VII. D

690 Chesterfield Pkwy W ● Chesterfield MO 63017-0760
Phone: 636-537-4000 ● Fax 636-537-4798 ● www.chesterfield.mo.us

Planning Commission Staff Report

Project Type: Site Development Section Plan

Meeting Date: July 9, 2018

From: Mike Knight, Planner JMK

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

Description: **Summit-Topgolf Lot A (Residence Inn):** 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.

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 3012. 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. The project was reviewed by the Architectural Review Board on May 10, 2018. A motion was made to forward the Site Development Section Plan to the Planning Commission with a recommendation for approval by a vote of 5-0 with the following conditions: The white siding be substituted for the off-white, increase the landscaping along the front parking area to provide a continuous hedge along I-64, and research options for a pedestrian connection to the west. All of the ARB conditions have been fulfilled by the applicant.

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 Ordinance 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. In June of 2018, Ordinance 2932 was amended by the current governing Ordinance 3012 in which the total building floor area for the entire Summit-Topgolf development was increased from 150,000 to 200,000 square feet. The subject site for this submittal is governed under City of Chesterfield Ordinance 3012.

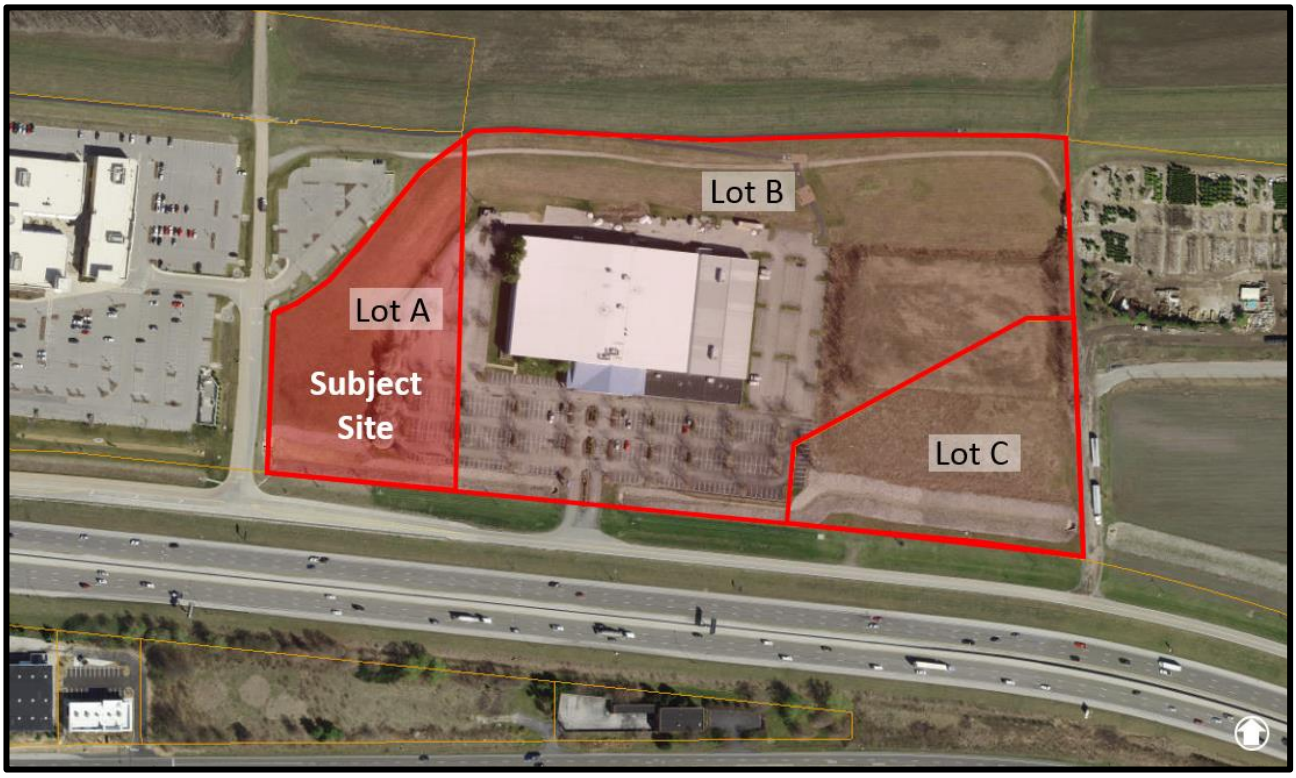


Figure 1: Aerial Site Photo

SURROUNDING LAND USES

The land use and zoning for the properties surrounding this parcel are as follows

North

The Monarch Chesterfield Levee is located directly to the north with Flood Plain Non-Urban zoned property, currently being used for the stockpiling of dirt

South

The subject site is bordered by North Outer 40 and Interstate 64 to the south. The Kemp Auto Museum is the nearest subdivision.

East

The property to the east is zoned a combination of Agriculture and Non-Urban, currently being used for agricultural operations including a plant nursery.

West

The property to the west is the Chesterfield Outlets and is currently zoned Planned Commercial.

COMPREHENSIVE PLAN

The subject site is located within Ward 4 of the City of Chesterfield and is within the Mixed Commercial Use land use designation per the City's Comprehensive Land Use Plan. The Comprehensive Plan designates the permitted land uses under Mixed Commercial Use as Retail, Low-Density Office, and Limited Office/Warehouse Facilities.

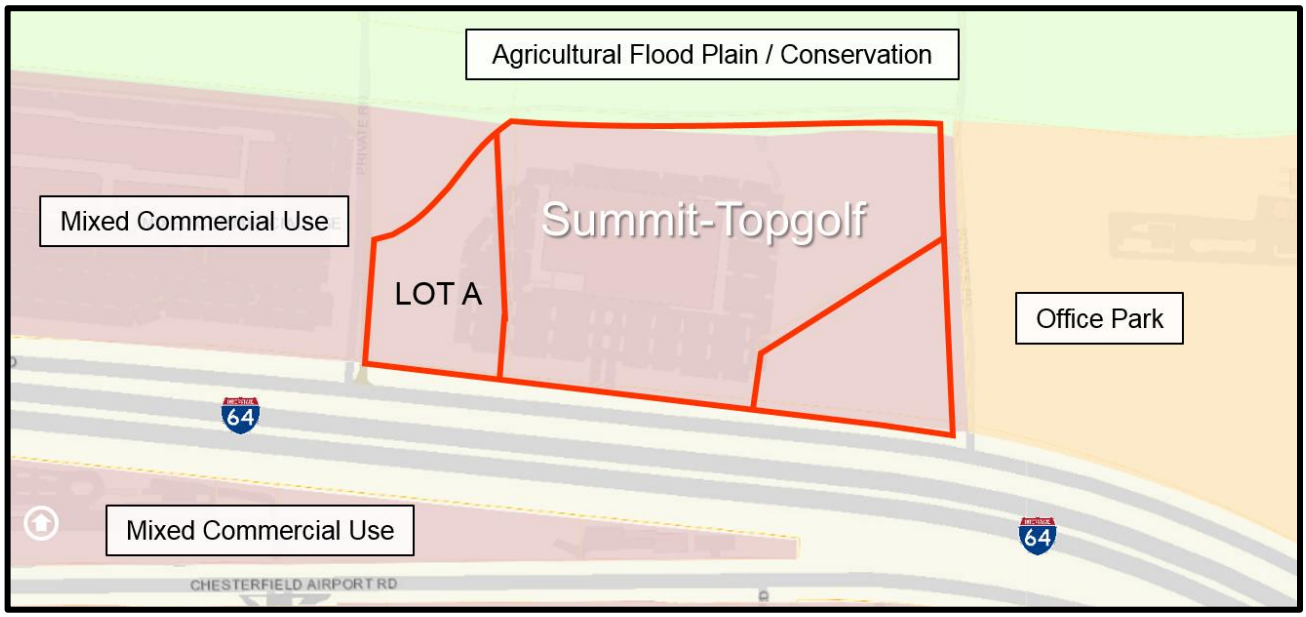


Figure 2: Comprehensive Land Use Plan

Chesterfield Valley Design Policies: The City of Chesterfield's Comprehensive Plan has a specific Chesterfield Valley Policies Element. 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 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. Lights that are not fully shielded flat lensed fixtures that enhance the architecture will require separate approval from Planning Commission and are discussed later in the report.

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 SDSP 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 SDSP contains pedestrian infrastructure that both circumnavigates the hotel itself but also connects to both the eastern and western parcels.

STAFF ANALYSIS

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 Chesterfield Outlet Mall is to the west.

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.

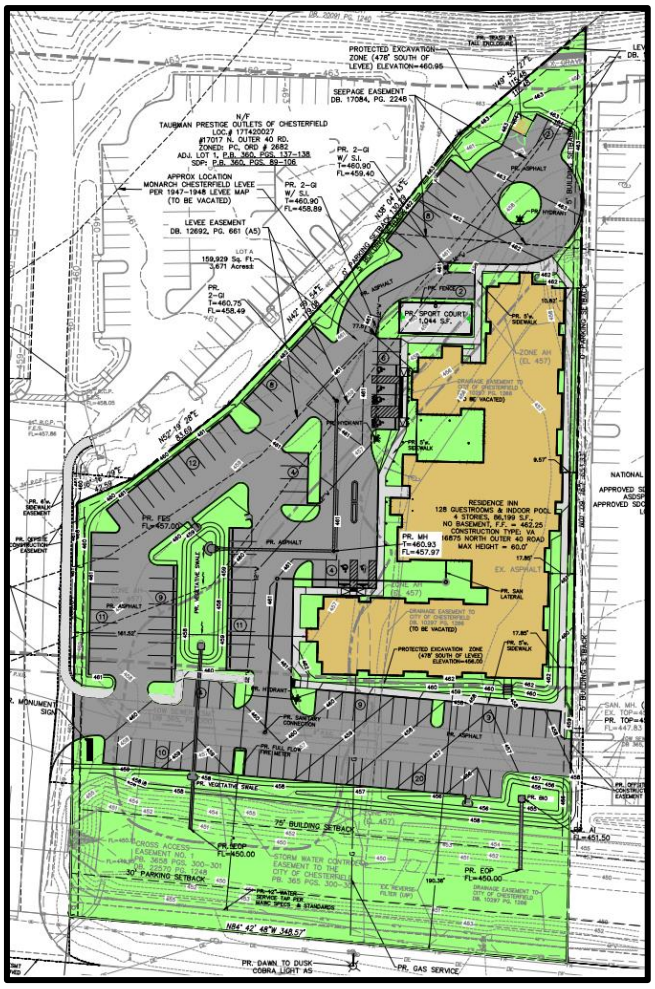


Figure 3: Color Site Plan

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.

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 Chesterfield Outlet building is 468'. There are no retaining walls required or planned for this development.

Architectural Elevations

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 0.55.

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 3012. The Chesterfield 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.

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 building materiality will be expressed in the use of native finishes. The use of stone and fiber cement panels are used in which the architect references is 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. Figures 4-7 on the next page depict each elevation.

Figure 4: South Elevation

Figure 5: West Elevation

Figure 6: East Elevation

Figure 7: North Elevation

Landscape Design and Screening

A Landscape Plan has been submitted and reviewed by 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. A row of hedges along the southern boundary line provides screening from vehicular lights shining off I-64 as part of the 30' landscape buffer.

Lighting

Lighting consists of utilitarian and decorative lighting. The development will utilize several different lighting strategies. For the site lighting, 20' high pole mounted, 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 have 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 approval from Planning Commission. Lighting placement throughout the site can be seen in Figure 9, and the three fixtures that require separate approval can be seen in Figure 10.

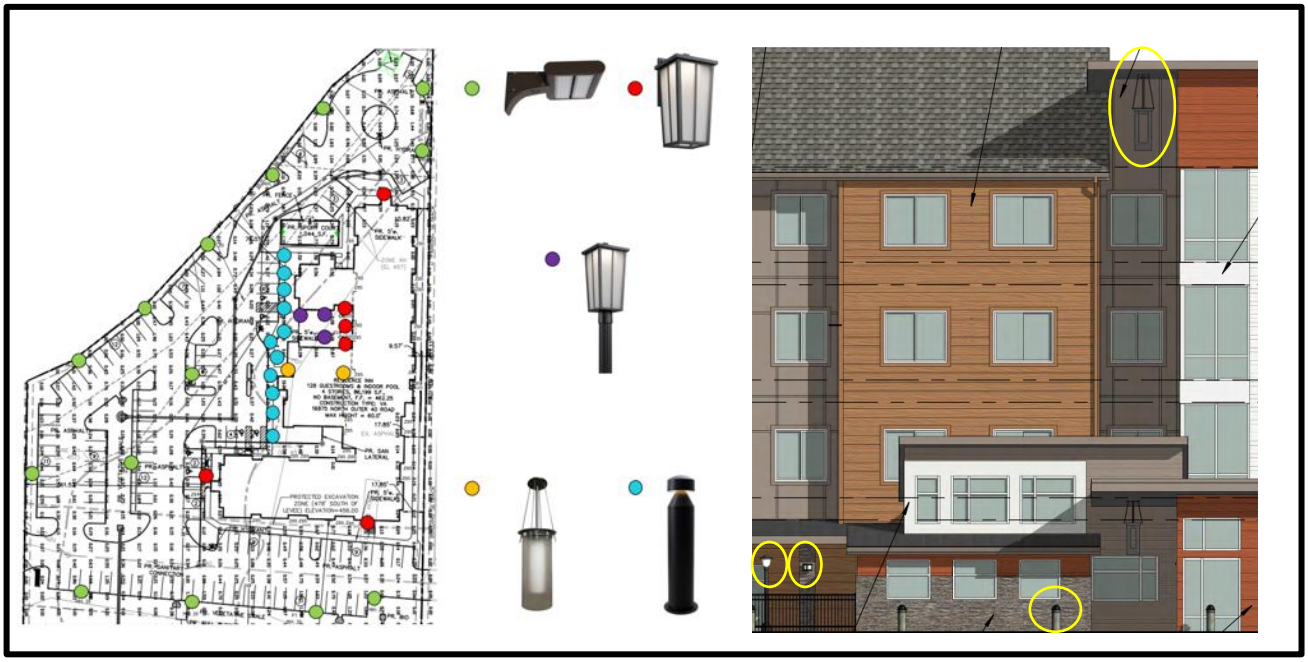


Figure 9: Lighting

Flat Lensed	Yes
Fully Shielded	No
Quantity	1

Flat Lensed	No
Fully Shielded	Yes
Quantity	2

Flat Lensed	No
Fully Shielded	Yes
Quantity	32

Figure 10: Lighting for Approval

STAFF RECOMMENDATION

Staff has reviewed the Site Development Section Plan, Landscape Plan, Tree Preservation Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design and has found the proposal to be in compliance with the site specific ordinance, Comprehensive Plan, and all City Code requirements. Staff recommends approval on the proposed development of Residence Inn (16875 North Outer 40 Road).

