



III.A.

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Architectural Review Board Staff Report

Project Type: Amended Site Development Section Plan

Meeting Date: April 14, 2016

From: Jessica Henry, AICP
Project Planner

CC: Aimee Nassif, Planning & Development Services Director

Location: South of South Outer Forty Road west of its intersection with Chesterfield Center

Applicant: GMA Architects on behalf of Skygroup Investments, LLC.

Description: **Chesterfield Village Mall (i-FLY):** Amended Site Development Section Plan, Amended Landscape Plan, Amended Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a 4.09 acre lot of land zoned "C8" Planned Commercial District located south of South Outer Forty Road west of its intersection with Chesterfield Center, more specifically addressed 595 Chesterfield Center.

PROPOSAL SUMMARY

The request is for an 11,200 square foot indoor skydiving facility located on an out lot of the Chesterfield Mall. The subject site is zoned "C-8" Planned Commercial District. The proposed building is 67 feet in height and will be primarily constructed of EIFS, with a clear anodized aluminum storefront and a CMU band along the base of the building. Large, clear glass windows and a small balcony are featured along the front façade. As detailed in the Architect's Statement of Design, the unique building form and design results from the building's functional demands as an indoor sky-diving facility.

HISTORY OF SUBJECT SITE

Chesterfield Village Mall was zoned "C-8" Planned Commercial via St. Louis County Ordinance 6,815. St. Louis County Ordinance 6,815 was subsequently amended by St. Louis County Ordinance 10,241, and later by City of Chesterfield Ordinance 577. The subject site is an out lot of the mall and formerly housed the Chesterfield Ciné, which was demolished several years ago and the site has not been redeveloped.



Figure 1 – Subject Site Aerial

STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

As mentioned at the outset, the subject site is an out lot of the Chesterfield Mall and formerly contained the Chesterfield Ciné. When the theater was demolished, the building area was graded and vegetated. The parking area was left in place and has largely deteriorated. The subject site sits south of the Outer 40 Road, with the mall to the south and Edgewild restaurant to the east across Chesterfield Center Drive. The parcels to the west and north are vacant.

B. Circulation System and Access

The site is accessed from Chesterfield Center Drive along the south property line, which is the internal, private mall ring road. The numerous curb cuts along Chesterfield Center Drive date back to the original development of the site. In conjunction with the current proposal, Staff is reviewing these curb cuts in an effort to reduce the number if other site constraints, such as parking requirements, permit such a reduction. The proposed building will be located in the same position on the site as the previous Chesterfield Ciné.

C. Topography

The site is flat and minimal changes to the topography are proposed.

D. Retaining Walls

No retaining walls are proposed.

General Requirements for Building Design:

A. Scale

The applicant is proposing a multi-story building that is approximately 67 feet in height. The building height and massing is comparable to the existing mall and is within the range of varying heights of the other out lot developments in this area. Additionally, the contemporary, exaggerated design of the proposed building ties into the surrounding area architecture via the use of similar materials and bright colors utilized by other mall tenants in recent years, such as the Cheesecake Factory and American Girl store.

B. Design

The building is designed to facilitate the indoor sky-diving use. Each side of the building is comprised of a return air tower that funnels air to the flight chamber, located in the center of the building. The Architect's Statement of Design includes the following statement:

"It's a truly engineered building in that the massing and construction type have been chosen to specifically house the equipment. You can't separate the flying experience from the building that houses it."

The central portion of the building protrudes horizontally from the tall, tapered return air towers, which provides articulation. The roof of the protruding center portion is recessed behind a parapet wall, which fully screens roof-mounted mechanical equipment from view.

C. Materials and Color

The center portion of the building will be comprised of EIFS in three different colors—two complimentary shades of blue applied in a vertical striping pattern, and a neutral beige across the top band that will correspond to the paint color of the return air tower on each side of the building. Several large windows break up the front façade, and two portions of the beige EIFS color are featured between the horizontal set of windows. Two narrow vertical windows are proposed on the rear elevation of the building; however, apart from that the rear of the building lacks the variation provided on the front of the building.

A CMU block band is included along the base of the central portion of the building and an anodized aluminum storefront entry with canopy is proposed.

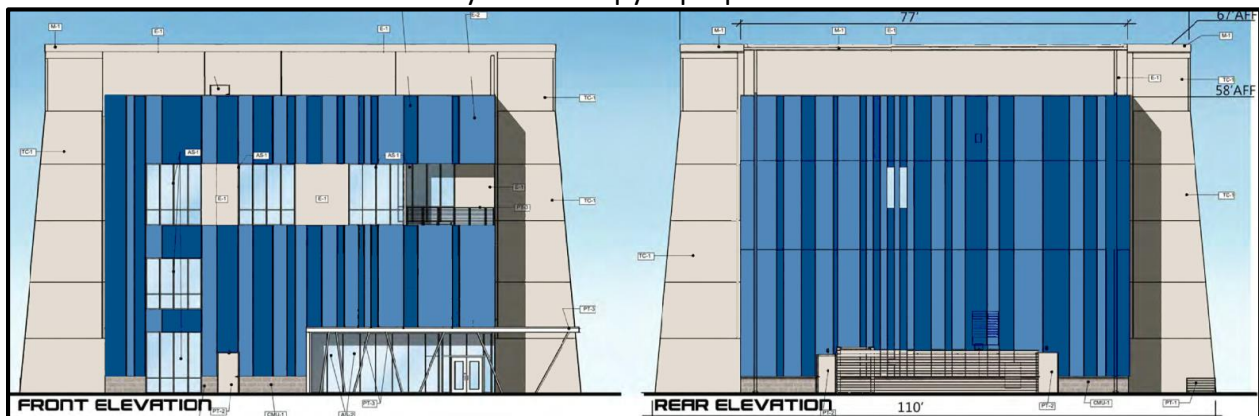


Figure 3 – Front and Rear Architectural Elevations

D. Landscape Design and Screening

As required by the Unified Development Code, trees are provided throughout the parking lot and along the adjacent roadways. Landscaped beds are proposed along the building elevations, and the large area surrounding the area will be graded and seeded.

The rooftop mechanical units are fully screened by the parapet wall provided at the 54' platform level provided by the protruding center portion of the building. A mechanical equipment yard behind the building includes a 9'4" CMU block wall which fully screens the equipment and trash bins from view.

E. Signage

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

F. Lighting

The lighting plan proposes the typical fully shielded, full cut-off pole mounted parking lot light fixtures and building entry wall mounted light fixtures. Additionally, canopy light fixtures are proposed at the entry. Each of these fixtures meets City code requirements.

In addition to these, the applicant is proposing to utilize façade accent lighting on all elevations. This accent lighting consists of projections of blue light on various portions of the façade. Regarding such lighting, the Unified Development Code states the following:

- *Exterior building lighting shall be architecturally integrated with the building style, material, and color. The color of exterior lamps shall be consistent with that on surrounding buildings.*
- *All accent lighting, including light emitting diodes (LED), and lighting used for signage shall be subject to the approval of the Department.*
- *All exterior lighting shall be unobtrusive, harmonious with the local area, and constructed or located so that only the intended area is illuminated and off-site glare is fully controlled.*

As part of Staff's review, additional information regarding this lighting, including color, mounting height, direction, illuminance levels, light cast patterns, and design intent was requested. The applicant provided the following response:

"The ground-mounted accent lighting is positioned at the front/rear and sides of the building with the intention of providing accents to the building façade. The front/rear light consists of 70-watt HID fixtures tagged "XF02", 4000K color temperature, narrow beam pattern, aimed at the building façade such that light will not cast beyond the building façade. The side lighting consists of 150-watt HID fixtures tagged "XF03", 4000K color temperature, medium wide beam pattern, aimed at the building façade such that the light will not cast beyond the building

façade. The fixtures shall have dichroic blue lens which will cast a slightly blue-colored light on the building façade. We have included a photo of the Houston facility at night to help [in] visualizing the lighting application at night.”

Although smaller applications of accent lighting such as these can be permitted if they are found to be architecturally integrated with the building design and harmonious with the surrounding area, the submitted photo of the Houston facility does not appear to reflect the ground-mounted “slightly blue-colored light” casting fixtures described in the response. As such, Staff is of the opinion that additional information is necessary. Staff is also particularly interested in receiving feedback on the use of accent lighting fixtures from the ARB. Additionally, it appears that the large glass windows combined with bright interior lights could lead to a high degree of visibility into the interior of building and a highly lit external appearance. Staff will continue review of this item and will request further information prior to Planning Commission review.

It should also be noted that while signage is not within the ARB’s purview, the utilization of LED accent lighting in conjunction signage is reviewed when a Sign Permit or Sign Package is requested and the image included in the ARB packet is for informational purposes only.

DEPARTMENTAL INPUT

Staff has reviewed the Amended Site Development Section Plan, Amended Landscape Plan, Amended Lighting Plan, Amended Architectural Elevations and Architect’s Statement of Design. 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 action on the Amended Site Development Section Plan, Amended Landscape Plan, Amended Lighting Plan, Amended Architectural Elevations and Architect’s Statement of Design for Chesterfield Village Mall (i-FLY).

MOTION

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

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

Attachments

1. Architectural Review Packet Submittal



ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

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

Project Title: IFLY - CHESTERFIELD Location: CHESTERFIELD MALL RING ROAD

Developer: _____ Architect: GMA ARCHITECTS Engineer: KIMLEY-HORN

PROJECT STATISTICS:

Size of site (in acres): 4 Total Square Footage: 11,200 Building Height: 67'-0"

Proposed Usage: INDOOR SKY DIVING

Exterior Building Materials: EIFS AND CONCRETE

Roof Material & Design: LOW-SLOPE TPO w/ PARAPET

Screening Material & Design: PAINTED, BURNISHED CMU

Description of art or architecturally significant features (if any): _____

ADDITIONAL PROJECT INFORMATION:

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

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

ARCHITECTURAL REVIEW DESIGN STANDARDS

Please refer to Section 04-01 of the Unified Development Code for the Architectural Review Design Standards.

ARCHITECTURAL TERMS

Please refer to Section 10-06 of the Unified Development Code for definitions of Architectural Terms.

iFly – Chesterfield Chesterfield Mall Ring Road

Architect's Statement of Design

1. Background

iFly is the experiential entertainment and recreation company that created modern indoor skydiving. iFly made indoor skydiving safe enough for everyone ages 3 and up to try, quiet enough to locate facilities in shopping malls and dense commercial areas, and efficient enough to make operation cost effective. Our commitment to excellence, customer satisfaction and safety has made us the undisputed market leader.

2. Project Description

The iFly Indoor Skydiving facility is an approximately 11,200 square foot building that includes three occupied stories surrounded on four sides (top, bottom and two sides) by free-fall simulator equipment necessary to operate the flight chamber. Two of the stories are dedicated to indoor skydiving and free-fall simulator activities including training, gathering, flight chamber staging, the flight chamber, merchandising and various support functions. The third story is dedicated to facility support staff and storage. Free-fall simulator equipment includes a large below grade crawl space, two vertical shafts that span the height of the building and an attic that houses an equipment platform used to access shafts, fans and electrical equipment.

3. Façade Design

The façade is a direct result of the function of the indoor flight chamber. Return air towers (RAT) on each side taper towards the top and direct airflow downward into the crawl space that allows the two opposing airflows to converge and direct the flow upwards into the central vertical shaft and flight chamber. The building between is a substantial steel frame covered in integral colored EIFS with vertical reveals complimentary to the towers. Clear anodized aluminum storefront windows provide light into the reception, lobby, conference room and offices. A covered balcony on the third level is located above the entry canopy.

The structure has evolved over the course of the company's history to accommodate the unique equipment necessary, and the optimal flow of people through the experience of flying. It's a truly engineered building in that the massing and construction type have been chosen to specifically house the equipment. You can't separate the flying experience from the building that houses it.

The color scheme reinforces the notion of flight and floating. Vertical bands of blue evoke a layered sky and upward motion. Tall windows emphasize vertical motion. The entrance canopy creates a strong horizontal band with minimal columns creating the illusion of a floating cloud. Architectural details at street level include a base of CMU veneer.

4. Energy Efficiency

Substantial research and development has been invested into the efficiency of the return air towers and crawl space. Air flow and resistance is a major influence on power consumption of the flight chamber equipment. The wall system at conditioned spaces includes 6" (R-19) cavity insulation plus continuous (R-7.5) insulation in the EIFS. To control solar heat gain, roller shades are provided at all exterior windows with the exception of the Reception Lobby which has a canopy with deep overhangs. In addition, a vestibule tempers heating/cooling loss at the building's entry.

5. Equipment Screens

Ground equipment is concealed behind a 9'-4" tall, opaque concrete block wall with louvered metal gates. Roof top equipment is located behind a 4'-0" tall parapet at the 54'-0" equipment platform level. The parapet is a continuation of the vertical wall plane and blends seamlessly with building's massing. Roof top equipment does not exceed 45" in height therefore no equipment is visible from ground level.

6. Context

The building is located at the northwest end of the Chesterfield Mall Complex, roughly 800 feet north of the Dillard's entry arch and roughly 600 feet west of the EdgeWild Restaurant and Winery. It is predominately surrounded by asphalt surface parking to its south with open green space followed by Interstate 40/64 to its north. The simple form and color responds to the massing of Dillard's and Macy at the Mall.



SOLID STATE AREA LIGHTING

RSB SERIES-LED

SPECIFICATIONS

HOUSING

Heavy wall spun aluminum construction.

ARM

3"X5"X6" long heavy wall extruded aluminum. Arm is secured to housing and to pole with stainless steel rods.

LED OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ Distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME: _____

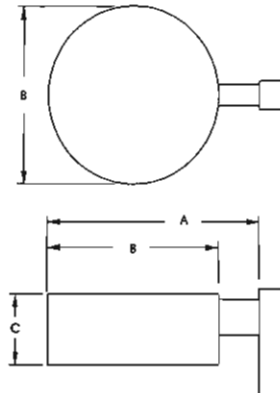
FIXTURE TYPE: _____

L2 / L4 / L22 / L42



RSB

PATENT PENDING



FIXTURE	A	B	C
RSB25	31" 784mm	25" 635mm	11" 279mm
RSB18	24" 609mm	18" 457mm	9" 229mm

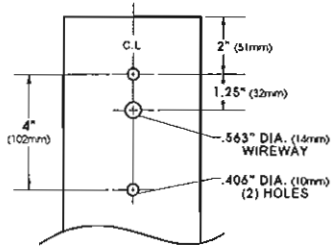


2013158

RSB SERIES - LED

S P E C I F I C A T I O N S

POLE DRILLING TEMPLATE



OVERVIEW

PRECISE CAST ALUMINUM LED MODULE. HOUSING IS VENTED TO PROVIDE AIR FLOW FOR THERMAL MANAGEMENT.

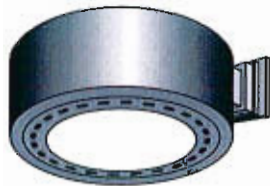
SELF CONTAINED, LENSED LED MODULE.

PROPRIETARY LED OPTICS SEALED IN LED MODULE.

LUXEON® REBEL LED EMITTERS.

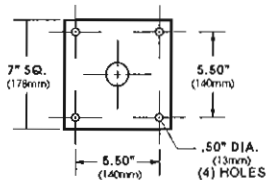
LED DRIVER ACCEPTS FROM 100-277 VAC INPUT VOLTAGE.

WALL MOUNT

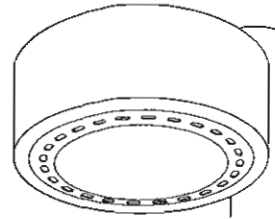


EXTRUDED ALUMINUM ARM AND CAST ALUMINUM WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

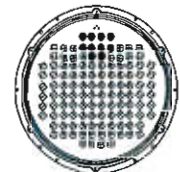
WALL PLATE



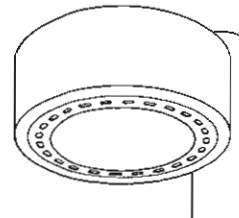
VLED® MODULES



RSB25 E.P.A. = 1.65
Available in:
120, 100, 80 & 64
LED Module



120 LED Module



RSB18 E.P.A. = 1.05
Available in:
80, 64 & 48
LED Module



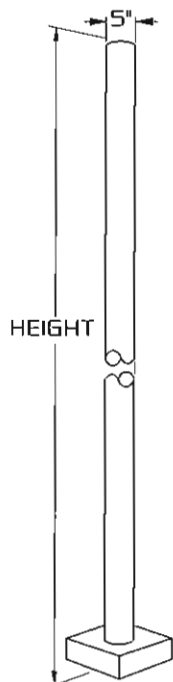
80 LED Module

O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> RSB25	<input checked="" type="checkbox"/> VLED - II (Type-II)	No. LEDs	COLOR	VOLTAGE	ARM MOUNT	STANDARD TEXTURED FINISH	
<input type="checkbox"/> RSB18	<input type="checkbox"/> VLED - III (Type-III)	<input type="checkbox"/> 120LED (132 Watts)	<input checked="" type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> 1 ●	<input checked="" type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS... HS
	<input type="checkbox"/> VLED - IV (Type-IV)	<input type="checkbox"/> 100LED (110 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	STREET LIGHTING ARM MOUNT	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> EXTERNAL HOUSE SIDE SHIELD... EHS
	<input type="checkbox"/> VLED - VSQ (Type-VSQ)	<input checked="" type="checkbox"/> 80LED (89 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> ST23..... ● (TO FIT OVER 2 3/8" O.D. ARM)	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V)... DIM
		<input type="checkbox"/> 64LED (72 Watts)	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	ADJUSTABLE KNUCKLE	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR... HLSW
		RSB18		<input type="checkbox"/> 480	<input type="checkbox"/> NKLE23..... ● (TO FIT OVER 2 3/8" O.D.)	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)... PC+V
		<input type="checkbox"/> 80LED (89 Watts)			WALL MOUNT	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)	<input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY... TPR
		<input type="checkbox"/> 64LED (72 Watts)			<input type="checkbox"/> NKLE27..... ● (TO FIT OVER 2 7/8" O.D.)	SEE USALIG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> 10KV SURGE PROTECTOR... 10SP
		<input type="checkbox"/> 48LED (53 Watts)			<input type="checkbox"/> WM..... ●		<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only)... 20SP
		Wattages are Max Input Watts					

RNTS 5"

L2 / L4 / L22 / L42



5" ROUND STRAIGHT STEEL

SPECIFICATIONS

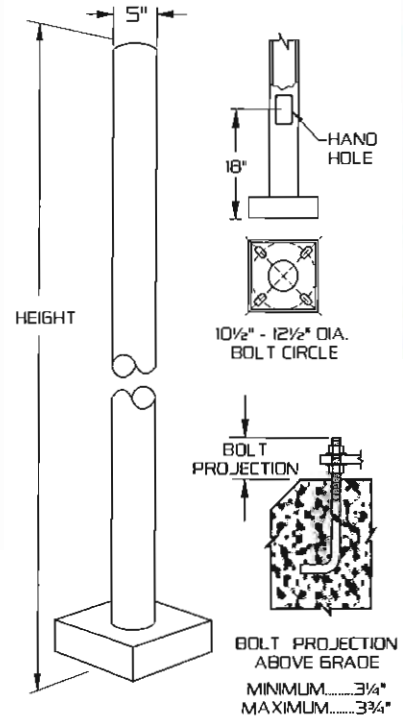
- SHAFT:** 5" DIAMETER, FABRICATED FROM HIGH GRADE STRUCTURAL STEEL TUBE. SHAFT CONFORMS TO ASTM-A-501-68 SPECIFICATIONS. MEETS OR EXCEEDS MINIMUM YIELD STRENGTH OF 46,000 P.S.I. WALL THICKNESS 11 GA. (.120 WALL) OR 7 GA. (.100 WALL) AS SPECIFIED. REINFORCED HAND HOLE IS FURNISHED WITH COVER. SHAFT IS FURNISHED WITH GROUND LUG LOCATED INSIDE POLE ON WALL OPPOSITE HAND HOLE.
- BASE PLATE:** FABRICATED FROM STRUCTURAL QUALITY HOT ROLLED STEEL. MEETS OR EXCEEDS MINIMUM YIELD STRENGTH OF 36,000 P.S.I. BASE TELESCOPES AND IS CIRCUMFERENTIALLY WELDED TO POLE SHAFT. SLOTTED BOLT HOLES PROVIDE 1" FLEXIBILITY ON EITHER SIDE OF BOLT CIRCLE CENTERLINE.
- ANCHORAGE:** (4) ANCHOR BOLTS FABRICATED FROM HOT ROLLED STEEL BAR. MINIMUM YIELD STRENGTH OF 50,000 P.S.I. BOLTS HAVE "L" BEND ON ONE END AND ARE THREADED ON THE OTHER END. BOLTS ARE FULLY GALVANIZED AND ARE FURNISHED WITH TWO NUTS AND TWO WASHERS.
- BASE COVER:** FABRICATED FROM HEAVY GAUGE QUALITY CARBON STEEL. TWO PIECE COVER CONCEALS BASE.
- FINISH:** POLYESTER POWDER COAT. THE METAL SURFACE IS PRETREATED BY SAND BLAST PROCESS FOR MAXIMUM PAINT ADHESION. ELECTROSTATICALLY APPLIED POLYESTER POWDER TOPCOAT IS BAKED AT 400° TEMPERATURE FOR MAXIMUM HARDNESS AND EXTERIOR DURABILITY.

