



III. B.

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

Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: April 14, 2020

From: Mike Knight, Assistant City Planner *gmk*

Location: A 1.6 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing.

Description: **Summit-Topgolf, Lot C2 (iFLY) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 1.6 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing (17T520116).

PROPOSAL SUMMARY

This proposal is to construct a 6,713 square foot indoor sky diving facility on Lot C2 of the Summit-Topgolf Subdivision. The building is 65' in height and has one shared access point with Lot C1 off North Outer 40 Road. The Summit-Topgolf subdivision is zoned Planned Commercial District and governed under the rules and regulations of City of Chesterfield Ordinance 3039. The Summit-Topgolf subdivision is made up of 4 lots (A, B, C1 and C2). Lot A currently has an approved Site Development Section Plan to construct a Residence Inn, Lot B is directly to the east in which the Topgolf facility is under operation, and Lots C1 and C2 are currently undeveloped.

REQUEST FOR NO ACTION 01-09-2020 and 03-12-2020

On January 09, 2020 and March 12, 2020 the Summit-Topgolf, Lot C2 (iFLY) SDSP project was reviewed by the Architectural Review Board. Based on discussion at both meetings, the applicant requested that no action be taken on the project in order to allow time to address the issues raised and bring the project back to the ARB at a future meeting. This report will provide analysis on how the current submittal relates to the City of Chesterfield Unified Development Code requirements and the City of Chesterfield Comprehensive Plan policies.

STAFF ANALYSIS

General Requirements for Site Design:

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 proximity to I-64, the south, east, and west façades are all highly visible. The south and east façades specifically are the most visible given the current configuration of I-64. There are just under 100,000 average annual daily travelers heading along this section of I-64 according to the 2019 Missouri Department of Transportation Volume maps. The site is also visible from the north from the Monarch Chesterfield Levee Trail.

A. Site Relationships

The Unified Development Code outlines specific desirable and undesirable practices within site relationships. This site contains one desirable practice and one undesirable practice. The table below outlines both practices and how the SDSP correlates to them.

Practice	UDC Description	Correlation to Site Development Section Plan
Desirable	Safe pedestrian movement between elements	A pedestrian sidewalk is proposed across Lots B, C1, C2 and connects to the property to the east.
Undesirable	Aboveground public utilities	Existing overhead power lines are scheduled to remain along the southern property line similar to Lots A and B.

Figure 1: Site Relationships

B. Circulation and Access

Vehicle circulation can be seen throughout the site with one access point off North Outer 40 Road. This access point is in the same location as depicted on the recently approved Preliminary Development Plan. This is a shared access point between Lots C1 and C2 with an associated cross-access easement connecting Lots C1 and C2 from North Outer 40 to development to the east. Parking is encouraged to the rear and side of buildings in which this site complies (Figure 2).

C. Topography

The site is relatively flat with a couple of feet of grade change. The existing topography gradually slopes from the north to the south. There is a large drainage channel along the southern edge of the site. The finish floor elevation of the building is 461’. For reference, the finish floor elevation for the neighboring Topgolf is at 462’. There are no retaining walls required or planned for this development.



Figure 2: Color Site Plan

General Requirements for Building Design:

This request is to allow for development of a 65' indoor sky diving facility. The building is 6,713 square feet. The total site area for Lot C2 is 71,357 square feet. This produces a Floor to Area Ratio for Lot A at (.09).

Below are all four elevations that the applicant has provided in the updated submittal.



Figure 3 South (Most Visible)



Figure 4: West (Highly Visible)



Figure 5: North (Least Visible)



Figure 6: East (Most Visible)

A. Scale

The building will be a two-story structure with the overall height of the structure driven by the height requirements of the tunnel airflow systems and air flow path. The building consists of a low roof at 40' enclosing two occupiable floors of the building and high roof at 65', or 25' above the low roof to enclose the non-occupiable mechanical deck. The low roof is designed with a 6' parapet to screen roof top units. The adjacent Topgolf building has a height of 54' with poles used for netting up to 170' at their highest point, and the Residence Inn has an approved height of 45'.

B. Design

The architect's statement of design states "The aesthetic style of the exterior is meant to complement and accommodate the interior functions". It also states, "The exterior material chosen

for the façade of the building was specifically picked to complement adjacent buildings through the use of native earth tones”.

The Unified Development Code outlines 10 general requirements of building design as seen in the table below.

a	Design and coordinate all facades with regard to color, types and numbers of materials, architectural form and detailing.
b	Avoid linear repetitive streetscapes.
c	Avoid stylized corporate and/or franchise designs that use the building as advertising.
d	Provide architectural details particularly on facades at street level.
e	Encourage art elements, such as wall sculptures, murals, and artisan-created details, etc., throughout a project
f	Encourage designs that enhance energy efficiency.
g	Encourage the use of environmentally conscious building techniques and materials.
h	Provide entry recesses, plazas, roof overhangs, wall fins, projecting canopies or other similar features indicating the building's entry points while providing protection.
i	Paint and trim temporary barriers/walls to complement the permanent construction excluding tree protection fencing.
j	Screen rooftop equipment on all visible sides with materials that are an integral part of the architecture. Parapet walls or screen walls shall be treated as an integral part of the architecture and shall not visually weaken the design of the structure.

Of the 10 general requirements, there are 4 in which staff will cover in further detail (a, d, h, and j).

a. Design and coordinate all facades with regard to color, types and numbers of materials, architectural form and detailing.

The west elevation is where individuals enter the building. On this façade is a metal awning over the entry with a metal canopy above. The metal awning is also on the south and east facades with a similar metal canopy on the east façade. The materials (stucco, brushed aluminum, metal cornice, glass) and colors (red, tan, aluminum, and white) largely are the same on all facades.

d. Provide architectural details particularly on facades at street level.

The public enters the building on the west façade directly below the metal canopy. A stone base wraps around the building on all four sides.

h. Provide entry recesses, plazas, roof overhangs, wall fins, projecting canopies or other similar features indicating the building's entry points while providing protection

The entryway has a roof overhang/metal awning above the entry doors complemented with a metal canopy over the upper half of the building. The east and south façade also have similar roof overhang/metal awning features.

- j. Screen rooftop equipment on all visible sides with materials that are an integral part of the architecture. Parapet walls or screen walls shall be treated as an integral part of the architecture and shall not visually weaken the design of the structure.**

The rooftop units are screened from the parapet walls, and do not weaken the design of the structure.

C. Materials and Colors

The building will implement the use of stucco and flat metal panels in predominately three earth tone colors as seen in the schedule below (Figure 7). All exterior doors and frames are hollow metal, painted to match the adjacent material color, except for the storefront door which is all glass.

EXTERIOR MATERIAL FINISH SCHEDULE				
MARK	MATERIAL	MANUFACTURER	COLOR	DESCRIPTION
A	Stucco	Sto Corp	SW 0057 Chinese Red	Integral earth tone red stucco
B	Stucco	Sto Corp	SW 6141 Softer Tan	Integral earth tone tan stucco
C	Composite Aluminum Panel	Reynobond	Colorweld LF	Long Brushed Aluminum
D	Brake Metal Cornice	TBD	White	



Figure 7: Exterior materials

The Unified Development Codes states that a desirable practice is to use compatible colors, materials and detailing on a building. Colors, materials and detailing should also be compatible with adjacent buildings and properties. Encourage the use of integral color where practical. The materials should be durable and highly reflective materials should be avoided.

On the following page are images of recently approved elevations for phase 1 of The District, which is the subdivision directly to the west; elevations for the approved Residence Inn on Lot A ; and a photo of the existing Topgolf building on Lot B of the Summit-Topgolf subdivision.

Adjoining the images is an aerial to be used for location reference. The surrounding developments all have similar earth tones and largely consist of similar materials. One aspect similar of the proposed development to the adjacent buildings is application of a masonry material. Each approved project has either a horizontal or vertical integration of masonry material attached to the building similar in which this proposal has a stone component wrapped around the building.



Figure 8: Surrounding Developments

D. Landscape Design and Screening

A Landscape Plan has been submitted and is currently under review with staff. There are street trees and parking area trees provided which are required by code. The canopy trees primarily consist of oak and hornbeam while the understory consists of dogwood and serviceberry. The refuge enclosure has screening of Keteleeri Juniper. The UDC states for commercial development to locate service areas away from public streets or utilize the street with the least visual impact. The landscape plan depicts plantings around both the trash enclosure and utility box.

E. Lighting

The parking lot lighting will consist of 20' high poles with arm mounted fixtures. The building lighting will consist of up/down lighting positioned on the façade of the building. All exterior lighting will be white in color, and all the cut sheets have been included within the submittal. The UDC dictates that all facades of buildings facing I-64 should utilize accent lighting, as opposed to floodlighting. One of the fixtures submitted in this request is a floodlight.

F. Specific Requirements for the Chesterfield Valley

Additional requirements are to be applied to commercial and industrial development within the Chesterfield Valley. These requirements include items in relation to facades, storage, utilities, and parking.

Specifically, in relation to the facades, buildings are to:

- Utilize architectural elements from the front facade on the side and rear of the structure.
- Utilize accent lighting and avoid floodlighting for facades of buildings facing I-64/US 40.
- Screen trash enclosures and construct with materials consistent to the building.

The proposed structure has additional elements on the entry façade (awning and canopy) that carry over to the most visible south and east façades. As previously mentioned in this report, the applicant includes a floodlight within their lighting plan. The floodlights are to sit on the second story and cascade onto the upper half of the building. The applicant has stated that no up lighting will trespass beyond the roofline. The trash enclosure is composed of CMU, painted (softer tan) to match the iFLY building.

Comprehensive Plan 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 (SDSP) relates to those policies.

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

The sky diving facility is positioned along I-64 in which the primary facades are the south and east elevations. Below is a rendered image that displays both the south and east elevations. Given the current configuration of I-64, the south and eastern elevations will be one of the most visible buildings in the City of Chesterfield and can be seen from the on-ramp to I-64 from Chesterfield Parkway.



Figure 9: Visibility

Policy 2: Lighting of Buildings Along I-64 - The facades of buildings facing I-64 should be lighted to provide an attractive image at night.

The lighting currently submitted consists of both decorative and utilitarian lighting. Lights that are not fully shielded flat lensed fixtures that enhance the architecture (decorative) will require approval from Planning Commission.

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

Parking shown on the Site Development Section Plan is 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.

A pedestrian connection within the Summit-Topgolf development is proposed connecting Lot B directly south of the Topgolf structure, through Lots C1 and C2, and extends to the eastern property line of the development.

Rendering:

The rendering below (Figure 10) is of the west façade as one would enter the building. This is the primary viewpoint of someone traveling by vehicle heading east on either North Outer 40 Road or Interstate 64.



Figure 10: Rendering – West Facade

DEPARTMENT INPUT

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

Staff requests review and recommendation on this submittal for Summit-Topgolf, Lot C2 (iFLY).

