



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, Lot 2

Meeting Date: May 11, 2017

From: Cecilia Hernandez

Project Planner

Location: 18600 Olive Street Road, Lot 2

Applicant: MW Weber Architects

Description: 18600 Olive Street Rd (Canaan Crossing, Lot 2): A Site Development Section Plan,

Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 1.02 acre tract of land zoned "PI" Planned Industrial District located south of Olive Street Road west of its intersection with Spirit Airpark West Drive.

PROPOSAL SUMMARY

The request is for a Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a new 10,000 square foot professional and technical service facility. The proposed building is to be constructed of brick, EIFS, cast stone, and aluminum. The subject site is zoned "PI" Planned Industrial District and is governed under the terms and conditions of City of Chesterfield Ordinance 2903.

HISTORY OF SUBJECT SITE

At 1.02 acres in size, the subject site is roughly one-fifth of a 5.0 acre parcel and was originally zoned "M3" Planned Industrial District by St. Louis County prior to the incorporation of the City of Chesterfield. The site is currently vacant and was rezoned to "PI" Planned Industrial District via ordinance 2903 in July of 2016. Since that time, a Site Development Concept Plan has been approved and the Record Plat was approved by City Council on May 1st.



Figure 1: Site Photo

STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

The proposed structure is to be set back behind two rows of accessory parking, with additional parking along the rear of the building. The placement of the structure behind the parking is consistent with the Site Development Concept Plan, which provides a cross access easement along the front parking areas. This configuration serves to connect all 5 lots of the development and ensures a maximum of 2 curb cuts for this development (both off of Spirit Airpark West Drive). For reference, see the Site Development Concept Plan excerpt in Figure 2 below.

B. Circulation System and Access

Proposed access to the site would be from the shared curb cut off of Spirit Airpark West Drive that also provides direct access to Lot 1. A cross-access easement through the parking lot of each lot serves to create a loop between the two curb cuts and Spirit Airpark West Drive, permitting access to all 5 lots within the development.

The Unified Development Code includes a number of specific requirements for commercial and industrial developments within the Chesterfield Valley. These requirements include utilizing architectural elements from the front façade on the side and rear of the structure and screening trash enclosures which are to be constructed with materials consistent to the building. With the current proposal, the applicant provides a 360-degree architecture, integrating consistent materials on all four sides of the building and the trash enclosure alike.

Additionally, the applicant is providing a sidewalk along Spirit Airpark West Drive as shown on the Site Development Concept Plan excerpt in Figure 2 below.

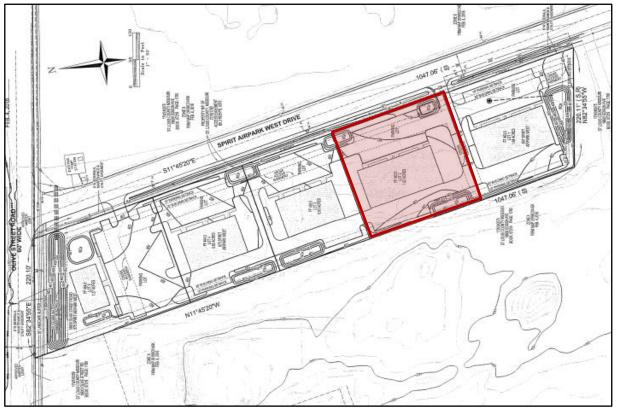


Figure 2: Site Development Concept Plan Excerpt

C. Topography & Retaining Walls

The subject site is relatively flat and the applicant does not propose significant grade alterations or retaining walls.

General Requirements for Building Design:

A. Scale, Design, Materials and Color

The proposed one-story structure is consistent in height and scale with other stand-alone buildings in the area, and matches the architecture of the building proposed on the adjacent Lot 1 which was before this board in April. The main entry to the building is provided on the eastern elevation near the proposed parking. The applicant is proposing four entry points along the front façade, two of which are on the articulated end caps of the building. Additionally, the eastern (front) elevation is further broken down by details such as glazing bars, columns, and canopies, all of various materials. Additional design themes on the frontages have been carried onto the side elevations as desired for structures within the Chesterfield Valley. Mechanical equipment is planned to be located along the northwestern and southwestern elevations and will be screened by brick walls and cast stone tops which are consistent with the building design.

Materials planned for this proposal include brick, EIFS, cast stone, and aluminum. Material samples will be made available for the Board's consideration at the meeting.

B. Landscape Design and Screening

Landscaping is planned in association with the proposed development as required by the City of Chesterfield. The landscape design provides a variety of deciduous and evergreen trees along Spirit Airpark West Drive and near parking areas. Additionally, low-maintenance and pollinator species have been integrated to ensure a variety of seasonal color and texture is present throughout the site.

The trash enclosure and screened mechanical equipment area are to be constructed of the same material and color proposed for the main structure. As previously mentioned, this is a design element which is required for development within the Chesterfield Valley.

