Watts. If used in an emergency-only fixture, no AC driver is necessary. The BSL17C-C2 is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. Neither the BSL17-C2 nor the BSL17C-C2 is suitable for air handling heated air outlets and wet or hazardous locations. For more information about specific LED and AC driver compatibility, please call the factory.

### OPERATION

When AC power fails, the BSL17C-C2 immediately switches to the emergency mode, operating the LEDs at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

### INSTALLATION

The BSL17C-C2 does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency driver. The emergency driver must be fed from the same branch circuit as the AC driver. The BSL17C-C2 may be installed on top of the fixture and the BSL17-C2 may be installed on top of or inside the fixture. Installation is not recommended with fixtures where the ambient temperature may fall below 0° C.

### CODE COMPLIANCE

For detailed information regarding standards and code compliance for emergency lighting see product page or the Codes and Standards section on the web site.

### EMERGENCY ILLUMINATION

The BSL17C-C2 operates an LED load of up to 7.5 Watts.

### SPECIFICATION

Emergency lighting shall be provided by using an LED fixture equipped with a Philips Bodine BSL17C-C2 emergency driver. This emergency driver shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in

one 12" x 2 3/8" x 1 1/2" metal case. The BSL17C-C2 comes with an illuminated test switch (ITS) to monitor charger and battery and installation hardware shall be provided. The emergency driver shall be capable of delivering up to 7.5 Watts to an LED load (15-50VDC) for a minimum of 90 minutes. The BSL17C-C2 shall have a 15.0 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. This device complies with Part 15 of the FCC Rules and meets CEC Title 20 (California Energy Commission) efficiency standards. The emergency driver shall be UL Listed for field or factory installation.

### INSTALLATION OPTIONS AND ORDERING CODES

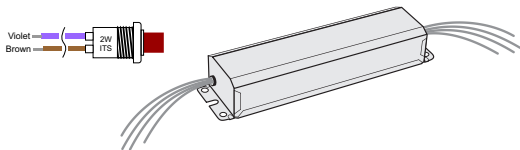
The BSL17C-C2 model can be ordered in several mounting configurations and test switch/LED kits. Please see the ordering codes below to determine which configuration best meet your requirements.

### WARRANTY

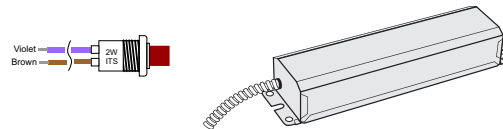
Model BSL17C-C2 is warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our web site.

#### Optional Configurations (with order numbers)

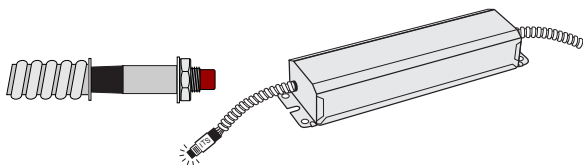
BSL17-C2 (Order Number BSL17C2U)  
Includes Loose 2W-ITS Parts Kit



BSL17C-C2 Type 1 (Order Number BSL17CC2SF)  
Includes Loose 2W-ITS Parts Kit

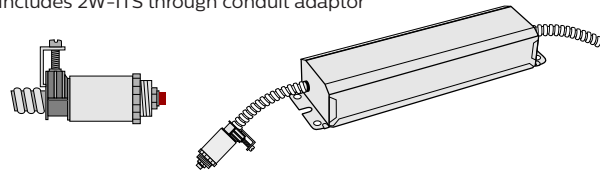


BSL17C-C2 Type 1 Option 6 (Order Number BSL17CC2T1O6U4W)  
Includes 4W-ITS exiting through conduit



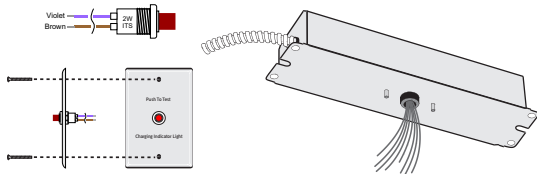
4 W-ITS exits through conduit adaptor. All other wires through the other conduit.