MOTION

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

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Summit-Topgolf, Lot C2 (iFLY), as presented, with a recommendation for approval (or denial) to the Planning Commission."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Summit-Topgolf, Lot C2 (iFLY) to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal



SW ELEV

TABLE OF CONTENTS

Architecture Review Board Project Stats and Checklist.....page 3

Site Development Section Plan.....page 4

Color Elevations.....page 5

 West Elevation.....page 5

 East Elevation.....page 6

 North Elevation.....page 7

 South Elevation.....page 8

Dumpster Enclosure Details.....page 9

Color Renderings.....page 10

Side-By-Side Comparisons of iFLY and local buildings.....page 19

Photos of Adjacent uses and sites.....page 22

Statement of Design Letter.....page 23

Color Landscape Plan and Details.....page 25

Site and Building Photometric Plan.....page 26

Site and Building Lighting Data Sheets.....page 27





**ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist**

Date of First Comment Letter Received from the City of Chesterfield _____

Project Title: iFLY Indoor Skydiving **Location:** 16839 North Outer 40 Road
Summit Real Estate
Developer: Group **Architect:** EVstudio **Engineer:** Stock and Associates

PROJECT STATISTICS:

Size of site (in acres): 1.64 **Total Square Footage:** 6,500 SF **Building Height:** 65 FT

Proposed Usage: Commercial entertainment

Exterior Building Materials: Combination of flat metal panels, stucco and masonry.

Roof Material & Design: TPO roof membrane sloping to scupper and downspouts

Screening Material & Design: Parapet height designed to fully screen mechanical equipment

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

ADDITIONAL PROJECT INFORMATION:

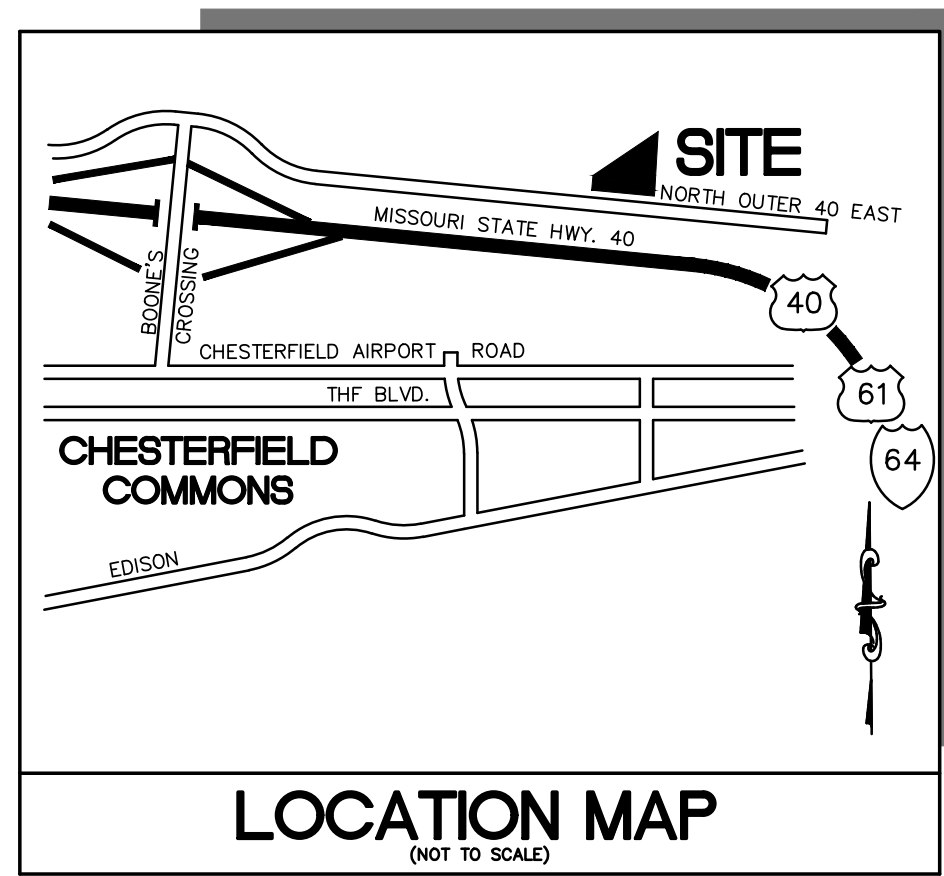
Checklist: Items to be provided in an 11" x 17" format

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

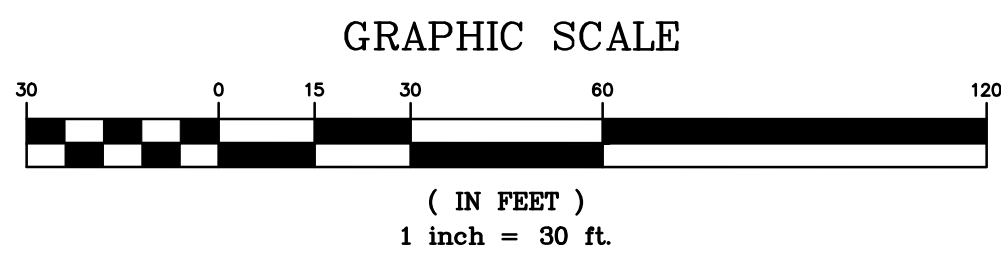
690 Chesterfield Parkway West, Chesterfield, MO 63017-0760
Ph. (636)537-4746 Fax (636)537-4798 www.chesterfield.mo.us



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



FLOOD NOTE:
SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "AH" (FLOOD DEPTHS OF 1 TO 3 FEET) (USUALLY AREAS OF PONDING) BASE FLOOD ELEVATION DETERMINED (ELEVATION 457 & 456) 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. 28169G0160K WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015.



LOT B
PB. 365 PGS. 300-301
ADDRESS: 16851 N OUTER 40 RD.

LOT C
PB. 365 PGS. 300-301
ADDRESS: 16839 N OUTER 40 RD.

LOT C1
2.16± ACRES

LOT C2
1.64± ACRES

EX. TOPGOLF
66,300 Sq. Ft.
APPROVED SDSP:
P.B. 365, PGS. 271-273
ASDSP: P.B. 365, PG. 592
APPROVED SDSP: P.B. 365,
PGS.: 274-275

PROPOSED 6" SIDEWALK EASEMENT

PROPOSED 10' MSD EASEMENT

PR. SANITARY MANHOLE (TYP)

PR. 8" SAN SEWER EXTENSION

PR. 5" SIDEWALK

STRIPPED PEDESTRIAN CROSSING

PR. 10' x 4' CULVERT

75' BUILDING SETBACK

PR. MONUMENT SIGN

STOP SIGN

PR. FULL FLOW FIRE METER

STREET LIGHT DUSK TO DAWN COBRA LIGHT AS APPROVED BY AMEREN

PR. 6" WATER TAP PER MAWC & STANDARDS

CB=N82° 36' 02"W
Dist=225.22'

PR. SAN LATERAL

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

PR. 10" x 4" CULVERT

GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
- 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.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- GRADING AND STORM WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
- STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
- SITE DEVELOPMENT SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL EXPLORATION TITLED "GEOTECHNICAL EXPLORATION - MT JOB NO. 14687-IFLY CHESTERFIELD VALLEY-CHESTERFIELD, MISSOURI" DATED MARCH 11, 2019 AND ALL SUPPLEMENTAL PROVISIONS AND ADDENDUMS.
- THERE IS A MINIMUM OPEN SPACE OF 35% AS REQUIRED BY THE PC DISTRICT REGULATIONS.
- THERE IS A MAXIMUM F.A.R. OF 0.55 AS REQUIRED BY THE PC DISTRICT REGULATIONS.
- SIGNAGE APPROVAL IS A SEPARATE PROCESS
- OFFSITE EASEMENTS MUST BE PROVIDED PRIOR TO APPROVAL OF IMPROVEMENT PLANS.

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:
FLY ST. LOUIS HOLDINGS, LLC
ATTENTION: MR. JOHN MONARY
221 CIRCLE DRIVE
MAITLAND, FL 32751

ST. LOUIS COUNTY STANDARD NOTES

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
- 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.
- 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.
- 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.

OPEN SPACE:
REQUIRED: 35.0% PER PC DISTRICT REGULATION
PROVIDED: 59.7% (42,606 SF/71,357 SF)

PARKING:
REQUIRED: PLEASE SEE UNIFIED DEVELOPMENT CODE SEC. 04-04 RECREATION FACILITY 3.3/1000 GFA MIN. 4.5/1000 GFA MAX.
TOTAL REQUIRED: 23 SPACES MIN. 30.2 SPACES MAX.
TOTAL PROVIDED: 36 SPACES INCLUDING 2 ADA SPACES

F.A.R. CALCULATION
F.A.R. = 6,713 S.F. / 71,357 S.F. = 0.09

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

PERTINENT DATA

LOT C2
OWNER: SUMMIT OUTER FORTY INVESTORS LLC
OWNER UNDER CONTRACT: FLY ST. LOUIS HOLDINGS, LLC
LOT C2 AREA: 1.64 Acres ±
EXISTING ZONING: "PC" PLANNED COMMERCIAL (ORD. #3039)
SITE ADDRESS: 16839 NORTH OUTER 40 ROAD CHESTERFIELD, MISSOURI 63005

LOCATOR NO: 177520116
WUNNERBERG'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

SHEET INDEX
SDSP-1 - SITE DEVELOPMENT SECTION PLAN
SDSP-2 - SKY EXPOSURE PLAN
SDSP-3 - PHOTOMETRIC PLAN
L-1 - LANDSCAPE PLAN
A201-A202 - ARCHITECTURE ELEVATIONS

GEOTECHNICAL ENGINEER'S STATEMENT

Midwest Testing has performed a geotechnical exploration for the property of which the project proposed hereon is a part thereof. Our findings indicated that the earth related aspects are suitable for the development proposed hereon pursuant to the geotechnical recommendations and considerations set forth in our March 11, 2019 report, titled "Geotechnical Exploration - MT Job No. 14687 - IFLY-Chesterfield Valley - Chesterfield, Missouri".

Midwest Testing
Michael L. Hickmeister, P.E.



FLY ST. LOUIS HOLDINGS, 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 _____ (applicable subsection) of the City of Chesterfield (present zoning) 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.

FLY ST. LOUIS HOLDINGS, L.L.C.
by: _____

STATE OF MISSOURI }
COUNTY OF ST. LOUIS } ss.