RNTS SERIES

ENGINEERING DATA Maximum EPA - Square Feet

Catalog Number	Maximum Fixt. wgt.	100 MPH	90 MPH	80 MPH	70 MPH
RNTS 165-11	200	8.1	10.0	12.6	15.8
RNTS 185-11	175	6.5	8.1	10.0	12.6
RNTS 185-7	325	12.4	16.3	32.1	43.9
RNTS 205-11	150	5.2	6.5	7.9	10.1
RNTS 205-7	275	10.1	14.9	22.3	32.5
RNTS 255-11	125	4.1	5.9	7.6	10.9
RNTS 255-7	250	8.0	10.7	13.2	19.7

All above design calculations are based on sustained wind forces plus additional 1.3 wind gust
(Example: Pole rated at 80 MPH withstands 104 MPH gusts)



ORDERING INFORMATION

MODEL NO. : RNTS	POLES	MOUNTING	FINISH	OPTIONS																																								
R N T S	<table border="1"> <thead> <tr> <th></th> <th>POLE HEIGHT</th> <th>WALL THICKNESS</th> <th>BOLT CIRCLE</th> <th>ANCHORAGE</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 165-11</td> <td>16'</td> <td>11</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 185-11</td> <td>18'</td> <td>11</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 185-7</td> <td>18'</td> <td>7</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 205-11</td> <td>20'</td> <td>11</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 205-7</td> <td>20'</td> <td>7</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 255-11</td> <td>25'</td> <td>11</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> <tr> <td><input type="checkbox"/> 255-7</td> <td>25'</td> <td>7</td> <td>11 1/2"</td> <td>1"X36"X4"</td> </tr> </tbody> </table>		POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE	<input type="checkbox"/> 165-11	16'	11	11 1/2"	1"X36"X4"	<input type="checkbox"/> 185-11	18'	11	11 1/2"	1"X36"X4"	<input type="checkbox"/> 185-7	18'	7	11 1/2"	1"X36"X4"	<input type="checkbox"/> 205-11	20'	11	11 1/2"	1"X36"X4"	<input type="checkbox"/> 205-7	20'	7	11 1/2"	1"X36"X4"	<input type="checkbox"/> 255-11	25'	11	11 1/2"	1"X36"X4"	<input type="checkbox"/> 255-7	25'	7	11 1/2"	1"X36"X4"	<input type="checkbox"/> 2 3/8"X4" TENON PT23 <input type="checkbox"/> 2 7/8"X4" TENON PT27 <input type="checkbox"/> OTHER TENON MT _____ DRILL MOUNT <input type="checkbox"/> 1..... <input type="checkbox"/> 2-180..... <input type="checkbox"/> 2-90..... <input type="checkbox"/> 3-90..... <input type="checkbox"/> 4-90..... <input type="checkbox"/> 3-120..... 2-90, 3-90, 4-90 REQUIRES PT27 AND T490 ADAPTER 3-120 REQUIRES PT27 AND T3120 ADAPTER	STANDARD SMOOTH FINISH <input type="checkbox"/> BLACK RAL-9005-\$ <input type="checkbox"/> WHITE RAL-9003-\$ <input type="checkbox"/> GREY RAL-7004-\$ <input type="checkbox"/> DRK BRONZE RAL-8019-\$ <input type="checkbox"/> GREEN RAL-6005-\$ OPTION: <input type="checkbox"/> PRIME PAINT PP <input type="checkbox"/> GALVANIZED GLV <input type="checkbox"/> THERMOSET POLYESTER POWDER PDR CONSULT FACTORY FOR CUSTOM COLORS	<input type="checkbox"/> DUPLEX RECEPTACLE DUP <input type="checkbox"/> GFI RECEPTACLE GFI <input type="checkbox"/> 3 WAY ADAPTER T3120 <input type="checkbox"/> 4 WAY ADAPTER T490 <input type="checkbox"/> ROUND BASE COVER RBC <input type="checkbox"/> 1/2" COUPLING CPLN1/2 <input type="checkbox"/> 3/4" COUPLING CPLN3/4 <input type="checkbox"/> 2" COUPLING CPLN2 (SPECIFY COUPLING LOCATION) SEE ACCESSORIES SECTION FOR OTHER OPTIONS.
		POLE HEIGHT	WALL THICKNESS	BOLT CIRCLE	ANCHORAGE																																							
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WST LED

Architectural Wall Sconce



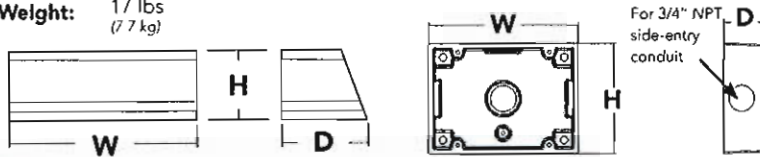
Inverted available with WLU option only.

Specifications Luminaire

Height: 7-1/4" (18.4 cm)
Width: 16-1/4" (41.3 cm)
Depth: 9-1/8" (23.2 cm)
Weight: 17 lbs (7.7 kg)

Optional Back Box (BBW)

Height: 4" (10.2 cm)
Width: 5-1/2" (14.0 cm)
Depth: 1-1/2" (3.8 cm)



Catalog Number

Notes

Type **TYPE K - 1 on Front Elevation 3 at Mechanical Yard**

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WST LED is ideal for replacing existing 50-175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DDBTXD

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options ¹	Finish (required)
WST LED	1 One engine (10 LEDs)	700 mA options: 10A700/30K 3000K	SR2 Type II	MVOLT ¹	Shipped Included (blank) Surface mount	Shipped installed PE Photoelectric cell, button type ^{6,5} SF Single fuse (120, 277, 347V) ⁴ DF Double fuse (208, 240, 480V) ⁴ DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ¹	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum
	2 Two engines (20 LEDs)	10A700/40K 4000K 10A700/50K 5000K	SR3 Type III SR4 Type IV	120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480	Shipped separately ² BBW Surface-mounted back box UTS Uprill 5 degrees	WLU Wet location door for up orientation ⁷ PIR Motion/ambient light sensor ⁸ DS Dual switching ⁹ Shipped separately YG Vandal guard WG Wire guard	DSSTXD Textured sandstone

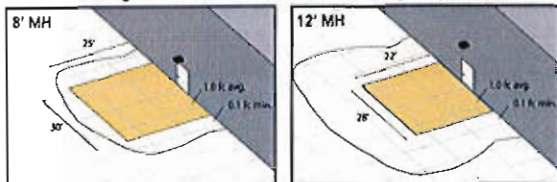
Emergency Battery Operation

The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 - 700.16.

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.



WST LED 1 10A700/40K SR4
MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE), fusing (SF, DF), or dual switching (DS).
- May also be ordered separately as an accessory. Ex: W5BBW DDBXD U. Must specify finish.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option. Not available with motion/ambient light sensor (PIR).
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU.
- WLU not available with PIR or ELCW.
- Specifies the SensorSwitch SFOD-7-ODP control (photocell included); see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with WLU, VG or WG.
- Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with one engine, MVOLT, ELCW, WLU, SF, or DF. Must specify voltage; voltage must be the same for both drivers. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Light Engines	Drive Current (mA)	Performance Package	System Watts (MVOLT ¹)	Dist. Type	40K (4000K, 70 CRI)				
					lumens	B	U	G	LPW
1 (10 LEDs)	700	10A700/-K	24W	SR2	2,005	1	0	1	84
				SR3	2,029	1	0	1	84
				SR4	1,959	1	0	1	82
2 (20 LEDs)	700	10A700/-K	47W	SR2	3,944	1	0	1	84
				SR3	4,028	1	0	1	86
				SR4	3,851	1	0	1	82

1 See electrical load chart for 347/480V system watts.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.10
10°C	50°F	1.06
20°C	68°F	1.02
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.92

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the WST LED 2 10A700 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LMF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.88	0.77

Electrical Load

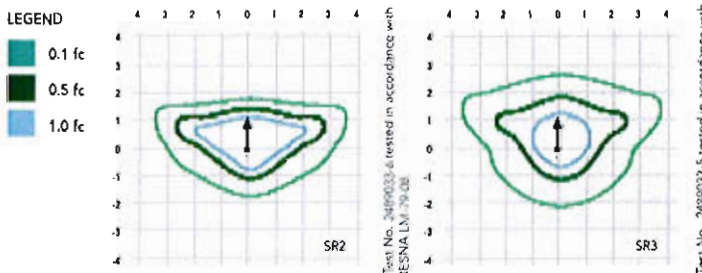
Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
1	700	24W	0.24	0.14	0.12	0.1	-	-
		29W ¹	-	-	-	-	0.09	0.07
2	700	47W	0.44	0.27	0.23	0.20	-	-
		53W ¹	-	-	-	-	0.17	0.12

1 Higher wattage is due to electrical losses from step-down transformer.

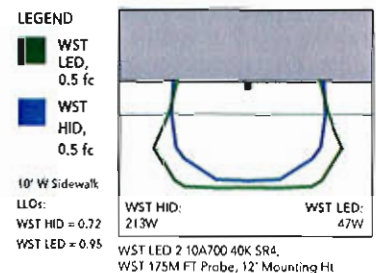
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WST LED homepage.

Isofootcandle plots for the WST LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC 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. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.lithonia.com/CustomerResources/terms_and_conditions.aspx.

Note: 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. Specifications subject to change without notice.



FEATURES

OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. Fluted vertical upper section works in conjunction with Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) to provide lamp before lamp image and smooth transition from top of reflector to bottom. Minimum flange matches reflector finish.
- Hinged lampdoor seals upper trim for optimal fixture efficiency and the reduction of stray light in the plenum.

MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame. Maximum 1-1/4" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below the ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors, rated for 90°C.
- Low-profile design allows for 4-3/8" fixture depth above ceiling.

ELECTRICAL SYSTEM

- Horizontally mounted, positive-latch, thermoplastic socket.
- Class P, thermally protected, high-power-factor electronic ballast mounted to the junction box.
- Simply5™ technology available.

LISTING

- Fixtures are UL Listed for thru-branch wiring, non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian standards.

WARRANTY

- One-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Type

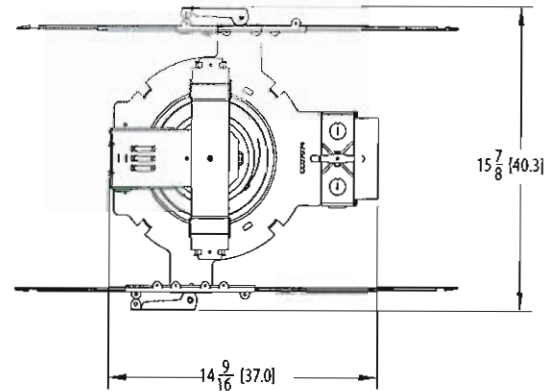
Catalog number

TYPE C - 8 at Canopy

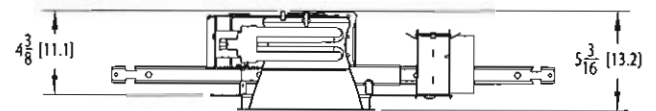
Compact Fluorescent Downlights

6" AFLP

Low Profile
Horizontal DTT or TRT lamp



Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number (shipped separately).

Example: **AFLP 1/26TRT 6AR MVOLT**

AFLP

Series	Wattage/Lamp	Aperture/Trim color	Finish	Voltage	Ballast ³	Options
AFLP	1/13DTT 1/18DTT 1/26DTT 1/13TRT 1/18TRT 1/26TRT 1/32TRT 1/42TRT	6AR Clear 6PR Pewter 6WTR Wheat 6WR ¹ White painted	(blank) Semi-specular LD Matte-diffuse	MVOLT² 120 277 347	(blank) Electronic ballast ECOS ^{2,4} EcoSystem [®] electronic dimming ballast. Minimum dimming level 5% ADEZ ^{4,5} Advance Mark 10 [®] electronic dimming ballast. Minimum dimming level 5% ADZT ^{4,5} Advance Mark 7 [®] electronic dimming ballast. Minimum dimming level 5% S5 ⁶ SIMPLY5™ system ballast. Minimum dimming level 15%	ELR ⁷ Emergency battery pack, remote test switch ELRH ⁷ High lumen output emergency battery pack, remote test switch provided GMF ⁵ Single, slow-blow fuse GLR ⁵ Single, fast-blow fuse TRW White painted flange TRBL Black painted flange DS Oual switching CP ³ Chicago plenum WLP With 3500 K lamp (shipped separately) HW Hardwire for S5 system; replaces Reloc NSD ⁹ Sensor Switch nLight™ dimming relay WRL ¹⁰ Wattage restriction label

NOTES

- 1 Not available with finishes.
- 2 Multi-volt electronic ballast capable of operating on any voltage from 120V through 277V, 50 or 60 Hz.
- 3 For additional ballast types, refer to TECH-250.
- 4 Not available with 13W.
- 5 Available in 120V or 277V only.
- 6 Simply5™ includes 9" S5 MLC Reloc wiring system (shipped separately). Available in 120V or 277V only. Not available in 13W or 18W. See simply5.net for more information.
- 7 For dimensional changes, refer to TECH-140.
- 8 Not available with emergency options.
- 9 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply (nPS80).
- 10 Must specify wattage. Ex.: WRL32

6" AFLP Low Profile

Distribution curve Distribution data Output data Coefficient of utilization Illuminance Data at 30" Above Floor for a Single Luminaire

AFLP 1/26TRT 6AR, (1) CF26TRT, 1800 lumens per lamp, 1.1 s/mh, Test No. LTL19056

Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 57.5"	10% beam - 93.4"
			50%	30%	10%	50%	30%	10%	50%	30%	10%		
			0°	1°	2°	3°	4°	5°	6°	7°	8°		
0 462	0° - 30° 352.2 19.6	0	50	50	50	49	49	49	47	47	47		
5 483 46	0° - 40° 546.0 30.3	1	46	45	44	45	44	43	43	42	41		
15 463 130	0° - 80° 738.8 41.0	2	42	40	38	41	39	38	40	38	37		
25 382 176	0° - 90° 756.9 42.1	3	38	35	33	37	35	33	36	34	33		
35 318 194	90° - 180° 0.0 0.0	4	35	32	30	34	32	30	33	31	29		
45 167 132	0° - 180° 756.9 *42.1	5	32	29	27	31	29	28	31	28	26		
55 66 61	*Efficiency	6	29	26	24	29	26	24	28	26	24		
65 17 18		7	27	24	22	27	24	22	26	23	22		
75 0 0		8	25	22	20	25	22	20	24	22	20		
85 0 0		9	23	20	18	23	20	18	22	20	18		
90 0		10	22	19	17	21	19	17	21	18	17		

Initial FC		50% beam - 57.5"		10% beam - 93.4"	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	15.3	6.0	7.6	11.7	1.5
10.0	8.2	8.2	4.1	15.9	0.8
12.0	5.1	10.4	2.6	20.2	0.5
14.0	3.5	12.6	1.7	24.4	0.4
16.0	2.5	14.8	1.3	28.7	0.3

AFLP 1/32TRT 6AR, (1) CF32TRT, 1800 lumens per lamp, 1.1 s/mh, Test No. LTL19057

Ave Lumens	Zone Lumens % Lamp	pf pc pw	80%			70%			50%			50% beam - 57.0"	10% beam - 92.8"
			50%	30%	10%	50%	30%	10%	50%	30%	10%		
			0°	1°	2°	3°	4°	5°	6°	7°	8°		
0 568	0° - 30° 429.0 23.8	0	60	60	60	58	58	58	56	56	56		
5 573 55	0° - 40° 857.9 36.5	1	55	53	52	54	52	51	52	51	50		
15 568 159	0° - 80° 883.3 49.1	2	50	47	45	49	47	45	47	46	44		
25 470 215	0° - 90° 904.4 50.2	3	48	42	40	45	42	40	43	41	39		
35 375 229	90° - 180° 0.0 0.0	4	42	38	36	41	38	36	40	37	35		
45 196 154	0° - 180° 904.4 *50.2	5	38	35	32	38	34	32	37	34	31		
55 77 71	*Efficiency	6	35	31	29	35	31	29	34	31	28		
65 19 21		7	32	29	26	32	29	26	31	28	26		
75 1 1		8	30	26	24	30	26	24	29	26	24		
85 0 0		9	28	24	22	28	24	22	27	24	22		
90 0		10	26	22	20	26	22	20	25	22	20		

Initial FC		50% beam - 57.0"		10% beam - 92.8"	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
6.0	16.6	6.0	9.4	11.5	1.9
10.0	10.1	6.1	5.0	15.7	1.0
12.0	6.3	10.3	3.1	19.9	0.6
14.0	4.3	12.5	2.1	24.1	0.4
16.0	3.1	14.7	1.6	28.3	0.3

AFLP 1/42TRT 6AR, (1) CF42TRT, 3200 lumens per lamp, 1.2 s/mh, Test No. LTL19058

Ave Lumens	Zone Lumens % Lamp	pf pc pw	60%			70%			50%			50% beam - 60.1"	10% beam - 93.9"
			50%	30%	10%	50%	30%	10%	50%	30%	10%		
			0°	1°	2°	3°	4°	5°	6°	7°	8°		
0 956	0° - 30° 765.8 23.9	0	61	61	61	59	59	59	57	57	57		
5 972 94	0° - 40° 1179.5 38.9	1	55	54	53	54	53	52	52	51	50		
15 1001 281	0° - 60° 1582.1 49.6	2	51	48	46	50	47	45	48	46	44		
25 854 391	0° - 90° 1828.4 50.9	3	46	43	41	45	42	40	44	41	40		
35 674 414	90° - 180° 0.0 0.0	4	42	39	36	41	38	36	40	38	35		
45 358 282	0° - 180° 1628.4 *50.9	5	39	35	32	38	35	32	37	34	32		
55 142 130	*Efficiency	6	35	32	29	35	31	29	34	31	29		
65 32 35		7	33	29	26	32	29	26	32	28	26		
75 1 1		8	30	27	24	30	26	24	29	26	24		
85 0 0		9	28	24	22	28	24	22	27	24	22		
90 0		10	26	23	20	26	23	20	25	22	20		

Initial FC		50% beam - 60.1"		10% beam - 93.9"	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	31.6	6.4	15.8	11.8	3.2
10.0	17.0	8.7	8.5	18.1	1.7
12.0	10.6	11.0	5.3	20.4	1.1
14.0	7.2	13.3	3.6	24.6	0.7
16.0	5.2	15.6	2.6	28.9	0.5

NOTES:

- 1 For electrical characteristics, refer to Technical Bulletin tab.
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.
- 3 Consult factory or IES file for microgroove baffle, black cone and other photometric reports.
- 4 Actual performance may differ as a result of end-user environment and application.