In conjunction with the review of Lot 1, the Architectural Review Board discussed the possibility of provided landscaping around the proposed trash enclosure; however, the location of the enclosure against the property line made that very difficult. With this in mind, the applicant has placed some vegetation on the north side of the abutting trash enclosures for Lots 1 and 2.

C. Signage

Signage will be approved by a separate City process. However, the proposed locations of monument signs are required to be shown on the site plan. No monument signs are being proposed at this time, and the applicant has been advised that any future monument signs may require an amended site development section plan.

D. Lighting

The proposed lighting for this development consists of three (3) light standards within the front parking field, one (1) light standard along the southern drive aisle, and ten (10) wall mounted lighting fixtures. No accent lighting is proposed for this building.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design. Be advised that 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.

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 18600 Olive Street Road, Lot 2, 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 18600 Olive Street Road, Lot 2, to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal



RECEIVED

MAY - 1 2017

Cliv of Cheaterfield Decidated of Public Services

ARCHITECTURAL REVIEW BOARD Project Statistics and Checklist

		eceived from the City of Chesterfield	
Project '	Title:	2) Location: 657 Spirit	Airpark West Drive
Develop	per:Kurt Odle	_Architect:I	Engineer: Volz
PROJEC	CT STATISTICS:		
Size of	site (in acres):	Total Square Footage: 10,048 sf	Building Height: 31' (to roof ridge)
Propose	Ad Usage. Service building		
Exterior	· Building Materials:	EIFS, cast stone, aluminum fascia soffit & s	storefront system
D C M	Architectura	al shingles	
ROOI IVIA	HVA	AC units: 6' h. Brick wall with cast stone ca	p. Trash: 6' h. brick w/ aluminum cap
Screeni	ng Material & Design:	ly significant features (if any):	refer to the Architectural Design
		ly significant features (if any):	
Stateme	nt.		
ADDITIO	ONAL PROJECT INFORMA	ATION:	
	st: Items to be provided in		
Cneckii		tours, site location map, and identifi	cation of adiacent uses.
	Color elevations for all b		
		el reflecting proposed topography.	
	-	ws of adjacent uses and sites.	
	Details of screening, retails		
	Section plans highlighting	ng any building off-sets, etc. (as app	licable)
		Design which clearly identifies how I the intent of the project.	each section in the Standards
	Landscape Plan.		
		any proposed building lighting fixtur	
	•	samples. (to be brought to the ARB ı	
	•	h would aid understanding of the de	sign proposal. (as applicable)
	Pdf files of each docum	ent required.	



April 24, 2017

Architectural Review Board City of Chesterfield Department of Planning 690 Chesterfield Parkway West Chesterfield, MO 63017-0760

Architect's Statement Re:

Airpark Centre (Building 2)

Dear members of the Architectural Review Board, The following is the Architect's Statement for the Airpark Centre (Building 2), located at 657 Spirit Airpark West Drive.

The Site:

Physical features and Access:

The 1.02 acre project site will contain a one story, 10,000 square foot service building. The site is adjacent to a 1.06 acre undeveloped site (located to the south of the project). Both sites will share a single entry drive off of Spirit Airpark West Drive. The site has a very gentle slope from north to south and will contain a detention pond on the south side of the property. The adjacent properties are all undeveloped with very few trees or shrubs.

Site Relationship & Circulation:

The site which is accessed off of Spirit Airpark West Drive, contains parking in the front and the rear of the building but will be screened from the street, adjacent neighbors, and the building with layers of landscape buffers. Mechanical equipment will be located on the 2 side elevations of the building but will be screened with a 6' high brick wall with cast stone cap that naturally extrudes from the brick/cast stone walls of the building. The trash dumpster will also be screened with a similarly designed brick wall with stained wood swinging gates, which tucks in quietly at the rear of the property. The type and location of site and building lighting fixtures were designed to reduce excess glare into the neighboring properties. Many of the fixtures are indirect fixtures and will be located within the entry alcoves or back from the main face of the building, which allows the mass of the building to shield the glare from the side neighboring properties.

Topography & Retaining walls:

The natural topography is relatively level and will not require any retaining walls. The storm water management systems includes a bio-retention basin to handle water quality, and will be approved by the City and MSD.

The Building:

Materials:

The materials on the building include one color of brick, accent bands of light colored cast stone trim, one light color of EIFS, darker architectural shingles, clear aluminum storefront window and door frames with bluish gray tinted glazing. Light colored aluminum gutters, downspouts and entry canopies will complement the light colored EIFS and cast stone.

Scale & Design:

The one story building is appropriately scaled to the few buildings that are near the area, and matches the architecture of the building that is proposed to be built to the south of the site. In order to break down the scale of the building, taller masonry entry masses were created at the 2 front corners. The building is further broken down to a human scale with simple lower horizontal entry canopies that are integrated with the recessed entries or brick and cast stone pilaster entries. Lastly, a light colored cast stone trim was used as a linear thread that weaves throughout the building and acts as a unifying element that further breaks down the masses, forms an edge between the masonry (foreground mass) and EIFS (background mass), and ties all of the building elements together.