On this _____ day of _____, 2019, 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: _____

This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the _____ day of _____, 2019, by the Chairperson of said Commission, authorizing the recording of this 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

Notary Public

Print Name

SURVEYOR'S CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this 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

Walter J. Pfleger, Missouri L.S. No. 2008000728

PREPARED BY:
Stock & Associates
Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63105
PH: (636) 558-9100
FAX: (636) 558-9100
e-mail: general@stockassoc.com
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:
LOT C2 SUMMIT-TOPGOLF SUB
CITY OF CHESTERFIELD, MISSOURI



George M. Stock, Missouri L.S. No. 201116

REVISIONS:

- 4/03/19 REV. PER CITY LETTER DATED 3/26/19
- 10/09/19 REV. PER CLIENT

DRAWN BY: C.A.H. CHECKED BY: G.M.S.
DATE: 3/07/2019 JOB NO: 218-6414
M.S.F. # BASE MAP: XX-X
P-XXXX-XX HMT SUP: XX-XX
S.L.C. HMT # HMT SUP: XX-XX
XXXX

SHEET TITLE:
SITE DEVELOPMENT SECTION PLAN

SHEET NO.:
SDSP-1.0

- SIDING KEYNOTES:
- (A) STUCCO - SW 0057 "CHINESE RED"
 - (B) STUCCO - SW 6141 "SOFTER TAN"
 - (C) COMPOSIT WALL PANELS; REYNOBOND NATURAL METALS
 - (D) BRAKE METAL CORNICE - WHITE



- SIDING KEYNOTES:
- (A) STUCCO - SW 0057 "CHINESE RED"
 - (B) STUCCO - SW 6141 "SOFTER TAN"
 - (C) COMPOSIT WALL PANELS; REYNOBOND NATURAL METALS
 - (D) LONG BRUSHED ALUMINIUM - RB4LBA

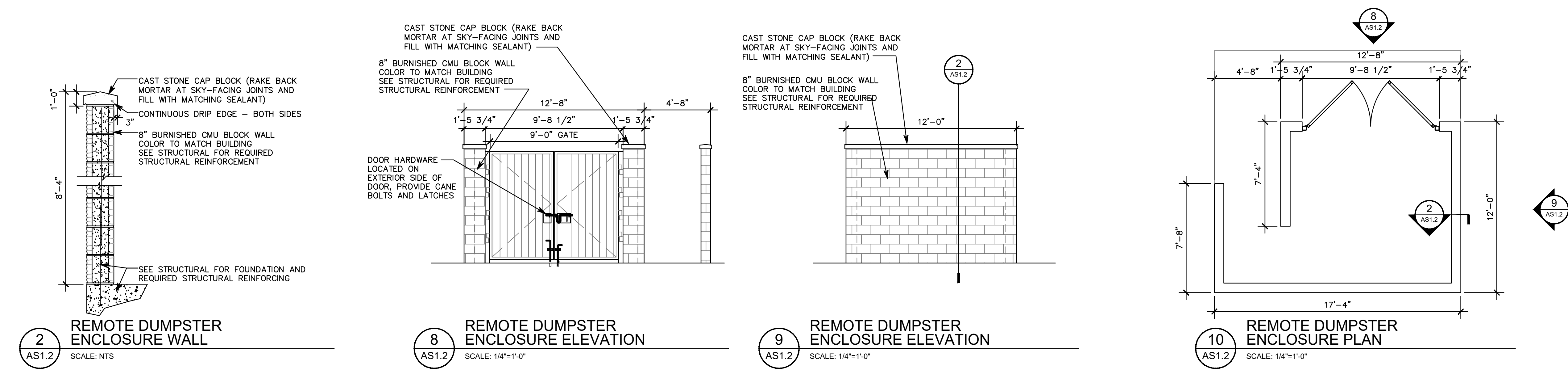


- SIDING KEYNOTES:
- (A) STUCCO - SW 0057 "CHINESE RED"
 - (B) STUCCO - SW 6141 "SOFTER TAN"
 - (C) COMPOSIT WALL PANELS; REYNOLBOND NATURAL METALS
LONG BRUSHED ALUMINIUM - RB4LBA
 - (D) BRAKE METAL CORNICE - WHITE

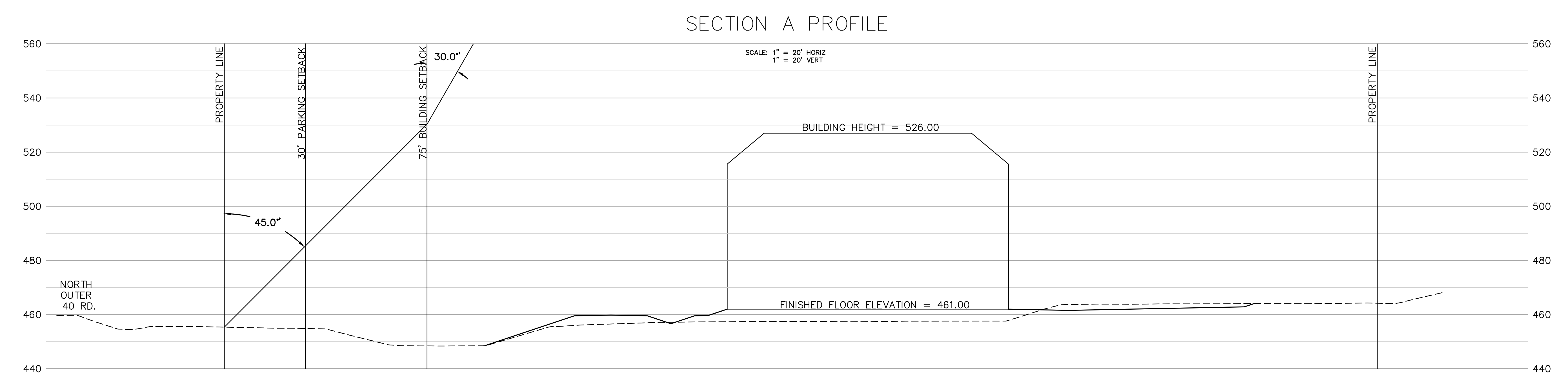


- SIDING KEYNOTES:
- (A) STUCCO - SW 0057 "CHINESE RED"
 - (B) STUCCO - SW 6141 "SOFTER TAN"
 - (C) COMPOSIT WALL PANELS; REYNOBOND NATURAL METALS
 - (D) LONG BRUSHED ALUMINIUM - RB4LBA





REMOTE DUMPSTER ENCLOSURE DETAILS



12/31/19

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

REVISIONS:

1	4/03/19 REV. PER CITY LETTER DATED 3/26/19
2	10/09/19 REV. PER CLIENT
3	12/09/19 UPDATE SITE LIGHTING
4	12/31/19 REV. PER CITY LETTER DATED 12/12/19

DRAWN BY: C.A.H.	CHECKED BY: G.M.S.
DATE: 3/07/2019	JOB NO.: 215-6414
KEY: P # P-XXXXX-XX	BASE MAP # XX-X
S.L.C. MAT # XXXX	MAT SUP. # XX-XXX-XX
M.D.N.R. # MO-RAXXXX	

SHEET TITLE:
SKY EXPOSURE PLAN

SHEET NO.:
SDSP-2.0



STREET VIEW - TRANSPARENT TREES



STREET VIEW - OPAQUE TREES



STREET VIEW - TRANSPARENT TREES



STREET VIEW - OPAQUE TREES



SW ELEV - B



SE ELEV



NW ELEV



EAST ELEV - NO TREES



EAST ELEV - TREES

CLARKSON ROAD



PROPOSED iFLY BUILDING



17497 N. OUTER 40 RD.



SIDE-BY-SIDE COMPARISON

16899 CHESTERFIELD AIRPORT RD.



PROPOSED iFLY BUILDING



17401 N. OUTER 40 RD.



SIDE-BY-SIDE COMPARISON

17175 CHESTERFIELD AIRPORT RD.



PROPOSED iFLY BUILDING



262 THF BLVD.



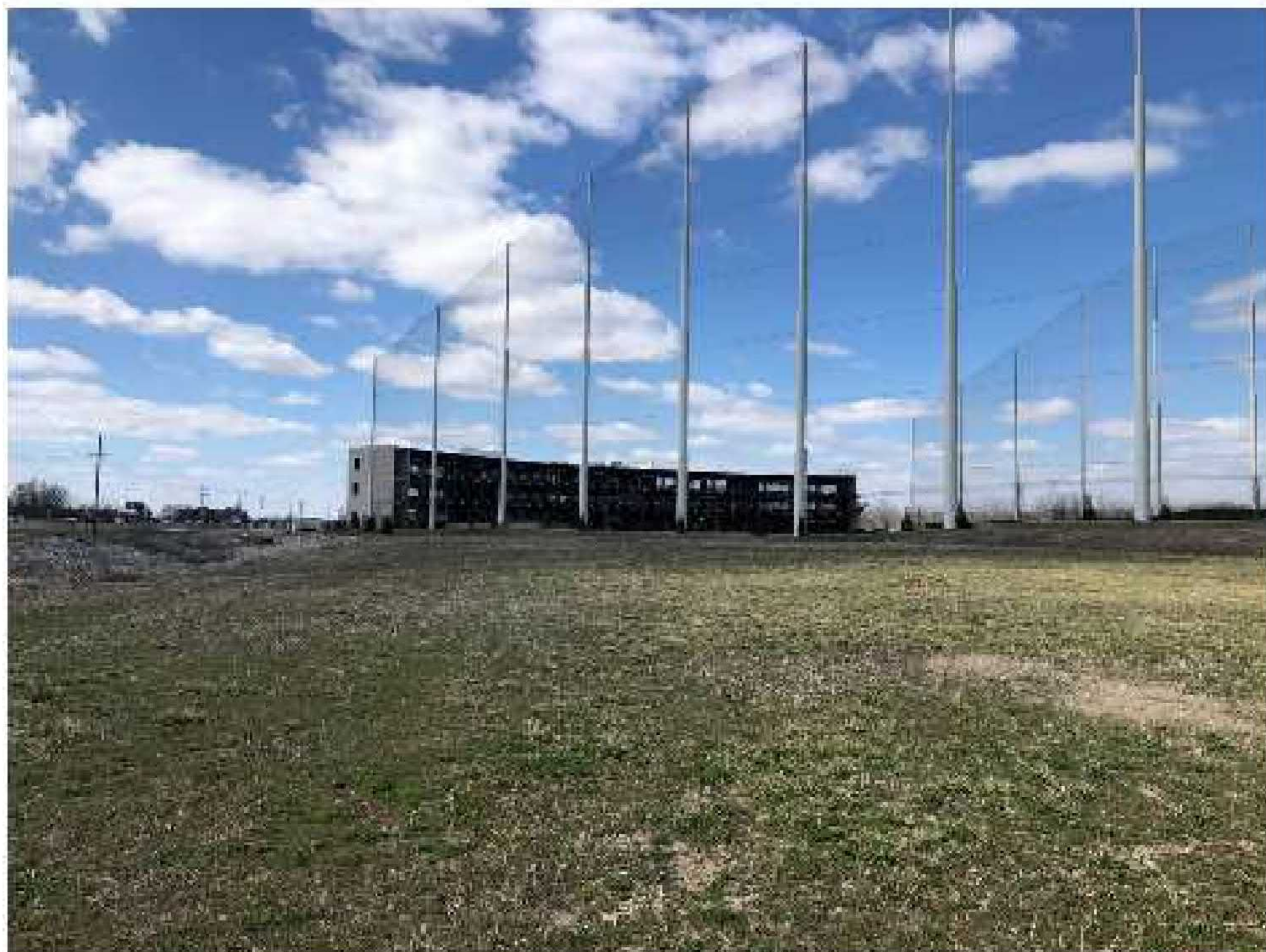
SIDE-BY-SIDE COMPARISON



EAST VIEW



NORTH VIEW



WEST VIEW



SOUTH VIEW



March 20th, 2020

City of Chesterfield
Planning and Development Services Division
Attn: Mr. Mike Knight
690 Chesterfield Pkwy W.
Chesterfield, MO 63017

Project: iFLY Indoor Skydiving Chesterfield (Proposed Lot C2)
Location: 16839 North Outer 40 Road

The following statements address how each item in "Article 04: Development Requirements and Design Standards, Sec. 31-04-01 Architectural Review Design Standards" has been addressed.