BSL17C-C2 Type 1 Option 7 (Order Number BSL17CC2T1O7)  
Includes 2W-ITS through conduit adaptor

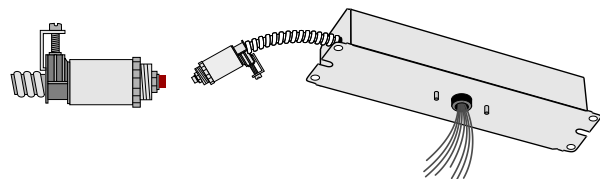


ITS exits unit through conduit adaptor. All other wires through the other conduit.

BSL17C-C2 Type 2 (Order Number BSL17CC2T2U)  
Includes 2W-ITS on Wall Plate



BSL17C-C2 Type 2 Option 7 (Order Number BSL17CC2T2O7)  
Includes 2W-ITS through conduit adaptor



2W-ITS exits through conduit adaptor. All other wires through lid. Studs are threaded so unit can be mounted on a J-box plate.

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Document order number: L2300261 17.1128



Philips Emergency Lighting  
236 Mt. Pleasant Rd.  
Collierville, TN 38017  
Tech Support: 888.263.4638  
Sales: 800.223.5728

philips.com/bodine



|              |                |
|--------------|----------------|
| Type         | Z91            |
| Project      | Residence Inn  |
| Catalog No.  | NHM-620-LE1-EM |
| Lamp/Wattage |                |

## NHM-612 (1250LM, 120/277V) NHM-620 (2000LM, 120/277V) 6" LED Marquise New Construction Housing

### PRODUCT DESCRIPTION

Six inch thermally protected universal line voltage new construction housing.

### CONSTRUCTION

#### Plaster Frame

High quality 0.032 steel die cut one piece frame. Bar hanger brackets on all four sides provide two possible position for installation.

#### Housing

0.040 steel housing with riveted cap adjusts to maximum ceiling thickness of 1-3/4" (45mm). Spring brackets accept torsion wing trim springs; slots on socket plate surface accept standard coil springs.

#### Minimum Clearance

Non-IC housings require minimum clearance of 3" from thermal insulation and 1/2" from adjacent building components.

#### Bar Hangers

Two 13-3/4" to 24-1/2" adjustable bar hangers with captive nails are included on frame. Bar hangers are parallel to junction box, but can be repositioned 90° perpendicular to junction box if desired. "L" Shaped bar hanger foot to align to bottom of construction joist. A T-Bar notch allow for easy installation in a suspended ceiling. Frame may also be supported with aircraft structural cable for drop panel ceilings or any other application requiring direct support from a structural ceiling.

#### Junction Box

Prewired 25 cubic inch 0.064" thick galvanized steel, with five 1/2", two 3/4" knockouts, four Romex® pryouts, and snap on covers. All leads are #18AWG wire, the ground wire is connected to the bottom, and quick connectors are supplied on all leads. Through branch circuit wiring, (4-in, 4-out).

#### Dimming

- 850 & 1250 Lumen Triac dimming standard
- Comfort Dim requires ELV dimmer
- 2000 Lumen 0-10V dimming standard
- Consult factory for optional 850 & 1250LM 0-10V and 2000LM triac dimming

#### Quick Connect Feature

Housing contains three UL approved quick connections that allow insertion of 1/4" stripped solid or tinned standard conductors to be inserted into the connector. Connectors are pre-attached to fixture power, common, and ground circuits.

#### Thermal Protector

External thermal device is located on the junction box.

#### Trim

Compatible with NRM-61 Series.

### EMERGENCY

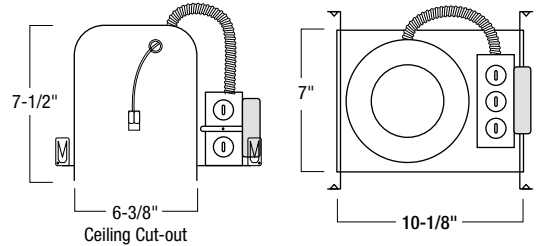
90-minute battery back up must be ordered separately and installed apart from the housing in an accessible location.