DCF-115

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An Acuity Brands Company

GOTHAM ARCHITECTURAL DOWNLIGHTING
1400 Lester Road Conyers Georgia 30012
P 800 315 4982 F 770 860 3129
www.gothamlighting.com



Type..... **TYPE XF02 - 8 at RAT Towers** Date.....
 Model #..... Prepared by.....
 Project.....
 Comments.....

Urban Act™ Mini

Specification Features for 20, 39, and 70 Watt Ceramic Metal Halide lamps

General: Two-piece die-cast aluminum housing consisting of a reflector compartment with integral cooling fins connected with stainless steel screws to a separate cylindrical ballast housing of similar design. Mounting yoke is connected to finned ballast housing with hand tightened, tool-less adjustment mechanism. For re-lamping and focusing, lamp compartment is accessed via a tool-less latch.

Optics: All reflectors are precisely spun aluminum, fully specular, anodized aluminum with a smooth, faceted or dimpled surface. Three stainless steel screws are provided for precise leveling and focusing the Ceramic Metal Halide lamp arc tube within the reflector.

Lamp Enclosure: One-piece die-cast aluminum with integral drainage slots and a one-piece molded U-channel, high temperature silicone rubber gasket. Enclosure door contains convex tempered clear glass lens, 1/4" thick with snap lock tool-less release.

Electrical: Ballast is electronic, HPF with self configuration to supply voltage. Lamp holder is G12 base, porcelain with nickel plated contacts. All wiring is rated for 90° C.

Mounting Yoke: 3/16" stainless steel allows for 360° rotation around the center axis and full vertical adjustment with the finned, die-cast discs ideally sized for hand tightening. The yoke is pre-drilled for mounting to various EYE mounting accessories.

Finish: Electro statically applied, polyester powder coated. Available in two standard colors: White (WH) and Dark Gray (DG) with optional colors available. Add appropriate suffix to catalog number as shown.

ETL Listed, suitable for wet locations and any mounting orientation.

Specification Language: Luminaire shall be ETL Listed wet location with an IP65 rating that incorporates an integral electronic ballast in a separate ballast compartment for Ceramic Metal Halide lamps. Luminaire shall be able to operate a 20, 39, or 70 Watt G12, CMH lamp. The optic shall be a spun, fully specular, anodized aluminum reflector with minimum reflectance of 90%. Housing and door frame shall be a low copper die-cast aluminum, polyester powder coated, with water tight strain relief and a SEOW external cord.

Model Number: UAM - XXX - XX - XXX - XX - XX or equal.

Protection Class: IP65

* Standard cord length is 3 ft, factory options available for other lengths.



EYE Interior or Exterior Floodlighting Luminaires

Accessories (Field Installed)

- BT – Truss System
- MF – Mini Flange
- O2, O3, I2 – Outdoor or Indoor Arm
- SHM – Shield
- TF – Tall Flange
- VIM – Visor
- UAM-ACH – Accessory Holder
- UAM-BD – Barn Doors
- UAM-BS – Beam Softener
- UAM-CL-XXXXX – Dichroic Colored Glass
- UAM-GLSH – Glare Shield
- UAM-LSL – Linear Spread Lens
- UAM-SN – Snoot

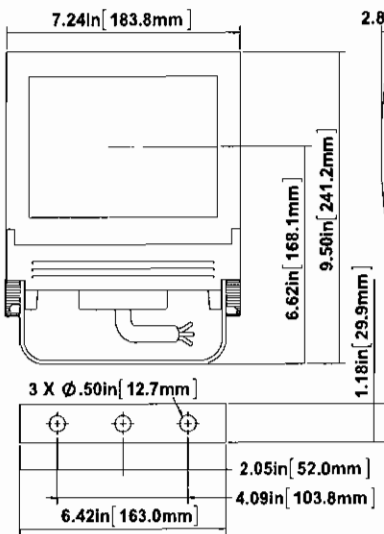
Urban Act Mini Ordering Information: Options and Lamps

FAMILY	WATTAGE	BEAM PATTERN	BALLAST VOLTAGE	FINISH	LAMP	OPTIONS (Factory Install)
UAM	20 (20 WATT) 39 (39 WATT) 70 (70 WATT)	Ni (Narrow) MW (Medium Wide) W (Wide)	120V (Only) UNV (120-277V)	STANDARD DG (Dark Gray) WH (White) OPTIONS Black (RAL9005) Charcoal (RAL7043) Dark Bronze (RAL8019) Gray (RAL7000)	20W 1A CMH20T/U/830/G12 39W 2A CMT35/U/830/G12 2B CMT35/U/NR936/G12 70W 4A CMT70/U/928/G12 4B CMT70/U/930/G12 4C CMT70/U/935/G12 4D CMT70/U/NR/936/G12 4E CMT70/U/942/G12	CD-5BK = 5 foot cord CD-7BK = 7 foot cord CD-9BK = 9 foot cord AML = Aim Lock TPR = Tamper Proof TTA = Tall Trunnion Adapter PMB/TTA = Post Top *Tenon with Tall Trunnion

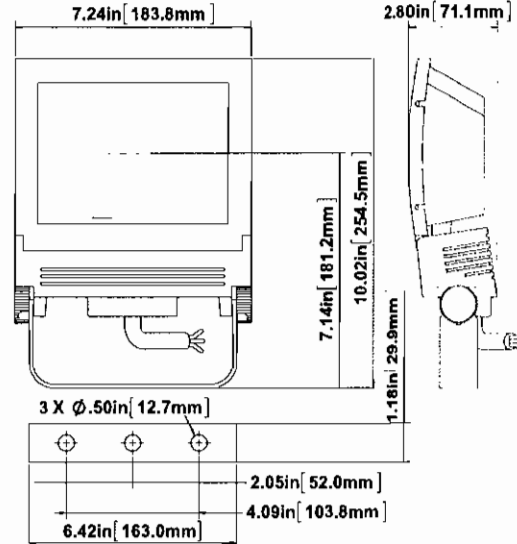


Urban Act™ Mini EYE Interior or Exterior Floodlighting Luminaires Specification Features for 20, 39, and 70 Watt CMH lamps

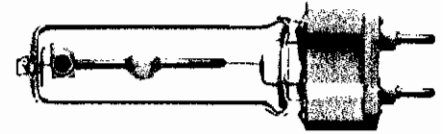
STANDARD TRUNNION



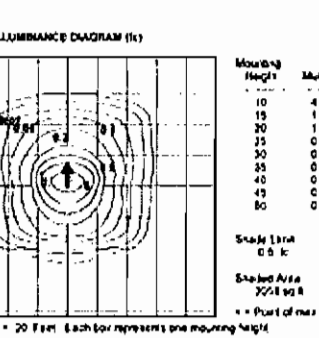
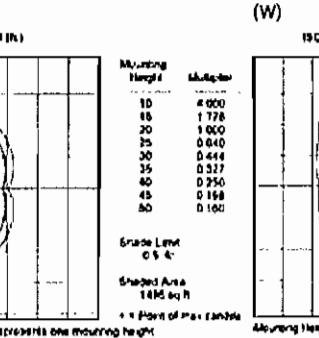
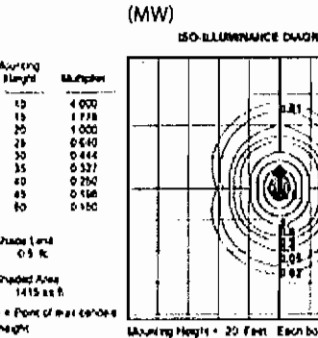
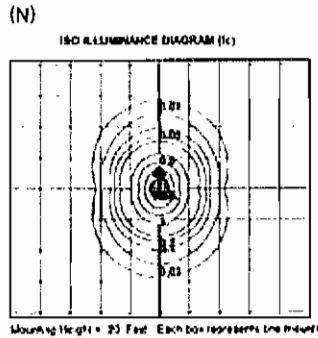
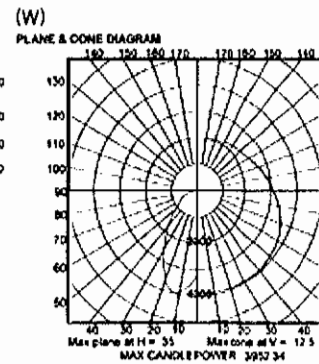
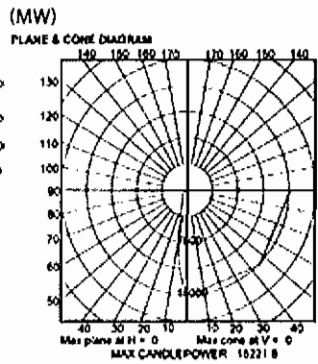
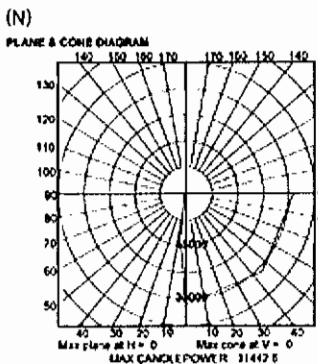
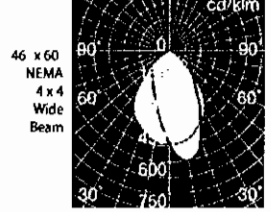
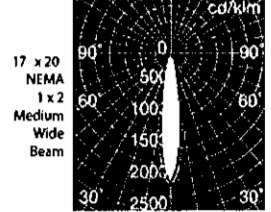
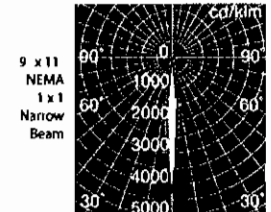
TALL TRUNNION



EYE CERA ARC®
High efficacy, high color rendering, long life Ceramic Metal Halide lamp



PHOTOMETRICS
using a 70W
CERA ARC®/ 3000 K CCT / 90 CRI Lamp



EYE Lighting International of North America, Inc.
a division of Iwasaki Electric of Japan

9150 Hendricks Road
Mentor, Ohio 44060
Tel: (888) 665-2677
Fax: (440) 350-7001

www.eyelighting.com



TYPE XF03 - 6 at RAT Towers

Type..... Date

Model #..... Prepared by

Project

Comments.....

Urban Act™ Square

Specification Features for 70, 100, and 150 Watt Ceramic Metal Halide lamps

General: Two-piece die-cast aluminum housing consisting of a reflector compartment with integral cooling fins connected with stainless steel screws to a separate cylindrical ballast housing of similar design. Mounting yoke is connected to finned ballast housing with hand tightened, tool-less adjustment mechanism. For re-lamping and focusing, lamp compartment is accessed via a tool-less latch.

Optics: All reflectors are precisely spun aluminum, fully specular, anodized aluminum with a faceted or dimpled surface. Three stainless steel screws are provided for precise leveling and focusing the Ceramic Metal Halide lamp arc tube within the reflector.

Lamp Enclosure: One-piece die-cast aluminum with integral drainage slots and a one-piece molded U-channel, high temperature silicone rubber gasket. Enclosure door contains convex tempered clear glass lens, 1/4" thick with snap lock tool-less release.

Electrical: Ballast is electronic, HPF with self configuration to supply voltage. Lamp holder is medium base, porcelain with nickel plated contacts. All wiring is rated for 90°C.

Mounting Yoke: 3/16" stainless steel, allows for 360° rotation around the center axis and full vertical adjustment with the finned, die-cast discs ideally sized for hand tightening. The yoke is pre-drilled for mounting to various EYE mounting accessories.

Finish: Electro statically applied, polyester powder coated. Available in two standard colors: White (WH) and Dark Gray (DG) with optional colors available. Add appropriate suffix to catalog number as shown.

ETL Listed, suitable for wet locations and any mounting orientation.

Specification Language: Luminaire shall be ETL Listed wet location with an IP65 rating that incorporates an integral electronic ballast in a separate ballast compartment for Ceramic Metal Halide lamps. Luminaire shall be able to operate a 70, 100, or 150 Watt medium base, CMH lamp. The optic shall be a spun, fully specular, anodized aluminum reflector with minimum reflectance of 90%. Housing and door frame shall be a low copper die-cast aluminum, polyester powder coated, with water tight strain relief and a SEOWW external cord.

Model Number: UAS - XXX - XX - XXX - XX - XX or equal.

Protection Class: IP65

* Standard cord length is 3 ft, factory options available for other lengths.



EYE Interior or Exterior Floodlighting Luminaires

Accessories (Field Installed)

- BT - Truss System
- F - Flange
- O2, O3, I2 - Outdoor or Indoor Arm
- SHS - Shield
- TF - Tall Flange
- VIS - Visor
- UAS-ACH - Accessory Holder
- UAS-BD - Barn Doors
- UAS-BS - Beam Softener
- UAS-CL-XXXXX - Dichroic Colored Glass
- UAS-GLSH - Glare Shield
- UAS-LSL - Linear Spread Lens
- UAS-SN - Snoot

BLUE LENS

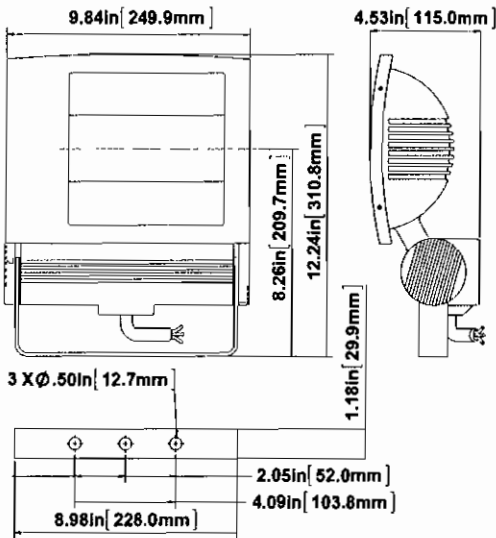
Urban Act Square Ordering Information: Options and Lamps

FAMILY	WATTAGE	BEAM PATTERN	BALLAST VOLTAGE	FINISH	LAMP	OPTIONS (Factory Install)
UAS	70 (70 WATT) 100 (100 WATT) 150 (150 WATT)	MW (Medium Wide) WV (Wide)	120V (Only) UNV (120-277V)	STANDARD DG (Dark Gray) WH (White) OPTIONS Black (RAL9005) Charcoal (RAL7043) Dark Bronze (RAL8019) Gray (RAL7000)	70W 4J CMTPF70/U/932/MED 4L CMTPF70/U/NR936/MED 4N CMTPF70/U/943/MED 100W 5C CMTPF100/U/935/MED 5D CMTPF100/U/942/MED 150W 6B CMTPF150/U/928/MED 6D CMTPF150/U/NR936/MED 6F CMTPF150/U/943/MED 6H CMTPF150/U/955/MED	CD-5BK = 5 foot cord CD-7BK = 7 foot cord CD-9BK = 9 foot cord AML = Aim Lock TPR = Tamper Proof TTA = Tall Trunnion Adapter PIMB/TTA = Post Top Tenon with Tall Trunnion

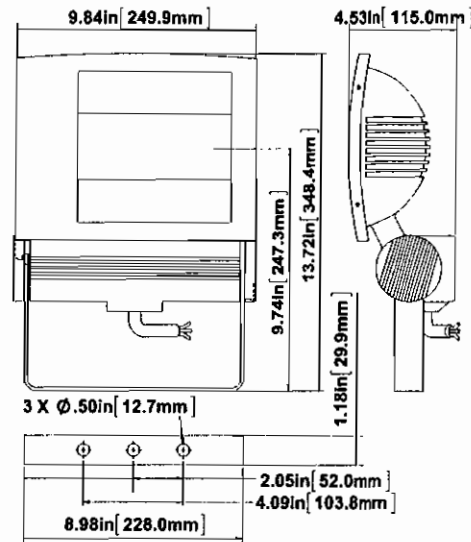
Urban Act™ Square

EYE Interior or Exterior Floodlighting Luminaires
Specification Features for 70, 100, and 150 Watt CMH lamps

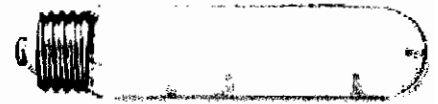
STANDARD TRUNNION



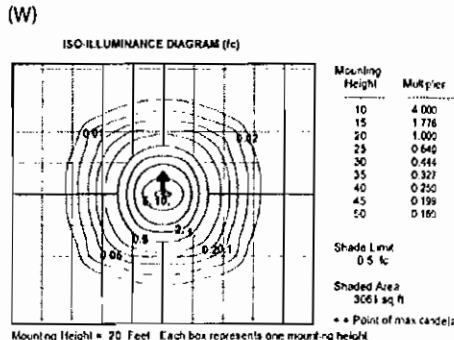
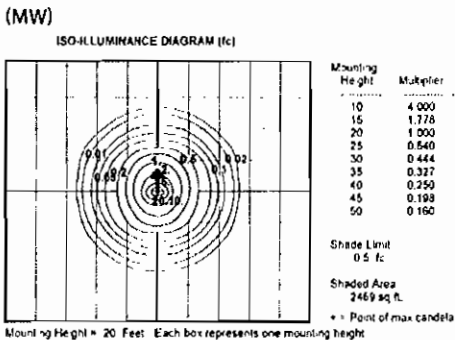
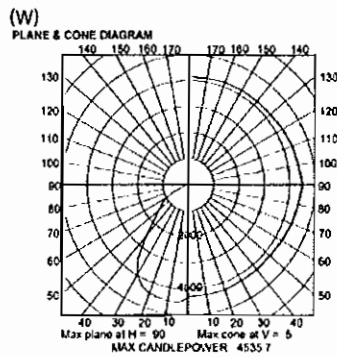
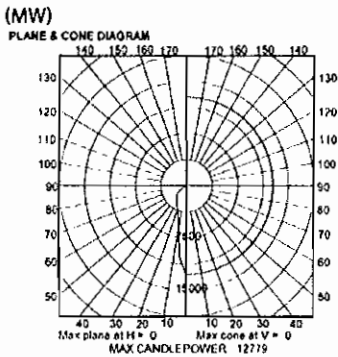
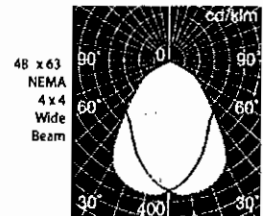
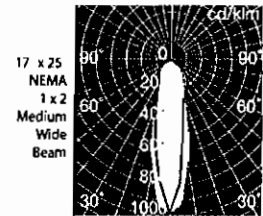
TALL TRUNNION



EYE CERA ARC™
High efficacy, high color rendering,
long life Ceramic Metal Halide lamp



PHOTOMETRICS
using a 150W
CERA ARC™/2800 K CCT / 95 CRI Lamp



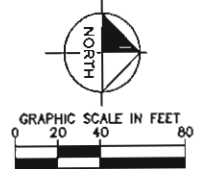
EYE Lighting International of North America, Inc.
a division of Iwasaki Electric of Japan