GENERAL REQUIREMENTS FOR SITE DESIGN:

Site Relationship:

The new iFLY site will be located on lot C2 of the overall Summit-TopGolf development. The Lot C2 project site is located east of both the Residence Inn on Lot A and the TopGolf on Lot B. The project site is also bordered on the south by North Outer 40 Road. The front entrance of the iFLY faces west towards the TopGolf and Residence Inn with the back of the building facing towards Chesterfield Valley Nursery. The South elevation of the building is visible from North Outer 40 Road with the North elevation facing towards the Monarch Chesterfield Levee. However, the front entrance has been given special design attention to draw and direct customers to the entrance of the building.

Circulation System and Access:

The site access has been coordinated with the overall Summit-TopGolf Development with access being from North Outer 40 Road and along a shared access drive with Lot C1. Customer and accessible parking is provided on the West and North of the building. Traffic circulates into the parking lot around the West of the building and then to the North parking lot where customers will park are turn around for exit.

Pedestrian circulation is provided by means of a sidewalk built to the City of Chesterfield standards. With sidewalk access coming from Lots A and B and connecting with the iFLY site sidewalks around the perimeter of the building. The iFLY site sidewalks will serve as access from Lots A and B to the iFLY parking lot and building.

Topography:

DESIGN BUILD
The existing topography gradually slopes from North to South. The site will slope towards the existing drainage channel on the South edge of the property.

Retaining Walls:

No retaining walls are required for this development.

GENERAL REQUIREMENTS FOR BUILDING DESIGN:

Scale:

The iFLY building scale will be a two-story facility with a non-occupiable mechanical deck housing the required tunnel equipment. The overall height of the building is sixty-five feet (65') and is driven by the height requirements of the tunnel airflow systems and air flow path. The building consists of a low roof at forty feet (40') enclosing the two occupiable floors of the building and a high roof at sixty-five feet (65') or twenty-five feet (25') above the low roof to enclose the non-occupiable mechanical deck. The low roof is designed with a six-foot (6') parapet to screen roof top units. The adjacent TopGolf has a height of fifty-four feet (54') and the Residence Inn has an estimated height of forty-five feet (45'). Despite the overall height of the building being slightly taller than the adjacent facilities this will likely be unnoticeable due to the site elevation being lower than the adjacent TopGolf.

While the doors, windows, millwork and canopies help define the human scale of the elements, iFLY being that it is an Indoor Skydiving attraction, has decided to accentuate the height of the space to add to the customer experience.

Design:

The exterior design accentuates height as the catalyst of experiencing flight. All the exterior elements draw the customer's eyes up to foster intrigue and excitement associated with flight. The exterior form of the building is derived by the interior functionality of the flight systems. The aesthetic style of the exterior is meant to compliment and accommodate the interior function, none of the design elements portray a corporate image.

The exterior material chosen for the façade of the building was specifically picked to compliment adjacent buildings through the use of native earth tone colors. To achieve this, we've redesigned the façade to limit the use of flat metal panels to the front entrance and all other areas of the façade are now utilizing a compatible stucco finish. The design of the facility incorporates a protective overhang at the front entrance for our customers.

Materials and Colors:

The iFLY building will implement the use of stucco and flat metal panels in three earth tone colors as outlined in the schedule below. All exterior doors and frames shall be hollow metal, painted to match adjacent material color with the exception of the storefront door which is to be an all glass door. Color and material samples will be submitted separately for the Cities review.

EXTERIOR MATERIAL FINISH SCHEDULE				
MARK	MATERIAL	MANUFACTURER	COLOR	DESCRIPTION
A	Stucco	Sto Corp	SW 0057 Chinese Red	Integral earth tone red stucco
B	Stucco	Sto Corp	SW 6141 Softer Tan	Integral earth tone tan stucco
C	Composite Aluminum Panel	Reynobond	Colorweld LF	Long Brushed Aluminum
D	Brake Metal Cornice	TBD	White	

Landscape Design and Screening:

A landscape plan has been submitted along with this letter. The iFLY landscape design not only illustrates jurisdictional requirements but also compliments the iFLY facility and surrounding buildings. The screening of our refuge enclosure will be constructed with burnished CMU blocks finished to match the look and feel of the building.

Lighting:

The parking lot lighting will consist of twenty foot (20') high poles with arm mounted fixtures. The fixture cut sheets are provided with this letter and comply with the City of Chesterfield's Unified Development Code.

The building lighting will consist of up/down lights positioned on the façade of the building. The fixture cut sheets are provided with this letter and comply with the City of Chesterfield's Unified Development Code.

Sincerely,

Mason Becker

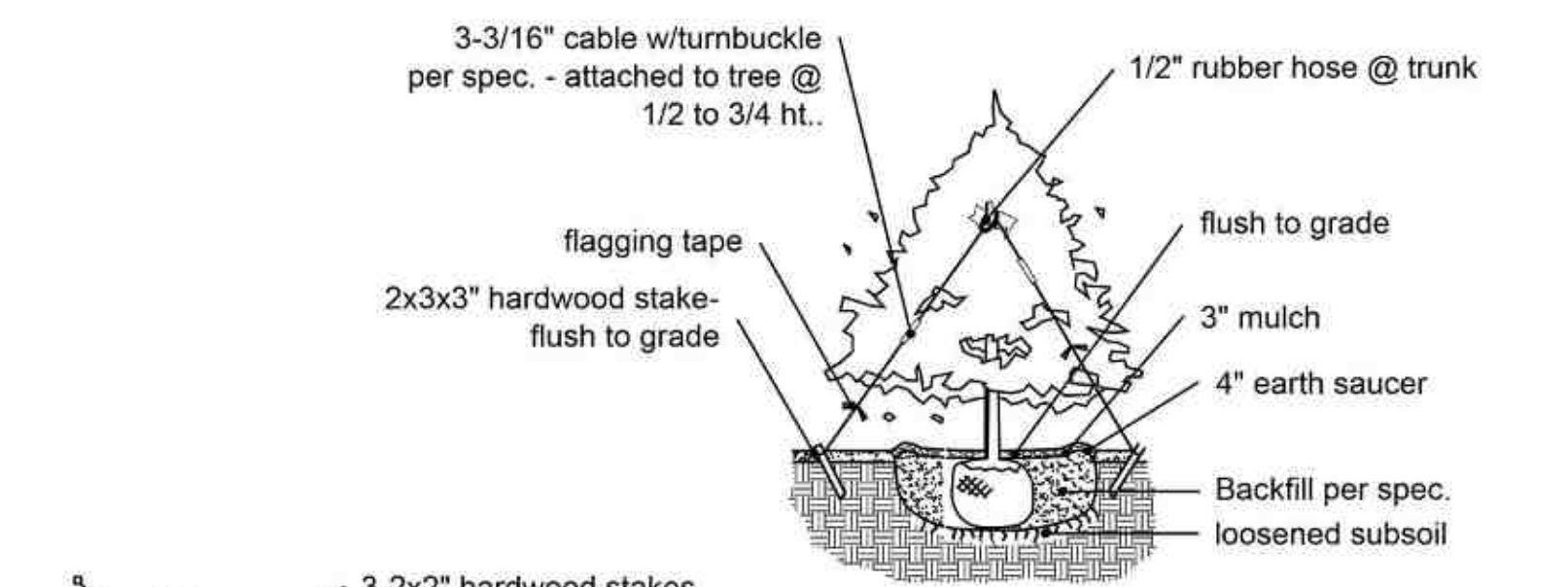
Mason Becker

Design Project Manager

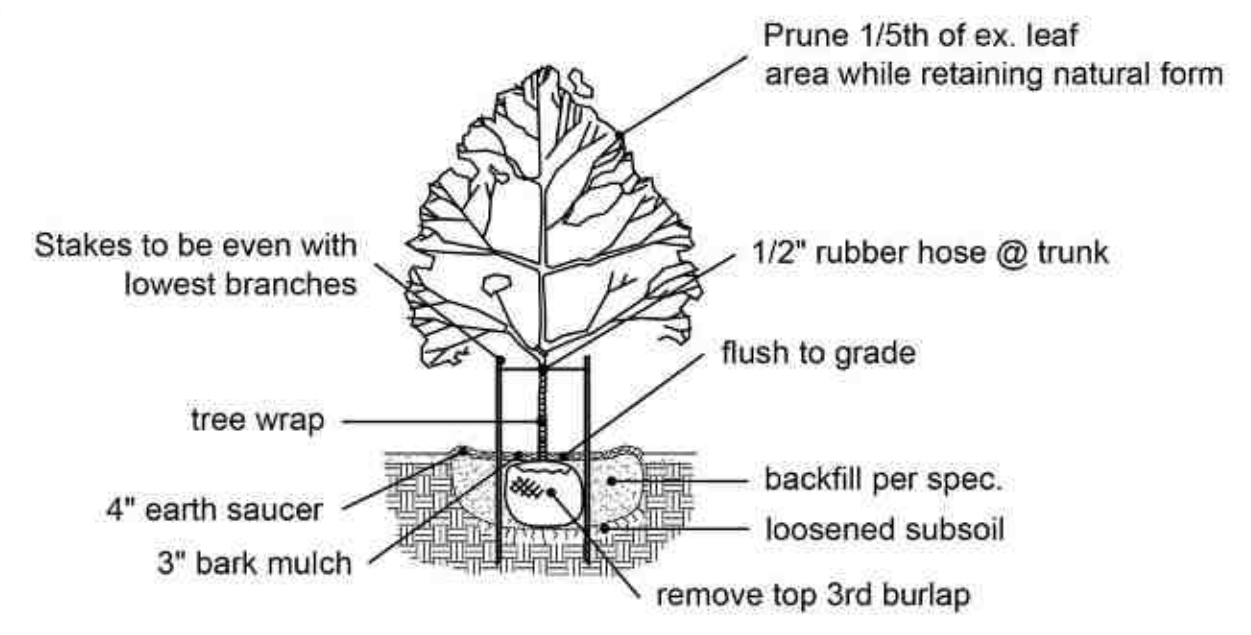
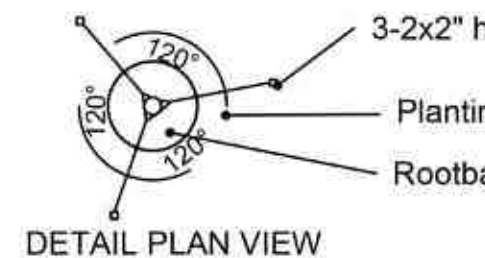




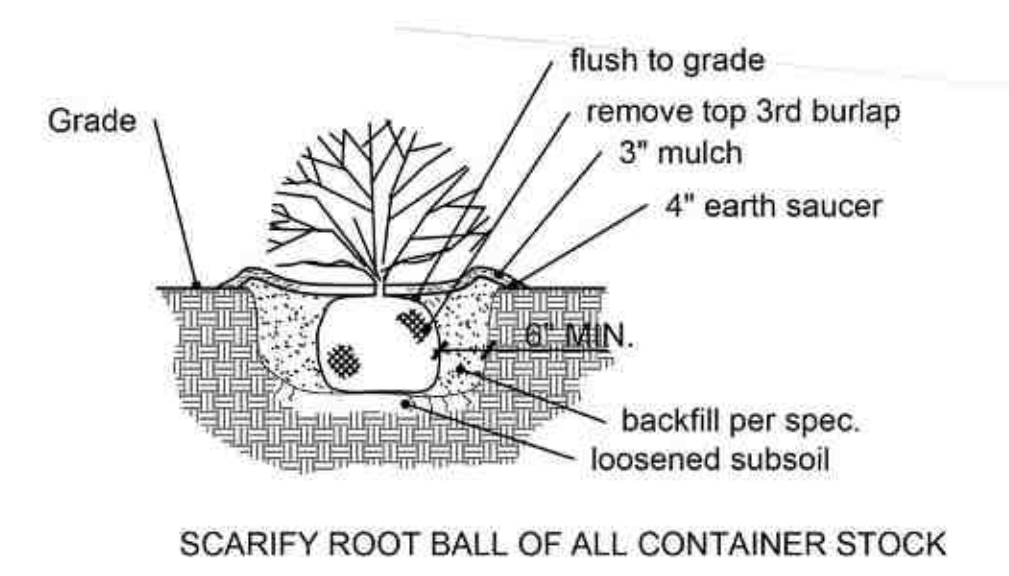
LANDSCAPE PLAN
SCALE 1"=30'