#### DRIVER

- CREE LMD125 for 120V 850/1250 Lumen. ERP ELM03W-0440-34 for 277V 850/1250Lumen
- CREE LMD300 for 120/277 2000LM

#### Wiring

Standard flex whip carries wire lead from junction box into housing. Wire leads extend from housing and thermal device to the luminary disconnect.



Cut-out: 6-3/8"  
ID: 6"

Housing Length: 10-1/8"  
Housing Width: 7"  
Housing Height: 7-1/2"



#### Dimming

- 850 & 1250 Lumen Triac dimming standard
- Comfort Dim requires ELV dimmer
- 2000 Lumen 0-10V dimming standard
- Consult factory for optional 850 & 1250LM 0-10V and 2000LM triac dimming

#### Bodine Emergency Lighting Equipment: BSL17-C2/BSL17C-C2 (850/1250lm)

- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 45 mA
- Output Current: 470mA max
- Dimension: 12" x 2.4" x 1.5"

#### Bodine Emergency Lighting Equipment: BSL17C-C2P (2000/3000lm)

- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 280 mA
- Output Current: 270mA max
- Dimension: 12" x 2.4" x 1.5"

#### Labels and Listings

cULus Listed for Damp Location w/ Feed Through  
cULus Wet Listed (Only with designated trims)  
Meets or exceeds ASTM-283 Air-Tight Requirements  
Title 24  
Energy Star

### 6" LED Marquise New Construction Housing

| Catalog No.                        | Lumen     | Driver           | Voltage  | Emergency         |
|------------------------------------|-----------|------------------|--|-------------------|
| NHM-6                              | 12=1250lm | (Blank)=Standard | LE1=120V (1250Lm), 0-10V (2000Lm)                                      | EM=Emergency Pack |
|                                    | 20=2000lm | C=Comfort Dim*   | LE2=277V, 0-10V<br>LE3= 120V Triac Dimming<br>LE4= 120V, 0-10V Dimming | with Test Switch  |
| * Comfort Dim requires ELV dimming |           |                  |  |                   |

NHM-612LE1EM: 6" Marquise LED Marquise New Construction 1250 Lumen, 120V with Emergency Housing

**NHM-612 (1250LM, 120/277V)**  
**NHM-620 (2000LM, 120/277V)**  
**6" LED Marquise New Construction Housing**

|              |
|--------------|
| Type         |
| Project      |
| Catalog No.  |
| Lamp/Wattage |

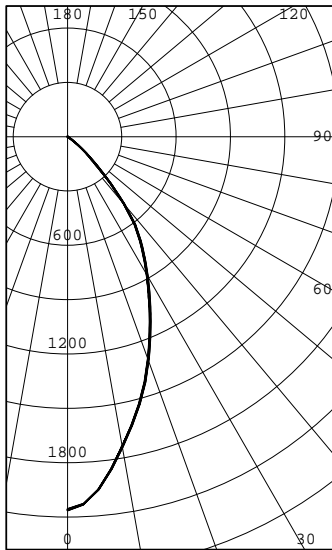
**NHM-620LE1 / NRM-611L2030DW**

|                           |                       |                        |                          |                          |                  |                |
|---------------------------|-----------------------|------------------------|--------------------------|--------------------------|------------------|----------------|
| <b>Voltage:</b> 120.0 VAC | <b>Power:</b> 25.21 W | <b>Frequency:</b> 60Hz | <b>Test Temp:</b> 24.8°C | <b>Current:</b> 0.2126 A | <b>PF:</b> 0.988 | <b>SC:</b> 0.8 |
|---------------------------|-----------------------|------------------------|--------------------------|--------------------------|------------------|----------------|