Landscape design and screening:

The required number of trees has been provided and, along the street frontage, have been located to provide shade at strategic points while also allowing "view corridors" into the site. Landscaping is also added to the buildings to buffer the spaces between this and the adjacent building.

The plant palette, designed for low maintenance, has been selected from Chesterfield's list of approved trees. The chosen plants also provide pollinators (especially at the bio-retention pond) and seasonal color & texture throughout the site.

Signage:

The signage shall be secondary to the architectural design, in order to not distract from the building architecture. Signage shall be designated in the area directly above the entry canopies. Address signage shall consist of individual aluminum numbers mounted directly to the top edge of the entry canopies.

Lighting standards:

The parking areas will be illuminated by full cutoff, low profile, LED roadway fixtures and equipped with house side shields where located at property lines to minimize glare and light trespass. Total fixture height is 18'-0" above finished grade. Building entries will incorporate a combination of full cutoff, low profile, LED surface mounted accent fixtures and recessed LED can lighting. Service bays will incorporate full cutoff, low profile, LED surface mounted accent fixtures. Foot candles at parking and drive areas are 0.5 minimum and 3.4 average. Maximum foot candles at the property lines are at 0.4 or below with most areas at 0.0. Average foot candles at all building entries are above 5.0.

Sincerely, mw Weber Archite

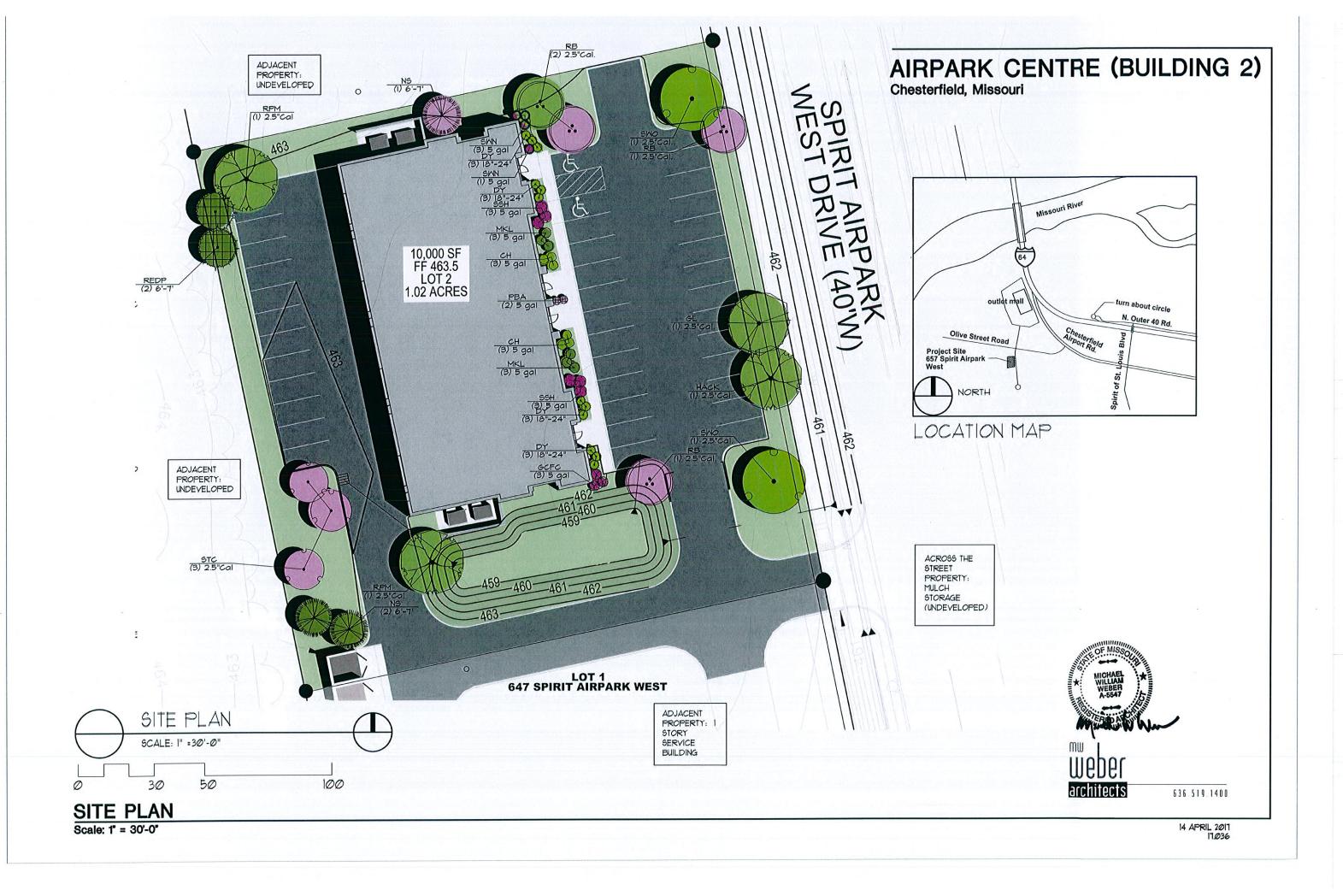
chael J. Reardon Project Manager

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Weder architects

636.519.1400



AIRPARK CENTRE (BUILDING 2)

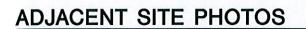
Chesterfield, Missouri



VIEW LOOKING NORTH (TOWARDS OLIVE STREET RD.)