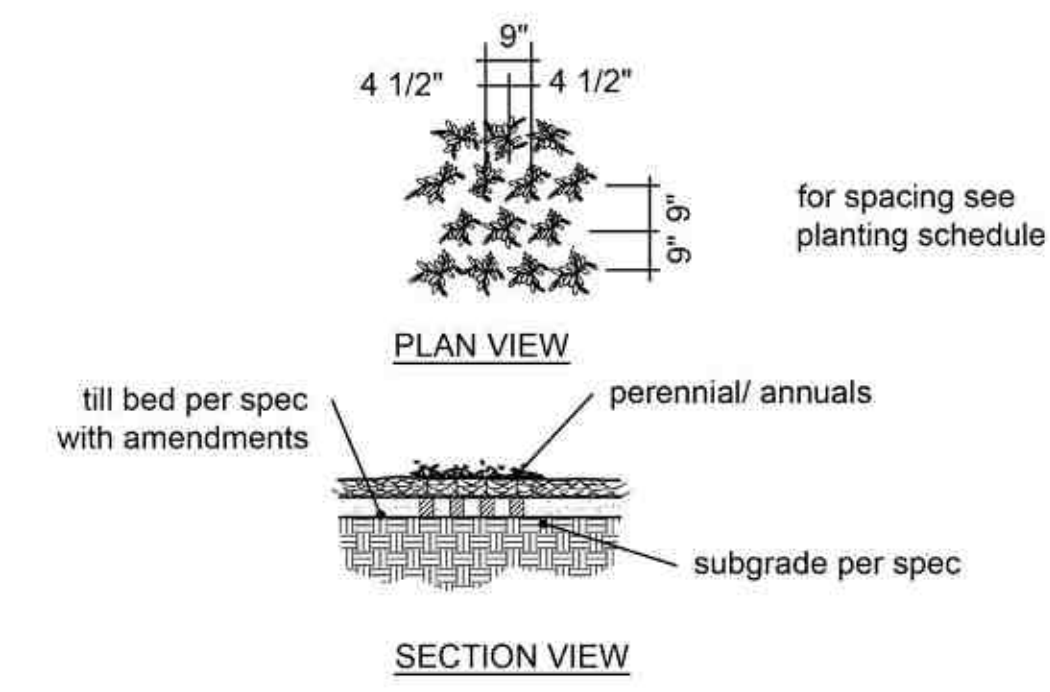
TYPICAL EVERGREEN PLANTING



CANOPY TREE PLANTING



TYPICAL SHRUB PLANTING



TYPICAL PERENNIAL PLANTING

CANOPY TREES		PLANTING SCHEDULE					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SIZE CLASS TYPE	GROWTH RATE	MATURE SIZE
A	4	Carpinus betula	European Hornbeam	2.5'cal	Medium;Canopy	Slow/Medium	35-40'
E	5	Carpinus caroliniana	American Hornbeam	2.5'cal	Small;Street Tree	Medium	20-35'
K	6	Quercus rubra	Red Oak	2.5'cal	Large;Canopy	Medium/Fast	45'+
L	7	Quercus bicolor	Swamp White Oak	2.5'cal	Large;Canopy	Medium	45'+
UNDERSTORY TREES							
M	1	Cornus florida f. rubra	Pink Flowering Dogwood	2.5'cal	Small;Ornamental	Slow/Medium	15-25'
N	5	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2.5'cal	Medium;Ornamental	Slow/Medium	25-30'
EVERGREEN TREES							
S	4	Picea abies	Norway Spruce	6'h	Med/Large;Evergreen	Medium/Fast	40-60'
T	3	Pinus strobus	White Pine	6'h	Large;Evergreen	Fast	45+
W	9	Thuja 'Green Giant'	Green Giant Arborvitae	6'h	Large;Evergreen	Fast	40-60'
X	18	Juniperus chinensis 'Keteleeri'	Keteleeri Juniper	6'h	Small;Evergreen	Fast	15-20'
SHRUBS AND LARGE GRASSES							
a	24	Buxus sinica var. insularis 'Wintergreen'	Wintergreen Boxwood	18-24"			
b	21	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	24"			
c	7	Juniperus virginiana 'Grey Owl'	Grey Owl Juniper	24"			
d	7	Viburnum x rhytidophyllum	Leatherleaf Viburnum	24"			
e	14	Hydrangea paniculata 'Jane'	Little Lime Hydrangea	24"			
f	15	Juniperus x pfitzeriana 'Kallay's Compact'	Kallay's Compact Pfitzer Juniper	24"			
g	7	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	3 gal.			
PERENNIALS AND ANNUALS							
aa	200sf	Ornamental perennials	To be selected	1 gal.			
bb	333sf	Bioretention Plantings per MSD Requirements	To be selected	DCP			

NOTES:
 1. MULCH TO BE DOUBLE GROUND BARK MULCH.
 2. ALL 3:1 OR STEEPER SLOPES SHALL BE SEEDED AND HAVE EROSION CONTROL BLANKET. ALL OTHER AREAS TO BE SODDED WITH TURF-TYPE TALL FESCUE.
 3. TOPSOIL IN ALL DISTURBED LAWN AREAS AT 6" DEPTH.
 4. SOIL MIX IN ALL SHRUB BEDS AT 8" DEPTH.
 5. ALL NEW LANDSCAPE SHALL BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM PER THE CITY OF CHESTERFIELD UNIFIED CODE SECTION 04-02. CONTRACTOR TO PROVIDE DESIGN-BUILD DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT.

CALCULATIONS:
 1. PERCENTAGE OF TREES WITH SLOW TO MEDIUM GROWTH RATE:
 22 TREES WITH SLOW TO MED GROWTH RATE + 62 TOTAL TREES = 35.5% (MIN. 30% REQUIRED)
 2. MAXIMUM OF 20% OF ONE SPECIES MAY BE UTILIZED FOR STREET TREES: THE 20% STREET TREE REQUIREMENT IS MET ON THE CONCEPT LANDSCAPE PLAN. SEE SHEET CL1.0.
 3. OPEN SPACE PERCENTAGE:
 42,806sf + 71,357sf = 59.7%

Jerald Saunders - Landscape Architect
 MO License # LA-0071172

Consultants:

LOT C2 SUMMIT - TOPGOLF SUB

CITY OF CHESTERFIELD, MISSOURI

Revisions:

Date	Description	No.
4/5/19	Plan Revision	1
10/10/19	Plan Revision	2
3/10/20	Plan Revision	3

Drawn: LWH
 Checked: JAS

Ioomis Associates

landscape architects/planners

2020 West 47th Street
 Suite 100
 St. Louis, MO 63112
 Phone: 314.433.9999
 Email: info@ioomis.com

Ioomis Associates Inc.
 Missouri State Certificate of Authority #: LAC #000019

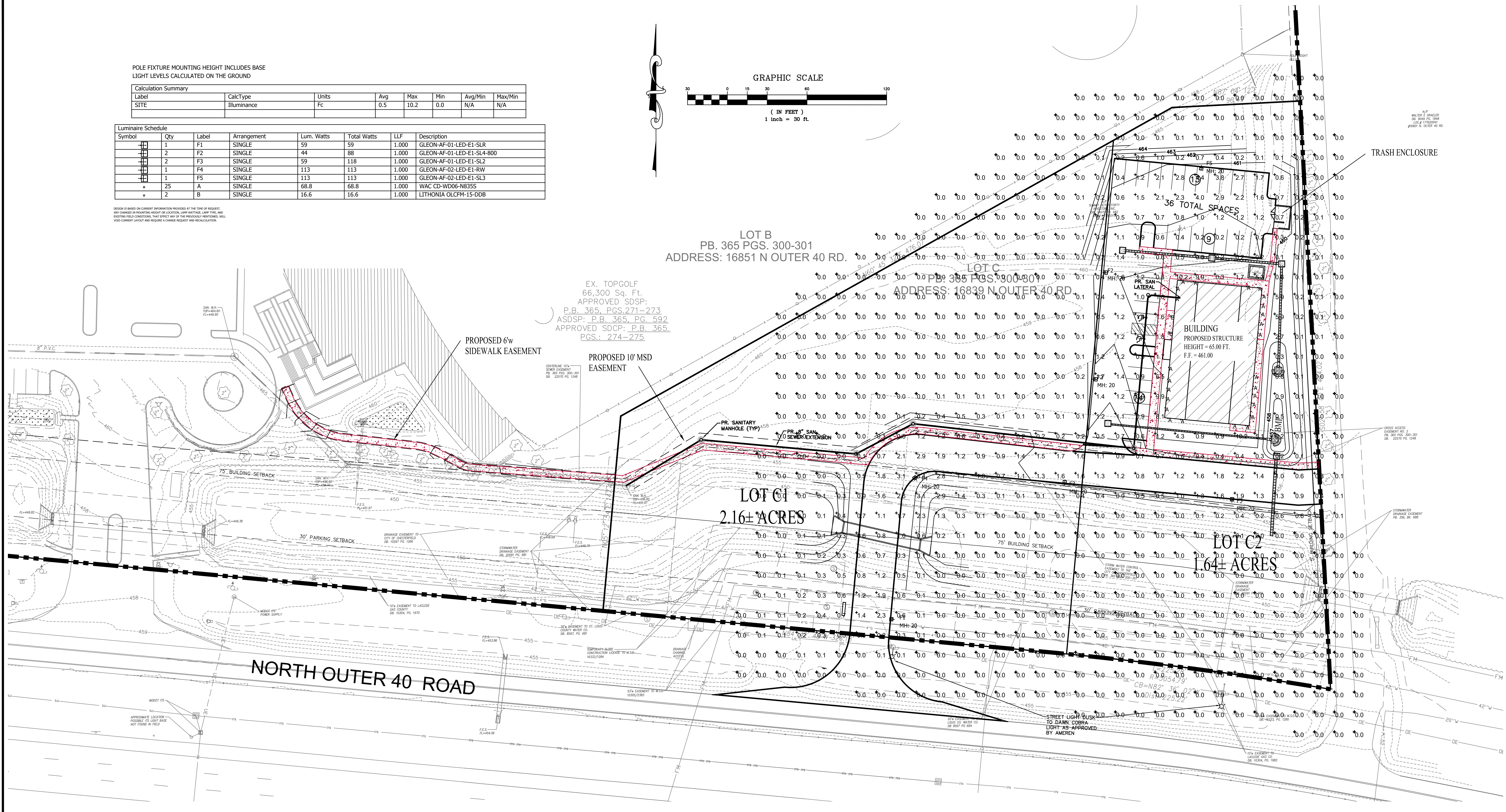
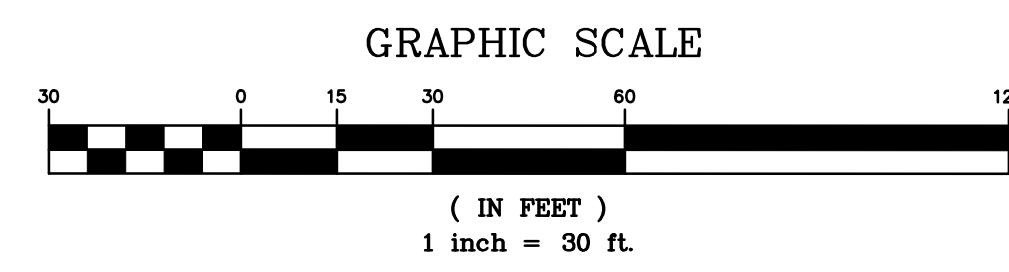
Sheet Title: Section Landscape Plan
 Sheet No: L1.0
 Date: 03/05/19
 Job #: 1019.001