COEFFICIENTS OF UTILIZATION CONAL CAVITY METHOD  
 EFFECTIVE FLOOR CAVITY REFLECTANCE = 0.20

| CC   | 90   |      |      |      | 80   |      |      |      | 70   |      |      |      | 50   |      |      | 30   |      |      | 10   |      |      | 0    |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| WALL | 70   | 50   | 30   | 10   | 70   | 50   | 30   | 10   | 70   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 0    |
| RCR  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0    | 1.22 | 1.22 | 1.22 | 1.22 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1    | 1.16 | 1.13 | 1.11 | 1.09 | 1.14 | 1.11 | 1.09 | 1.07 | 1.12 | 1.10 | 1.07 | 1.05 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 |
| 2    | 1.11 | 1.07 | 1.03 | 0.99 | 1.09 | 1.05 | 1.01 | 0.98 | 1.07 | 1.03 | 1.00 | 0.97 | 1.00 | 0.97 | 0.95 | 0.97 | 0.95 | 0.93 | 0.94 | 0.93 | 0.91 | 0.89 |
| 3    | 1.06 | 1.00 | 0.95 | 0.91 | 1.04 | 0.98 | 0.94 | 0.90 | 1.02 | 0.97 | 0.93 | 0.90 | 0.95 | 0.91 | 0.88 | 0.92 | 0.90 | 0.87 | 0.90 | 0.88 | 0.86 | 0.84 |
| 4    | 1.01 | 0.94 | 0.88 | 0.85 | 1.00 | 0.93 | 0.88 | 0.84 | 0.98 | 0.92 | 0.87 | 0.84 | 0.90 | 0.86 | 0.83 | 0.88 | 0.84 | 0.82 | 0.86 | 0.83 | 0.81 | 0.79 |
| 5    | 0.97 | 0.88 | 0.82 | 0.78 | 0.95 | 0.87 | 0.82 | 0.78 | 0.93 | 0.86 | 0.81 | 0.78 | 0.85 | 0.80 | 0.77 | 0.83 | 0.79 | 0.76 | 0.82 | 0.78 | 0.76 | 0.74 |
| 6    | 0.92 | 0.83 | 0.77 | 0.73 | 0.91 | 0.82 | 0.77 | 0.73 | 0.89 | 0.82 | 0.76 | 0.73 | 0.80 | 0.76 | 0.72 | 0.79 | 0.75 | 0.72 | 0.78 | 0.74 | 0.71 | 0.70 |
| 7    | 0.87 | 0.78 | 0.72 | 0.68 | 0.86 | 0.77 | 0.72 | 0.68 | 0.85 | 0.77 | 0.71 | 0.67 | 0.75 | 0.71 | 0.67 | 0.74 | 0.70 | 0.67 | 0.73 | 0.69 | 0.66 | 0.65 |
| 8    | 0.83 | 0.73 | 0.67 | 0.64 | 0.82 | 0.73 | 0.67 | 0.63 | 0.81 | 0.72 | 0.67 | 0.63 | 0.71 | 0.66 | 0.63 | 0.70 | 0.66 | 0.62 | 0.69 | 0.65 | 0.62 | 0.61 |
| 9    | 0.78 | 0.69 | 0.63 | 0.59 | 0.77 | 0.68 | 0.63 | 0.59 | 0.76 | 0.68 | 0.62 | 0.59 | 0.67 | 0.62 | 0.58 | 0.66 | 0.61 | 0.58 | 0.65 | 0.61 | 0.58 | 0.57 |
| 10   | 0.74 | 0.64 | 0.58 | 0.55 | 0.73 | 0.64 | 0.58 | 0.55 | 0.72 | 0.64 | 0.58 | 0.55 | 0.63 | 0.58 | 0.54 | 0.62 | 0.57 | 0.54 | 0.61 | 0.57 | 0.54 | 0.53 |

**INTENSITY (CANDLEPOWER) SUMMARY**



| ANGLE | MEAN CP |
|-------|---------|
| 0     | 2059    |
| 5     | 1957    |
| 10    | 1740    |
| 15    | 1529    |
| 20    | 1305    |
| 25    | 1078    |
| 30    | 877     |
| 35    | 700     |
| 40    | 485     |
| 45    | 244     |
| 50    | 105     |
| 55    | 32      |
| 60    | 2       |
| 65    | 1       |
| 70    | 0       |
| 75    | 0       |
| 80    | 0       |
| 85    | 0       |
| 90    | 0       |

**ZONAL LUMENS & PERCENTAGES**

| ZONE   | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30   | 1100   | 62.30       |
| 0-40   | 1530   | 86.66       |
| 0-60   | 1764   | 99.93       |
| 0-90   | 1766   | 100.00      |
| 40-90  | 236    | 13.34       |
| 60-90  | 1      | 0.07        |
| 90-180 | 0      | 0.00        |
| 0-180  | 1766   | 100.00      |