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

1) "I move to approve (or deny) 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).

2) "I move to approve 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) with the following conditions…" (Conditions may be added, eliminated, altered or modified)

Attachments: Site Development Section Plan
Landscape Plan
Lighting Plan
Architect's Statement of Design
Architectural Elevations
Architectural Rendering

SITE DEVELOPMENT SECTION PLAN

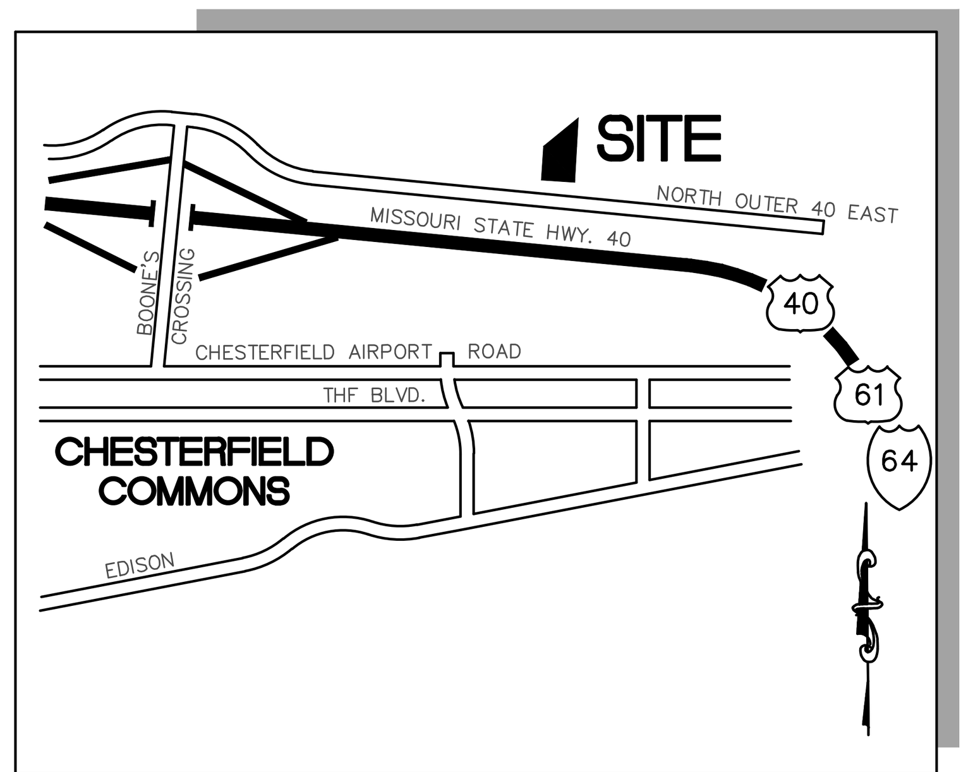
A TRACT OF LAND BEING LOT A OF "SUMMIT-TOPGOLF SUBDIVISION" AS RECORDED IN PLAT BOOK 365, PAGES 300-301 AND PART OF U.S. SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN
CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

ABBREVIATIONS

ATG	–	ADJUST TO GRADE
B.C.	–	BACK OF CURB
C.O.	–	CLEANOUT
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
PB.	–	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.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

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 442
PROPOSED SPOT 442.25
PROPOSED STORM
PROPOSED SANITARY
PROPOSED SPORT COURT FENCE



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
WUNNENBERG'S:	PG. 21, GRID 18FF
FIRE DISTRICT:	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 REQUIRED: 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 (applicable subsection) (present zoning) of the City of Chesterfield

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:__________

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.

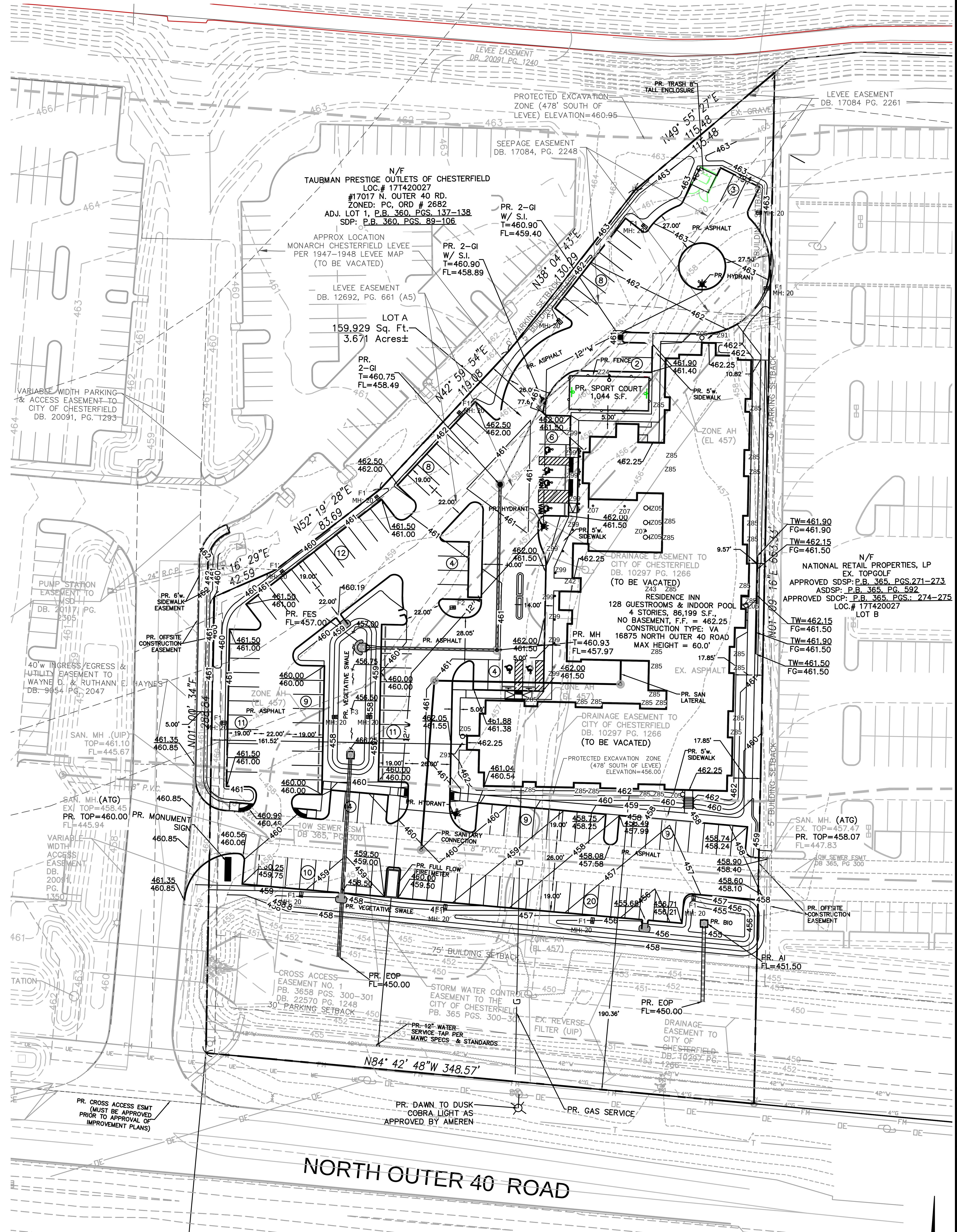
SITE BENCHMARK

#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 KOSHIYA
1645 SWIFT AVE
NORTH KANSAS CITY, MO 64116



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

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 Hass, City Clerk

SHEET INDEX

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft.

PREPARED BY:
Stock & Associates Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130
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 PE-25116
PROFESSIONAL ENGINEER
6/25/18

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

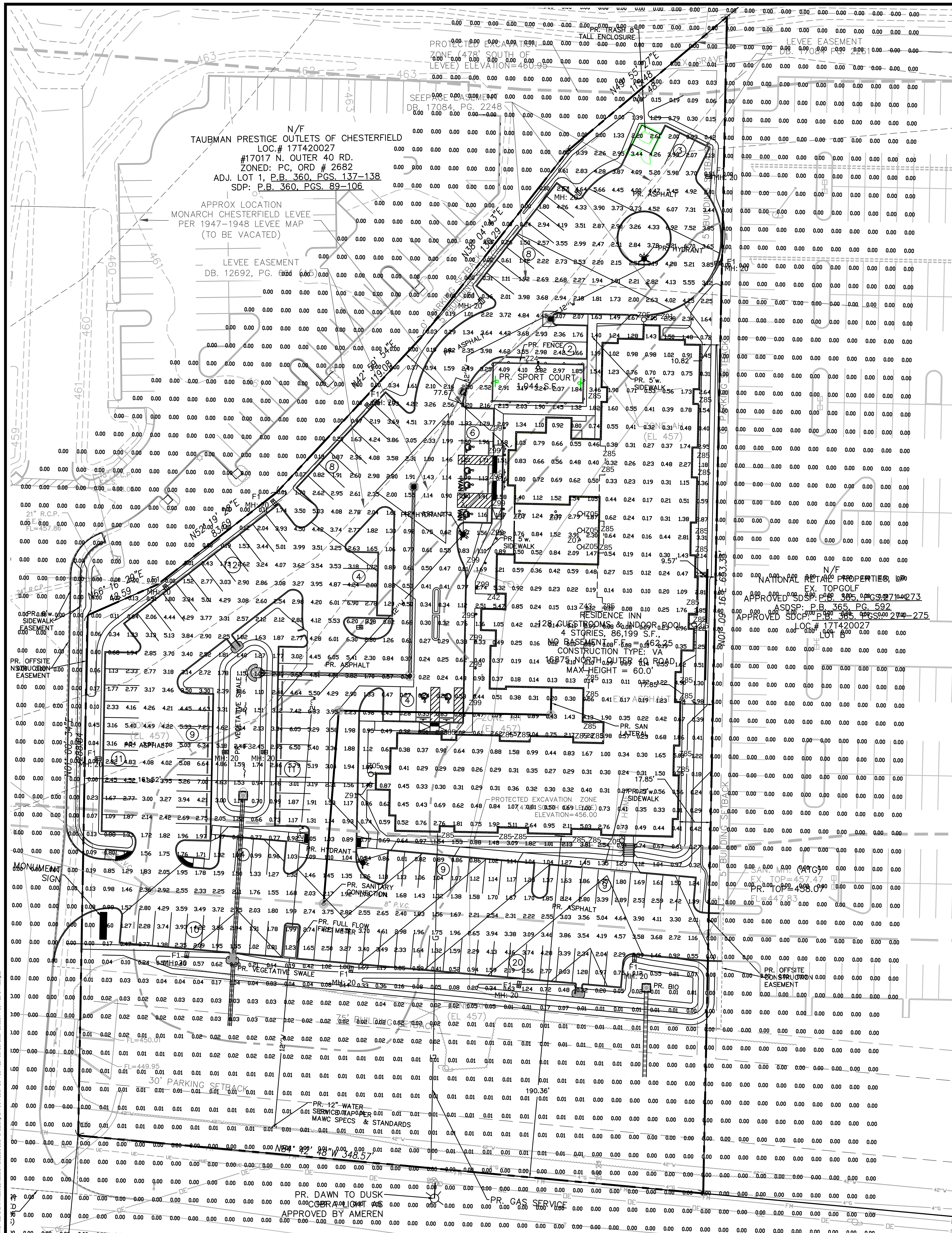
REVISIONS:

1.	3/19/18 CITY COMMENTS
2.	3/26/18 PHOTOMETRIC
3.	4/18/18 CITY COMMENTS
4.	6/13/18 CITY COMMENTS
5.	6/25/18 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 #: 17T
S.L.C. H&T #: –	H&T S.U.P. #: –
M.D.N.R. #: –	

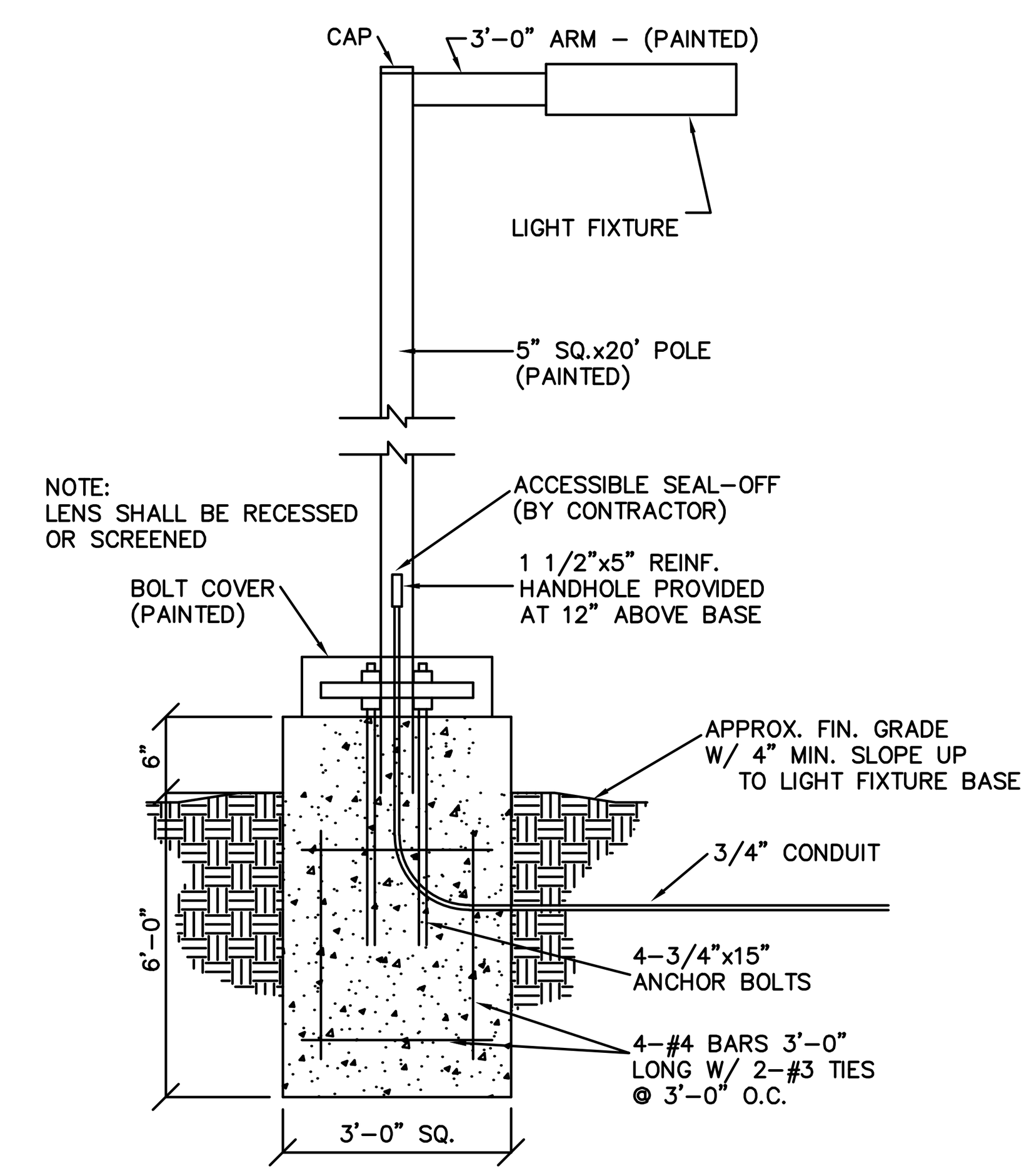
SHEET TITLE:
SITE DEVELOPMENT SECTION PLAN