POLE FIXTURE MOUNTING HEIGHT INCLUDES BASE
LIGHT LEVELS CALCULATED ON THE GROUND

Calculation Summary		Units	Avg	Max	Min	Avg/Min	Max/Min
Label	CalcType	Fc	0.5	10.2	0.0	N/A	N/A
SITE	ILLUMINANCE						

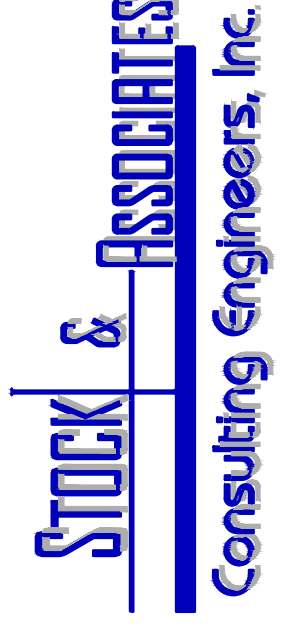
Symbol	Qty	Label	Arrangement	Lum. Watts	Total Watts	LLF	Description
□	1	F1	SINGLE	59	59	1.000	GLEON-AF-01-LED-E1-SLR
□	2	F2	SINGLE	44	88	1.000	GLEON-AF-01-LED-E1-SL4-800
□	2	F3	SINGLE	59	118	1.000	GLEON-AF-01-LED-E1-SL2
□	1	F4	SINGLE	113	113	1.000	GLEON-AF-02-LED-E1-RW
□	1	F5	SINGLE	113	113	1.000	GLEON-AF-02-LED-E1-SL3
•	25	A	SINGLE	68.8	68.8	1.000	WAC CD-WD06-N835S
•	2	B	SINGLE	16.6	16.6	1.000	LITHONIA OLCFM-15-DOB

DESIGN IS BASED ON DOCUMENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION SHALL BE NOTED. LIGHT FIXTURES SHALL BE INSTALLED UNDER THE BEST OF AVAILABLE LIGHTING CONDITIONS. THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL BE SO INDICATED AND WILL REQUIRE A CHANGE REQUEST AND RECALCULATION.



TRASH ENCLOSURE

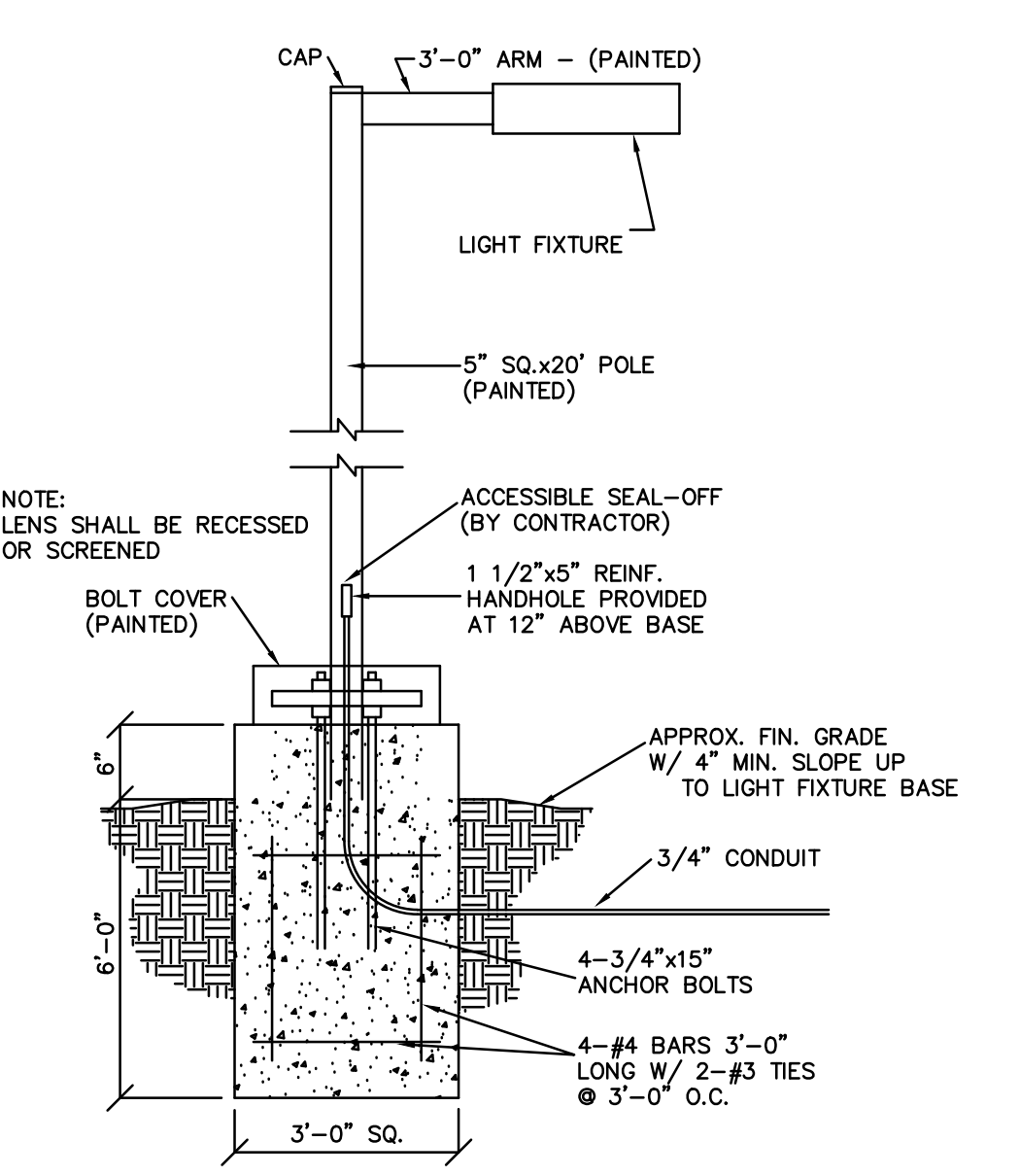
PREPARED BY:



SITE DEVELOPMENT SECTION PLAN FOR:

LOT C2 SUMMIT-TOPGOLF SUB

CITY OF CHESTERFIELD, MISSOURI



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



10/09/19

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

- REVISIONS:
- 4/03/19 REV. PER CITY LETTER DATED 3/26/19
 - 10/09/19 REV. PER CLIENT
 - 12/09/19 UPDATE SITE LIGHTING

DATE	BY	CHECKED BY	JOB NO.
3/07/2019	C.A.H.	G.M.S.	215-6414
DATE	BY	DATE	BY
P-XXXX-XX	XX-X	BASE MAP	XX-X
S.L.C. MAT #	XX-XXX-XX	HMT SUP.	XX-XXX-XX
XXXX			

SHEET TITLE:
PHOTOMETRIC PLAN

SHEET NO.:
SDSP-3.0

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT:
Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.



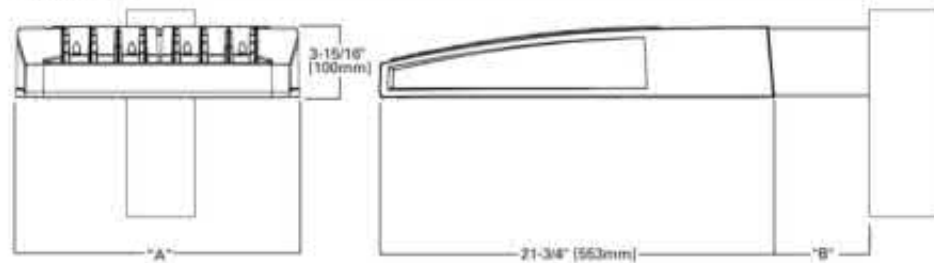
GLEON GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE



DIMENSIONS

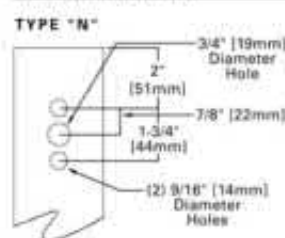


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length 1	Weight with Arm (lbs.)	EPA with Arm 2 (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.98
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	53 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN



CERTIFICATION DATA
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium* Qualified*

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)



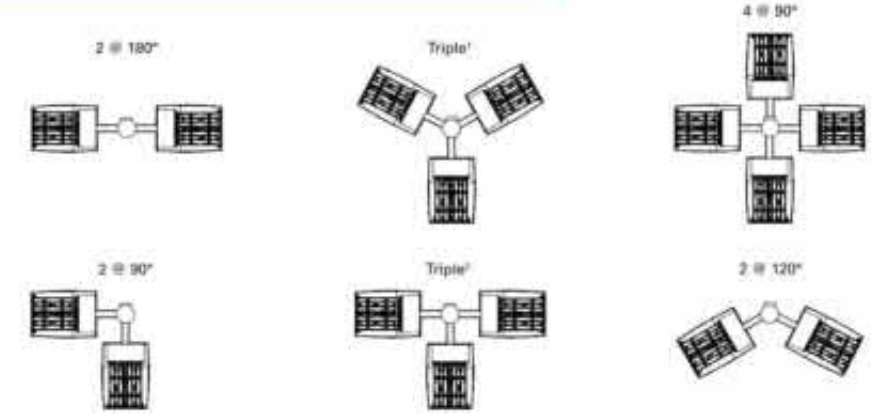
TD500020EN
October 1, 2018 10:12 AM



*www.designlights.org

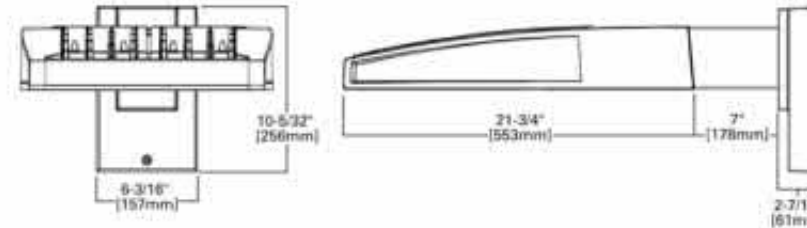
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

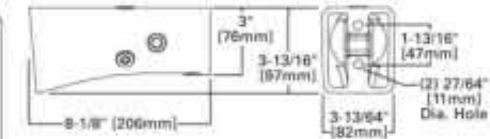


NOTES: 1 Round poles are 3 @ 120°. Square poles are 2 @ 90°. 2 Round poles are 2 @ 90°.