9150 Hendricks Road
Mentor, Ohio 44060

Tel: (888) 665-2677
Fax: (440) 350-7001

www.eyelighting.com

Drawing name: I:\CHS\WORK\8885043_Ply_Chesterfield_MO\2 Design\Layout\01 COLORED SITE PLAN CH0817.dwg Layout: 03/30/2016 8:58am by: TheresaMcCherry
 This document, together with all concepts and notes presented herein, is intended only for the specific purpose and client for which it was prepared. Plans or specifications shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND	
GREEN SPACE	
PAVEMENT/CURB/SIDEWALK	
BUILDING	

COLORED SITE PLAN EXHIBIT							
iFLY - CHESTERFIELD							
<small>ISSUED FOR PERMIT SUBMITTAL CONSTRUCTION PERMIT ONLY</small>							
ORIGINAL ISSUE: 03/30/2016 KHA PROJECT NO: 160695043 SHEET NUMBER: EX1							
<small>© 2016 KIMLEY-HORN AND ASSOCIATES, INC. U.S.A. 11803 SULLY ROAD, SUITE 300, WASHINGTON, DC 20046 PHONE: (301) 497-5500 WWW.KIMLEY-HORN.COM</small>							

SITE DEVELOPMENT SECTION PLAN

IFLY - CHESTERFIELD

595 CHESTERFIELD CENTER CHESTERFIELD, MO 63017-4897

OWNER
CHESTERFIELD MALL, LLC
291 CHESTERFIELD MALL
CHESTERFIELD, MO 63017
TEL: (636) 532-4004 EXT. 228
CONTACT: KELLY ADKINS

DEVELOPER
SKYGROUP INVESTMENTS, LLC
6034 WEST COURTYARD DRIVE, SUITE 135
AUSTIN, TX 78730
TEL: (512) 374-9200
CONTACT: ALAN METNI

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
1001 WARRENVILLE RO, SUITE 350
LISLE, IL 60532
TEL: (630) 487-5557
EMAIL: NATE.GROFF@KIMLEY-HORN.COM
CONTACT: NATE GROFF

SURVEYOR
WOOLPERT, INC.
3636 SOUTH GEYER ROAD, SUITE 100
ST. LOUIS, MO 63127
TEL: (314) 436-0865
CONTACT: KELLY HARRIS

GEOLOGICAL ENGINEER'S STATEMENT

MIDWEST TESTING AND THE UNDERSIGNED ENGINEER HAVE NOT PREPARED THE PLAN ON THIS SHEET. THE SEAL OF THE UNDERSIGNED PROFESSIONAL ENGINEER HAS BEEN AFFIXED AT THE REQUEST OF THE CITY OF CHESTERFIELD, MISSOURI, AND IS A PROFESSIONAL OPINION TO INDICATE THAT THE UNDERSIGNED HAS REVIEWED THE PLANS AND THAT IN HIS OPINION THE GRADING AND IMPROVEMENTS RELATIVE TO SLOPE CONSTRUCTION AS SHOWN ON THE PLANS, AS WELL AS THE FOUNDATIONS, ARE COMPATIBLE WITH THE SOIL AND GEOLOGIC CONDITIONS AT THE SITE, AS DESCRIBED IN THE GEOLOGICAL REPORT PREPARED FOR THE PROPOSED DEVELOPMENT, TITLED GEOLOGICAL EXPLORATION - AT JOB NO. 13790 - JULY - CHESTERFIELD, MISSOURI AND DATED AUGUST 7, 2015.

MIDWEST TESTING AND THE UNDERSIGNED ASSUME NO RESPONSIBILITY FOR SERVICES BY OTHERS, PURSUANT TO RSMO 327.411.

CONSTRUCTION MEANS AND METHODS FOR IMPLEMENTATION OF THE GRADING PLAN SHALL BE LEFT TO THE DEVELOPER/CONTRACTOR. OBSERVATIONS OF THE DEVELOPER/CONTRACTOR'S COMPLIANCE WITH THE APPLICABLE SPECIFICATIONS SHALL BE IDENTIFIED AND VERIFIED IN WRITING.

MIDWEST TESTING

KEVIN P. DAVI, P.E.
MISSOURI PE-2012000742



PLANNING AND DEVELOPMENT SERVICES DIVISION

SCRIPT FOR A SITE DEVELOPMENT PLAN

PARCEL 1: DEVELOPER PARCEL C, LOT C1016 OF CHESTERFIELD VILLAGE AREA "A" PHASE ONE PLAT ONE, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 158, PAGE 98 AND 97 OF THE ST. LOUIS COUNTY RECORDS

TOTAL ACERAGE: 4.091 AC

_____, the owner(s) of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 03. _____ of City of Chesterfield Unified Development

Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

(Signature)

(Name Typed)

State of _____)
County of _____) SS.

On this _____ day of _____, A.D., 20____, before me personally appeared _____

_____, to me known, who, being by me sworn in, did say that he/she is the _____ of _____

_____, and that the _____ of _____ is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said _____

acknowledged said instrument to be the free act and deed of said corporation.

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

Aimee Kasper, AICP
Planning and Development Services Director
City of Chesterfield, Missouri

Vicki Hest, City Clerk
City of Chesterfield, Missouri

GENERAL NOTES

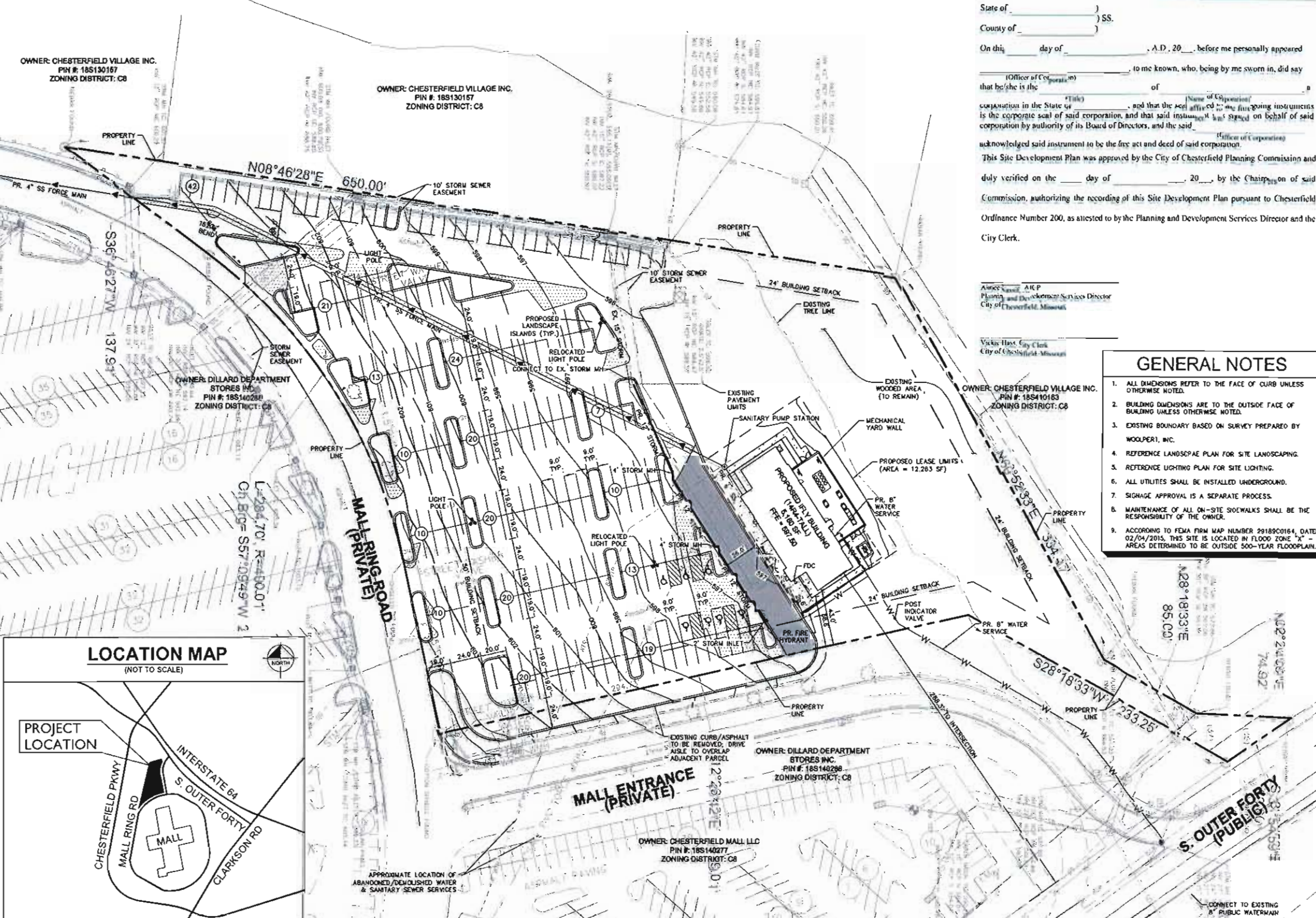
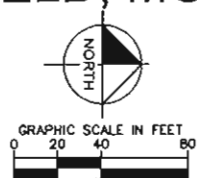
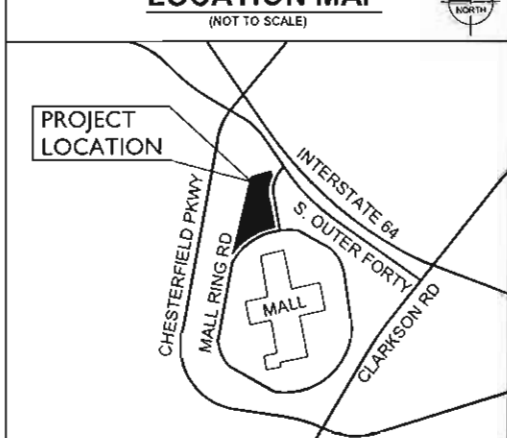
1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. EXISTING BOUNDARY BASED ON SURVEY PREPARED BY WOOLPERT, INC.
4. REFERENCE LANDSCAPE PLAN FOR SITE LANDSCAPING.
5. REFERENCE LIGHTING PLAN FOR SITE LIGHTING.
6. ALL UTILITIES SHALL BE INSTALLED UNDERGROUND.
7. SIGNAGE APPROVAL IS A SEPARATE PROCESS.
8. MAINTENANCE OF ALL ON-SITE SIDEWALKS SHALL BE THE RESPONSIBILITY OF THE OWNER.
9. ACCORDING TO FEMA FIRM MAP NUMBER 29189C0164, DATED 02/04/2015, THIS SITE IS LOCATED IN FLOOD ZONE "X" - AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

LEGEND	
EXISTING	PROPOSED
	CONCRETE SIDEWALK
	HEAVY DUTY ASPHALT PAVEMENT
	LIGHT DUTY ASPHALT PAVEMENT
	MILL & RESURFACE PAVEMENT IN LOT C1016
	CONCRETE CURB AND GUTTER
	PROPERTY LINE
	CONTOUR
	WATER LINE
	SANITARY SEWER LINE
	STORM SEWER
	LIGHT POLE
	TRANSFORMER

SITE SUMMARY TABLE

COUNTY:	ST. LOUIS
PROJECT NAME:	IFLY - CHESTERFIELD
LOT NUMBER:	C1016
ZONING DISTRICT:	C8 - PLANNED COMMERCIAL DISTRICT-ORDINANCE NO. 10241
PROPOSED USE:	RECREATION FACILITY
FIRE DISTRICT:	MONARCH
SCHOOL DISTRICT:	PARKWAY
WATER COMPANY:	MISSOURI AMERICAN WATER
FLOOD ZONE:	X (PER FEMA MAP NO. 29189C0130)
SITE AREA:	4.09 AC (178,223 SF)
BUILDING AREA:	5,180 SF
BUILDING HEIGHT:	67'-0.0"
LOT COVERAGE:	5,180/178,223 = 2.91%
FLOOR AREA RATIO:	5,180/178,223 = 1:2.91
PARKING REQUIRED:	28 SPACES (5.5 SPACES / 1,000 GFA)
PARKING PROVIDED:	
REGULAR:	252 SPACES
HANDICAP:	7 SPACES
TOTAL:	259 SPACES
IMPERVIOUS AREA:	2.46 AC (107,156 SF)
PERVIOUS AREA:	1.63 AC (71,065 SF)
OPEN SPACE:	39.7%

LOCATION MAP



NO.	REVISIONS	DATE

Kimley-Horn
0 2016 KIMLEY-HORN AND ASSOCIATES, INC.
1001 WARRENVILLE ROAD, SUITE 350
LISLE, ILLINOIS 60532
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM



SITE PLAN

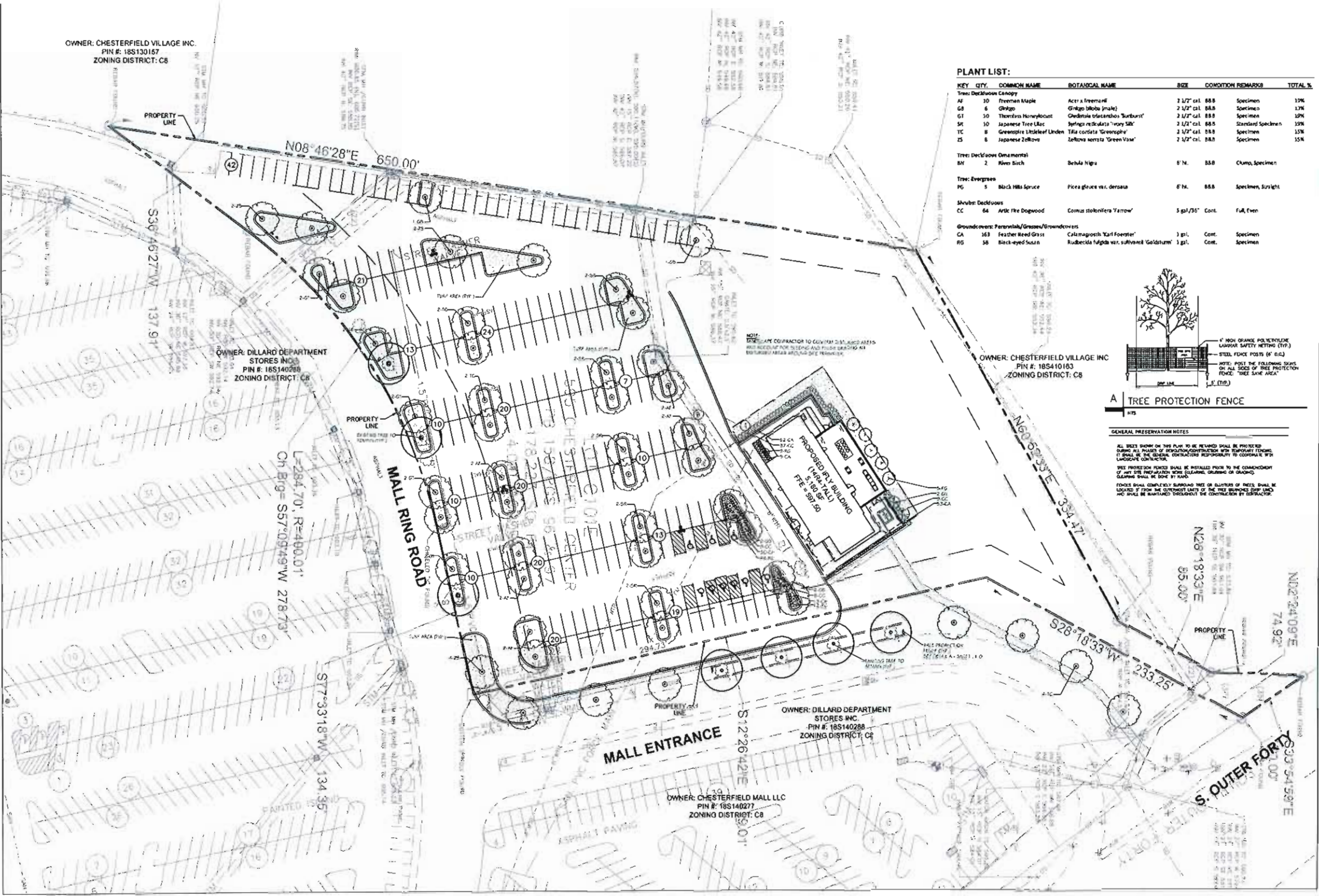
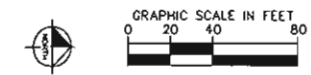
IFLY - CHESTERFIELD
595 CHESTERFIELD CENTER
CHESTERFIELD, MO 63017-4897

ORIGINAL ISSUE:
03/23/2016
KHA PROJECT NO.
160695043
SHEET NUMBER

SP1

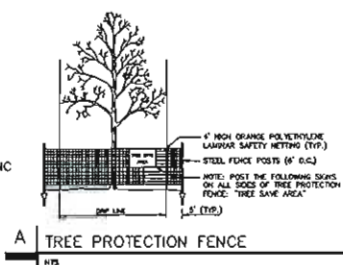
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 Plot on: 03/23/2016 3:13pm by: Thomas McGroff
 This document, together with the contracts and designs presented herein, is intended only for the specific purpose and shall for which it was prepared. Release of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. will be without liability to Kimley-Horn and Associates, Inc.

OWNER: CHESTERFIELD VILLAGE INC.
PIN #: 185130157
ZONING DISTRICT: C8



PLANT LIST:

KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	CONDITION	REMARKS	TOTAL %
Trees: Deciduous Canopy							
AF	30	Freeman Maple	Acer x freemanii	2 1/2" cal. 88B	Specimen		19%
GB	6	Griggs	Griggs (Shrub Plant)	2 1/2" cal. 88B	Specimen		1%
GT	30	Theodore Honeysuckle	Chaenactis canadensis 'Barbours'	2 1/2" cal. 88B	Specimen		19%
JS	30	Japanese Tree Lilac	Syringa reticulata 'Vary 582'	2 1/2" cal. 88B	Standard Specimen		19%
TC	8	Greeneye Littleleaf Linden	Tilia cordata 'Greeneye'	2 1/2" cal. 88B	Specimen		15%
ZS	8	Japanese Zelkova	Zelkova serrata 'Green Vista'	2 1/2" cal. 88B	Specimen		15%
Trees: Deciduous Ornamental							
BN	2	River Birch	Betula nigra	8" N.	88B	Clump, Specimen	
Trees: Evergreen							
FG	5	Black Hills Spruce	Picea glauca var. densata	8" N.	88B	Specimen, Sunlight	
Shrub: Deciduous							
CC	64	Arktik Dogwood	Cornus stolonifera 'Farrow'	3 gal./75'	Cont.	Ful, Even	
Groundcover: Ferns/Grasses/Groundcovers							
CA	383	Feather Reed Grass	Calamagrostis 'Earl Fooster'	3 gal.	Cont.	Specimen	
RG	36	Black-eyed Susan	Rudbeckia fulgida var. subinermis 'Goldstrum'	1 gal.	Cont.	Specimen	



GENERAL PRESERVATION NOTES:

ALL TREES SHOWN ON THIS PLAN TO BE REMOVED SHALL BE PROTECTED DURING ALL PHASES OF SITEWORK/CONSTRUCTION WITH TEMPORARY FENCING. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH LANDSCAPE CONTRACTOR.

TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (EXCAVATION, GRADING, OR GRADING). CLEARING SHALL BE DONE BY HAND.

FENCING SHALL COMPLETELY SURROUND TREES OR GROUPS OF TREES. SHALL BE LOCATED 3' FROM THE OUTERMOST LIMB OF THE TREE BRANCHES (SEE NOTE) AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION BY CONTRACTOR.