**LUMINACE SUMMARY CD./SQ.M.**

| ANGLE | MEAN CD/SQ M |
|-------|--------------|
| 45    | 20637        |
| 55    | 3325         |
| 65    | 142          |
| 75    | 7            |
| 85    | 0            |



# Marquise Series

## NRM-6

### 6" LED Recessed Downlight

Source: LED 11 Watts @ 850 Source Lumens = 663 Delivered Lumens  
 LED 16 Watts @ 1250 Source Lumens = 1025 Delivered Lumens  
**LED 25 Watts @ 2000 Source Lumen = 1882 Delivered Lumens**

#### PRODUCT DESCRIPTION

Nora Lighting's 6" recessed downlight fixture solution with thermal management system combined in a single compact unit. Cree True White LED ceramic package and Unitized Thermal Management (UTM) system. Available in New construction and Remodel style. Outboard mounted driver allows for cooler operation and extends life.

#### FEATURES

- 5 Year Limited Warranty
- Cree platform
- 90+ CRI True White (Registered)
- Dimmable (850 & 1250 Triac; 2000 0-10V)
- 50,000 hour life
- Title 24 Compliant
- LED 11W @ 850 Source Lumens = 663 Delivered Lumens
- LED 16W @ 1250 Source Lumens = 1025 Delivered Lumens
- LED 25W @ 2000 Source Lumens = 1882 Delivered Lumens
- Available in 2700K, 3000K, 3500K, 4000K and Comfort Dim, 91CRI

#### Trim

Aluminum spun reflector with deep set diffused lens for excellent visual comfort while providing high lumen output. Available in 2700K, 3000K, 3500K, 4000K or Comfort Dim color temp. to accommodate different appearances.

#### Construction

Scientifically and specifiable "Unitized Thermal Management" (UTM) provides exceptional cool operation exceeding all industry standards.

#### Mounting

Trim includes torsion springs to mount trim securely to housing.

#### ELECTRICAL

Voltage: 120VAC

Current: 91mA

Power Consumption: 850lm=11W / 250lm=16W / 2000lm=25W

Light Source: Cree True White Ceramic LED package Platform

CRI: 91 CRI

LED Driver: CREE LMD125 for 120V / ERP for 277V (non-dimmable)

Operating Temperature: 0°C to 75°C ambient temperature

Life Expectancy: 50,000 hours

#### Bodine Emergency Lighting Equipment: BSL17-C2/BSL17C-C2 (850/1250lm)

- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 45 mA
- Output Current: 470mA max
- Dimension: 12" x 2.4" x 1.5"

#### Bodine Emergency Lighting Equipment: BSL17C-C2P (2000/3000lm)

- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 280 mA
- Output Current: 270mA max
- Dimension: 12" x 2.4" x 1.5"

#### Compatible Housing

| Catalog No.                           | Description  | Driver                                    | Voltage                           | Emergency                             |
|---------------------------------------|--|---|-----------------------------------|---------------------------------------|
| <input type="checkbox"/> NHM-612      | 6" 1250lm New Const  | <input type="checkbox"/> (Blank)=Standard | <input type="checkbox"/> LE1=120V | <input type="checkbox"/> EM=Emergency |
| <input type="checkbox"/> NHRM-612     | 6" 1250lm Remodel  | <input type="checkbox"/> C=Comfort Dim    | <input type="checkbox"/> LE2=277V |                                       |
| <input type="checkbox"/> NHM-620      | 6" 2000lm New Const  |   |                                   |                                       |
| <input type="checkbox"/> NHMICD-620   | 6" Marquise 2000 Lumen IC New Construction Double Wall Housing |   |                                   |                                       |
| <input type="checkbox"/> NHRM-620     | 6" 2000lm Remodel  |   |                                   |                                       |
| <input type="checkbox"/> NHMIC-685    | 6" 850lm IC New Const  |   |                                   |                                       |
| <input type="checkbox"/> NHRMIC-685   | 6" 850lm IC Remodel  |   |                                   |                                       |
| <input type="checkbox"/> NHMICD-612   | 6" 1250lm IC Double Wall New                                   |   |                                   |                                       |
| <input type="checkbox"/> NFBIC-6L12AT | 6" Marquise 1250 Lumen IC Dedicated Fire Box                   |   |                                   |                                       |
| <input type="checkbox"/> NFBIC-6L85AT | 6" Marquise 850 Lumen IC Dedicated Fire Box                    |   |                                   |                                       |