SHEET NO.:
SDSP-1.0



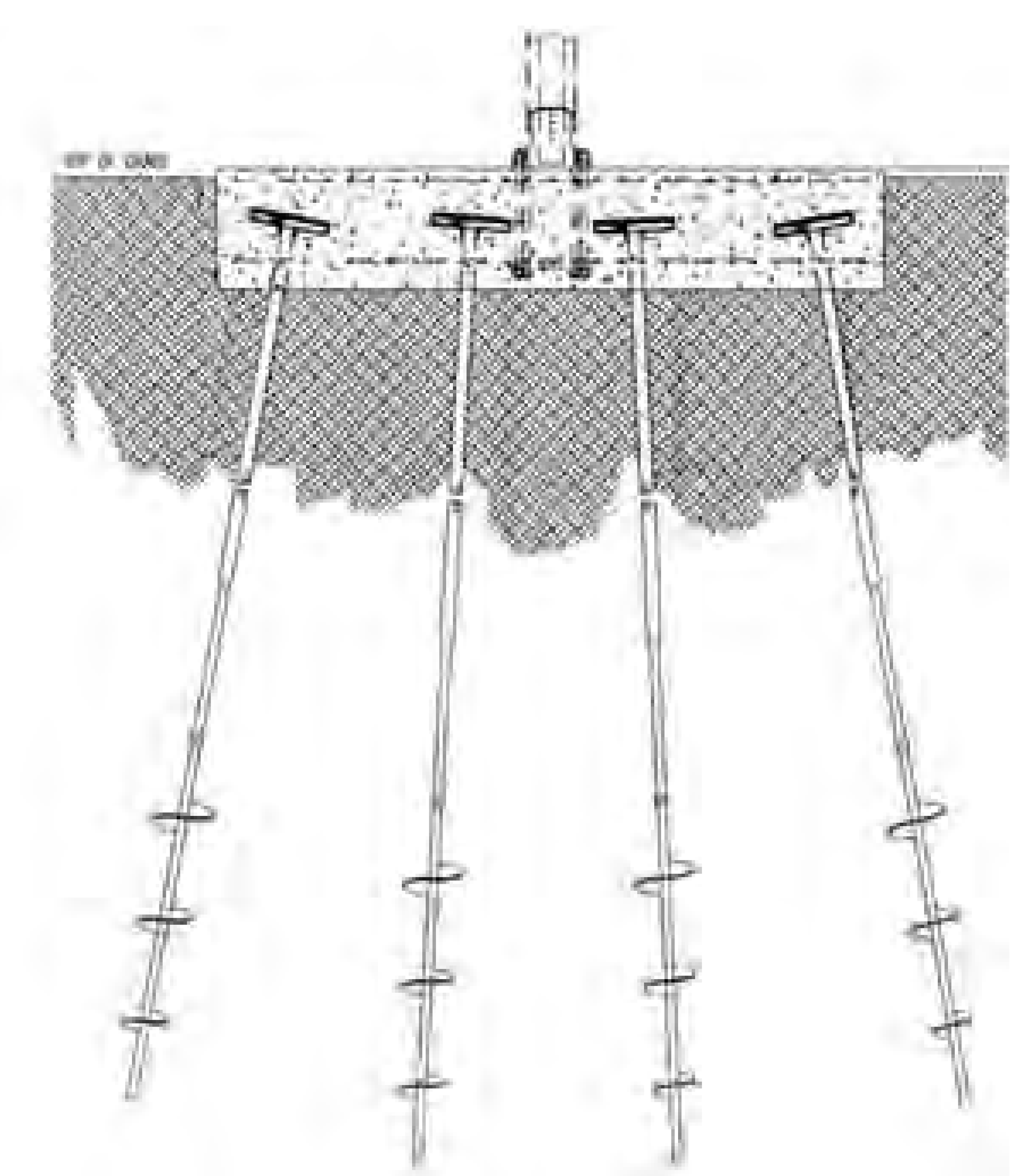
Symbol	Type	Quantity	Article number	Article name	Equipment	Fully Shielded	Flat Lensed
	Z05	07	49623BKTLED	Amber Vallye	1x Sconce LIGHT LED 17W	YES	YES
	Z07	03	49625BKTLED	Lantern	1x Decorative LIGHT LED 17W	YES	YES
	Z24	01	LI-FLDF050-XYZ	ELENORA - 50W -3	1x AREA LIGHT LED 50W - Type 4	NO	YES
	Z42	01	CL914	Exterior Pendant	1x Exterior Pendant 51W	YES	NO
	Z43	01	CLK913	Exterior Pendant	1x Exterior Pendant 75W	YES	NO
	Z85	30	IL-D536	LED Downlight	1x Downlight 20W LED	YES	NO
	Z91	02	NHM-612	LED Downlight	1x Downlight 1250 lm LED	YES	NO
	Z99	11	IL-C13BS	LED BOLLARD	1x LED BOLLARD 25W	YES	YES
	F1	12	LI-PLYR298-W150	AURA - 150W -4	1x AREA LIGHT LED 50W - Type 4	YES	YES
	F2	2	LI-PLYR298-W150	AURA - 150W -3	1x AREA LIGHT LED 50W - Type 3	YES	YES
	F3	1	LI-PLYR298-W150	AURA - 150W -4	1x AREA LIGHT LED 50W - Type 4	YES	YES

AREA	AVERAGE ILLUMINANCE	MINIMUM ILLUMINANCE	MAXIMUM ILLUMINANCE	AVG/MIN	MAX/MIN
ENTIRE SITE	0.66	0.00	7.52	NA	NA
PAVEMENT AREA	2.88	0.69	7.59	4.17	11.00



AREA LIGHT & POLE DETAIL
(n.t.s.)

New Construction Pile Cap for Compression and Uplift



NOTE:

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

GRAPHIC SCALE

30 0 15 30 60 120

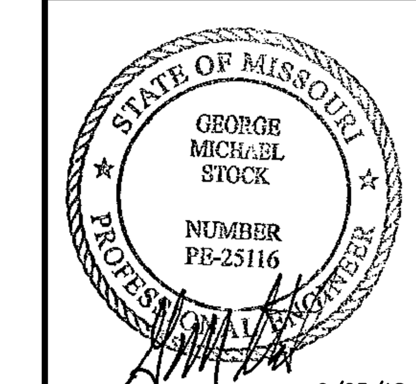
(IN FEET)
1 inch = 30 ft.

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH. (636)
530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:

RESIDENCE INN

LOT A
CITY OF CHESTERFIELD, MISSOURI 63005



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

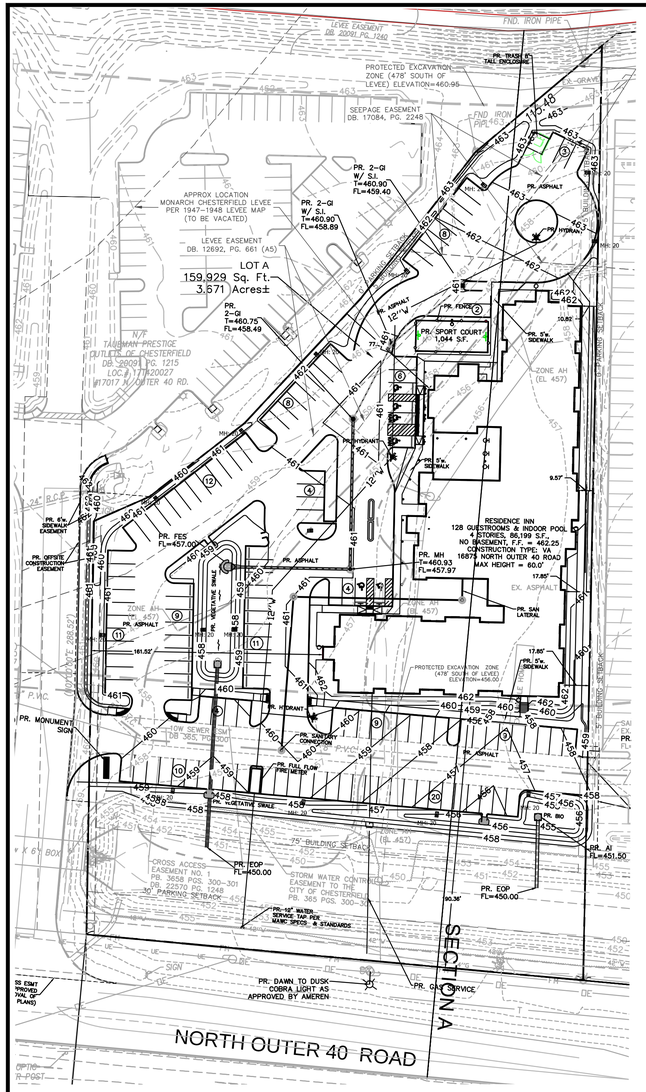
REVISIONS:

1.	3/19/18 CITY COMMENTS
2.	3/26/18 PHOTOMETRIC
3.	4/18/18 CITY COMMENTS
4.	6/13/18 CITY COMMENTS
5.	6/25/18 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 #: 17T
S.L.C. H&T #: –	H&T S.U.P. #: –
M.D.N.R. #: –	

SHEET TITLE: PHOTOMETRIC PLAN

SHEET NO.: SDSP-2.0



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

Defense
Ball Containment prevents home and landscape damage caused by runaway sports equipment. Plus, you spend more time practicing shots instead of chasing the ball!

Practice anytime
Sport Court® Rebounders enhance practice for soccer, tennis, baseball and basketball by allowing you to practice anytime of the day without your team.

Improve skills
Hone your quickness, strength, stamina and accuracy with fast and accurate ball return rates from your Rebounder.

Durability
Galvanized, powder coated steel poles and UV-protected nets can withstand any climate and aggressive play.

Ball Containment Systems:
Custom built for every game court.

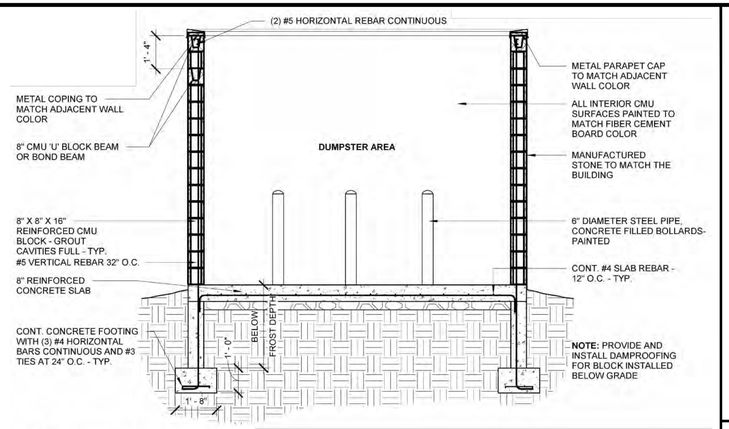
Rebounder kit includes:
Frame kit, black rebounder net, black bottom apron, 15 adjustment straps, 35 tension bands, white line marker and center tie strap. Available in 10x10 and 10x20.

SPORT COURT
A Gerflor company

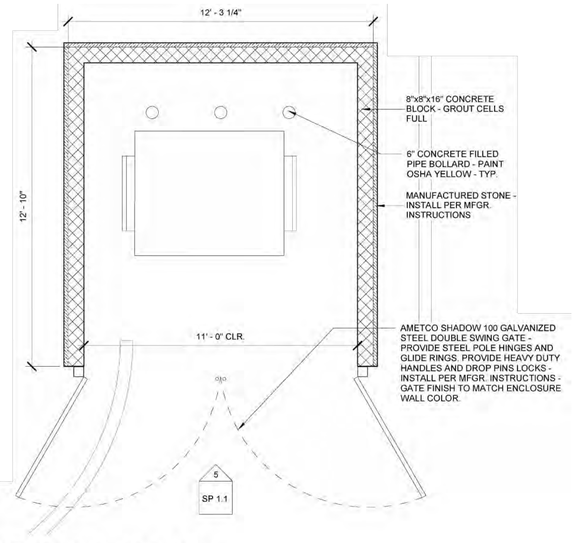
SPORTCOURT.COM
800-421-8112
Sport Court is ZeroWaste and Bio-certified

SPORT COURT FENCE DETAIL
(N.T.S.)