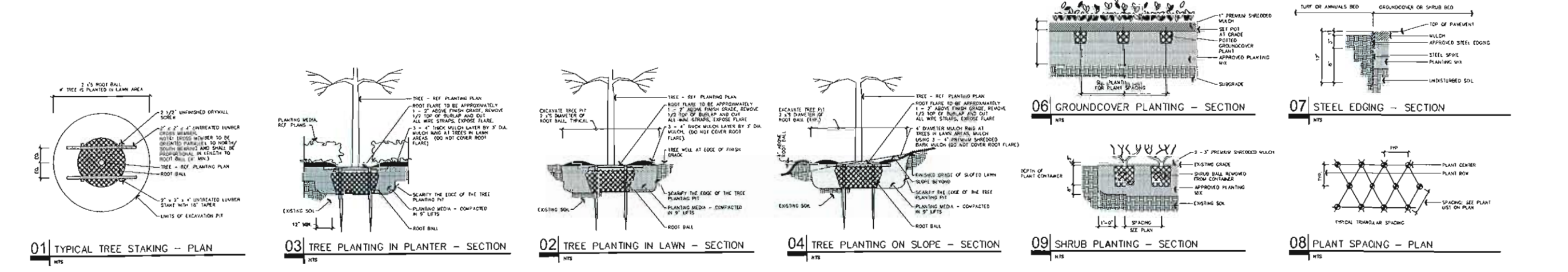
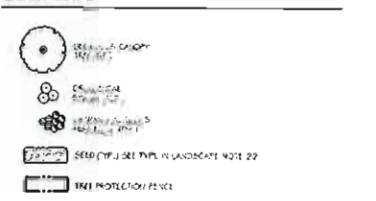
GENERAL LANDSCAPE NOTES:

- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AND SHALL MAINTAIN THE LANDSCAPING FOR 90 DAYS PAST THE FINAL INSPECTION.
- CONTRACTOR SHALL CONTACT UTILITY LOCATE TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANT OR LANDSCAPE MATERIAL.
- LANDSCAPE CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT PRIOR TO ORDERING PLANT MATERIAL.
- FINAL LOCATION OF ALL PLANTING SHALL BE DETERMINED IN THE FIELD BY THE OWNER'S REPRESENTATIVE.
- NO PLANT MATERIAL WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ANY MODIFICATIONS TO PLANTING LAYOUT, PLANT MATERIALS, ETC. SHALL BE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER PRIOR TO EXECUTION.
- SIZE AND GRADING STANDARDS OF PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF ANSI Z60.1, AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
- ALL PLANT MATERIALS SHALL BE SOUTHERN ILLINOIS OR MISSOURI NURSERY GROWN STOCK AND SHALL BE FREE OF ANY DISEASES, INSECTS OR INSECT DAMAGE. ANY MATERIALS WITH DAMAGED OR DISTURBED/ROOTED LEADERS, BARK ABRASION, SUNSCALD, INSECT DAMAGE, ETC. ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- TREES NOT EXHIBITING A CENTRAL LEADER WILL BE REJECTED UNLESS CALLED OUT IN THE PLANT LIST AS MULTI-STEM.
- CONTRACTOR SHALL PROVIDE A TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS UPON WRITTEN ACCEPTANCE OF THE INITIAL PLANTING BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. REPLACEMENT PLANT MATERIALS SHALL ALSO HAVE A TWO YEAR GUARANTEE WHICH COMMENCES UPON INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY MAINTENANCE (INCLUDING WATERING) OF PLANT MATERIALS FOR 90 DAYS FROM THE DATE OF ACCEPTANCE BY OWNER. PLANT MATERIAL SHALL BE WATERED BY CONTRACTOR UNTIL IRRIGATION SYSTEM IS OPERATIONAL.
- A MINIMUM OF 16" OF LOAM PLANTING SOIL SHALL BE USED WHEN PLANTING ALL TREES (SIZES OF HOLES).
- PLANTS SHALL BE INSTALLED IMMEDIATELY UPON ARRIVAL TO SITE.
- ALL BEDS ADJACENT TO BUILDING PAD SHALL BE MULCHED WITH PREMIUM SHEDDED HARDWOOD BARK MULCH TO A DEPTH OF 4". ALL OTHER BEDS SHALL BE MULCHED AS FOLLOWS:
 - ALL TREES AND SHRUB BEDS SHALL BE MULCHED USING 3-4" OF PREMIUM SHEDDED HARDWOOD BARK MULCH (MULCH SHALL BE PLACED SO THAT IT DOES NOT TOUCH THE TRUNK OF THE PLANT).
 - ALL PERENNIAL AND GROUNDCOVER BEDS NOT ADJACENT TO BUILDING PAD SHALL BE MULCHED USING 2-3" OF PREMIUM SHEDDED HARDWOOD BARK MULCH.
- TREES SHALL BE PLANTED SO THAT THE ROOT CROWN/FLARE IS SET 1-2" ABOVE FINISHED GRADE. DO NOT USE THE EXISTING TOP OF THE ROOT BALL AS AN INDICATION OF THE LOCATION OF THE ROOT BALL.
- CONTRACTOR SHALL REPAIR ALL DAMAGE TO PROPERTY WHICH RESULTS FROM THE PLANTING AND LANDSCAPE INSTALLATION AT NO COST TO THE OWNER.
- APPLY A PRE-EMERGENT HERBICIDE TO ALL PLANTING AREAS THAT WILL EFFECTIVELY CONTROL BROADLEAF AND GRASSY WEEDS, IMMEDIATELY AFTER PLANTING AND PRIOR TO INSTALLATION OF MULCH.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.
- CONTRACTOR TO PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
- ALL PLANTING BEDS AND LAWN AREAS TO BE SEPARATED BY STEEL EDGING. NO STEEL TO BE INSTALLED ADJACENT TO SIDEWALKS OR CURBS.
- ALL LANDSCAPE AREAS TO BE 100% FERTILIZED WITH AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM AND SHALL INCLUDE RAIN AND FREEZE SENSORS.
- ALL AREAS DESIGNATED FOR LOW MAINTENANCE SEED SHALL BE SEEDED (APPLY SEED MIX AT 3 LBS. PER 1,000 SF) USING BUFFALO GRASS SEED MIX AS FOLLOWS:
 - COOLY BUFFALO GRASS 60%
 - BONNIE BUFFALO GRASS 40%

LANDSCAPE REQUIREMENTS:

- MINIMUM LANDSCAPING:**
- STREET TREE PLANTING: 1 TREE PER SIDE OF DRIVEWAY
 - PERMANENT LANDSCAPING: 1 TREE PER SIDE OF DRIVEWAY OR 2 DECIDUOUS TREES PER SIDE OF DRIVEWAY
 - PROPOSED PLANTING: 1 TREE PER SIDE OF DRIVEWAY OR 2 DECIDUOUS TREES PER SIDE OF DRIVEWAY

LANDSCAPE LEGEND:



Kimley-Horn & Associates, Inc.
6001 W. WARRICKVILLE ROAD, SUITE 300, WARRICKVILLE, OHIO 45388
TEL: 614.883.4460 FAX: 614.883.4460 WWW.KIMLEY-HORN.COM

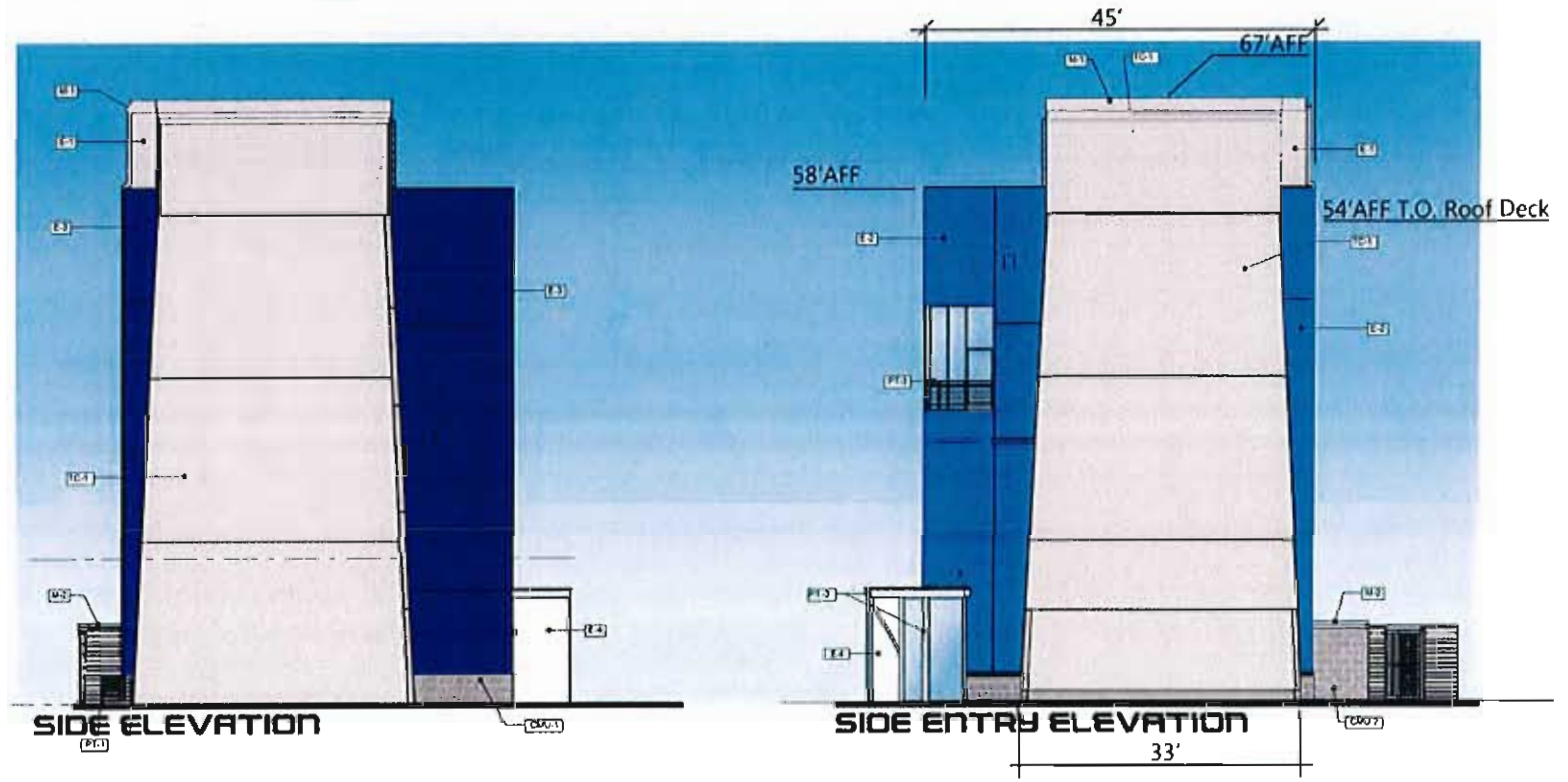
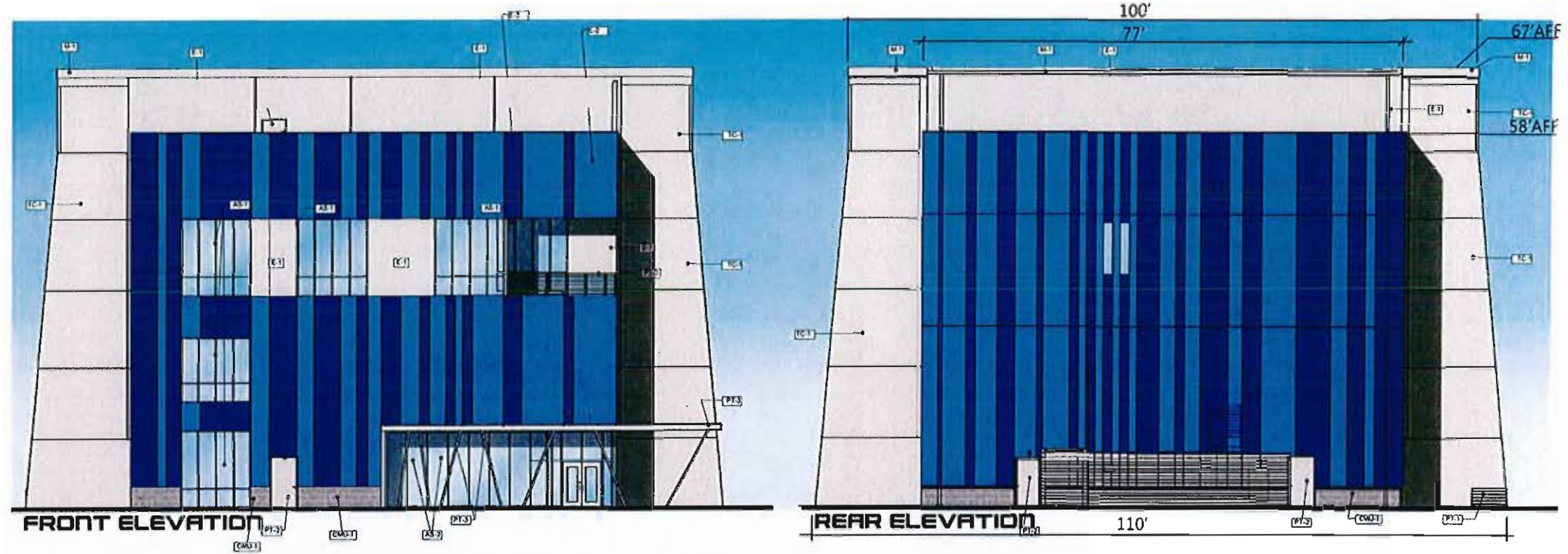
LANDSCAPE PLAN

SCALE: AS NOTED
DESIGNED BY: MLK
DRAWN BY: MLK
CHECKED BY: MLK

STATE OF MISSOURI
LANDSCAPE ARCHITECT

IFLY - CHESTERFIELD

ORIGINAL ISSUE: 3/23/16
KHA PROJECT NO. 160695043
SHEET NUMBER L1.0



MATERIAL SCHEDULE

DESIGNATION	MATERIAL
PT-1:	GLIDDEN - STONE HARBOR - 10YY - 48/071
PT-2:	PAINT TO MATCH CMU-1 AND CMU-2
PT-3:	TNEMEC TO MATCH GLIDDEN A1772 - KITTEN WHITE
PT-4:	PAINT TO MATCH E-3
E-1:	EIFS TO MATCH GLIDDEN - STONE HARBOR - 10YY - 48/071
E-2:	EIFS TO MATCH BLUEBERRY BUSH PPG 247-6
E-3:	EIFS CUSTOM TO MATCH PANTONE 290C
E-4:	EIFS TO MATCH GLIDDEN A1772 KITTEN WHITE
CMU-1:	BURNISHED VENEER - TRENDSTONE GREY MARBLE
CMU-2:	BURNISHED B' BLOCK - TRENDSTONE GREY MARBLE
TC-1:	TEXTURE COAT TO MATCH GLIDDEN - STONE HARBOR
M-1:	METAL COPING - BERRIDGE - ZINC-COTE
M-2:	METAL COPING - TO MATCH AND CMU-2
AS-1:	ALM. STOREFRONT
AS-2:	ENTRY STOREFRONT

SCALE : 1" = 10'-0"

ARCHITECT: **GMA**
 A. C. H. I. P. C. T.
 600 W. BETHWOOD RD., SUITE 100
 ST. LOUIS, MISSOURI 63105
 (314) 480-3131 (F) 314-480-1114
 WWW.GMA-ARCHITECT.COM

CONTRACTOR: **ARCO**
 THE BETHWOOD BUILDING GROUP
 800 W. BETHWOOD RD., SUITE 100
 ST. LOUIS, MISSOURI 63105
 (314) 480-3131 (F) 314-480-1114
 WWW.ARCOCONSTRUCTION.COM

CONSULTING ENGINEERS:
 CIVIL: **WELDON ENGINEERS**
 1001 W. BETHWOOD RD., SUITE 300
 ST. LOUIS, MISSOURI 63105
 (314) 480-3131 (F) 314-480-1114
 STRUCTURAL: **MARTIN MARTIN**
 1001 W. BETHWOOD RD., SUITE 300
 ST. LOUIS, MISSOURI 63105
 (314) 480-3131 (F) 314-480-1114

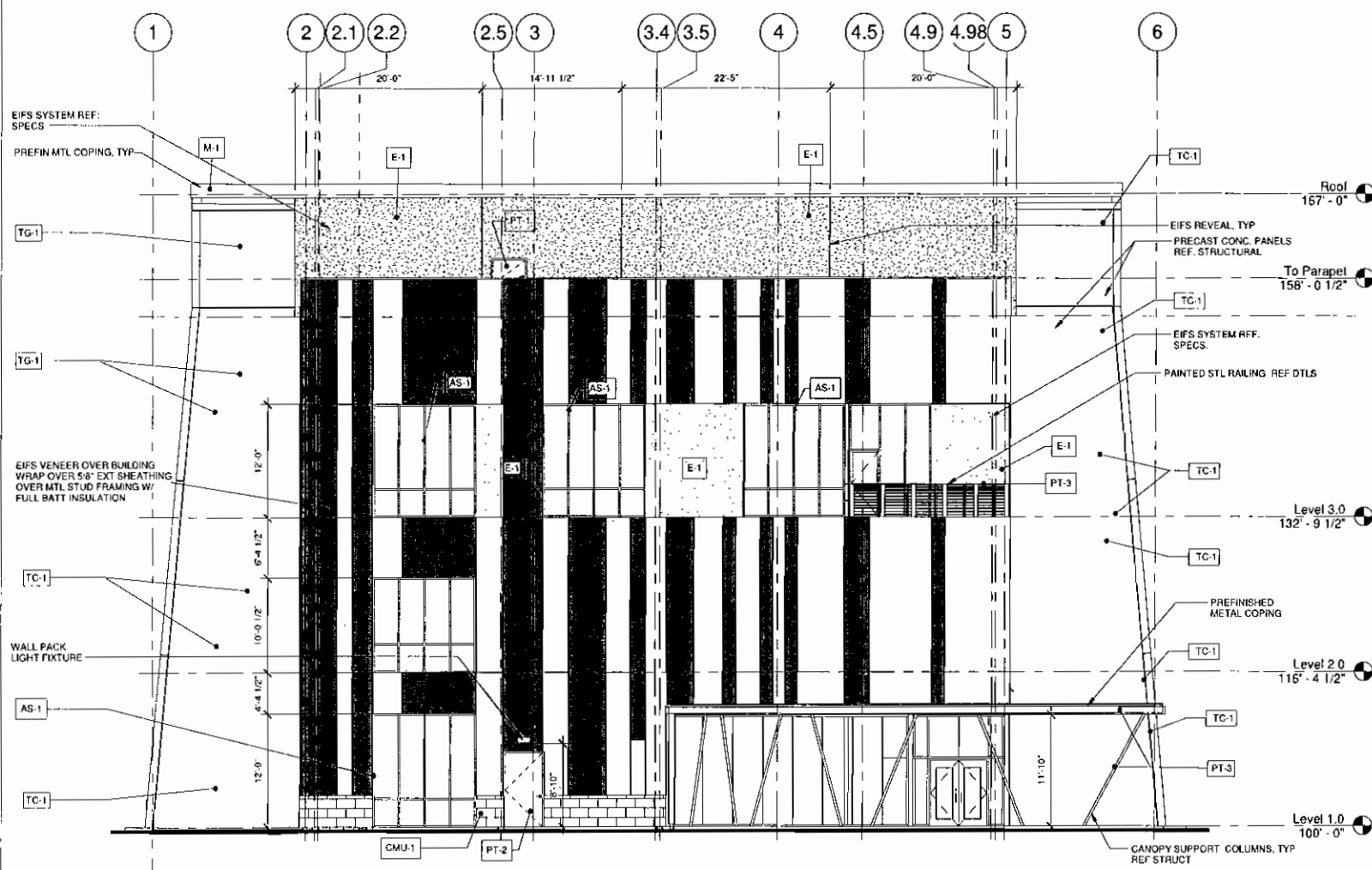
IFly - Chesterfield
iFLY
 INDOOR SKIING
 CHESTERFIELD MALL RING ROAD
 CHESTERFIELD, MO 63017-4897