VIEW LOOKING SOUTH (TOWARDS SPIRIT AIRPORT)





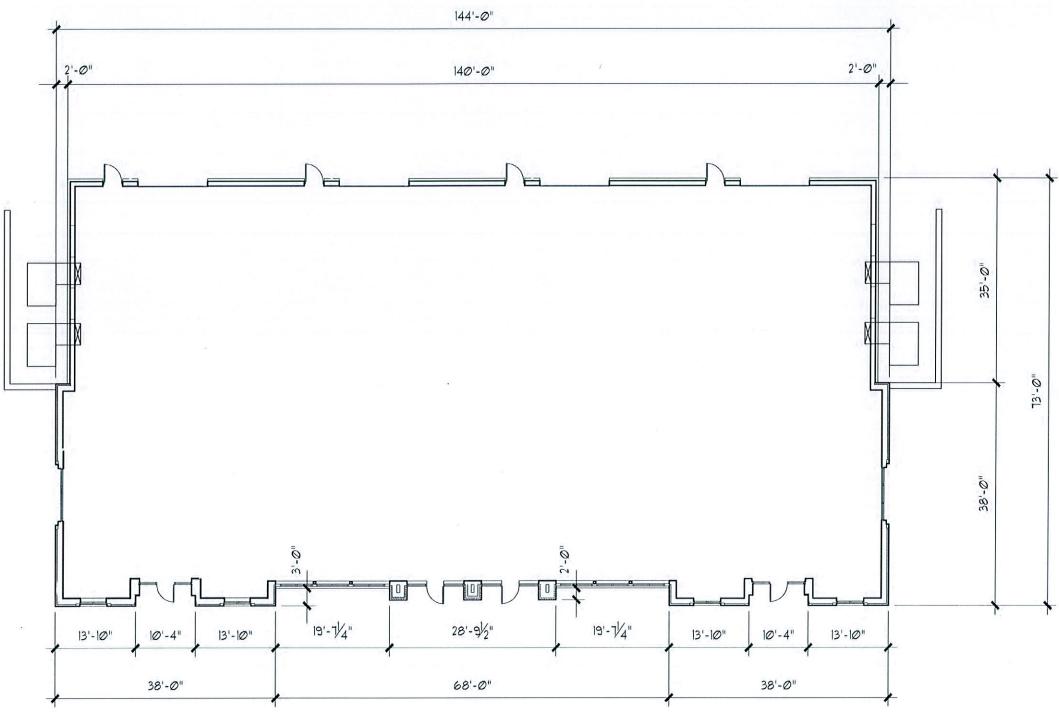
VIEW LOOKING EAST (ACROSS SPIRIT AIRPARK WEST DRIVE)