NOTE:
SPORT COURT MATERIALS:
1. POWDER COATED STEEL POLES
2. 10' UV-PROTECTED MESH NET

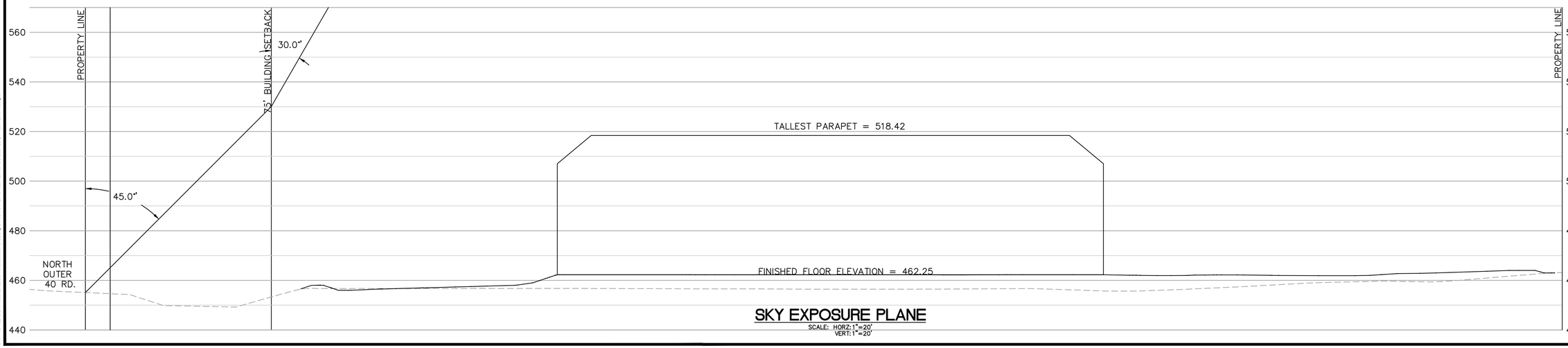


6 DUMPSTER ENCLOSURE SECTION
SCALE: 3/8" = 1'-0"



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

SECTION A PROFILE



SKY EXPOSURE PLANE
SCALE: HORZ: 1"=20'
VERT: 1"=20'

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH. (636) 530-9100 FAX. (636) 530-9130
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 PE-25116
PROFESSIONAL ENGINEER
6/25/18

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

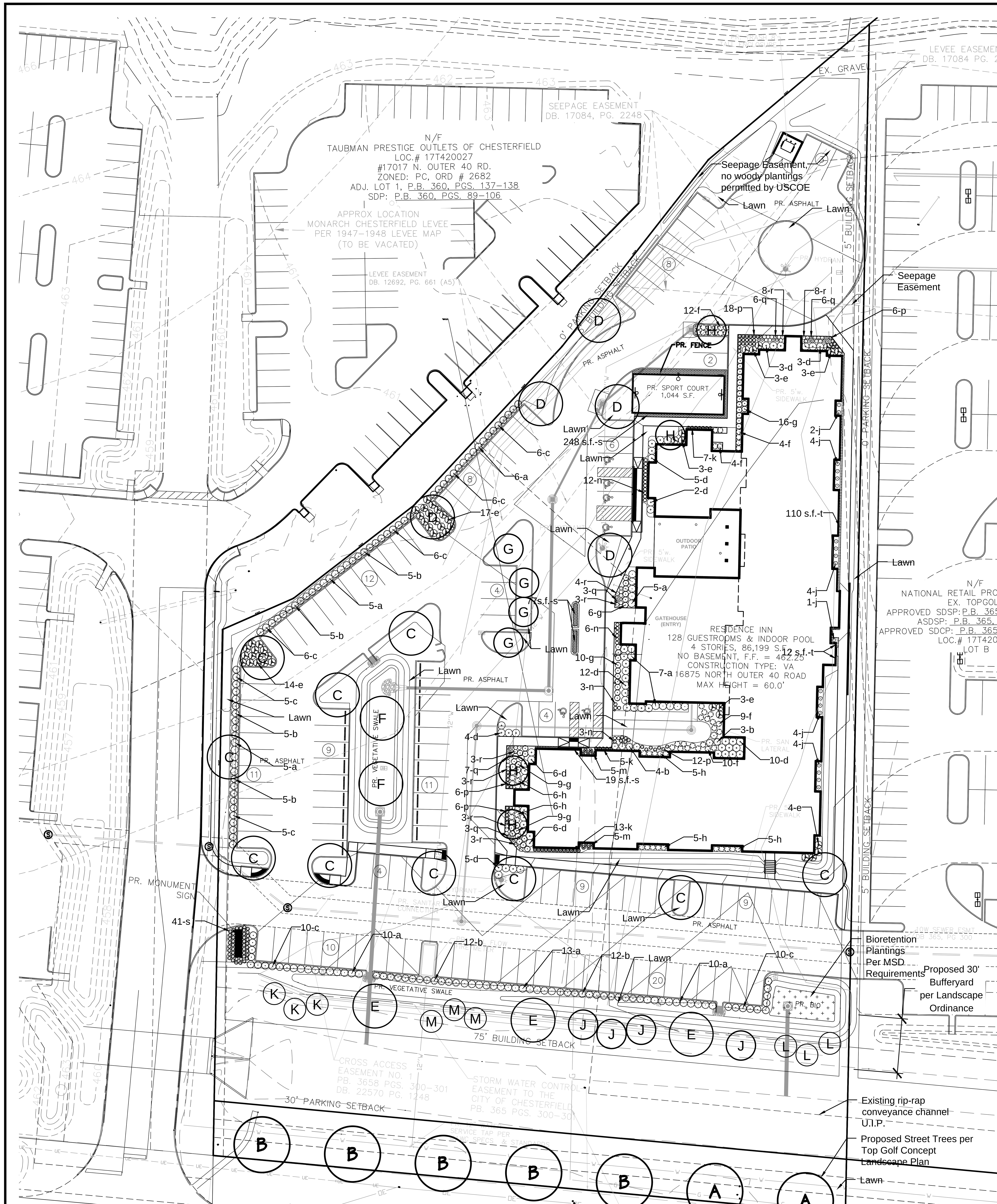
REVISIONS:

1.	3/19/18 CITY COMMENTS
2.	3/26/18 PHOTOMETRIC
3.	4/18/18 CITY COMMENTS
4.	6/13/18 CITY COMMENTS
5.	6/25/18 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 #: 17T
S.L.C. H&T #: –	H&T S.U.P. #: –
M.D.N.R. #: –	

SHEET TITLE:
SKY EXPOSURE PLAN

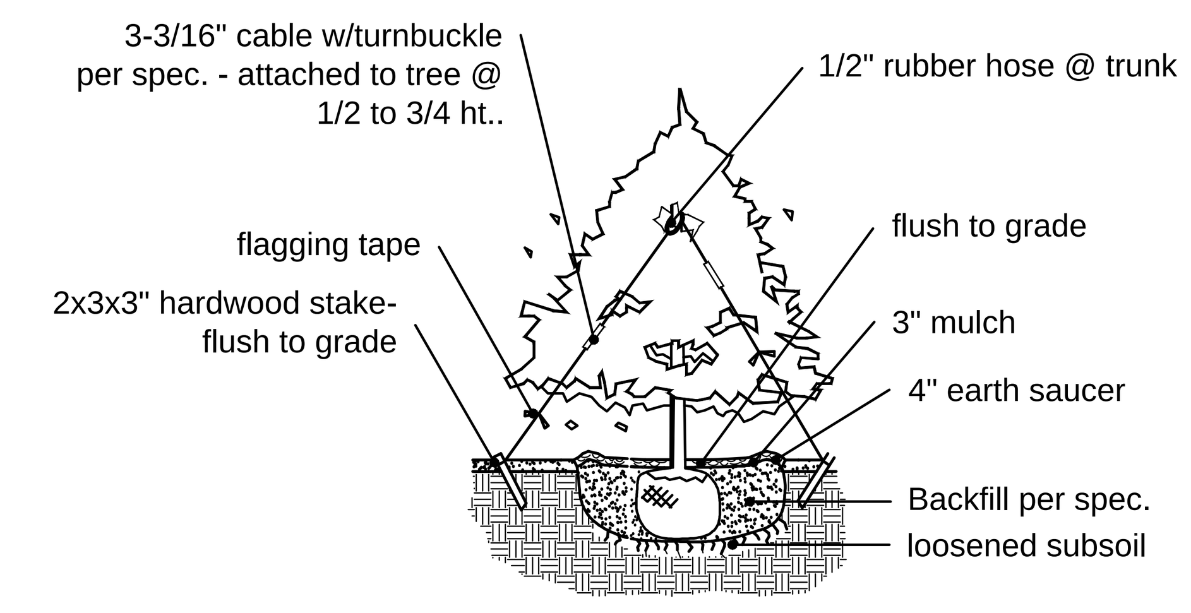
SHEET NO.:
SDSP-3.0



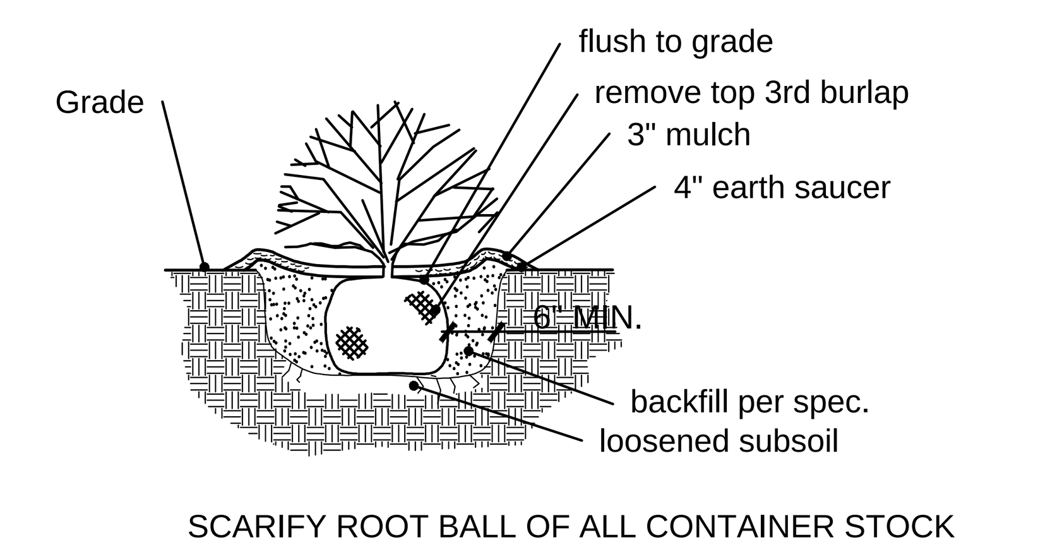
Landscape Plan

SCALE 1"=30'