STATE OF MISSOURI
 LOUIS WEAVER
 REGISTERED ARCHITECT
 NO. 000000000

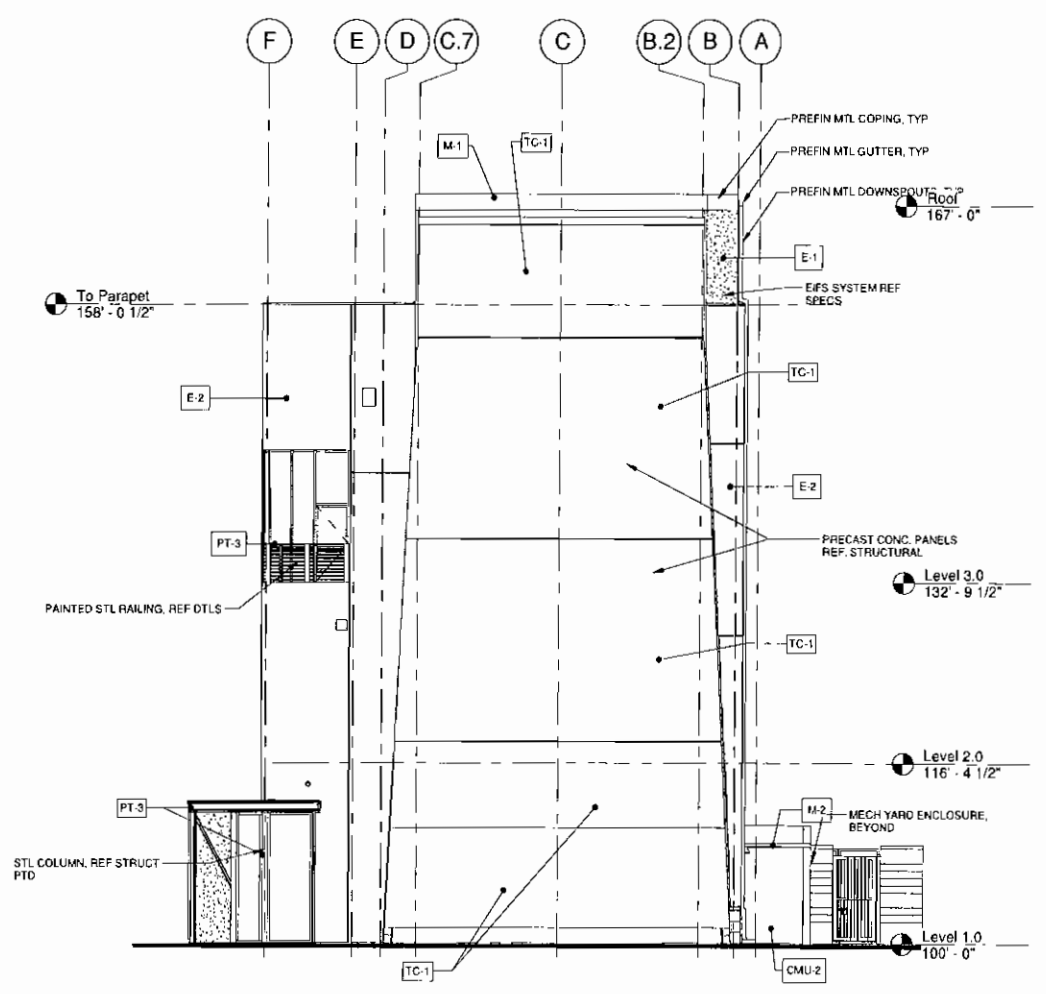
JOB NO: 1594
 PA: FCW
 DATE: 03-30-16

REVISIONS Δ

SHEET NUMBER
A-1
 COLORED ELEVATIONS



1 SOUTH ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"

MATERIALS LEGEND

- TC-1 CONCRETE PANEL
- E-1 EIFS
- E-2 EIFS
- E-3 EIFS
- CMU-1 MASONRY VENEER
- CMU-2 MASONRY - FULL BLOCK

MATERIAL SCHEDULE-EXTERIOR				
Mark	DESCRIPTION	MANUFACTURE R	COLOR/FINISH	COMMENTS
CONCRETE PANEL				
TC-1	CONCRETE PANEL		TEXTURE COAT TO MATCH GLIDDEN STONE HARBOR 10YY 48/071	CAST IN PLACE WALL PANELS
EIFS				
E-1	EIFS	TBD	CUSTOM COLOR TO MATCH GLIDDEN STONE HARBOR 10YY 48/071	
E-2	EIFS	PPG	PPG BLUEBERRY BUSH #247-6	
E-3	EIFS	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH PANTONE 280C	
E-4	EIFS	GLIDDEN	EIFS TO MATCH GLIDDEN A1772 KITTEN WHITE	
Masonry				
CMU-1	Masonry	TRENDSTONE	GREY MARBLE	CONCRETE UNIT VENEER MASONRY BURNISHED FACE
CMU-2	Masonry	TRENDSTONE	GREY MARBLE	FULL BLOCK # BURNISHED FACE
METAL				
M-1	METAL	BERRIDGE	ZINC-COTE	
M-2	METAL	BERRIDGE	COLOR TO MATCH CMU-2	
PAINT				
PT-1	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH GLIDDEN STONE HARBOR 10YY 48/071	
PT-2	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH CMU-1	
PT-3	PAINT	THEMEC	CUSTOM COLOR TO MATCH GLIDDEN #A1772 'KITTEN WHITE'	
STOREFRONT				
AS-1	STOREFRONT	Old Castle	CLEAR ANODIZED ALUM	
AS-2	STOREFRONT	TBD per details	CLEAR ANODIZED ALUM	

- General Elevation Notes**
- NOT ALL MATERIALS LISTED IN MATERIAL SCHEDULE MAY BE USED. RE: ELEVATIONS
 - ALL EXPOSED METAL TO BE GALVANIZED, PRIMED, & TWO (2) COAT PAINTED AS SCHEDULED (NON-PREFINISHED METALS ONLY)
 - CMU WALLS ARE TO HAVE RECEIVED THEIR CLEAR WATER REPELLANT COATING PRIOR TO INSTALLATION OF ALL SHEET METAL WORK, WALL ATTACHMENT STEEL ITEMS, ANCHORS, ETC
 - ALL EXPOSED UTILITIES METALS ON BUILDING ARE TO BE TWO (2) COAT PAINTED TO MATCH WALL COLOR OR AS SHOWN IN ELEVATIONS. REF ELEVATION SHEETS.
 - AT ALL VERTICAL PARAPET EDGE STEPS, PROVIDE PREFINISHED MTL COUNTERFLASHING LAPPED UNDER MTL PARAPET COPING MIN 4" & SEAL TURN COUNTERFLASHING UP ON PARAPET EDGE MIN 4", WEDGE & SEAL INTO REGLET WHEN PARAPET STEP IS 8" OR LESS. EXTEND COUNTERFLASHING UP UNDER PREFINISHED MTL PARAPET COPING ABOVE. SEAL ALL EXPOSED FLASHING EDGES.

W.T. ENGINEERING, LLC
 CONSULTING ENGINEERS
 1111 MONROE BLVD, SUITE 100
 DOWNSBORO, GA 30428
 P: 770.285.6532 F: 770.285.4444
 WWW.WTEENGINEERING.COM

CONTRACTOR
ARCO MURRAY
 1111 MONROE BLVD, SUITE 100
 DOWNSBORO, GA 30428
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 WWW.ARCOMURRAY.COM

ARCHITECT
GMA
 9206 EAST TALKING STICK WAY
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 TULSA, OK 74116
 P: 918.438.1111 F: 918.438.1111
 WWW.GMAARCHITECT.COM

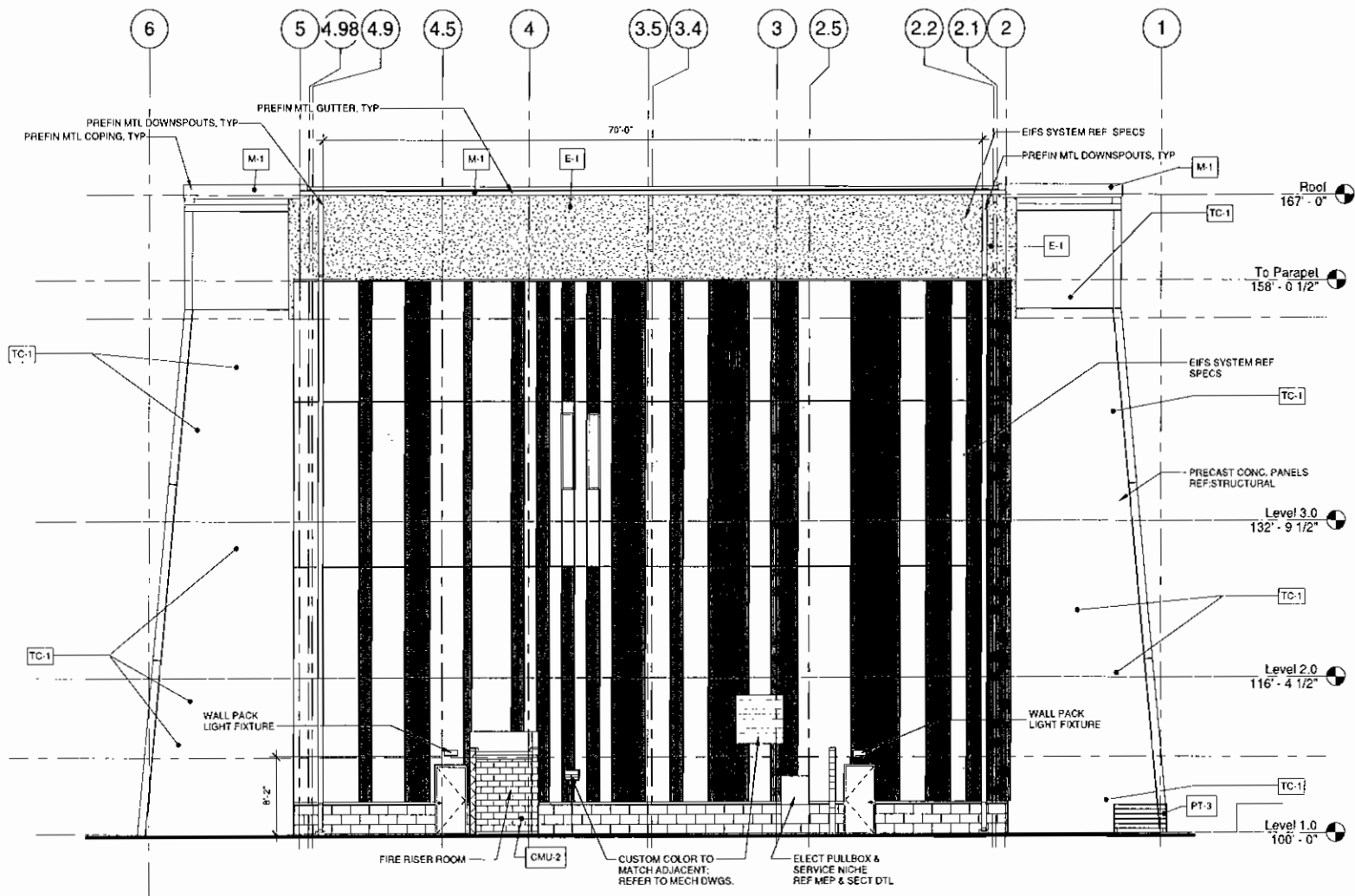
iFly Indoor Skydiving
 Salt River Pima - Maricopa Indian Community
iFLY
 INDOOR SKYDIVING
 9206 EAST TALKING STICK WAY
 SUITE 100 TULSA, ARIZONA 74116

STATE OF ARIZONA
 REGISTERED ARCHITECT
 LICENSE NO. 15594

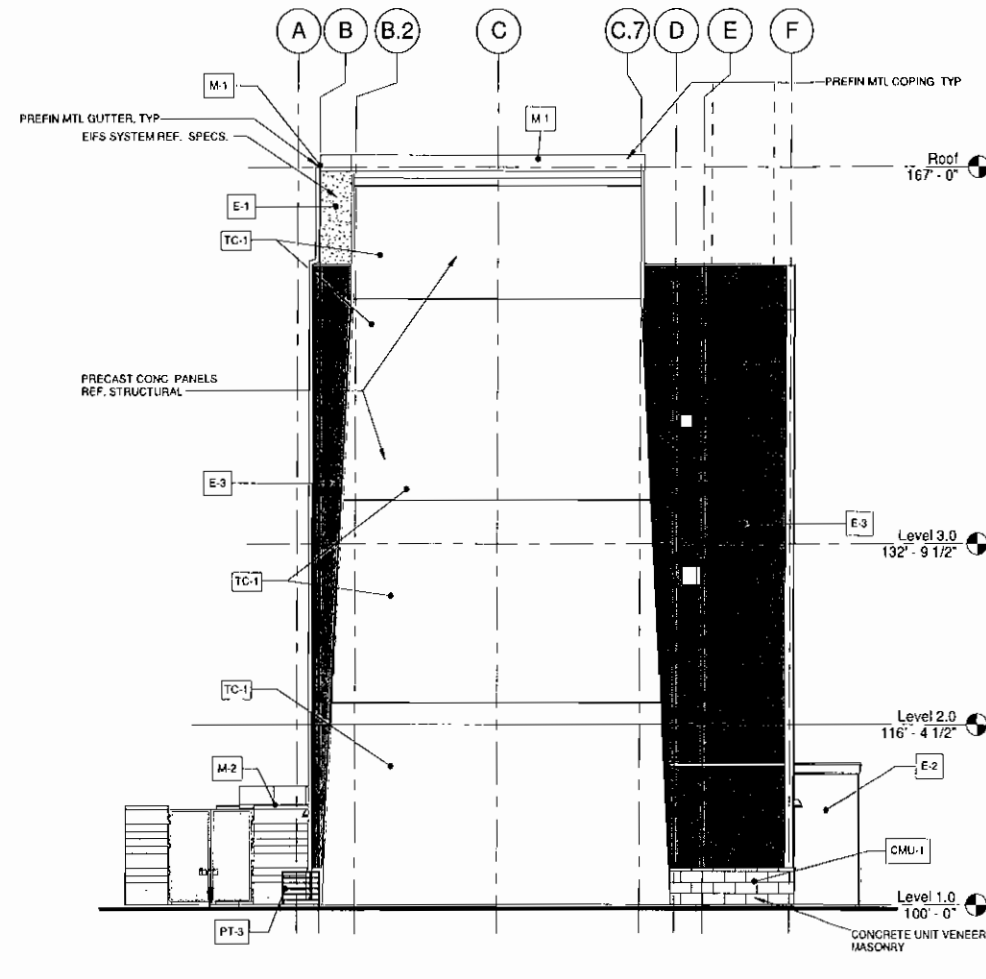
JOB NO: 15594
 FA: FCW
 ISSUE DATE: 03-30-16

REVISIONS
 DATE

SHEET NUMBER
A-2
 Exterior Elevations



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



2 WEST ELEVATION
1/8" = 1'-0"

MATERIALS LEGEND

- TC-1 CONCRETE PANEL
- E-1 EIFS
- E-2 EIFS
- E-3 EIFS
- CMU-1 MASONRY VENEER
- CMU-2 MASONRY - FULL BLOCK

MATERIAL SCHEDULE-EXTERIOR				
Mark	DESIGNATION	MANUFACTURE R	COLOR/FINISH	COMMENTS
CONCRETE PANEL				
TC-1	CONCRETE PANEL		TEXTURE COAT TO MATCH GLIDDEN STONE HARBOR 10YY 48 071	CAST IN PLACE WALL PANELS
EIFS				
E-1	EIFS	TBD	CUSTOM COLOR TO MATCH GLIDDEN STONE HARBOR 10YY 48 071	
E-2	EIFS	PPG	PPG BLUEBERRY BUSH #247.6	
E-3	EIFS	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH PAINTONE 280C	
E-4	EIFS	GLIDDEN	EIFS TO MATCH GLIDDEN A1772 KITTEN WHITE	
Masonry				
CMU-1	Masonry	TRENDSTONE	GREY MARBLE	CONCRETE UNIT VENEER MASONRY BURNISHED FACE
CMU-2	Masonry	TRENDSTONE	GREY MARBLE	FULL BLOCK 8" BURNISHED FACE
METAL				
M-1	METAL	BERTRIDGE	ZINC COTE	
M-2	METAL	BERTRIDGE	COLOR TO MATCH CMU-2	
PAINT				
PT-1	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH GLIDDEN STONE HARBOR 10YY 48 071	
PT-2	PAINT	SHERWIN WILLIAMS	CUSTOM COLOR TO MATCH CMU-1	
PT-3	PAINT	TNMEC	CUSTOM COLOR TO MATCH GLIDDEN #A1772 'KITTEN WHITE'	
STOREFRONT				
AS-1	STOREFRONT	Old Castle	CLEAR ANODIZED ALUM	
AS-2	STOREFRONT	TBD per details	CLEAR ANODIZED ALUM	

General Elevation Notes

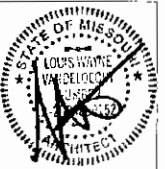
1. NOT ALL MATERIALS LISTED IN MATERIAL SCHEDULE MAY BE USED, RE ELEVATIONS
2. ALL EXPOSED METAL TO BE GALVANIZED, PRIMED, & TWO (2) COAT PAINTED AS SCHEDULED (NON-PREFINISHED METALS ONLY)
3. CMU WALLS ARE TO HAVE RECEIVED THEIR CLEAR WATER REPELLANT COATING PRIOR TO INSTALLATION OF ALL SHEET METAL WORK, WALL ATTACHMENT STEEL ITEMS, ANCHORS, ETC
4. ALL EXPOSED UTILITIES METALS ON BUILDING ARE TO BE TWD (2) COAT PAINTED TO MATCH WALL COLOR OR AS SHOWN IN ELEVATIONS. REF ELEVATION SHEETS.
5. AT ALL VERTICAL PARAPET EDGE STEPS, PROVIDE PREFINISHED MTL COUNTERFLASHING LAPPED UNDER MTL PARAPET COPING MIN 4" & SEAL. TURN COUNTERFLASHING UP ON PARAPET EDGE MIN 4" WEDGE & SEAL INTO REGLET. WHEN PARAPET STEP IS 8" OR LESS, EXTEND COUNTERFLASHING UP UNDER PREFINISHED MTL PARAPET COPING ABOVE. SEAL ALL EXPOSED FLASHING EDGES

CONSULTING ENGINEERS
W.L. ENGINEERING, LLC
1000 N. W. 10TH AVE., SUITE 100
MIAMI, FL 33136
P: 305.571.1111
F: 305.571.1112
WWW.WLENG.COM

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3115 WOODBERRY DRIVE
DUNNELLON, FL 33515
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ARCHITECT
GMA
600 N. ROCK HILL ROAD
ST. LOUIS, MO 63119
WWW.GMAOFFICE.COM

iFly Indoor Skydiving
Salt River Pima - Maricopa Indian Community
9206 EAST TALKING STICK WAY
SCOTTSDALE, ARIZONA 85256