VIEW LOOKING WEST



636.519.1400



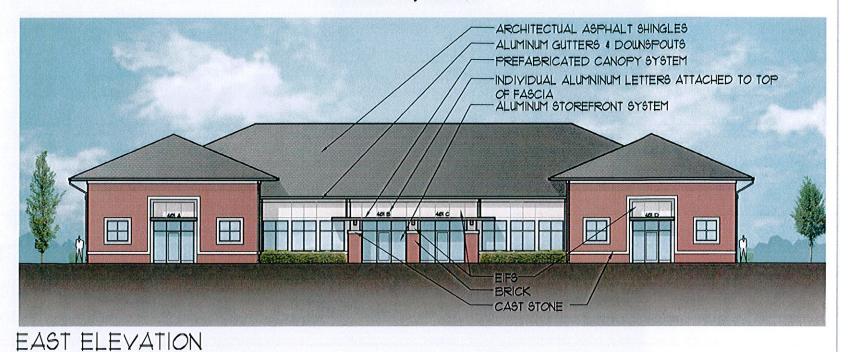


webe architect

636.519.1400



SOUTH ELEVATION

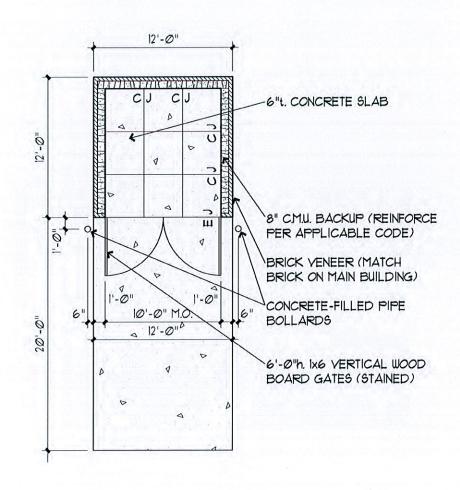


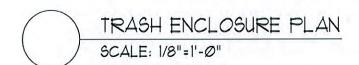


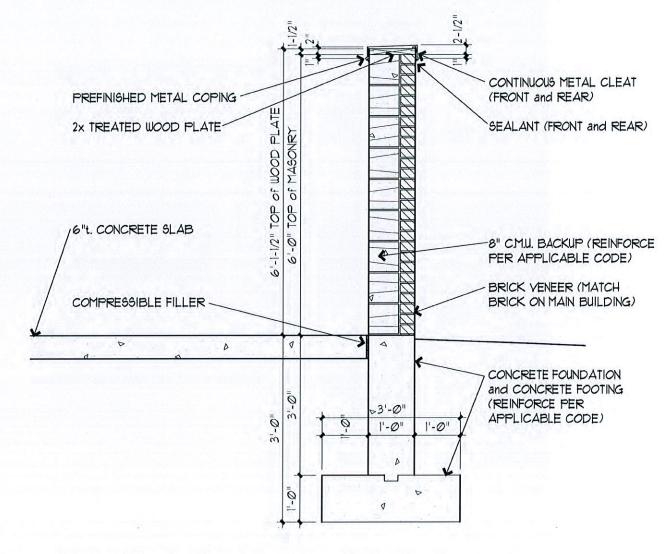
WEST ELEVATION

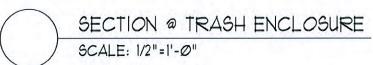
EXTERIOR ELEVATIONS Scale: 1" = 20'-0"



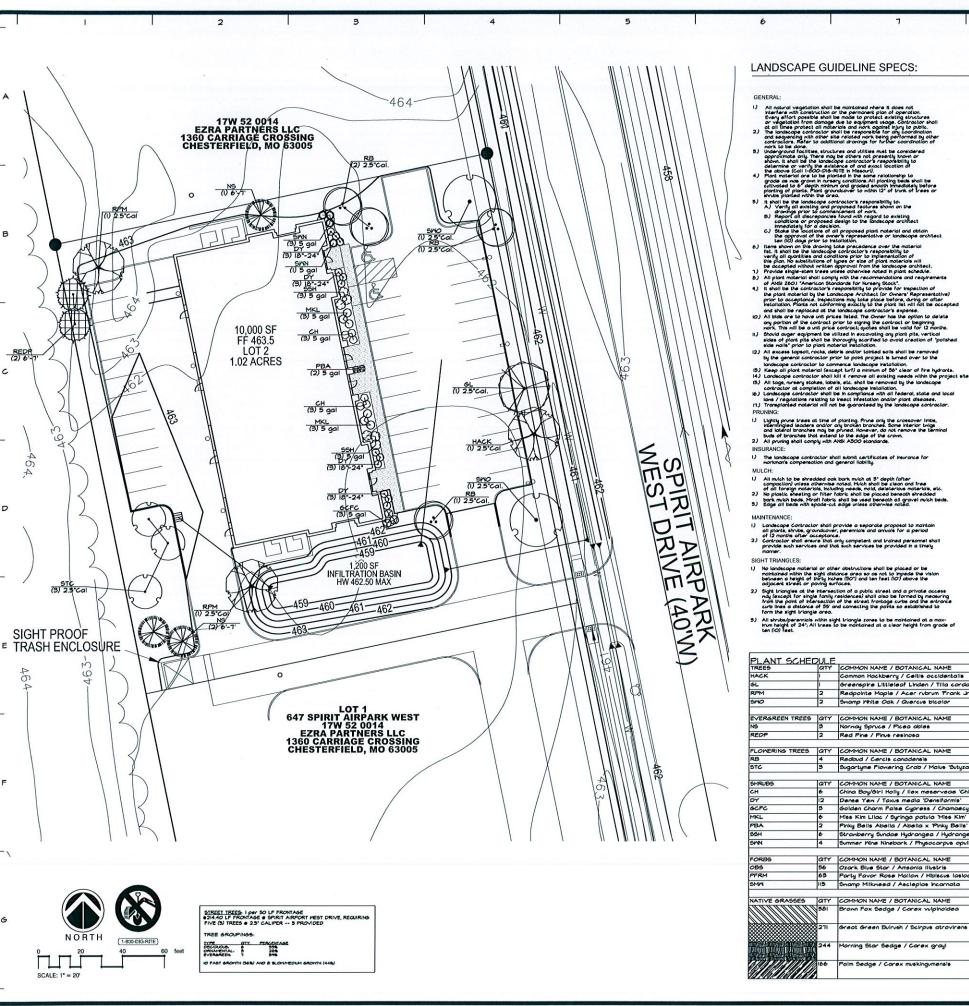












LANDSCAPE GUIDELINE SPECS:

- by the general contractor prior to point project is turned over to the landscape contractor to commerce landscape installation.