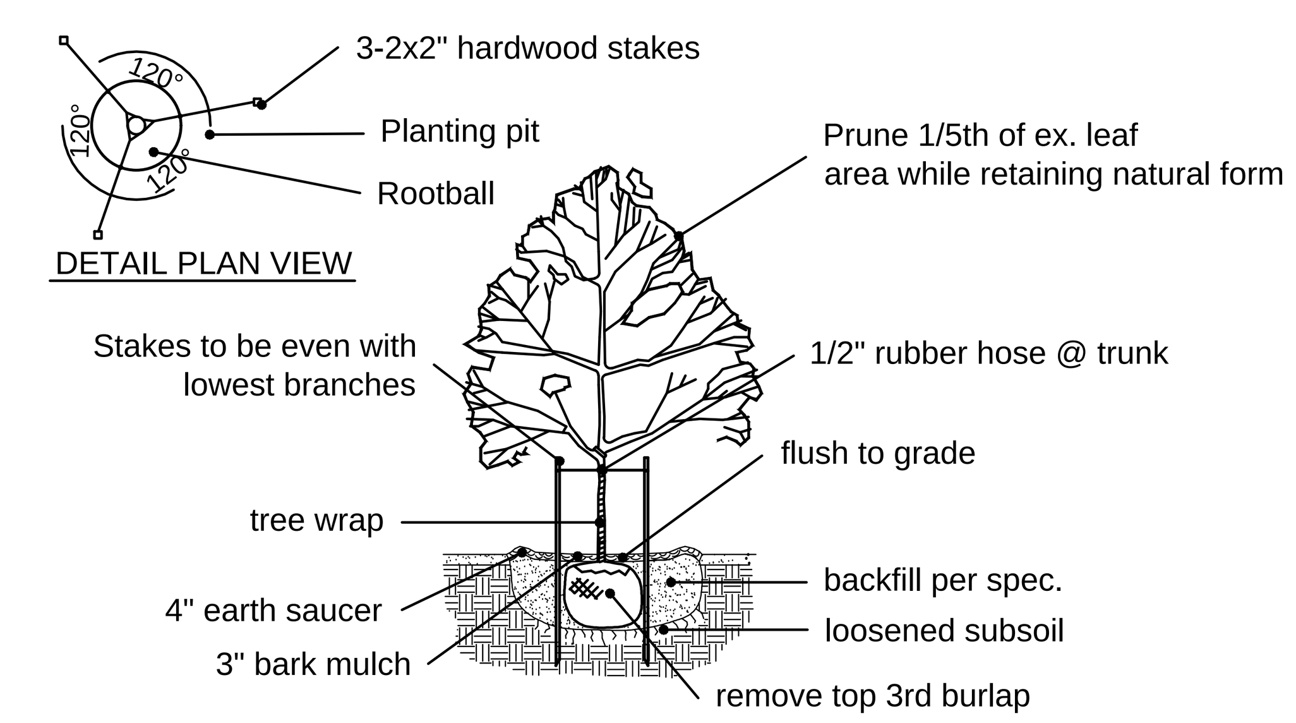
0 30 60 120



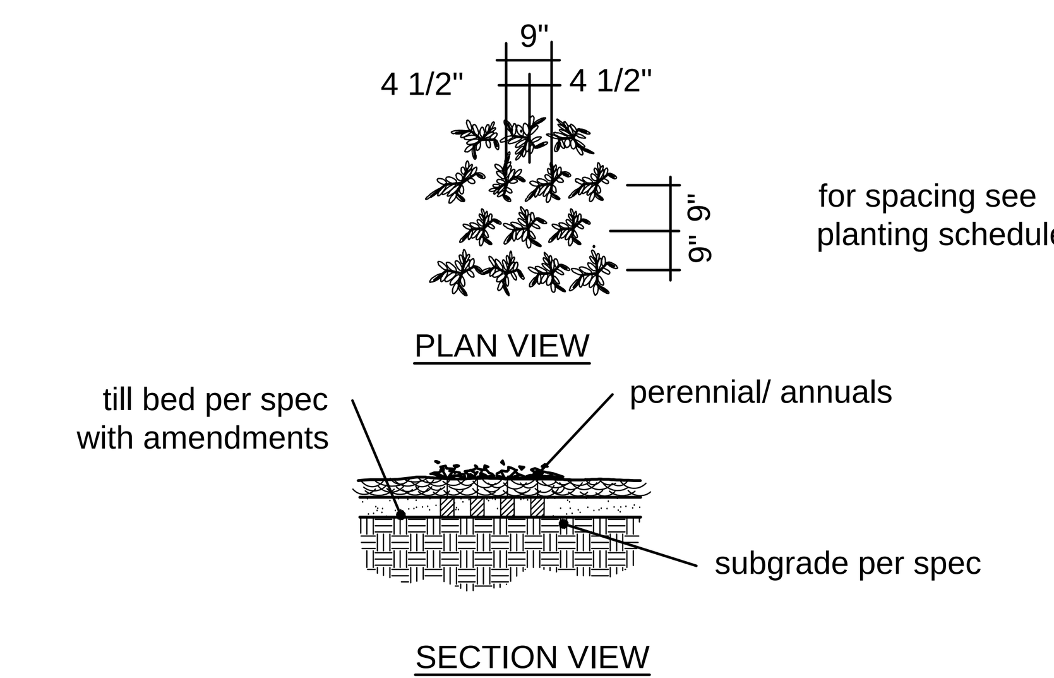
TYPICAL EVERGREEN PLANTING



TYPICAL SHRUB PLANTING



CANOPY TREE PLANTING



TYPICAL PERENNIAL PLANTING

PLANTING SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	SIZE/GROWTH RATE	SLOW/MEDIUM GROWTH RATE %
CANOPY-SHADE TREES							
A	2	Carpinus betula	European Hornbeam	2.5" cal.	B&B	Med/Slow-M	4 %
B	5	Quercus acutissima	Sawtooth Oak	2.5" cal.	B&B	Lg/Med	10 %
C	11	Acer x Freemanii 'Armstrong'	Armstrong Maple	2.5" cal.	B&B	Lg/Fast	
D	5	Zelkova serrata 'Green Vase'	Green Vase Zelkova	2.5" cal.	B&B	Lg/Fast	
E	3	Quercus bicolor	Swamp White Oak	2.5" cal.	B&B	Lg/Med	6 %
F	2	Ostrya virginiana	Hophornbeam	2.5" cal.	B&B	Med/Slow-M	4 %
UNDERSTORY-ORNAMENTAL TREES							
G	4	Carpinus caroliniana	American Hornbeam	2.5" cal.	B&B	Small/Med	8 %
H	4	Prunus sargentii 'Columnaris'	Columnar Sargent Cherry	2.5" cal.	B&B	Med/Med	8 %
J	4	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2.5" cal.	B&B	Med/Slow-M	8 %
EVERGREEN TREES							
K	3	Picea glauca	White Spruce	6' h.	B&B	Med/M-Fast	
L	3	Picea abies	Norway Spruce	6' h.	B&B	Lg/M-Fast	
M	3	Pinus strobus	White Pine	6' h.	B&B	Lg/Fast	
						Total	48 %

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUBS-GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER					
a	49	Ilex glabra	Inkberry	24"	Container
b	44	Syringa meyeri 'Palibin'	Korean Lilac	24"	Container
c	54	Spiraea japonica 'Anthony Waterer'	Anthony Waterer Spirea	24"	Container
d	56	Buxus sempervirens 'Vardar Valley'	Vardar Valley Boxwood	24"	Container
e	47	Ceanothus americanus	New Jersey Tea	24"	Container
f	39	Spiraea nipponica 'Snowmound'	Snowmound Spirea	24"	Container
g	50	Fothergilla gardenii	Dwarf Fothergilla	24"	Container
h	27	Abelia × grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	18"	Container
j	19	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	18"	Container
k	25	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gal.	Container
m	10	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	1 gal.	Container
n	24	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	1 gal.	Container
p	48	Sporobolus heterolepis 'Tara'	Tara Prairie Dropseed	2 qt.	Container
q	25	Leucanthemum × superbum 'Crazy Daisy'	Crazy (Shasta) Daisy	2 qt.	24" o.c.
r	35	Achillea 'Coronation Gold'	Coronation Gold Yarrow	2 qt.	24" o.c.
s	366 s.f.	Iberis sempervirens	Candytuft	1 qt.	12" o.c.
t	122 s.f.	Liriope spicata	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.

Jerald Saunders - Landscape Architect
MO License # LA-007

Consultants:

Residence Inn

Lot A, City of Chesterfield, Missouri 63005

Revisions:

Date	Description	No.
2/27/18	City Comments	1
4/17/18	City Comments	2
5/3/18	Plan Changes	3
6/14/18	City Comments	4

Drawn: KP
Checked: RS

loomisAssociates
landscapeArchitects|planners
707 Spirit 40 Park Drive, Suite 135
Chesterfield, Missouri 63005-1194
Loomis Associates Inc.
Missouri State Certificate of Authority #: LAC #000019

Sheet Title: Landscape Plan

Sheet No: L-1

Date: 1/12/18
Job #: 813.063

chasen b. garrett
ARCHITECTS, PLLC

4/20/2018

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 will have one main entry point on the west and will have secondary entry point via the adjacent site. The location of the building on the site required a large circle drive to the north and a connection point to the adjacent site on the southeast. Through these two points there are double loaded corridors and wide drives.

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.

405 Garrison Ave. Ste. 103 · Fort Smith, AR 72901
Phone: 479-652-0175 · Fax: 479-434-5004 · www.cbgarchitects.com

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

MARK	MATERIAL	LOCATION	MANUFACTURER	FINISH DESCRIPTION
AL1	WINDOWS/STOREFRONTS	REFER TO DRAWINGS	VARIES	ALUMINUM FRAME - PRE-FINISHED WHITE
AS1	ASPHALT SHINGLES	TYPICAL ROOF	CERTAINTEED	LANDMARK - WEATHERED WOOD
MR1	STANDING SEAM METAL ROOF	UPPER LOW SLOPE ROOFS	PAC-CLAD	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-9349
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-2858
S1	FIBER CEMENT SIDING	REFER TO DRAWINGS	JAMES HARDIE	HARDIEPLANK LAP SIDING 8" 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-9349
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 8" EXPOSURE - SELECT CEDARMILL TEXTURE - SHERWIN WILLIAMS "BEIGE" SW-2858
S5	FIBER CEMENT SIDING SOFFIT	ROOF SOFFITS	JAMES HARDIE	HARDIE SOFFIT 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"

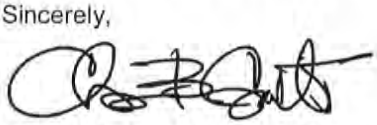
Landscape Design and Screening

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. 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. Mechanical units will be located on the one-story roof areas of the building. These mechanical units will be screened by parapets or roofs.

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

405 Garrison Ave. Ste. 103 · Fort Smith, AR 72901
Phone: 479-652-0175 · Fax: 479-434-5004 · www.cbgarchitects.com

2 SOUTH ELEVATION
SCALE: 1/8" = 1'-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	CERTAINTEED	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 "EXTRA WHITE" SW-7006
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 "EXTRA WHITE" SW-7006
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

Δ#	DESCRIPTION	DATE
	ARB SUBMITTAL	02/26/2018
	ARB SUBMITTAL 2	04/18/2018
	ARB SUBMITTAL 3	06/08/2018

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

STATE OF MISSOURI
CHASEN B. GARRETT
A-2014010812
ARCHITECT

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	CERTAINTEED	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 "EXTRA WHITE" SW-7006
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 "EXTRA WHITE" SW-7006
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

Δ#	DESCRIPTION	DATE
	ARB SUBMITTAL	02/26/2018
	ARB SUBMITTAL 2	04/18/2018
	ARB SUBMITTAL 3	06/08/2018

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

STATE OF MISSOURI
CHASEN B. GARRETT
A-2014010812
ARCHITECT

CHASEN B. GARRETT - ARCHITECT
MO# A-2014010812

DATE:
04/18/2018

SHEET NUMBER:
A202

NORTHWEST RENDERING

SOUTHWEST RENDERING

PLAN STATUS		
Δ#	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 RENDERINGS

04/18/2018

STATE OF MISSOURI
CHASEN B. GARRETT
A-2014010812
ARCHITECT

CHASEN B. GARRETT - ARCHITECT
MO# A-2014010812

DATE:
04/18/2018

SHEET NUMBER:
A203

NORTHEAST RENDERING

SOUTHEAST RENDERING

PLAN STATUS		
Δ#	DESCRIPTION	DATE
	ARB SUBMITTAL 2	04/18/2018

chasen b. garrett
ARCHITECTS, PLLC
P.O. BOX 8336
FORT SMITH, ARKANSAS 72902
479.652.0175

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

EXTERIOR RENDERINGS

04/18/2018

STATE OF MISSOURI
CHASEN B. GARRETT
A-2014010812
ARCHITECT

CHASEN B. GARRETT - ARCHITECT
MO# A-2014010812

DATE:
04/18/2018

SHEET NUMBER:
A204

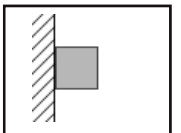
AURA

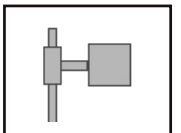
BR

DESCRIPTION

AURA series is the most economical outdoor luminaire suitable for parking lot lighting, and street lighting.

Individual engines with aluminum heatsinks provide easy thermal management.





ORDERING INFORMATION

Model	Watts	Lumen	Optic	Color Temp.	CRI	Optional	Finish color
LI-PLYR298-W150	150	18000	A = Type 3, 4 (Asymmetric)	0 = 4000K 1 = 5000K	80	1 = Dimmable 2 = Occupancy Sensor 3 = Photocell	BR

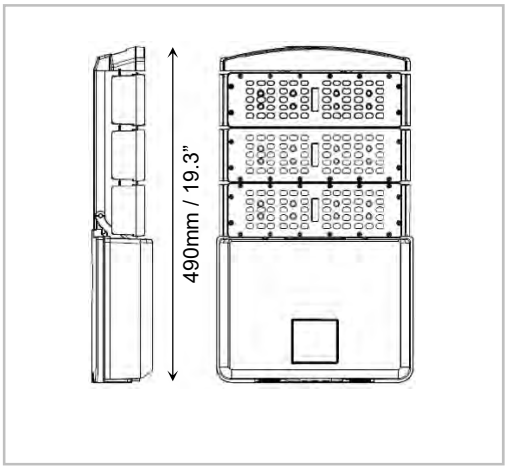
Ordering Example:
LI-PLYR298-W150-150-A-1-1-BR

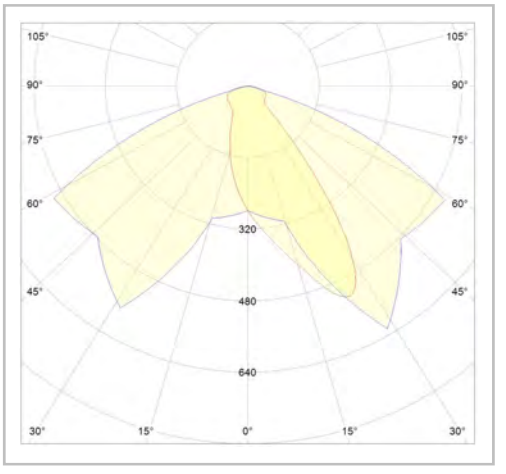
Project name:

AURA

BR

- Material: Aluminum Die Casting. Salt mist resistance & anti aging. High thermal conductivity.
- Bug rating: B2-U0-G2
- Led type: Phillips Lummi LED'S LUXEON 3030 2D.
- Electrical: 120～ 277Vac, 50/60Hz Driver included.
- Power factor: ≥95%
- Led efficiency: 130 lm/W
- Color temperature: 4000K, 5000K
- Operation temperature: -35°C to 55°C
- Color Rendering Index (CRI): ≥ 75
- THD%: 16.3-17.9
- IP Rating: IP65





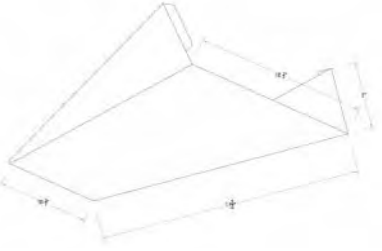
Project name:

www.ledindustriesusa.com

Tel.: 800 784 0698
6830 North Eldridge Pkwy, Suite 203
Houston, TX 77041

AURA

FIXTURE MOUNTING OPTIONS

M1 = Straight Arm Mount		
M2 = Slip Fitter		
M3 = U-Bracket Trunnion		
M4 = Back Shield		

Ordering Example:
LI-PLYR298-W150-150-A-1-1-BR-M1

Project name:

Tel.: 800 784 0698
6830 North Eldridge Pkwy, Suite 203
Houston, TX 77041

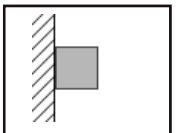
AURA

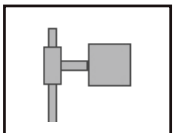
BR

DESCRIPTION

AURA series is the most economical outdoor luminaire suitable for parking lot lighting, and street lighting.

Individual engines with aluminum heatsinks provide easy thermal management.