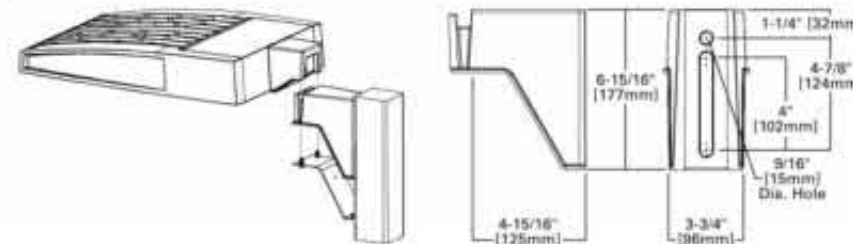
STANDARD WALL MOUNT



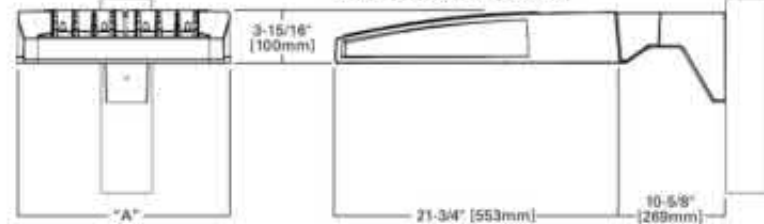
MAST ARM MOUNT



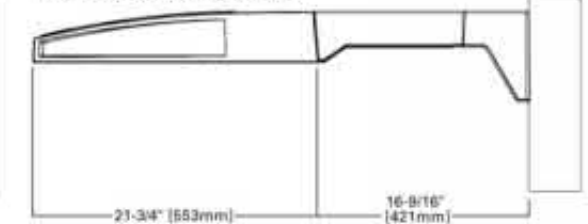
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)



QUICK MOUNT ARM DATA

Number of Light Squares 1,2	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.



Eaton
1121 Highway 78 South
Peachtree City, GA 30289
P: 770-486-1800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD500020EN
October 1, 2018 10:12 AM

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON-Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁶ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{1,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5N0=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Maat Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹¹
Options (Add as Suffix)				Accessories (Order Separately)			
7030=70 CRI 3000K ¹² 8030=80 CRI 3000K ¹² 7050=70 CRI 5000K ¹² 7060=70 CRI 6000K ¹² 600=Drive Current Factory Set to Nominal 600mA ¹³ 800=Drive Current Factory Set to Nominal 800mA ¹³ 1200=Drive Current Factory Set to Nominal 1200mA ^{13,14} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) ZL=Two Circuits ^{15,16} DIM=External 0-10V Dimming Leads ^{17,18} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) ¹⁹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²⁰ R=NEMA Twistlock Photocontrol Receptacle ²⁰ AHD145=After Hours Dim, 5 Hours ²¹ AHD245=After Hours Dim, 6 Hours ²¹ AHD255=After Hours Dim, 7 Hours ²¹ AHD355=After Hours Dim, 8 Hours ²¹ HA=50°C High Ambient ²² MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{23,24} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{23,24} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{23,24} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) ^{23,24} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{23,24,25} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{23,24,25} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{23,24,25} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) ^{23,24,25} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ^{23,24} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{23,24} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{23,24} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) ^{23,24} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{26,27} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{26,27} WOLC-7P-10A=WaveLinX Wireless Outdoor Lighting Control Module ²⁸ L50=Optics Rotated 50° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing ²⁹ HSS=Factory Installed House Side Shield ³⁰ CE=CE Marking ³¹				OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSR-100=Wireless Configuration Tool for Occupancy Sensor ³² GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-OM=Quick Mount Arm Kit ³³ GLEON-QMEA=Quick Mount Extended Arm Kit ³³ LS/HSS=Field Installed House Side Shield ³⁰ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ^{28,34}			

NOTES:
 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS12001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS-4-LXX or MS-1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 8 light squares. 13 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 1 Amp standard. Use dedicated IES file for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. 16 Not available with HA option. 17 25 is not available with MS, MS/X or MS/DIM at 347V or 480V. 25 in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. 25 Approximately 22' detection diameter at 8' mounting height. 26 Approximately 40' detection diameter at 20' mounting height. 27 Approximately 60' detection diameter at 40' mounting height. 28 Approximately 100' detection diameter at 40' mounting height. 29 Replace X with number of Light Squares operating in low output mode. 30 LumaWatt Pro wireless sensors are factory installed only requiring network components (LWP-EM-1, LWP-GW-1 and LWP-PoS) in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. 31 Not available with house side shield (HSS). 32 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 33 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 34 One required for each Light Square. 35 Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology ³⁶	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.



Eaton
 1121 Highway 34 South
 Peachtree City, GA 30289
 P: 770-486-4800
 www.eaton.com/lighting
 Specifications and dimensions subject to change without notice.

TD500020EN
 October 1, 2018 10:12 AM

FIXTURE L2 - BUILDING LIGHTING LIGHTING

DESCRIPTION

Combining value and performance in a compact, robust design, the Night Falcon low wattage LED floodlight luminaire delivers superior uniformity and excellent illumination to the targeted application. The rugged, die-cast housing is IP66 rated for exceptional durability and long term reliability. Available in several mounting configurations and weighing less than 14 pounds, this fixture provides you with design flexibility while simplifying installation. The low wattage LED floodlight can be wall, ground, or pole mounted, making it ideal for all commercial, industrial, and residential low wattage floodlighting applications.

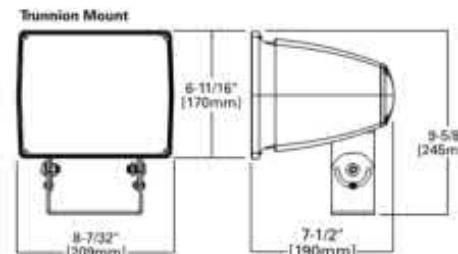
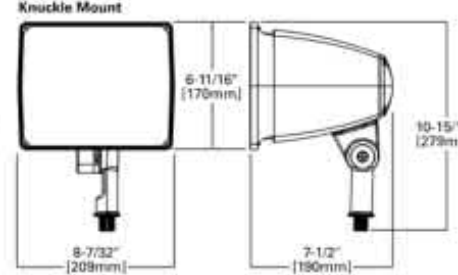
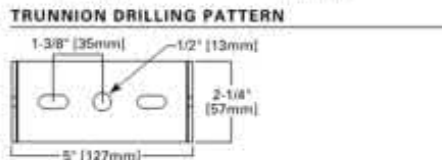
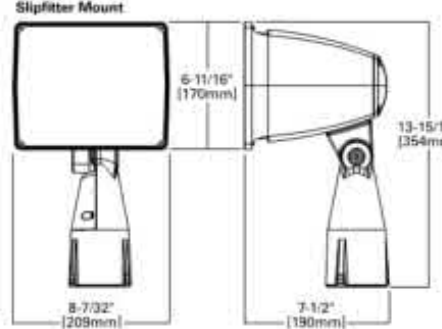
SPECIFICATION FEATURES

Construction
 Heavy-duty, die-cast aluminum housing, driver compartment and driver housing door. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. Suitable for mounting within 4' (1.2m) of the ground.

Optics
 The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the wide NEMA type 6H x 6V distribution, maximizing efficiency and application spacing. A 3H x 3V distribution is available for lighting tall, narrow surfaces. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI optional. Optional 5700K CCT, 3000K CCT, 5000K CCT minimum 70 CRI are available.

Electrical
 LED driver is mounted to the removable die-cast aluminum door

DIMENSIONS



Catalog #	Type
	BLACK
Project	
Comments	
Prepared by	

Lumark



NFFLD-S NIGHT FALCON SMALL

Solid State LED
 FLOODLIGHT



CERTIFICATION DATA
 UL/cUL Wet Location Listed
 IP66 Fixture and Optical Chamber
 LM79/LM80 Compliant
 1.5G Vibration Rated - Knuckle Mount
 3.0G Vibration Rated - Slipfitter Mount
 3.0G Vibration Rated - Trunnion Mount
 RoHS Compliant
 DesignLights Consortium® Qualified*

ENERGY DATA
 Electronic LED Driver
 > 0.9 Power Factor
 < 20% Total Harmonic Distortion
 120V 50/60Hz, 347V/60Hz and 480V/60Hz
 -40°C Min. Ambient Temperature Rating
 +40°C Max. Ambient Temperature Rating

EPA
 Effective Projected Area (Sq. Ft.): 0.55

SHIPPING DATA
 Approximate Net Weight:
 13 lbs. (6 kgs.)



TD506011EN
 April 5, 2018 9:20 AM



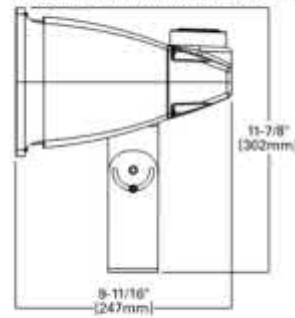
Powering Business Worldwide

*www.designlights.org

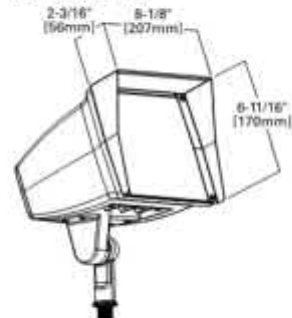
OPTION

ACCESSORIES

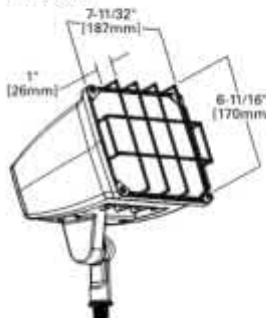
NEMA Twistlock Photocontrol Receptacle



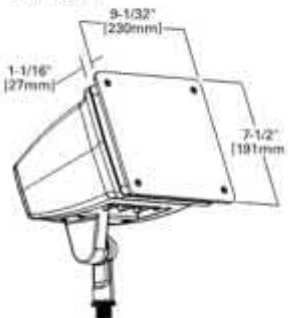
Top and Side Visors



Wire Guard



Vandal Shield



POWER AND LUMENS

C70 LED	6 x 6				3 x 3			
	NFFLD-S-C70	NFFLD-S-C70-7060	NFFLD-S-C70-7050	NFFLD-S-C70-7030	NFFLD-S-C70	NFFLD-S-C70-7060	NFFLD-S-C70-7050	NFFLD-S-C70-7030
Delivered Lumens	2,682	2,656	2,760	2,632	2,883	2,824	2,935	2,799
CCT (Kelvin)	4000K	5700K	5000K	3000K	4000K	5700K	5000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6H x 6V	6H x 6V	6H x 6V	6H x 6V	3H x 3V	3H x 3V	3H x 3V	3H x 3V
Power Consumption (Watts)	20	20	20	20	26	26	26	26
C15 LED	NFFLD-S-C15	NFFLD-S-C15-7060	NFFLD-S-C15-7050	NFFLD-S-C15-7030	NFFLD-S-C15	NFFLD-S-C15-7060	NFFLD-S-C15-7050	NFFLD-S-C15-7030
Delivered Lumens	5,787	5,741	6,066	5,785	5,489	5,386	5,506	5,337
CCT (Kelvin)	4000K	5700K	5000K	3000K	4000K	5700K	5000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6H x 6V	6H x 6V	6H x 6V	6H x 6V	3H x 3V	3H x 3V	3H x 3V	3H x 3V
Power Consumption (Watts)	51	51	51	51	52	52	52	52