Create a complete trim / housing catalog numbers: Example: NRM-611L8527BZBZ / NHM-685LE1EM



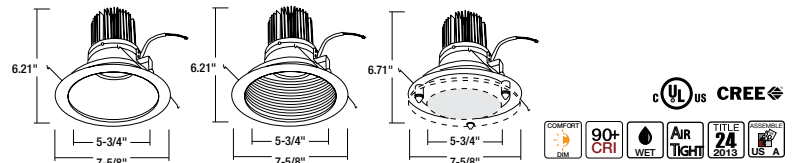
Type Z91

Project Residence Inn

Catalog No. NRM-618-L-20-30-EM-DW

Lamp/Wattage 25W

#### DIMENSIONS



#### Optics

- Cree True White® Technology
- Flat frosted shatterproof acrylic composite lens
- 90+ CRI
- 97 LPW LEDs producing high efficiency fixture performance
- LM-80 data
- Dimmable

#### Dimming

Marquise Series Dimming: 850 and 1250 lumen units require triac style dimmers. 2000 Lumen require 0-10V dimming protocol. See Dimmer Compatibility Chart under Resource section in the Nora I NSpec Lighting Website.

#### Comfort Dim

Comfort Dim color tunes the temperature from a bright 2700K, to a romantic and comfortable 1800K on a gradual, even curve.

Comfort Dim is available in 3 different lumen levels:

- 850 and 1250 Lumens for lower ceiling heights in commercial and residential applications. (Sapphire and Marquise Series)
- 2000 Lumens for light commercial and residential high veiling applications. 2000 Lumen available on 6" Marquise.

#### Labels and Listings

Title 24 Compliant  
 cULus Listed for Wet Location  
 WSEC ASTM E283 for Air-Tight  
 5 Year Limited Warranty

#### 6" LED with Reflector Trim

| Catalog No.                             | Source       | Lumen                                   | Color Temp                               |
|---|--------------|---|--|
| <input type="checkbox"/> NRM-611        | <b>L=LED</b> | <input type="checkbox"/> 85=850         | <input type="checkbox"/> 27=2700K        |
| <input type="checkbox"/> NRM-612        |              | <input type="checkbox"/> 12=1250        | <input type="checkbox"/> <b>30=3000K</b> |
| <input type="checkbox"/> <b>NRM-618</b> |              | <input type="checkbox"/> <b>20=2000</b> | <input type="checkbox"/> 35=3500K        |
|   |              |   | <input type="checkbox"/> 40=4000K        |
|   |              |   | <input type="checkbox"/> CD=Comfort Dim  |

**\*EM: BSL17-C2/BSL17C-C2 Emergency LED Drive Class 2 Output Compatible with CREE LMH Module.**

#### Deco Glass Options

- NTG-6B/120: 6" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center
- NTG-6B/80: 6" Tempered Blue Glass with 3-1/8" Open Center
- NTG-6CF: 6" Tempered Clear Glass with Frosted Center
- NTG-6FC: 6" Tempered Frosted Glass with Clear Center
- NTG-6HC: 6" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center

#### Finish

| 611/618 Reflector & Flange   | 612 Baffle & Flange Finishes                                  |
|--|---|
| <input type="checkbox"/> BW = Specular Black Reflector, White Flange | <input type="checkbox"/> BW = Black Baffle / White Flange     |
| <input type="checkbox"/> BZ = Bronze Reflector, Bronze Flange        | <input type="checkbox"/> BZ = Bronze Baffle and Flange        |
| <input type="checkbox"/> CO = Copper Reflector, Copper Flange        | <input type="checkbox"/> CO = Copper Baffle and Flange        |
| <input type="checkbox"/> DW = Diffused Clear Reflector, White Flange | <input type="checkbox"/> NN = Natural Metal Baffle and Flange |
| <input type="checkbox"/> HZW = Haze Reflector, White Flange          | <input type="checkbox"/> WW = White Baffle and Flange         |
| <input type="checkbox"/> NN = Natural Metal Reflector & Flange       |   |
| <input type="checkbox"/> <b>WW = White Reflector, White Flange</b>   |   |