ORDERING INFORMATION

Model	Watts	Lumen	Optic	Color Temp.	CRI	Optional	Finish color
LI-PLYR298-W150	150	18000	A = Type 3, 4 (Asymmetric)	0 = 4000K 1 = 5000K	80	1 = Dimmable 2 = Occupancy Sensor 3 = Photocell	BR

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LI-PLYR298-W150-150-A-1-1-BR

Project name:

AURA

BR

- Material: Aluminum Die Casting. Salt mist resistance & anti aging. High thermal conductivity.
- Bug rating: B2-U0-G2
- Led type: Phillips Lummi LED'S LUXEON 3030 2D.
- Electrical: 120～ 277Vac, 50/60Hz Driver included.
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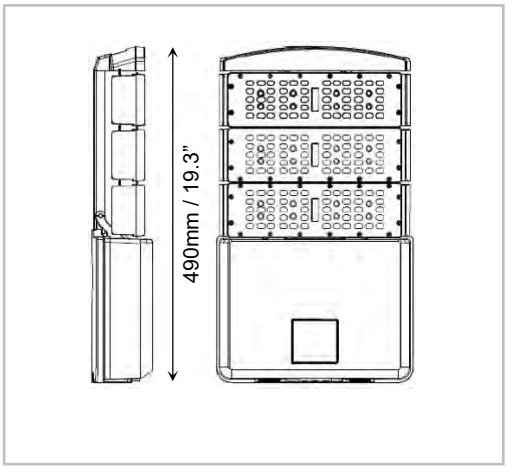
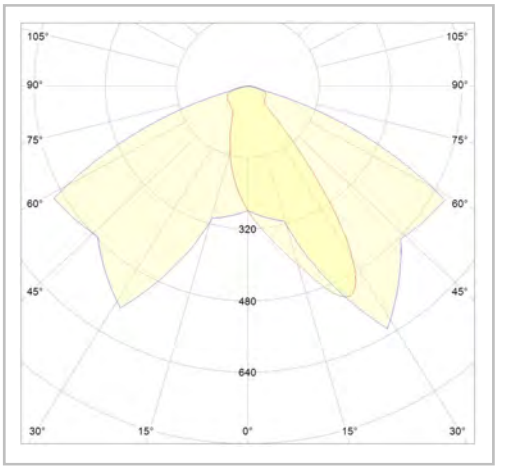
- Color Rendering Index (CRI): ≥ 75
- THD%: 16.3-17.9
- IP Rating: IP65





Project name:

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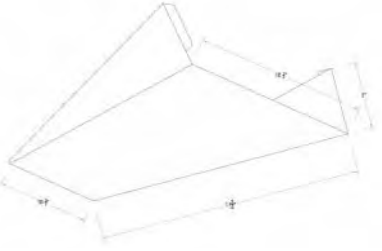
M4 = Back Shield		

Ordering Example:
LI-PLYR298-W150-150-A-1-1-BR-M1

Project name:

Tel.: 800 784 0698
6830 North Eldridge Pkwy, Suite 203
Houston, TX 77041

ELENORA SERIES

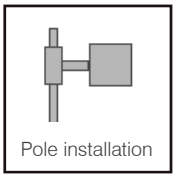
BR

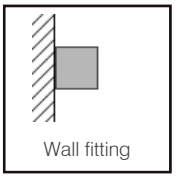
DESCRIPTION

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

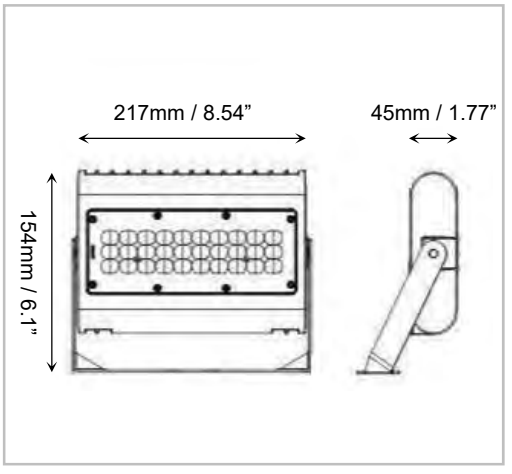
Model	Watts	Lumen	Optic	Color Temp.	CRI	Optional	Finish color
LI-FLDF050-XYZ	50	4900	A = 120 x 90 B = Type 3 C = Type 4	1 = 5000K	80	1 = Dimmable	BR

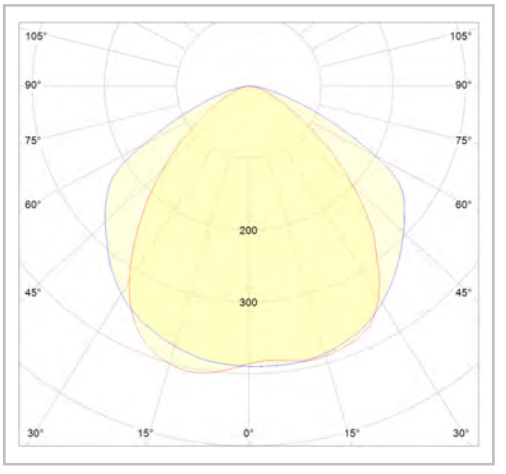
Project name:

ELENORA SERIES

BR

- 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: ≥90%
- Led efficiency: 130 lm/W
- Color temperature: 5000K
- Operation temperature: -20°C to 55°C
- Color Rendering Index (CRI): ≥ 80
- THD%: < 20%
- IP Rating: IP65

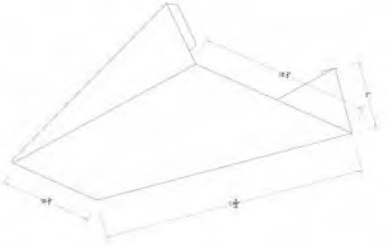




Project name:

ELENORA

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 Kichler.com\dimming.
Voltage	120V
Input Voltage	Single(120)

Qualifications

Safety Rated	Wet
Title 24	Yes
Expected Life Span	40000 Hours
Warranty	www.kichler.com/warranty

Primary Lamping

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

Kichler
7711 East Pleasant Valley Road
Cleveland, Ohio 44131-8010
Toll free: 866.558.5706 or kichler.com

Notes:
1) Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.
2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.

KICHLER

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

Project Name: _____
Location: _____
Type: _____
Qty: _____
Comments: _____

Dimming	Yes

Kichler
7711 East Pleasant Valley Road
Cleveland, Ohio 44131-8010
Toll free: 866.558.5706 or kichler.com

Notes:
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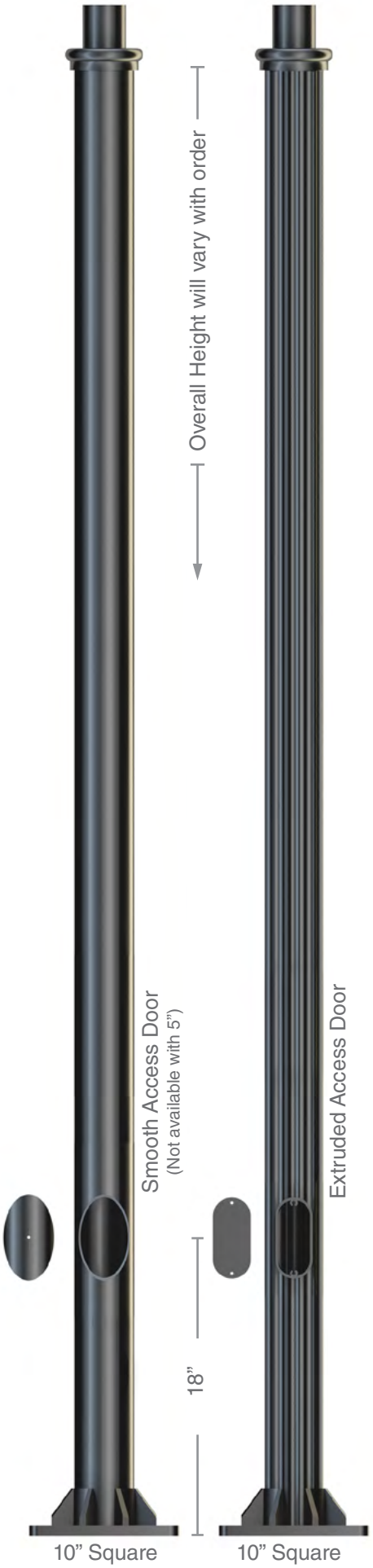


The **GP200 Series** poles have a Cast Aluminum Base Plate and can be ordered with or without a base cover. A choice of Smooth or Extruded Access Door is available.

Residence Inn
Type Z07

FEATURES

- 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.

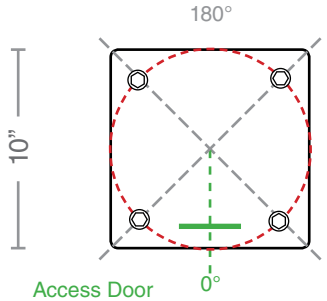
AVAILABLE EXTRUDED ALUMINUM SHAFTS			
	4" OD Fluted .125 wall		**4" OD Smooth .125 wall**
	GP203 - 08		GP204 - 08
	GP203 - 10		GP204 - 10
	GP203 - 12		GP204 - 12
	GP203 - 14		GP204 - 14
	5" OD Fluted .156 wall		**5" OD Smooth .125 wall**
	GP205 - 08		GP206 - 08
	GP205 - 10		GP206 - 10
	GP205 - 12		GP206 - 12
	GP205 - 14		GP206 - 14

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

MATERIALS			
Base	Cast Aluminum (A319)	**Tenon**	Cast Aluminum (A319)
Shaft	Extruded Aluminum (6063-T6)	**Anchor Bolts**	Hot dipped galvanized steel

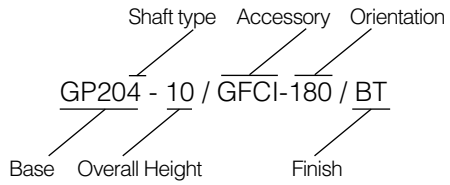
ACCESSORIES			
GFCI	Ground Fault Circuit Interrupter	**PCL**	Photocell
WIUC	While in Use Cover for GFCI	**BC**	Base Cover

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	
BK	Black	**WH**	White
BT	Textured Black	**CV**	Copper Vein
SB	Statuary Bronze	**GV**	Green Vein
GN	Green	**CF**	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 Kichler.com\dimming.
Voltage	120V
Input Voltage	Single(120)

Qualifications

Safety Rated	Wet
Title 24	Yes
Expected Life Span	40000 Hours
Warranty	www.kichler.com/warranty

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

Kichler
7711 East Pleasant Valley Road
Cleveland, Ohio 44131-8010
Toll free: 866.558.5706 or kichler.com

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2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.

KICHLER

ELENORA SERIES

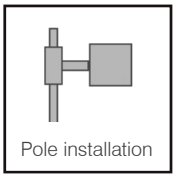
BR

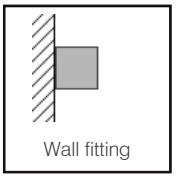
DESCRIPTION

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

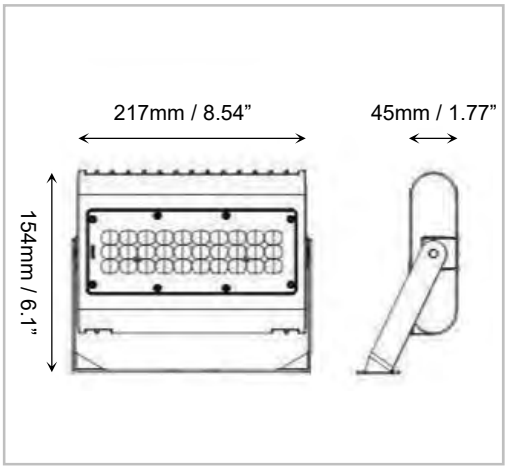
Model	Watts	Lumen	Optic	Color Temp.	CRI	Optional	Finish color
LI-FLDF050-XYZ	50	4900	A = 120 x 90 B = Type 3 C = Type 4	1 = 5000K	80	1 = Dimmable	BR

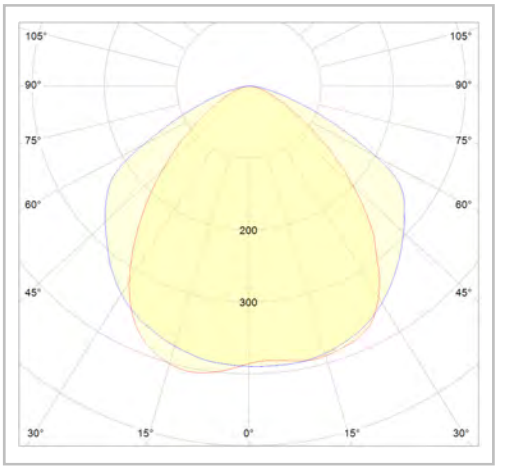
Project name:

ELENORA SERIES

BR

- 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: ≥90%
- Led efficiency: 130 lm/W
- Color temperature: 5000K
- Operation temperature: -20°C to 55°C
- Color Rendering Index (CRI): ≥ 80
- THD%: < 20%
- IP Rating: IP65

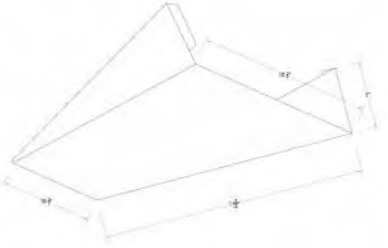




Project name:

ELENORA

FIXTURE ACCESSORIES

M1 = Straight Arm Mount		
M2 = Slip Fitter		
M3 = Back Shield		

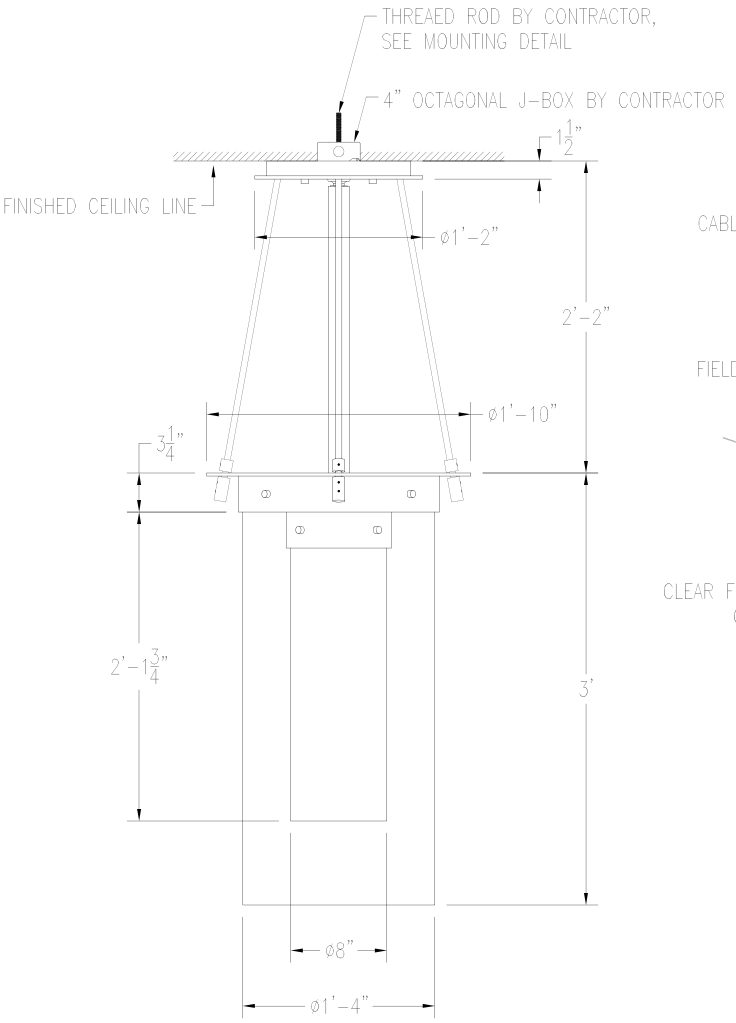
Ordering Example:
LI-FLDF050-XYZ-YK-50-C-1-1-BR-M1