 3) Keep all plant material (except turl) a minimum of \$6* clear of fire hydrosts.

 4) Landscape contractor shall kill it remove all existing needs within the project site.

 15) All tags, nursery states, tabels, st.c. shall be removed by the landscape contractor of completion of all landscape installation.

 (b) Landscape contractor shall be in compliance with all federal, state and local loars / registations reaction for installation.

 17) Transplanted material will not be guaranteed by the landscape contractor.

 DININING:
- Lightly prune trees at time of planting. Prune only the crossover limbs, indemntigled leaders and/or any brothen branches. Some sterior lurge and lateral branches may be pruned, fromers, do not remove the terminal took of branches that extend to the edge of the crown.

 All pruning shall comply lift ANSI ASOO schadorus.
- The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

- NII mulch to be shredded ook bork mulch at 3° depth (ofter compaction) unless otherwise noted. All this hottle oction and free compaction with the control of the control of
- Londscape Contractor shall provide a separate proposal to maritain all plants, shirtes, groundcover, peremitals and amusis for a period of 12 months other acceptances, competent and trained personnel shall provide such services and that such services be provided in a timely morner.
- SIGNI INDIVIDUES:
 3 No indiscope moterial or other obstructions shall be placed or be monitorized within the sight distance area so as not to impade the vision between a height of thirty larce (50°) and len feet (50°) and be vision between a height of thirty larce (50°) and len feet (50°) and one feet (50°
- All shrubs/perennials nithin sight triongle zones to be maintained at a max-imm height of 24"; All trees to be maintained at a clear height from grade of ten (O) test

- TOPSOIL:

 1) Topsoil mix for all proposed landscape plantings shall be five (b) poots nell-droited scaeened organic plantings shall be five (b) poots nell-droited scaeened organic planting and (l) exchinity poots nell-droited scaeened organic planting that is possible to pool in the depth of b' minimum and grade smooth.

 2) Provide a soil analysis, or expensed and code by an independent soil-testing agency actining the biol droite by an independent soil-testing agency and integration of the droite planting the pool testing the planting to pool used shall be five all process, storps, needs, bright bops of the droite before cortication and the high responsible for correcting all negative soil tesses prior to plant installation for correcting all negative soil tesses prior to plant installation brackscape contractor or part of this last, as proposable in the cortication and before application of shreadded bank mich.

 2) Ireatical station controls prior to pool pre-energent harbicities to all planting beds your completion of planting operations and before application of shreadded bank mich.

 3) Ireatical station controls prior to commencement of any grading operations, beginning the stations and th

- Provide states and deadmen of sound, ren hardnood, free of knotholes and defects.
 Tree more tape shall be 4' minimum, designed to prevent borer demage and initiar freezing. Additionally only 8-ply tying moterial shall be read.
- TURE:

 1) All delarbad form preces to be seeded with a mixture of the flavor beares (Boots per acres) and bisegrate (Ber per acres). Low resease the per acres), Low areas bettle to excend the segrate (Ber per acres), Low areas bettle to excend though referred for a period of 100 days from date of that acceptance. Bare preces more than one square foots per any 50 expers feets shall grades, restore and report only encounter on order damage and additionable of the seasons of the period of the restore and report on a consistency of the seasons of the seasons

EROSION CONTROL BLANKET (Where applicable):

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PLUG PLANTING NOTES:

- PLUS PLANTING NOTES:

 1) All plags to be 4-1/2" deep X 3" diameter minimum.

 2) Plags are to be plonted in a hole day with a brown, spade or planting for such that the hole is of a minimum diameter and depth to accommodate the plag and its roots, without damage.

 3) Plags shall be spaced in a bringuished supul approximately 24" on center. Plags shall be planted through errosion central biometer share appropriate.

 4) Obtion plags from a repubble inversery.

 3) Plater plags from a repubble inversery.

 3) Plater plags planting and planting of broad soil is moist but not sourced. If the plags is the plags is the planting of the contract of decaying store plags in the country of the planting of th
- WARKMATY:

 1) All plant material (excluding ground cover, peremials and annuls) are to be nonrotted for a period of 12 months ofter complete installation of all landscape notarial of 100% of the installed price.

 2) Any plant material found to be defective shall be removed and replaced nithin 50 days of notification or in growth season determined to be best for that plant.

- biot plorit.
 Only one replacement per tree or shrib shall be required at the end of the normally period, intese lose is due to failure to comply with the normally period, while the failure to comply with the control of the failure the failure the failure that the control of the failure the failure that the control of the failure that the control of the failure that the control of the failure that the failure that the failure that the control of the failure that the fai

MISCELLANEOUS:

All landscape areas it islands shall be be provided with a neutronical undergoned trigation egitem for others). Coordinate landscaping with trigation controllar. Adjast tree locations for light standards and underground villities. No trees or other obstructions shall be located within 6°-0° of fire hydrants.