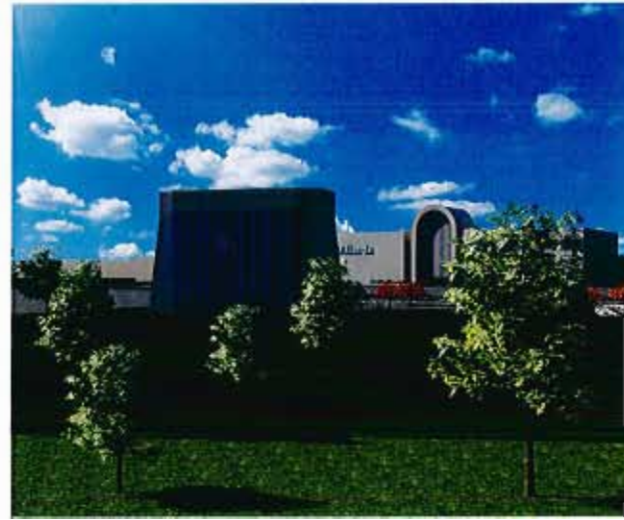
JOB NO: 1504
PA: FCW
ISSUE DATE: 03-30-16

REVISIONS:
DATE

SHEET NUMBER
A-3
Elevation



REFERENCE PHOTO



1 VIEW FROM FIELD BELOW



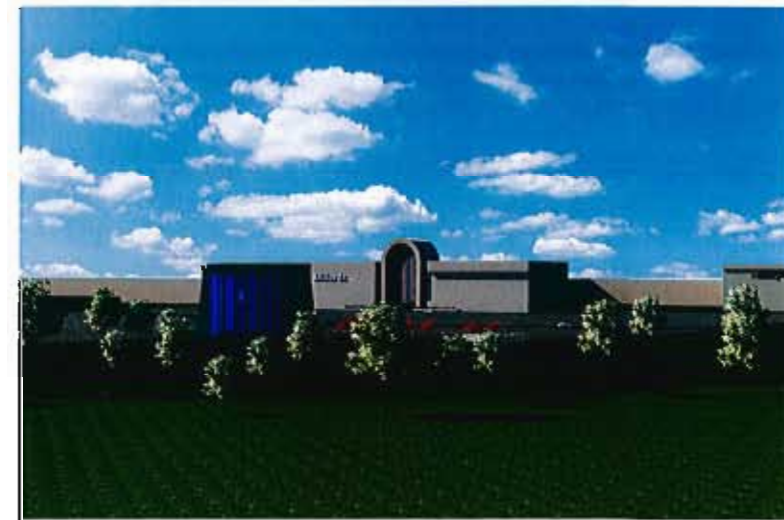
2 VIEW OF ENTRY



LOCATION PLAN



3 VIEW FROM S OUTER 40



4 AERIAL VIEW OF HILL SIDE

ARCHITECT
GMA
 ARCHITECTS
 20 NORTH ROCK HILL ROAD
 LAWRENCE, MO 64503
 (314) 880-0714 (F) 314-880-0714
 WWW.GMA-ARCHITECT.COM

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 CONSTRUCTION
 THE DESIGN/BUILD PEOPLE
 1001 WASHINGTON BLVD
 LAWRENCE, MO 64503
 (314) 880-0714 (F) 314-880-0714
 WWW.ARCOCONSTRUCTION.COM

CONSULTING ENGINEERS
MEI ENGINEERS
 1001 WASHINGTON BLVD, SUITE 300
 LAWRENCE, MO 64503
 (314) 880-0714 (F) 314-880-0714
STRUCTURAL
FIRE PROTECTION

IFly - Chesterfield
iFLY
INDOOR SKYDIVING
 CHESTERFIELD MALL RING ROAD
 CHESTERFIELD, MO 63017-4897

STATE OF MISSOURI
 LOUIS WAYNE
 VANDERLINDEN
 ARCHITECT
 LICENSE NO. 000000000

JOB NO : 1594
 PA : FCW
 DATE : 03-30-16

REVISIONS Δ

SHEET NUMBER
A-4
 RENDERED IMAGES



1 WEST ACROSS VALLEY



2 SOUTH TOWARDS DILLARD'S



3 EAST TOWARDS EDGEWILD



4 LOOKING NORTH



5 S OUTER FORTY TOWARDS DILLARDS

CONSULTING ENGINEERS
 W.T. ENGINEERING LLC
 1001 CHERRYVILLE ROAD, SUITE 200
 JEFFERSONVILLE, MO 64501
 (314) 634-1000

ME. ENGINEER
 (314) 634-1000

FILE PROTECTION
 MARTIN / MARTIN
 100 NORTH ROCK HILL ROAD
 JEFFERSONVILLE, MO 64501
 (314) 303-1100 (F) 314-303-1800

CONTRACTOR
ARCO
 1100 WEST 11TH ST. SUITE 100
 ST. LOUIS, MISSOURI 63103
 (314) 241-1000
 WWW.ARCO-CONTRACTOR.COM

ARCHITECT
GWA
 800 NORTH ROCK HILL ROAD
 ST. LOUIS, MISSOURI 63115
 (314) 241-1000
 WWW.GWA-ARCHITECT.COM

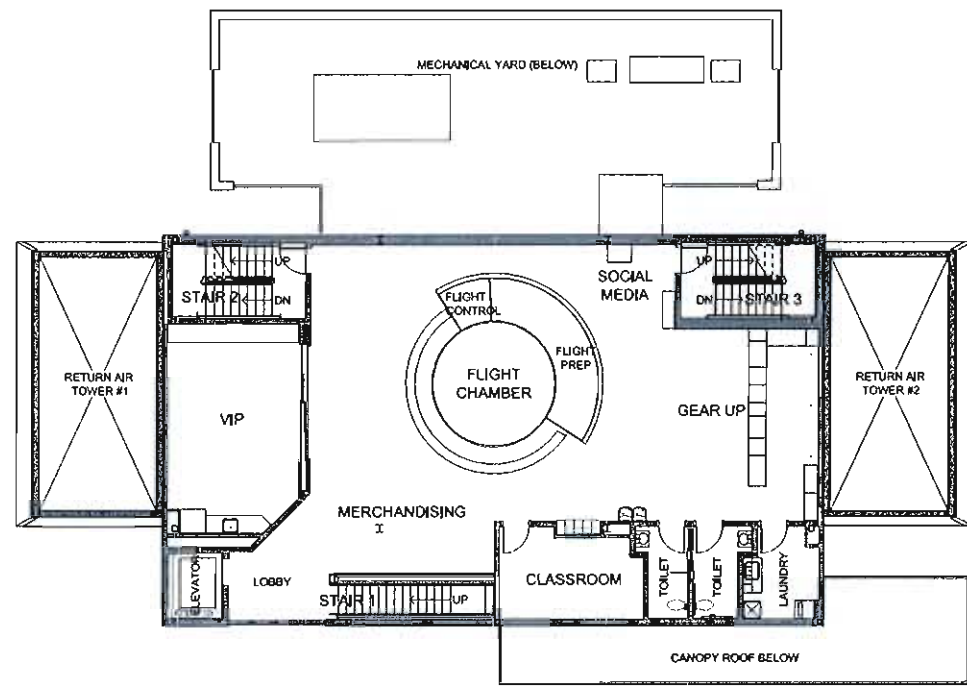
IFly - Chesterfield
IFLY
 INDOOR SHOPPING
 CHESTERFIELD MALL RING ROAD
 CHESTERFIELD, MO 63017-4897



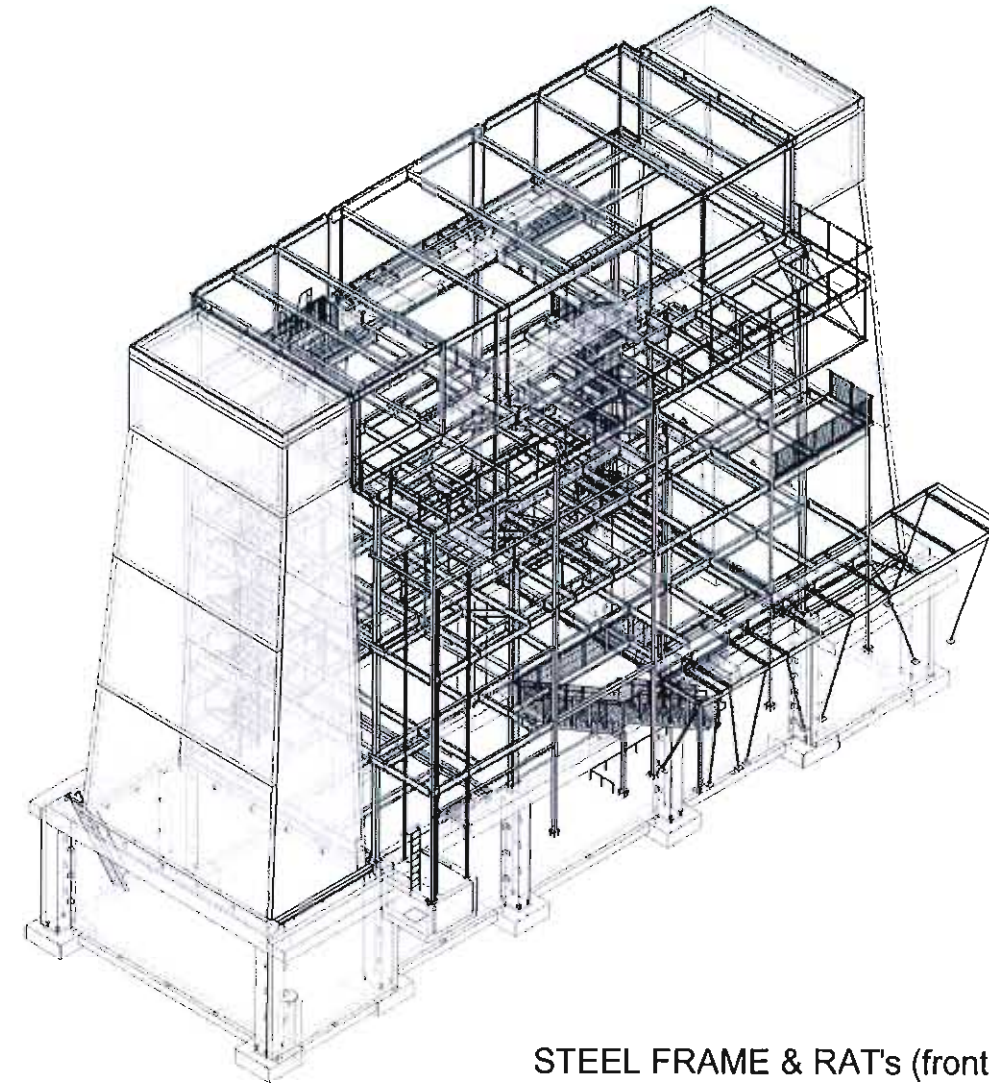
JOB NO : 1594
 PA : FCW
 DATE : 03-30-16

REVISIONS	DATE

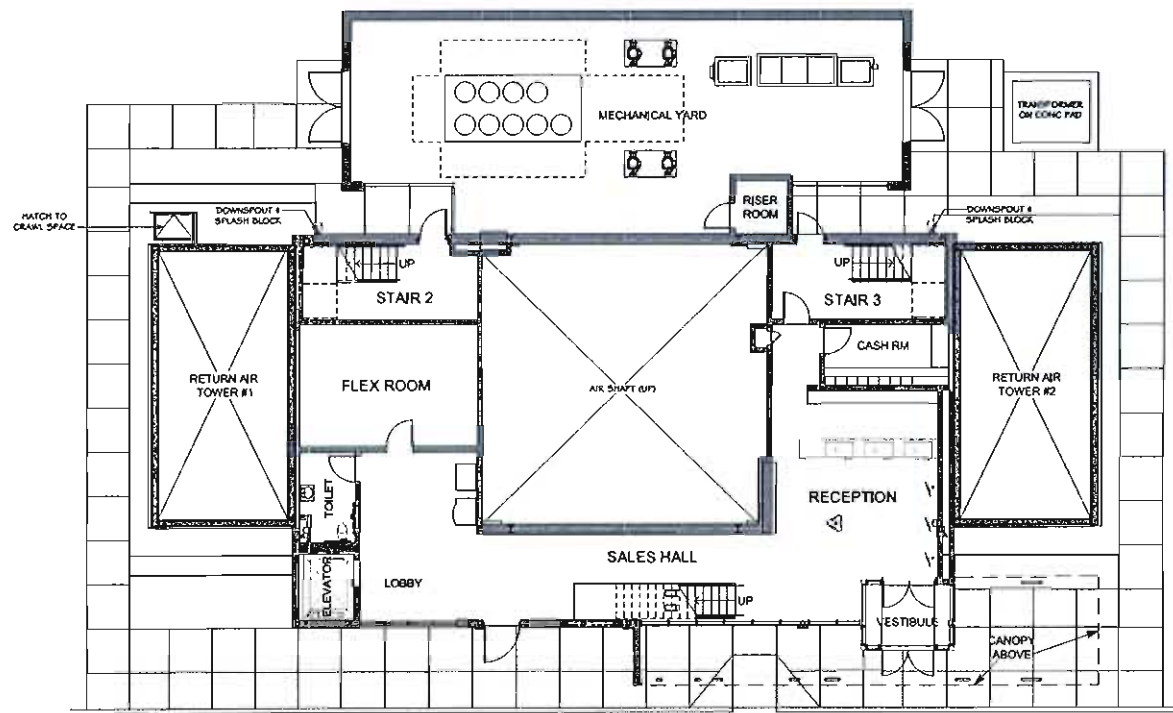
SHEET NUMBER
A-5
 ADJACENT USES



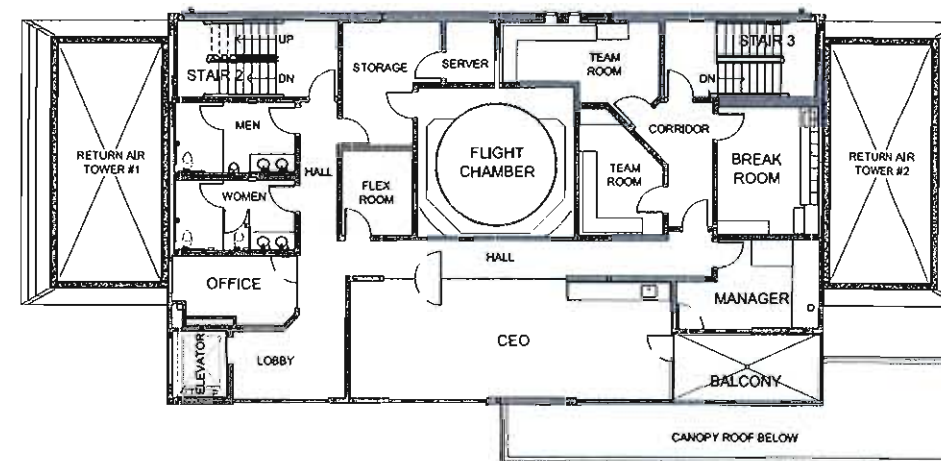
LEVEL TWO - FLIGHT DECK



STEEL FRAME & RAT's (front)



LEVEL ONE - ENTRY



LEVEL THREE - SUPPORT

W3 ENGINEERING, LLC
2075 PROUDMAN BLVD
HOFFMAN ESTATES, IL 60132
(708) 225-2525 (F) 708-225-2444

JAEZ ENGINEERS
1001 WARRIORSVALE ROAD, SUITE 300
LIBERTY, IL 60530
(708) 464-5555

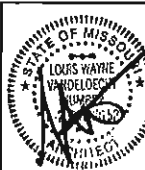
MARTIN MARTY
100 NORTH ROCK HILL ROAD
LAKEWOOD, CO 80215
(303) 533-4110 (F) 303-466-9823

CONSULTING ENGINEERS
GENERAL
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CONTRACTOR
ARCO
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CONSTRUCTION
888 NORTH ROCK HILL ROAD
LAKEWOOD, CO 80215
(303) 464-5555
WWW.ARCOCONSTRUCTION.COM

ARCHITECT
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ARCHITECTS
800 NORTH ROCK HILL ROAD
LAKEWOOD, CO 80215
(303) 464-5555
WWW.GMA-ARCHITECTS.COM

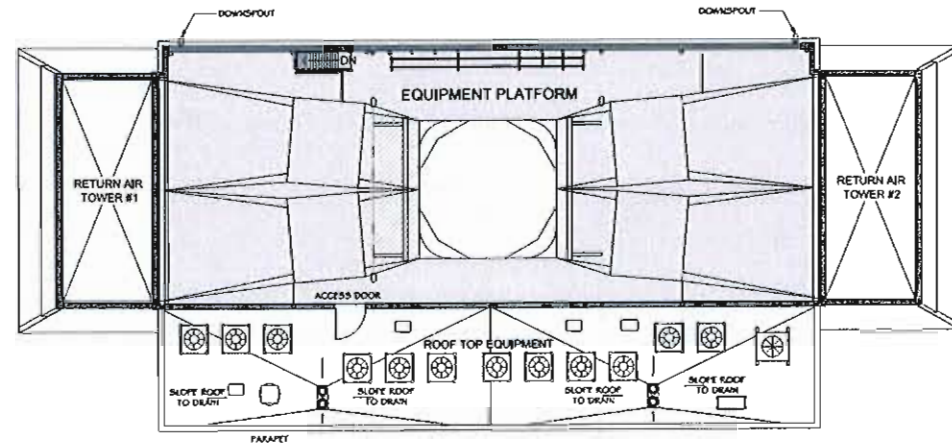
IFly - Chesterfield
iFLY
INDOOR SKYDIVING
CHESTERFIELD MALL, RING ROAD
CHESTERFIELD, MO 63017-4897