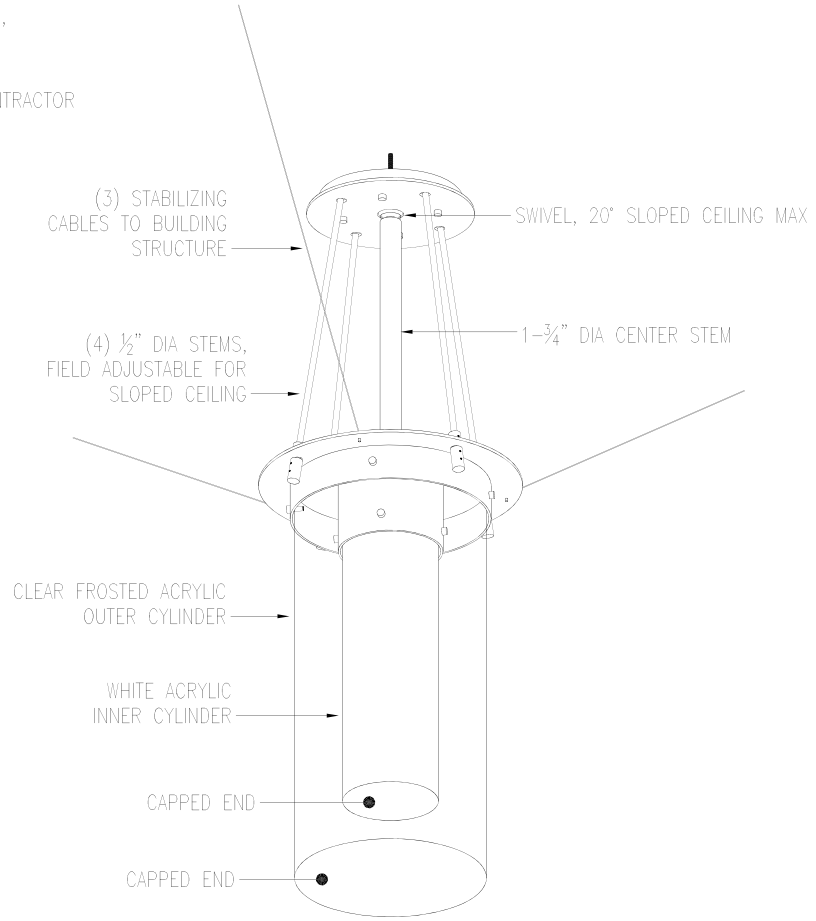
Project name:

Residence Inn
Type Z42

Lukas Lighting
Model: CL914

Z42





*TO CHANGE LAMP, REMOVE OUTER AND INNER CYLINDERS

FINISH: GREY METALLIC $^{09}/_{80340}$ POWDER COATED
LAMPING: (3) 17 WATT LINEAR T8 LAMPS BY OTHERS
VOLTAGE: 120
WEIGHT: APPROX 70 LBS
UL LISTED FOR DAMP LOCATIONS

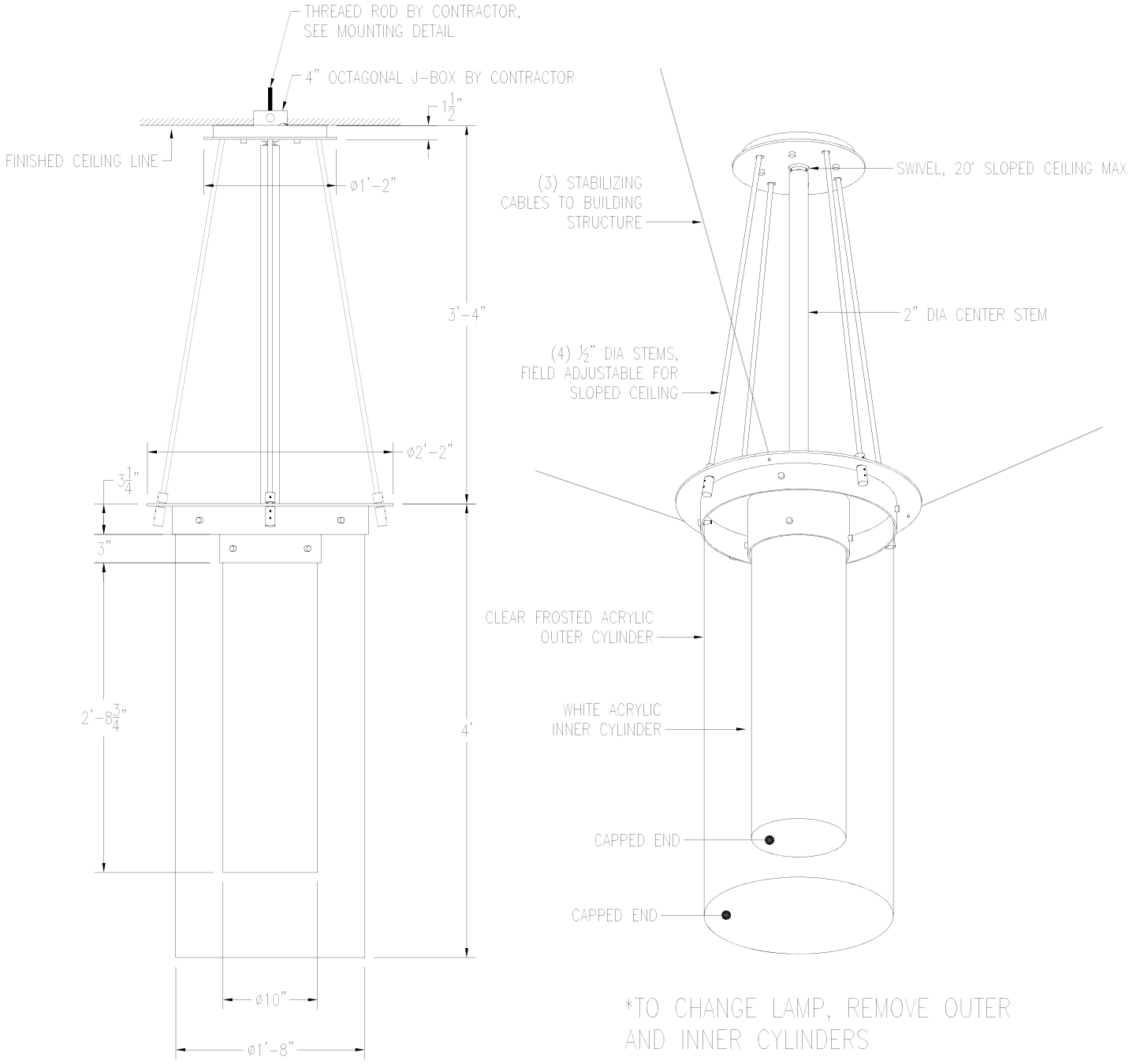
LUKAS
LIGHTING
40-20 22ND STREET | LONG ISLAND CITY, NY 11101
TEL. 1.800.841.4011 | FAX 718.706.0596
INFO@LUKASLIGHTING.COM | WWW.LUKASLIGHTING.COM

TYPE: 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

Z43



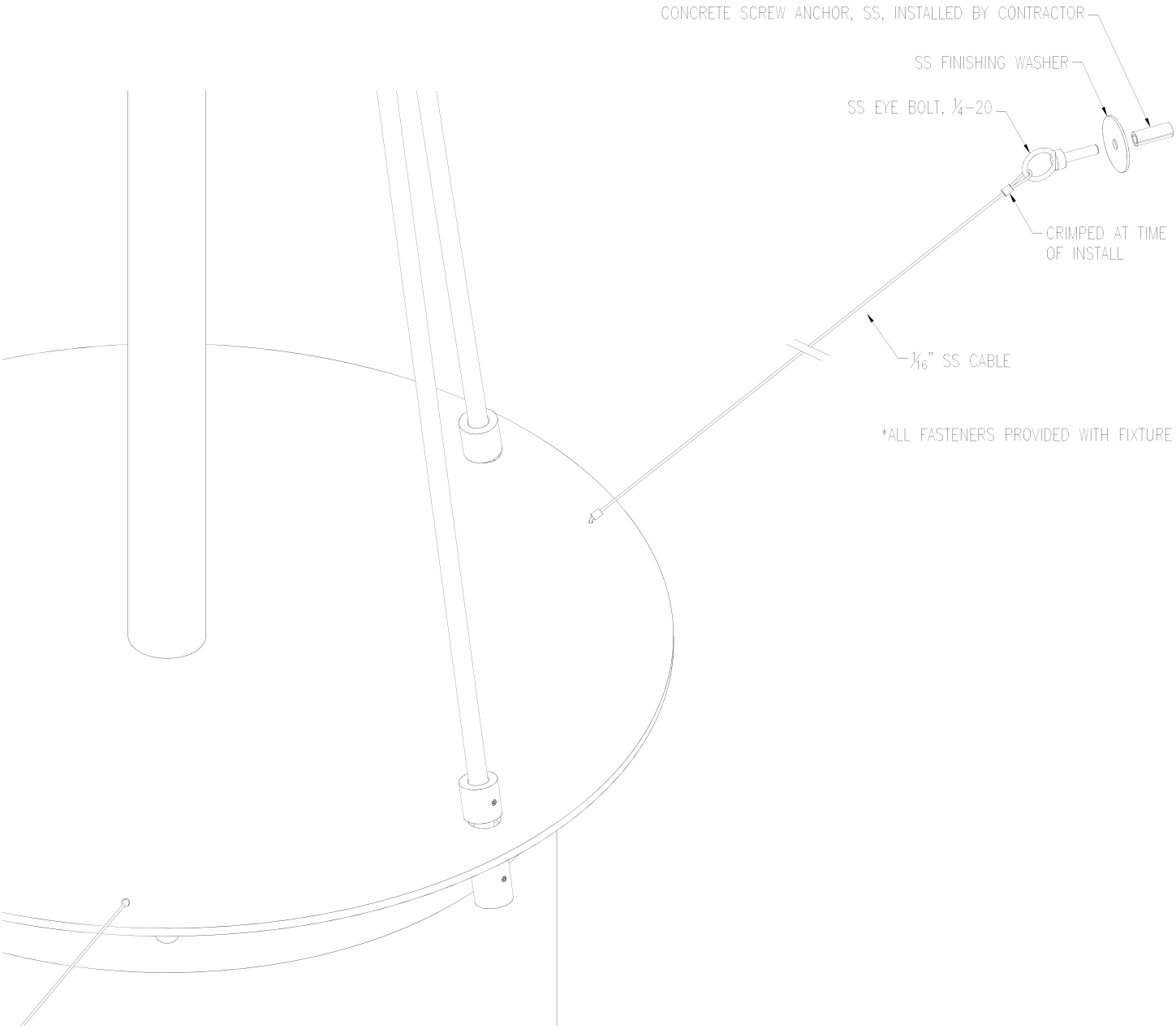
*TO CHANGE LAMP, REMOVE OUTER AND INNER CYLINDERS

FINISH: GREY METALLIC $^{09}/_{80340}$ POWDER COATED
LAMPING: (3) 25 WATT LINEAR T8 LAMPS BY OTHERS
VOLTAGE: 120
WEIGHT: APPROX 80 LBS
UL LISTED FOR DAMP LOCATIONS

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		

SUPPORT DETAIL

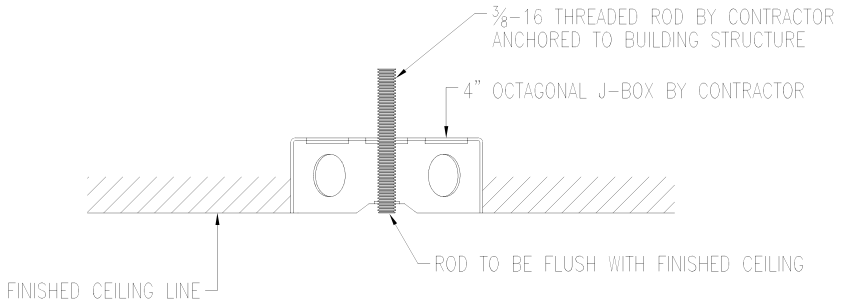


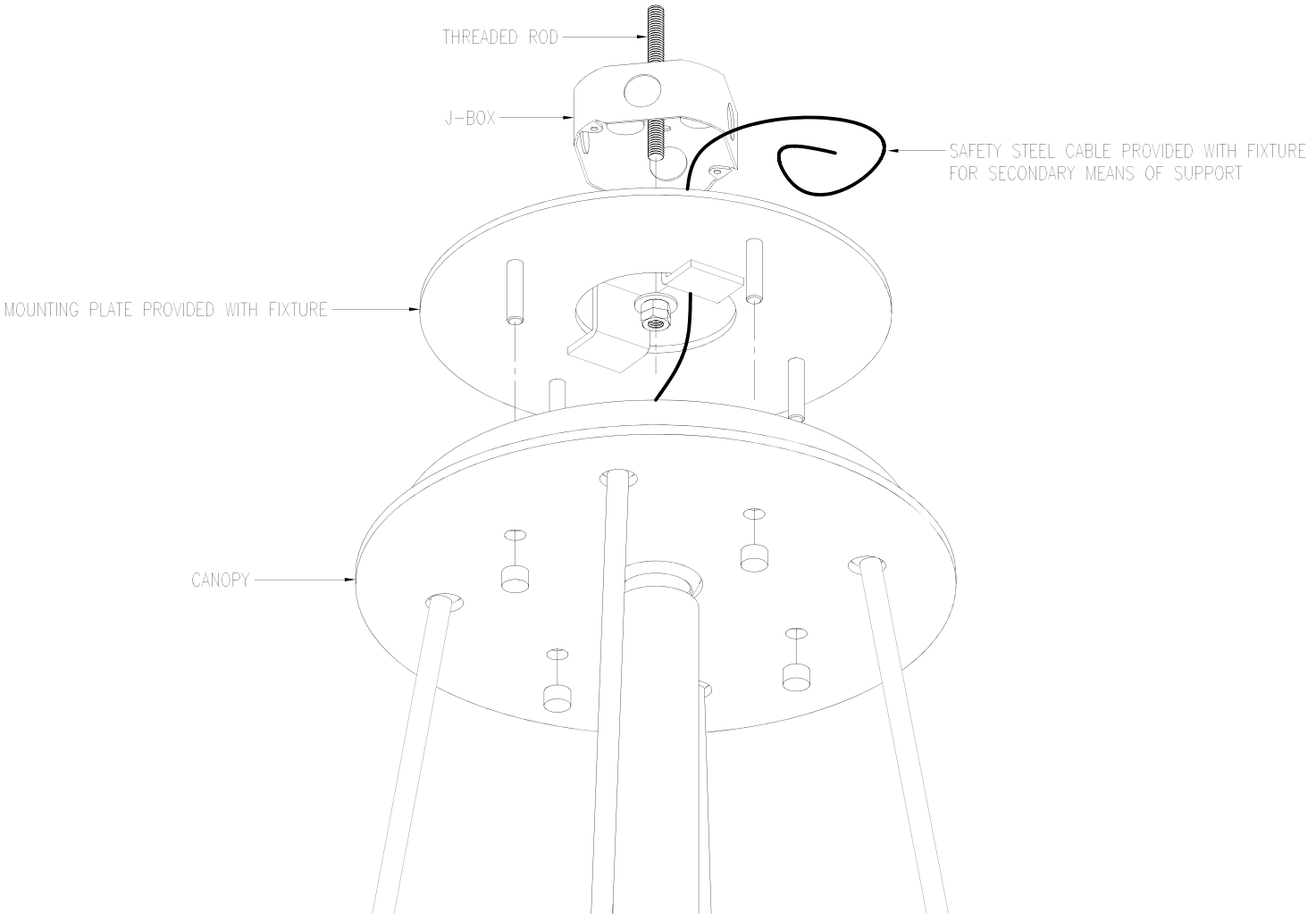
*ALL FASTENERS PROVIDED WITH FIXTURE

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		

NORA | NSPEC®
ILLUMINATING THE FUTURE...SINCE 1989

Type Z85
Project Residence Inn
Catalog No. NHIC-6LMRAT
Lamp/Wattage

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 90º 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