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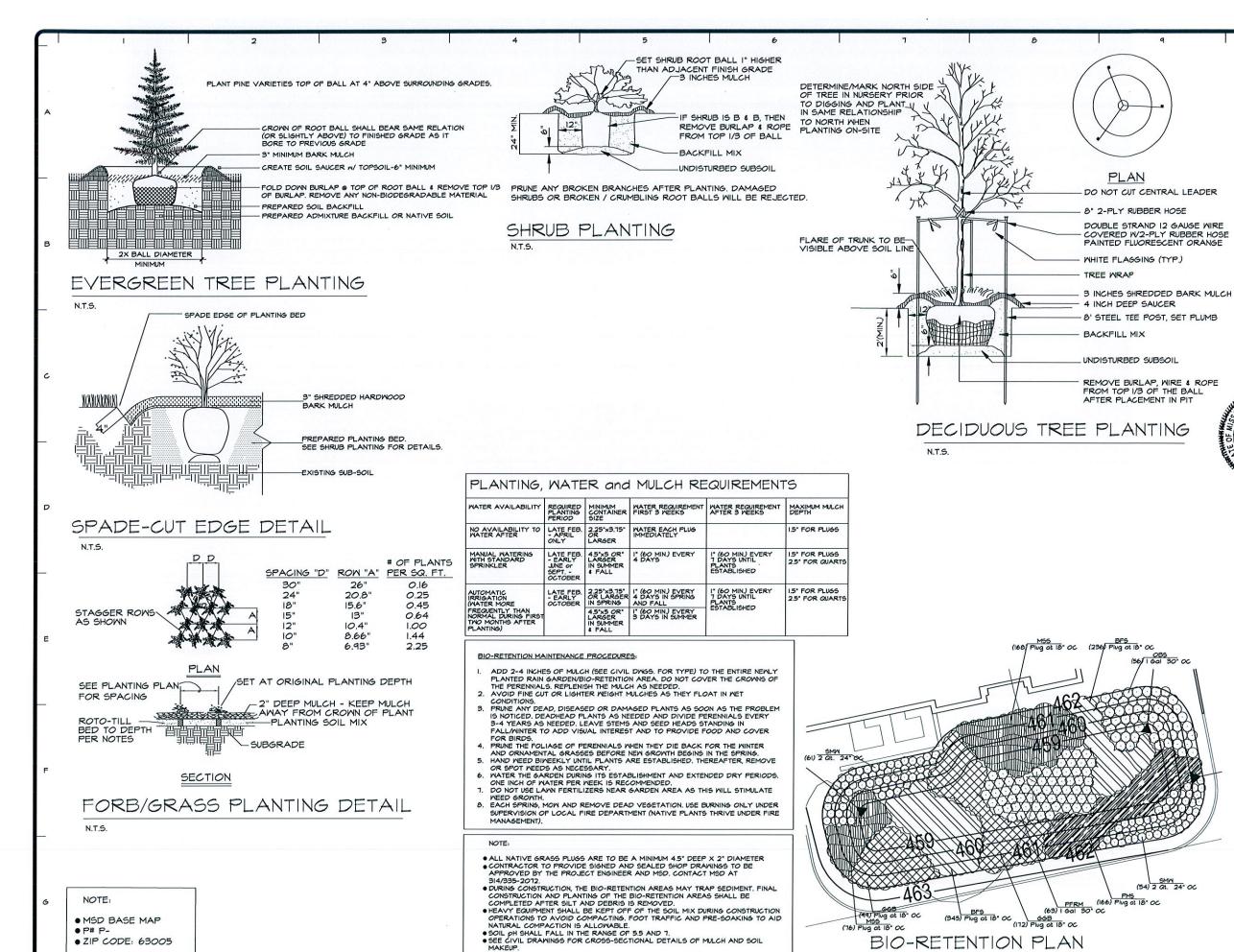
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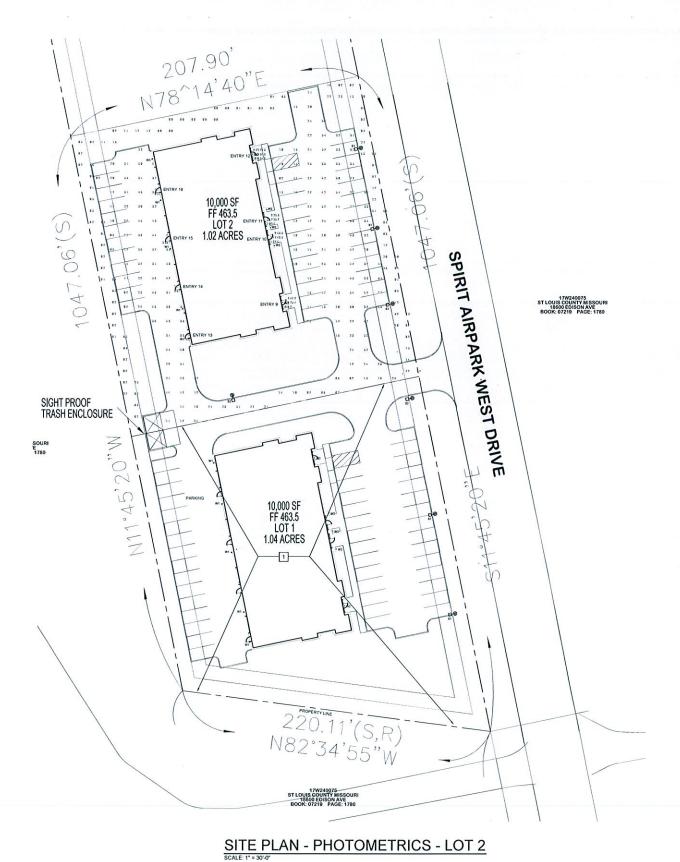
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BIO-RETENTION PLAN