**Marquise Series**

**6" Dedicated LED with Reflector Trim**

Source: LED 10.6 Watts @ 850 Source Lumens = 663 Delivered Lumens  
 LED 15.75 Watts @ 1250 Source Lumens = 1025 Delivered Lumens  
 LED 24.32 Watts @ 2000 Source Lumen = 1744 Delivered Lumens

|              |
|--------------|
| Type         |
| Project      |
| Catalog No.  |
| Lamp/Wattage |

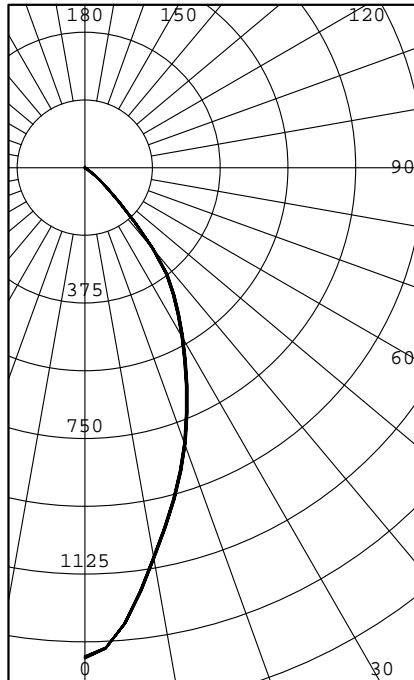
**NHM-612LE1 / NRM-611L1230DW**

|                           |                       |                        |                          |                          |                  |                |
|---------------------------|-----------------------|------------------------|--------------------------|--------------------------|------------------|----------------|
| <b>Voltage:</b> 120.1 VAC | <b>Power:</b> 15.52 W | <b>Frequency:</b> 60Hz | <b>Test Temp:</b> 24.8°C | <b>Current:</b> 0.1317 A | <b>PF:</b> 0.983 | <b>SC:</b> 0.7 |
|---------------------------|-----------------------|------------------------|--------------------------|--------------------------|------------------|----------------|