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
NFFLD-S-C15-33 (3 x 3 Spot)		
25°C	> 94.74%	> 336,000
40°C	> 93.37%	> 264,000
NFFLD-S-C15-66 (6 x 6 Wide)		
25°C	> 95.53%	> 399,000
40°C	> 95.10%	> 362,000
50°C	> 94.60%	> 324,000

CURRENT DRAW

Voltage (V)	6 x 6		3 x 3	
	NFFLD-S-C70 Current (A)	NFFLD-S-C15 Current (A)	NFFLD-S-C70 Current (A)	NFFLD-S-C15 Current (A)
120V	0.15	0.45	0.21	0.46
208V	0.09	0.25	0.13	0.26
240V	0.08	0.22	0.11	0.23
277V	0.07	0.19	0.10	0.20
347V	0.06	0.16	0.10	0.21
480V	0.05	0.13	0.07	0.22

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97
50°C	0.96

ORDERING INFORMATION

Sample Number: NFFLD-S-C15-D-UNV-66-S-CB-PC1

Product Family ¹	Light Engine ²	Driver ³	Voltage	Distribution	Mounting	Color
NFFLD-S=Night Falcon Small	C70=2,700 Nominal Lumens C15=5,900 Nominal Lumens	D=Dimming (0-10V)	UNV=Universal 120-277V 347=347V ^{4, 5} 480=480V ^{4, 5}	33=NEMA 3H x 3V ⁶ 66=NEMA 6H x 6V Wide	S=Slipfitter ⁷ T=Trunnion KNC=Knuckle	CB=Carbon Bronze (Standard) BK=Black BZ=Bronze AP=Grey WH=White WHT=Summit White DP=Dark Platinum GM=Graphite Metallic
Options (Add as Suffix)				Accessories (Order Separately) ¹⁴		
7030=70 CRI / 3000K ⁸ 7050=70 CRI / 5000K ⁸ 7060=70 CRI / 5700K ⁸ 10MSP=10kV MOV Surge Protection HA=50°C High Ambient Temperature ⁹ PC1=Button Type Photocontrol - 120V ¹⁰ PC2=Button Type Photocontrol - 208-277V ¹⁰ PER=3-PIN Twistlock Photocontrol Receptacle ¹¹ PER7=7-PIN Twistlock Photocontrol Receptacle ^{11, 12}				RAB-XX=Right Angle Pipe Bracket for Slipfitter SAB-XX=Steel Angle Bracket for Trunnion TS2LW-NFFLD-XX=Top and Side Visors ¹³ VSLW-NFFLD=Vandal Shield ¹⁴ WGLW-NFFLD=Wire Guard ¹⁴		

NOTES:

- Designlights Consortium[®] Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Standard 4000K CCT and minimum 70 CRI. Consult IES file for actual lumen output.
- Consult factory for driver surge protection values.
- 347V only available with PC2.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Nominal lumen values are lower for the spot optic distribution see lumen table.
- Fit 2 3/8" O.D. Simon wire leads runs through bottom of slipfitter.
- Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 5700K when performing layouts. These files are published on the Night Falcon Small luminaire product page on the website.
- HA option not available with 3x3 configurations.
- Cannot order button photocontrol with C15 lumen package and 480V (PC1 or PC2).
- Requires extended back box.
- Requires 0-10V dimming driver.
- Replace XX with color designation. Additional brackets and adaptors available on the poles product page on the website.
- Cannot combine TS2LW (Top and Side Visor), VSLW (Vandal Shield), or WGLW (Wire Guard), limited to one external guard per fixture.

STOCK ORDERING INFORMATION

Stock Sample Number: NFFLD-S-C15-T-UNV

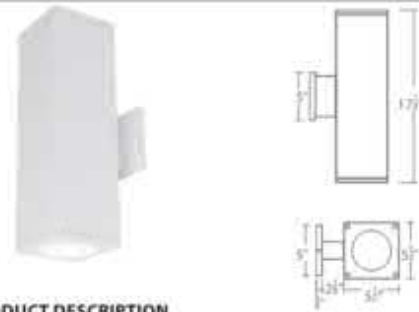
Series	Light Engine	Mounting	Voltage	Options (Add as Suffix)
NFFLD-S=Night Falcon Small	C70=2,700 Nominal Lumens C15=5,900 Nominal Lumens	T=Trunnion KNC=Knuckle	UNV=Universal 120-277V 347=347V	PC1=Button Type Photocontrol - 120V PC2=Button Photocontrol - 207-277V

NOTES: Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options. Refer to In-Stock Guide for availability. Stock return is 400K, dimming, 66 distribution, 120-277V or 347V, carbon bronze only. 347V only available with PC2.

FIXTURE A - BUILDING LIGHTING

CUBE ARCHITECTURAL DC-WD06 WAC LIGHTING

LED Wall Mounts



Fixture Type:

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

The latest energy efficient LED technology in an appealing cubical profile delivers accent and wall wash lighting. Comes in various light distribution and beam angle options.

FEATURES

- High performance exterior rated LED wall mount light
- Fixture can install upside down to alter light distribution
- Solid aluminum construction
- 5 year warranty

SPECIFICATIONS

Input: Universal voltage 120V - 277VAC, 50/60Hz
Dimming: Electronic low voltage (ELV): 100% - 5%
 0-10V; 100% - 1%
Light Source: High output 3 Step Mac Adam Ellipse COB
 Rated life of 60,000 hours at L70
Finish: Electrostatically powder coated, white, black, bronze and graphite
Standards: IP65 rated, UL & cUL wet location listed
 Title 24 JAB-2016 Compliant
Operating Temp: -13°F to 122°F (-25°C to 50°C)

ORDERING NUMBER

Diameter	Watt	Beam Angle	Color Temp	CR1	Reference Output ¹ Lumen	CBCP	Efficacy (lm/w)	Light Distribution	Finish		
DC-WD06	6" 35W x 2	S Straight up and down	16°	927S	2700K	90	2820 x 2	18842 x 2	81 x 2		
				827S	2700K	85	3385 x 2	22608 x 2	97 x 2		
				930S	3000K	90	2925 x 2	19543 x 2	84 x 2		
				830S	3000K	85	3535 x 2	23632 x 2	101 x 2		
				835S	3500K	85	3630 x 2	24255 x 2	104 x 2		
				840S	4000K	85	3665 x 2	24490 x 2	105 x 2		
	DC-WD0644	6" 22W x 2	N Straight up and down	28°	927N	2700K	90	2800 x 2	7992 x 2	80 x 2	
					827N	2700K	85	3360 x 2	9589 x 2	96 x 2	
					930N	3000K	90	2900 x 2	8290 x 2	83 x 2	
					830N	3000K	85	3510 x 2	10024 x 2	100 x 2	
					835N	3500K	85	3600 x 2	10288 x 2	103 x 2	
					840N	4000K	85	3635 x 2	10388 x 2	104 x 2	
DC-WD0644	6" 22W x 2	F Straight up and down	38°	927F	2700K	90	2825 x 2	5451 x 2	81 x 2		
				827F	2700K	85	3390 x 2	6540 x 2	97 x 2		
				930F	3000K	90	2930 x 2	5654 x 2	84 x 2		
				830F	3000K	85	3545 x 2	6836 x 2	101 x 2		
				835F	3500K	85	3640 x 2	7017 x 2	104 x 2		
				840F	4000K	85	3675 x 2	7085 x 2	105 x 2		
	DC-WD0644	6" 22W x 2	F Away from the wall	N/A	927A	2700K	90	2860 x 2	82 x 2		
					827A	2700K	85	3435 x 2	98 x 2		
					930A	3000K	90	2970 x 2	85 x 2		
					830A	3000K	85	3590 x 2	103 x 2		
					835A	3500K	85	3685 x 2	105 x 2		
					840A	4000K	85	3720 x 2	106 x 2		
DC-WD0644	6" 22W x 2	F Towards the wall	N/A	927B	2700K	90	2860 x 2	82 x 2			
				827B	2700K	85	3435 x 2	98 x 2			
				930B	3000K	90	2970 x 2	85 x 2			
				830B	3000K	85	3590 x 2	103 x 2			
				835B	3500K	85	3685 x 2	105 x 2			
				840B	4000K	85	3720 x 2	106 x 2			
DC-WD0644	6" 22W x 2	F One side each	N/A	927C	2700K	90	2860 x 2	82 x 2			
				827C	2700K	85	3435 x 2	98 x 2			
				930C	3000K	90	2970 x 2	85 x 2			
				830C	3000K	85	3590 x 2	103 x 2			
				835C	3500K	85	3685 x 2	105 x 2			
				840C	4000K	85	3720 x 2	106 x 2			

- BK Black
- WT White
- BZ Bronze
- GH Graphite

DC-WD06- Example: DC-WD06-F930A-WT ¹Reference output shows 35W output. Multiply by 0.7 to determine output for 22W combinations.

waclighting.com
 Phone (800) 526.2588
 Fax (800) 526.2585

Headquarters/Eastern Distribution Center
 44 Harbor Park Drive
 Port Washington, NY 11050

Central Distribution Center
 1600 Distribution Ct
 Lithia Springs, GA 30122

Western Distribution Center
 1750 Archibald Avenue
 Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. SEPT 2019

FIXTURE B - BUILDING LIGHTING



Catalog Number:

Notes:

Type:

FEATURES & SPECIFICATIONS

INTENDED USE — The OLCFM provides years of maintenance-free general illumination for residential and commercial outdoor applications such as porches, covered walkways and store entrances.

CONSTRUCTION — Rugged cast-aluminum top-plate and outer-ring are protected by a thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

Polycarbonate LED lens/cover protects LEDs.

Fixture weight = 2.98 lbs.

OPTICS — 96 high-performance LEDs produces up to 1077 lumens and maintain 70% of light output at 50,000 hours of service.

(LED lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology.)

White acrylic diffuser provides a soft white light at 4000K CCT

See Lighting Facts Labels for specific fixture performance.

ELECTRICAL — Fixture operates at 120 volts, 60 Hz.

Standard input = 16.6 watts

Operating temperature = -40°C to 40°C.

Amps @ 120V = .131.

Surge protection = 2.5kV.

INSTALLATION — Mounts easily to existing junction box (by others).

LISTINGS — UL Listed to U.S. and Canadian safety standards for wet locations.

Designed for ceiling or wall mounting more than 4' above the ground.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Note: Specifications subject to change without notice.



Outdoor General Purpose

OLCFM



OUTDOOR LED CAST FLUSH MOUNT



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

All configurations of this product are considered "standard" and have short lead times.

Example: OLCFM 15 DDB

Series	Light Engine	Color Temperature (CCT) ¹	Voltage	Finish
OLCFM	15	(blank) 4000K	(blank) 120V	DDB Dark bronze WH White

Notes

¹ Nominal Correlated Color Temperature (CCT) per ANSI C78.377-2008.

PHOTOMETRIC DIAGRAMS

To see complete photometric reports or download .ies files for this product, visit www.lithonia.com. Tested in accordance with IESNA LM829 and LM800 standards.