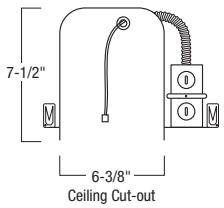
DIMMING:

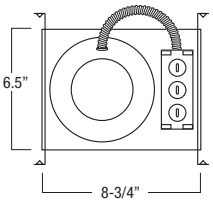
See compatible Diamond/Onyx/Cobalt/Opal for compatible dimmers

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"**	**Housing Length:**	**8-3/4"**
ID:	**6"**	**Housing Width:**	**6.5"**
OD:	**7-1/8"**	**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.

c UL us LISTED | AIR TIGHT | RoHS COMPLIANT | committed to GREEN | Assembled in U.S.A | TITLE 24 2013

Housing

NHIC-6LMRAT: 6" IC Air Tight Dedicated New Construction Housing
NHIC-6LMRAT/277: 6" IC Air Tight Dedicated New Construction Housing includese 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

6505 Gayhart St., Commerce, CA 90040 | Phone: 800.686.6672 | FAX: 800.500.9955 www.noralighting.com | e-mail: nora@noralighting.com

ARCHITECTURAL LED

LED Commercial Downlight

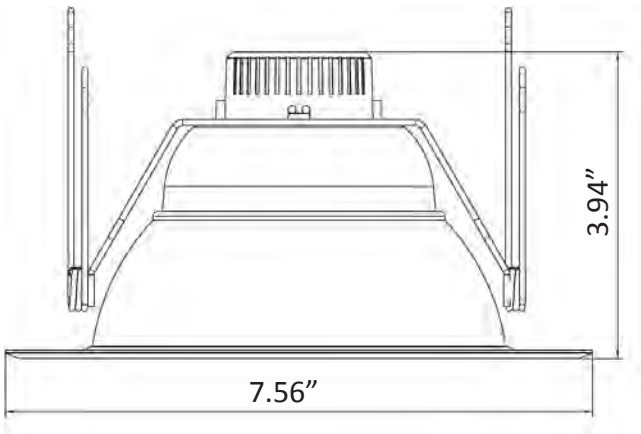
Catalog #	IL-D536-LED-20-30K	Type
Project	Residence Inn	Z85
Comments		Date
Prepared by		

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

IL-D536

Dimensional Drawings:



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

Example: IL-D536-LED-20-30

Series	Size	Source	Wattage	Voltage	CCT	Finish	Option
IL-D536		LED=LED	20=20W	120V	30=3000 50=5000	W=White	

*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)

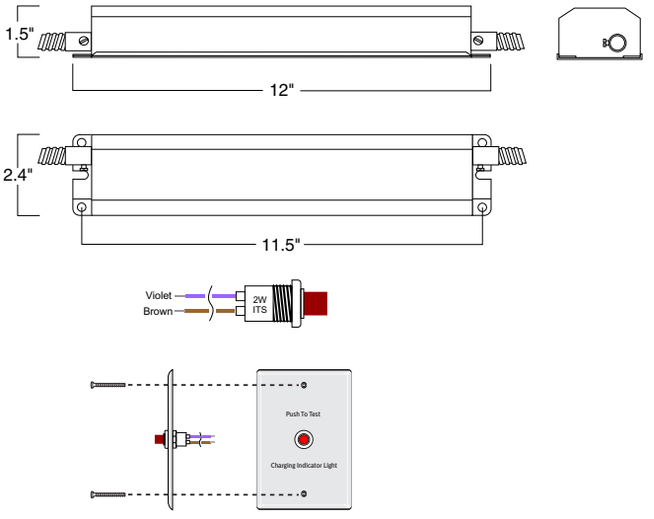
Weight
4.3 lbs. (1.95 kg)

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

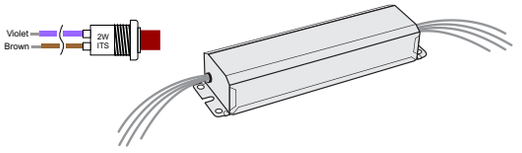
The BSL17C-C2 model can be ordered in several mounting configurations and test switch/LED kits. Please see the ordering codes below to determine which configuration best meet your requirements.

WARRANTY

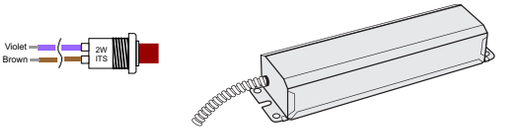
Model BSL17C-C2 is warranted for five (5) full years from date of manufacture. Please see detailed warranty information on our web site.

Optional Configurations (with order numbers)

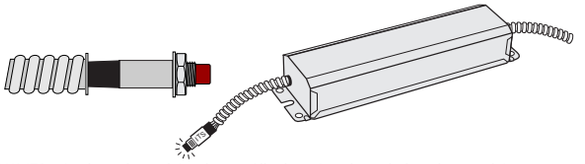
BSL17-C2 (Order Number BSL17C2U)
Includes Loose 2W-ITS Parts Kit



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

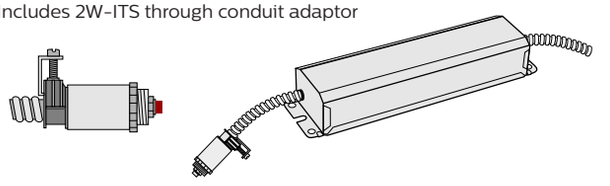


BSL17C-C2 Type 1 Option 6 (Order Number BSL17CC2T1O6U4W)
Includes 4W-ITS exiting through conduit



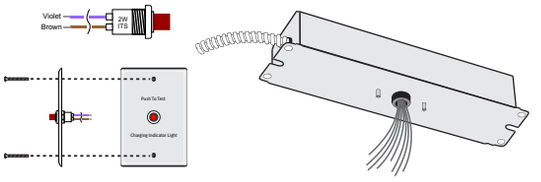
4 W-ITS exits through conduit adaptor. All other wires through the other conduit.

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

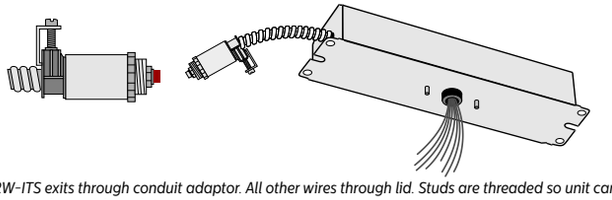


ITS exits unit through conduit adaptor. All other wires through the other conduit.

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.

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

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

NORALIGHTING.

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

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 90º 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.

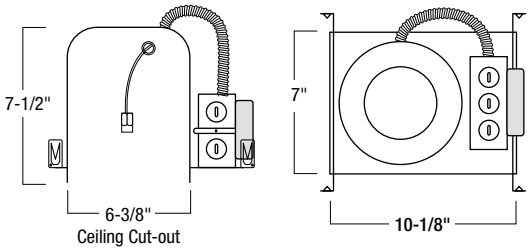
Thermal Protector
External thermal device is located on the junction box.

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 Equpment: 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 Equpment: 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	with Test Switch
			LE3= 120V Triac Dimming	
** Comfort Dim requires ELV dimming*			**LE4**= 120V, 0-10V Dimming	

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

6505 Gayhart St., Commerce, CA 90040
www.noralighting.com • Specifications subject to change without notice. © 2011
Phone: 800.686.6672 • FAX: 800.500.9955 • e-mail: nora@noralighting.com

NORALIGHTING.

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

Type
Project
Catalog No.
Lamp/Wattage

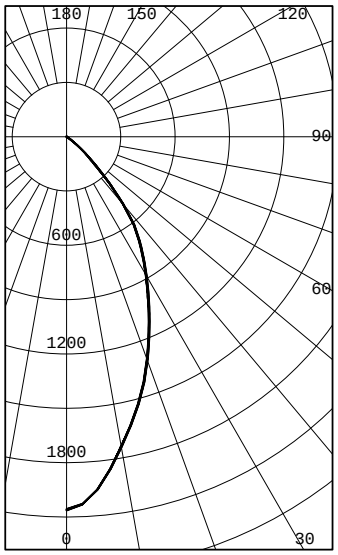
NHM-620LE1 / NRM-611L2030DW

Voltage: 120.0 VAC	**Power:** 25.21 W	**Frequency:** 60Hz	**Test Temp:** 24.8°C	**Current:** 0.2126 A	**PF:** 0.988	**SC:** 0.8

COEFFICENTS 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

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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

NORALIGHTING.

Type Z91

Project Residence Inn

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

Lamp/Wattage 25W

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 for277V (non-dimmable)
Operating Temperature: 0ºC to 75ºC ambient temperature
Life Expectancy: 50,000 hours

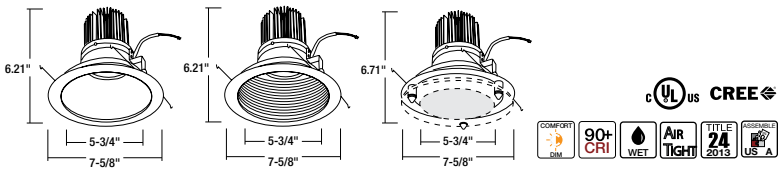
Bodine Emergency Lighting Equpment: BSL17-C2/BSL17C-C2 (850/1250lm)
- Up to 7.0W max emergency illumination with LEDs.
- Illumination Time: 90min
- Dual Input Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- AC Input Current: 45 mA
- Output Current: 470mA max
- Dimension: 12" x 2.4" x 1.5"

Bodine Emergency Lighting Equpment: 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.	Desctiption	Driver	Voltage	Emergency
☐NHM-612	6" 1250lm New Const	☐(Blank)=Standard	☐LE1=120V	☐EM=Emergency
☐NHRM-612	6" 1250lm Remodel	☐C=Comfort Dim	☐LE2=277V	
☐NHM-620	6" 2000lm New Const			
☐NHMICD-620	6" Marquise 2000 Lumen IC New Construction Double Wall Housing			
☐NHRM-620	6" 2000lm Remodel			
☐NHMIC-685	6" 850lm IC New Const			
☐NHRMIC-685	6" 850lm IC Remodel			
☐NHMICD-612	6" 1250lm IC Double Wall New			
☐NFBIC-6L12AT	6" Marquise 1250 Lumen IC Dedicated Fire Box			
☐NFBIC-6L85AT	6" Marquise 850 Lumen IC Dedicated Fire Box			

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 | 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 scommercial 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
☐NRM-611	L=LED	☐85=850	☐27=2700K
☐NRM-612		☐12=1250	☐30=3000K
☐NRM-618		☐20=2000	☐35-3500K
			☐40-4000K
			☐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" Tempereed 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 Refelctor & Flange	612 Baffle & Flange Finishes
☐BW = Specular Black Reflector, White Flange	☐BW = Black Baffle / White Flange
☐BZ = Bronze Reflector, Bronze Flange	☐BZ = Bronze Baffle and Flange
☐CO = Copper Reflector, Copper Flange	☐CO = Copper Baffle and Flange
☐DW = Diffused Clear Reflector, White Flange	☐NN = Natural Metal Baffle and Flange
☐HZW = Haze Reflector, White Flange	☐WW = White Baffle and Flange
☐NN = Natural Metal Reflector & Flange	
☐WW = White Reflector, White Flange	

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

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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

NORALIGHTING.

Type
Project
Catalog No.
Lamp/Wattage

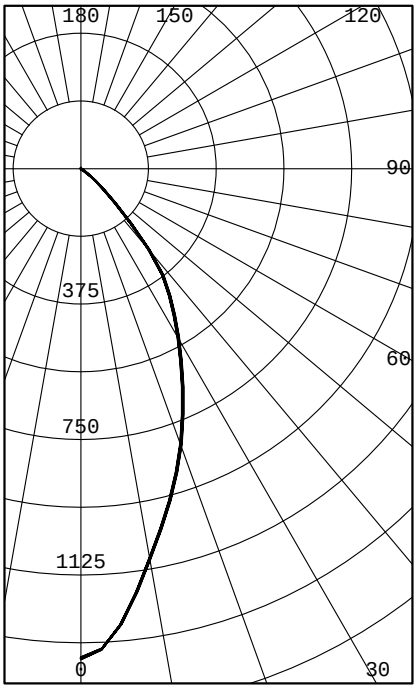
NHM-612LE1 / NRM-611L1230DW

Voltage: 120.1 VAC	**Power:** 15.52 W	**Frequency:** 60Hz	**Test Temp:** 24.8°C	**Current:** 0.1317 A	**PF:** 0.983	**SC:** 0.7

COEFFICENTS 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

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Residence Inn
Type Z99

Aluminum LED 25W Bollard Light

Outdoor

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