COEFFICIENTS OF UTILIZATION CONAL CAVITY METHOD  
 EFFECTIVE FLOOR CAVITY REFLECTANCE = 0.20

| CC   | 90   |      |      |      | 80   |      |      |      | 70   |      |      |      | 50   |      |      | 30   |      |      | 10   |      |      | 0    |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| WALL | 70   | 50   | 30   | 10   | 70   | 50   | 30   | 10   | 70   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 50   | 30   | 10   | 0    |
| RCR  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0    | 1.22 | 1.22 | 1.22 | 1.22 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1    | 1.16 | 1.13 | 1.11 | 1.09 | 1.14 | 1.12 | 1.09 | 1.07 | 1.12 | 1.10 | 1.07 | 1.05 | 1.05 | 1.04 | 1.02 | 1.02 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 |
| 2    | 1.11 | 1.07 | 1.03 | 0.99 | 1.09 | 1.05 | 1.02 | 0.98 | 1.07 | 1.03 | 1.00 | 0.97 | 1.00 | 0.97 | 0.95 | 0.97 | 0.95 | 0.93 | 0.95 | 0.93 | 0.91 | 0.90 |
| 3    | 1.06 | 1.00 | 0.95 | 0.91 | 1.04 | 0.99 | 0.94 | 0.91 | 1.03 | 0.97 | 0.93 | 0.90 | 0.95 | 0.92 | 0.89 | 0.93 | 0.90 | 0.87 | 0.90 | 0.88 | 0.86 | 0.85 |
| 4    | 1.02 | 0.94 | 0.89 | 0.85 | 1.00 | 0.93 | 0.88 | 0.85 | 0.98 | 0.92 | 0.88 | 0.84 | 0.90 | 0.86 | 0.83 | 0.88 | 0.85 | 0.82 | 0.86 | 0.84 | 0.81 | 0.80 |
| 5    | 0.97 | 0.89 | 0.83 | 0.79 | 0.95 | 0.88 | 0.82 | 0.79 | 0.94 | 0.87 | 0.82 | 0.78 | 0.85 | 0.81 | 0.78 | 0.83 | 0.80 | 0.77 | 0.82 | 0.79 | 0.76 | 0.75 |
| 6    | 0.93 | 0.84 | 0.78 | 0.74 | 0.91 | 0.83 | 0.78 | 0.74 | 0.90 | 0.82 | 0.77 | 0.73 | 0.81 | 0.76 | 0.73 | 0.79 | 0.75 | 0.72 | 0.78 | 0.75 | 0.72 | 0.71 |
| 7    | 0.87 | 0.79 | 0.73 | 0.69 | 0.86 | 0.78 | 0.72 | 0.69 | 0.85 | 0.77 | 0.72 | 0.68 | 0.76 | 0.71 | 0.68 | 0.75 | 0.71 | 0.67 | 0.74 | 0.70 | 0.67 | 0.66 |
| 8    | 0.84 | 0.74 | 0.68 | 0.64 | 0.82 | 0.73 | 0.68 | 0.64 | 0.81 | 0.72 | 0.67 | 0.64 | 0.72 | 0.67 | 0.64 | 0.71 | 0.66 | 0.63 | 0.70 | 0.66 | 0.63 | 0.62 |
| 9    | 0.79 | 0.70 | 0.64 | 0.59 | 0.78 | 0.69 | 0.63 | 0.59 | 0.77 | 0.68 | 0.63 | 0.59 | 0.67 | 0.63 | 0.59 | 0.67 | 0.62 | 0.59 | 0.66 | 0.62 | 0.59 | 0.57 |
| 10   | 0.75 | 0.65 | 0.59 | 0.56 | 0.74 | 0.65 | 0.59 | 0.55 | 0.73 | 0.64 | 0.59 | 0.55 | 0.64 | 0.59 | 0.55 | 0.63 | 0.58 | 0.55 | 0.62 | 0.58 | 0.55 | 0.54 |

**INTENSITY (CANDLEPOWER) SUMMARY**



| ANGLE | MEAN CP |
|-------|---------|
| 0     | 1356    |
| 5     | 1267    |
| 10    | 1097    |
| 15    | 951     |
| 20    | 809     |
| 25    | 667     |
| 30    | 539     |
| 35    | 428     |
| 40    | 292     |
| 45    | 134     |
| 50    | 54      |
| 55    | 18      |
| 60    | 1       |
| 65    | 0       |
| 70    | 0       |
| 75    | 0       |
| 80    | 0       |
| 85    | 0       |
| 90    | 0       |

**ZONAL LUMENS & PERCENTAGES**

| ZONE   | LUMENS | % LUMINAIRE |
|--------|--------|-------------|
| 0-30   | 686    | 63.49       |
| 0-40   | 949    | 87.81       |
| 0-60   | 1081   | 99.99       |
| 0-90   | 1081   | 100.00      |
| 40-90  | 132    | 12.19       |
| 60-90  | 0      | 0.01        |
| 90-180 | 0      | 0.00        |
| 0-180  | 1080   | 100.00      |

**LUMINACE SUMMARY CD./SQ.M.**

| ANGLE | MEAN CD/SQ M |
|-------|--------------|
| 45    | 11335        |
| 55    | 1924         |
| 65    | 2            |
| 75    | 0            |
| 85    | 0            |





IL-C13BS

### Product Specifications

Features :

- Model IL-C13BS
- CCT 4000K
- Description 25W Aluminum Bollard Light
- Dimensions 39.37" H x 6.61" D
- CRI 75
- Finishes Bronze - Black finish available on request
- Power 25W
- Input Voltage 100-240V
- Suitable Outdoor
- Lumens 1500
- Power Factor 50-60Hz
- Certification IP65
- Warranty 3 years

See ordering information on specification sheets for options.

[DOWNLOAD SPECIFICATION SHEET](#)

### DIMENSIONS

39.37" H x 6.61" D