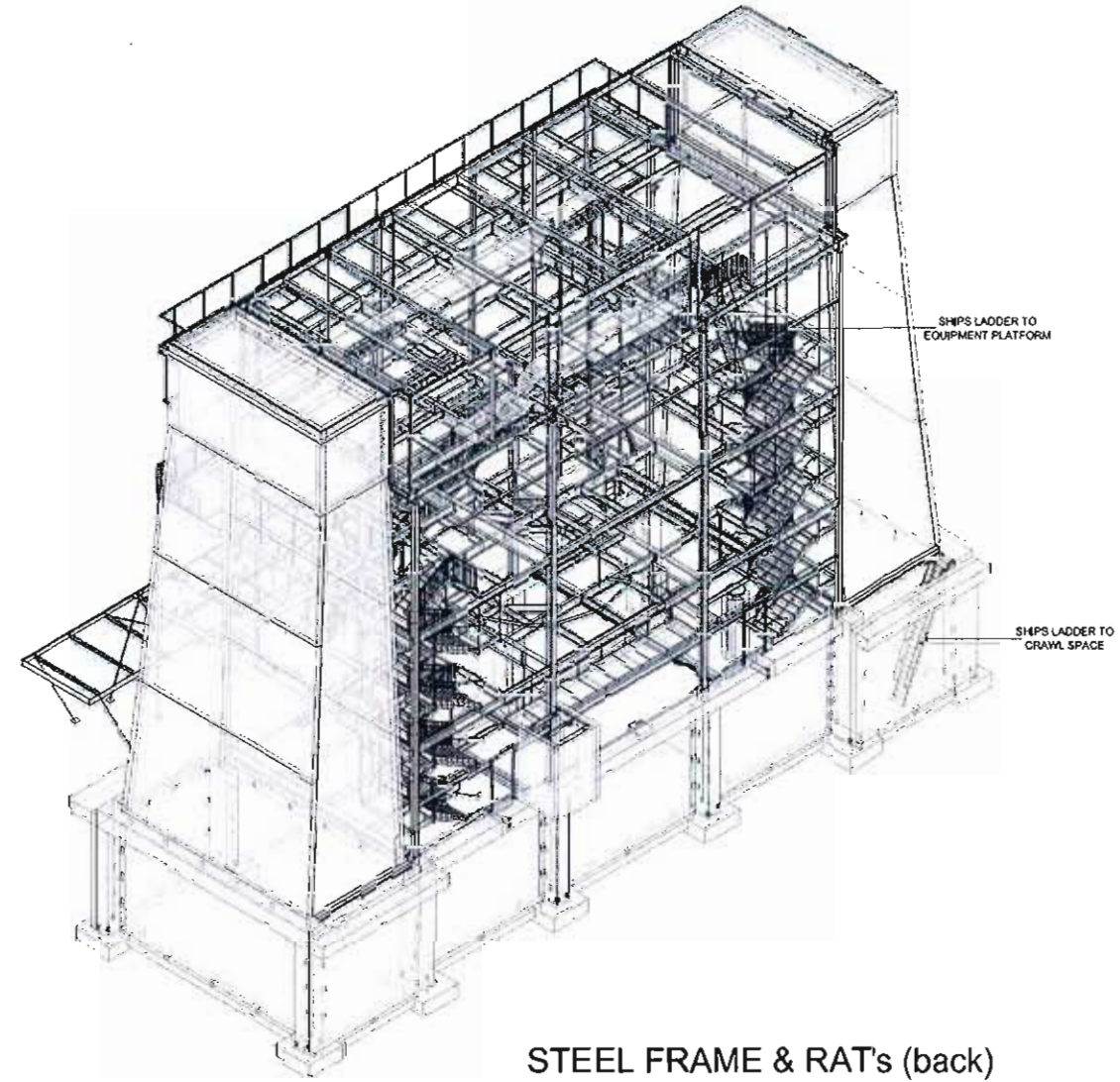
JOB NO: 1594
PA: FCW
DATE: 03-30-16

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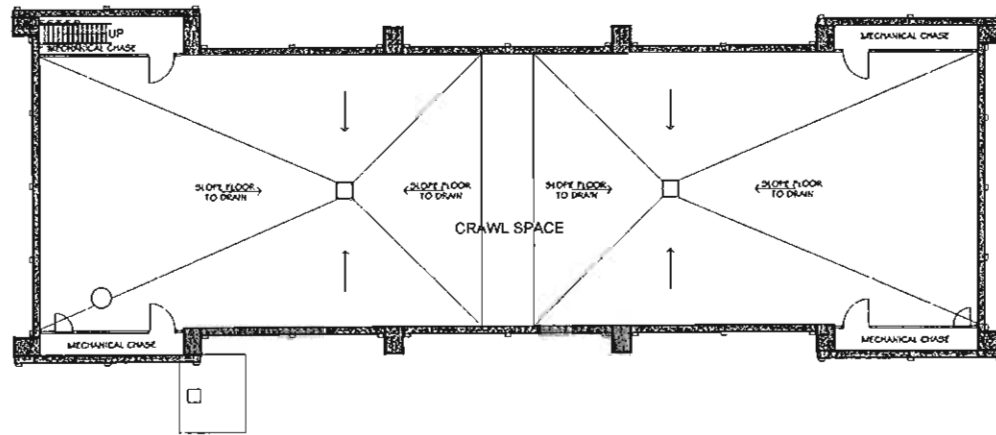
SHEET NUMBER
A-6
OCCUPIED FLOOR PLAN



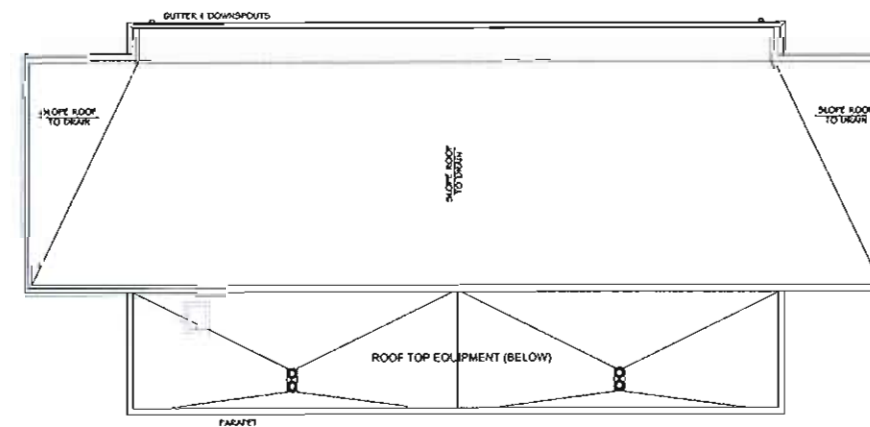
LEVEL FOUR - EQUIPMENT PLATFORM



STEEL FRAME & RAT's (back)



SUB-LEVEL - CRAWL SPACE



LEVEL FIVE - ROOF

CONSULTING ENGINEERS
 CIVIL: _____
 MECHANICAL: _____
 ELECTRICAL: _____
 STRUCTURAL: _____
CONTRACTOR
ARCO
 THE DESIGN-BUILD PEOPLE
 20 NORTH ROCKWELL ROAD
 LANEWOOD, CO 80115
 (303) 462-0713
 WWW.ARCCONSTRUCTION.COM

ARCHITECT
GMA
 ARCHITECTS
 2710 WEST 100TH AVENUE
 CHESTERFIELD, MO 63074
 (314) 282-1181
 WWW.GMARCHITECT.COM



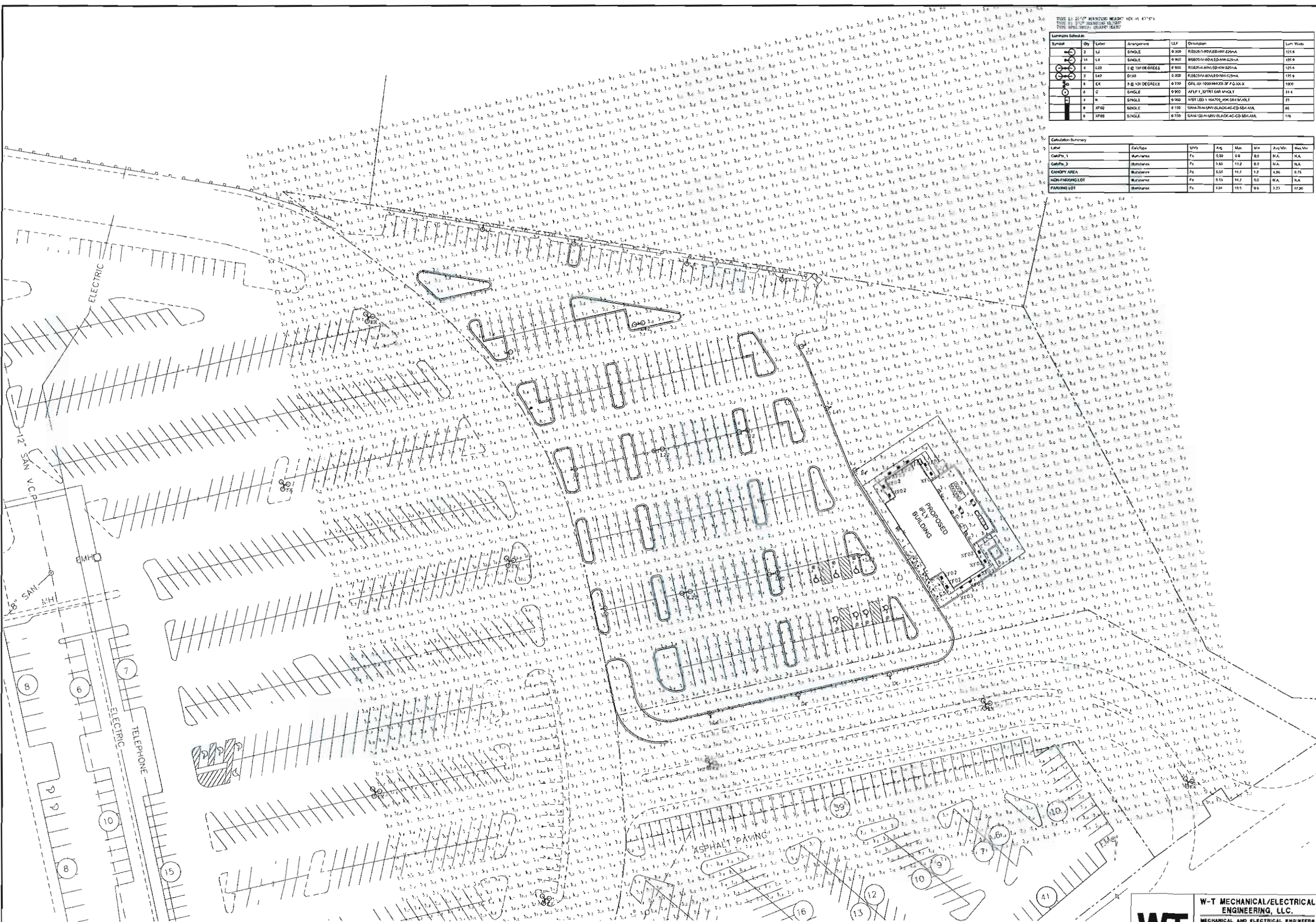
JOB NO: 1594
 PA: FCW
 DATE: 03-30-16

REVISIONS	DATE

SHEET NUMBER
A-7
 UNOCCUPIED FLOOR PLANS







TYPE 1: 20' x 10' MINUTUE BEAMS 140' x 14' 47" x 14'

TYPE 2: 20' x 10' MINUTUE BEAMS 140' x 14' 47" x 14'

TYPE 3: 20' x 10' MINUTUE BEAMS 140' x 14' 47" x 14'

Symbol	Qty	Label	Arrangement	LF	Description	Lum. Wtds
1	2	L2	SINGLE	0.300	R8005-SHAWLED-4W-25W-A	125.6
2	11	L4	SINGLE	0.900	R8005-SHAWLED-4W-25W-A	125.6
3	4	L23	3 @ 18 DEGREES	0.900	R8005-SHAWLED-4W-25W-A	125.6
4	2	L47	DIAO	0.350	R8005-SHAWLED-4W-25W-A	125.6
5	8	EK	3 @ 120 DEGREES	0.350	GALV-1000-4W-25W-3'7-6-20-18	1000
6	1	C	SINGLE	0.900	AFPL-1-30T81-8AR-WHOLE	31.4
7	1	M	SINGLE	0.900	W8T-LED-1-16A70L-WKDR-M-10V-1	75
8	2	XF02	SINGLE	0.750	10A137-M-10V-16A70L-WKDR-M-10V-1	86
9	8	XF03	SINGLE	0.750	10A137-M-10V-16A70L-WKDR-M-10V-1	176

Label	CalcType	Units	Av	Min	Max	Avg Min	Max Min
CalcType 1	lumiance	Fc	0.00	0.0	0.0	NA	NA
CalcType 2	lumiance	Fc	1.65	11.2	0.0	NA	NA
CANOPY AREA	lumiance	Fc	6.50	11.7	1.2	4.96	0.75
NON-PARKING LOT	lumiance	Fc	0.55	11.2	0.0	NA	NA
PARKING LOT	lumiance	Fc	1.34	15.5	0.0	3.21	17.30

SITE PHOTOMETRIC PLAN
SCALE: 1"=40'-0"

PROJECT NORTH

W-T

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INDOOR SPORTS CENTER
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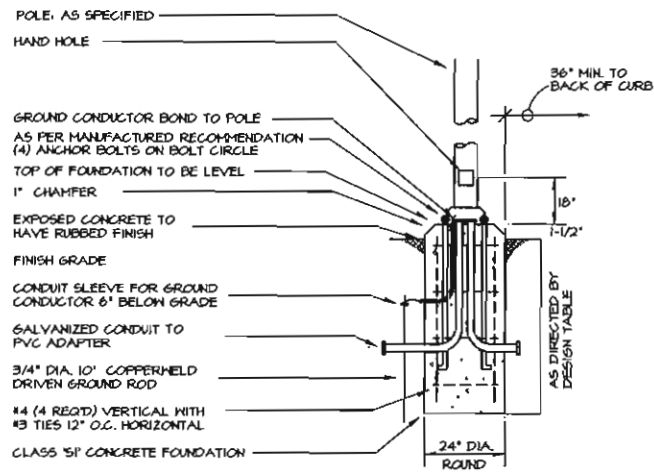


JOB NO: 1594
PA: FCW
DATE: 02-11-16

REVISIONS Δ

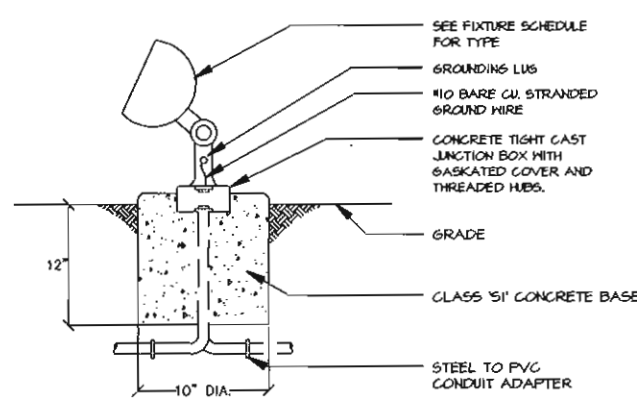
WASTE
ARB RESUBMITTAL
03-22-16
ARB RESUBMITTAL

SHEET NUMBER
E.1.1



TYPICAL POLE BASE DETAIL
NOT TO SCALE

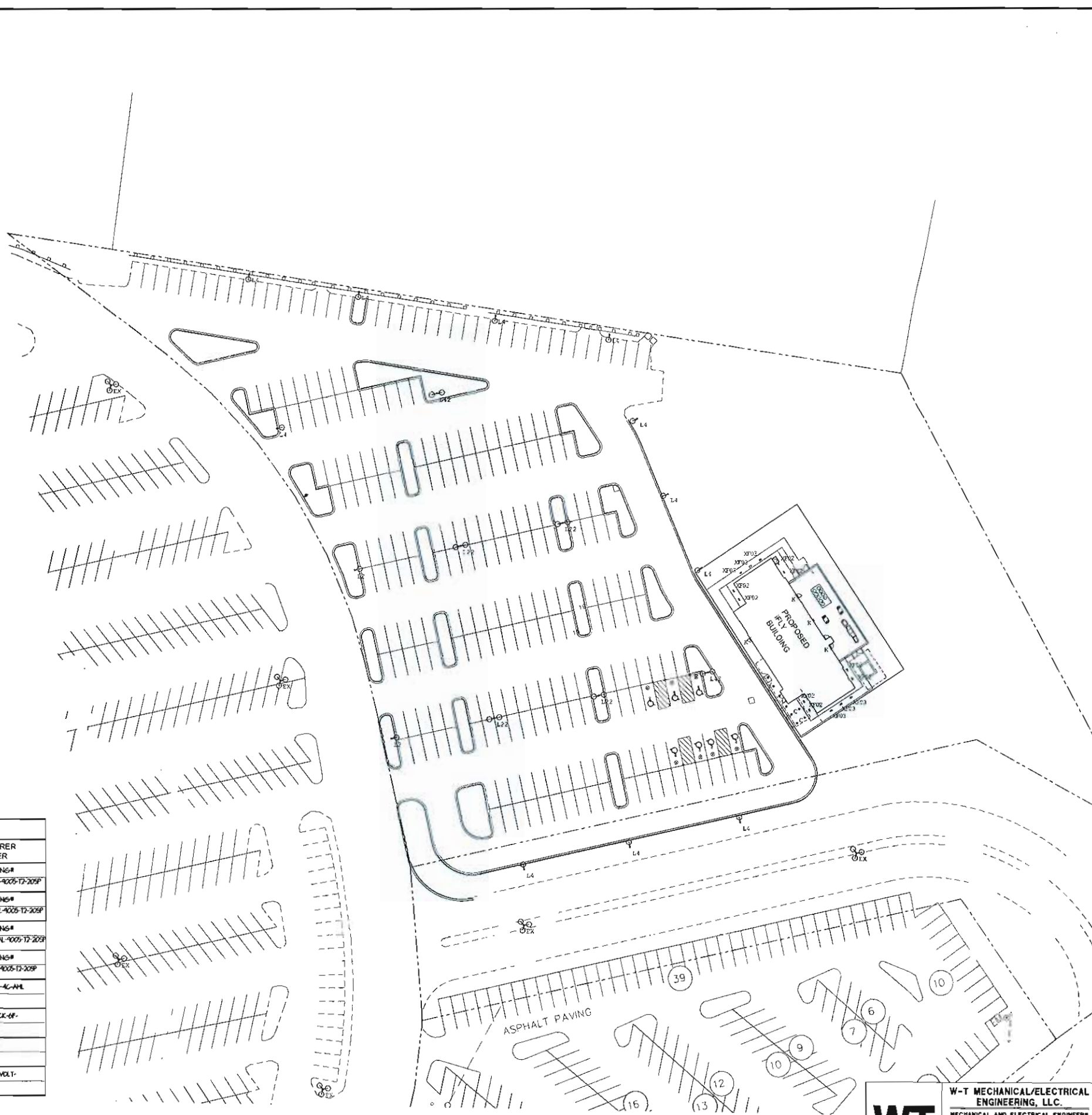
TYPE OF SOIL		DESIGN DEPTH OF FOUNDATION (IN FEET)
DESCRIPTIONS	STANDARDS	20' POLE
1. SOFT CLAY	GU-0.25-0.5 TSF	14.0
2. MED. STIFF CLAY	GU-0.5-1.0 TSF	9.5
3. STIFF CLAY	GU-1.0-2.0 TSF	7.5



DETAIL - GROUND MOUNTED FLOOD LIGHT
NOT TO SCALE

SITE LIGHTING FIXTURE SCHEDULE					
TYPE	DESCRIPTION & FEATURES	LAMPS		MOUNTING	SPECIFIED MANUFACTURER AND CATALOG NUMBER
		QTY.	TYPE	CLG./POLE-TYPE	
L2	LED POLE LIGHT (BLACK FINISH) (SINGLE HEAD)	1	80W LED	20'-0" POLE	US ARCHITECTURAL LIGHTING# R522-1-80W-LED-114-525W-7TH-RAL-4005-12-205P OR R512-205-11-124-4005-5
L22	LED POLE LIGHT (BLACK FINISH) (2 HEADS @ 180°)	1	80W LED	20'-0" POLE	US ARCHITECTURAL LIGHTING# R522-1-80W-LED-114-525W-7TH-RAL-4005-12-205P OR R512-205-11-124-4005-5
L4	LED POLE LIGHT (BLACK FINISH) (2 HEADS @ 180°)	2	80W LED	20'-0" POLE	US ARCHITECTURAL LIGHTING# 2R522-1-80W-LED-114-525W-7TH-RAL-4005-12-205P OR R512-205-11-124-4005-5
L42	LED POLE LIGHT (BLACK FINISH) (2 HEADS @ 180°)	2	80W LED	20'-0" POLE	US ARCHITECTURAL LIGHTING# 2R522-1-80W-LED-114-525W-7TH-RAL-4005-12-205P OR R512-205-11-124-4005-5
XF02	HID FLOOD LIGHT (BLACK FINISH)	1	104W MH	GROUND	EYE LIGHTING #MH-104W-MH-BLACK-AL-MH
XF03	HID FLOOD LIGHT (BLACK FINISH) W/ BLUE LENS	1	150W MH	GROUND	EYE LIGHTING #MS-150W-MH-BLACK-6F-4ML-425-CL-BLUE
C	6" CFL DOWNLIGHT	1	32W RT	RECESSED/CEILING CANOPY - 10" AFF	600MH #RFLP-123RT-6W-MVOLT
K	LED WALL PACK (TEXTURED NATURAL ALUMINUM FINISH)	1	29W LED	SURFACE/WALL 9'-0" AFF	LITONIA #651-104100/ACK-SR4-MVOLT-ELCH-DWTD

SITE ELECTRICAL PLAN
SCALE: 1"=40'-0"



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EXP. 12-31-17

JOB NO: 1594
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REVISIONS Δ

02-05-16
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