SCALE: |"=10'-0"



Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Mounting Height	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
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0	W2	10	EATON - LUMARK (FORMER COOPER LIGHTING)	XTOR18-W	CROSSTOUR 12WWALL MOUNT LED	7-6	1	XTOR1B-Wies	1395.79	0.95	12.2
0	ws	1	EATON - McGRAW- EDISON (FORMER COOPER LIGHTING)	GWGAF-01-LED-E1-T4FT	GALLEON WALL LUMINAIRE (1) 70 CR. 4000K. 1050M. ALT SOULARE WITH 15 LIDE BACH AND TYPE IV WITH 15 LIDE BACH AND TYPE IV Industrial, Landscape, Library, Office, Parine, Parks, Pathway, Pedestrian, Prison, Recreation, Security, Corrosion Resistant, Vandal Resistant, West coalson AND ALM BRAYTON FACTORS CORPATED USING LIBRARY CORPATED USING LIBRARY STANDARDS IN GONDON-TOWETE WITH TEST INSTANCE OF 28 TS	13-6*	16	GWC-AF-01-LED-E1- -14-FT lies	396 8694	0.95	59

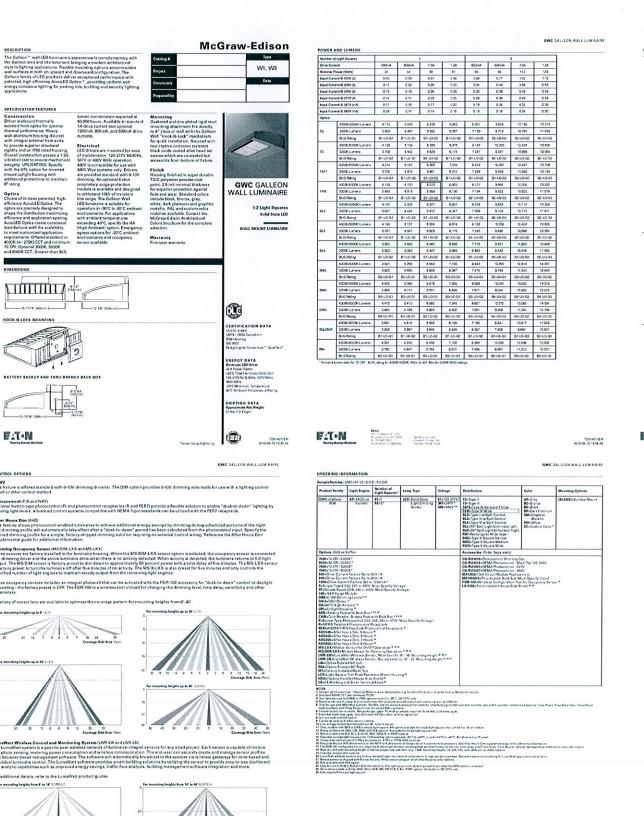
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Entry 9	+	8.6 fc	13.1 fc	4.7 fc	2.8.1	1.8.1	0.7:1
Entry 10	+	6.3 fc	9.6 fc	1.5 fc	6.4.1	4.2.1	0.7.1
Entry 11	+	6.1 fc	9.6 fc	1.0 fc	9.6:1	6.1.1	0.6.1
Entry 12	+	8.1 fc	13.1 fc	4.5 fc	2.9.1	1.8.1	0.6.1
Entry 13	+	6.0 fc	6.2 fc	5.8 fc	1.1.1	1.0.1	1.0.1
Entry 14	+	5.2 fc	5.5 fc	5.0 fc	1.1.1	1.0.1	0.9.1
Entry 15	+	5.0 fc	5.1 fc	4.9 fc	1.0.1	1.0.1	1.0.1
Entry 16	+	5.0 fc	5.2 fc	4.6 fc	1.1.1	1.1:1	1.0.1
Inside Property Line	+	0.8 fc	5.1 fc	0.0 fc	N/A	N/A	0.2.1
Parking & Roadway	(4)	3.4 fc	7.7 fc	0.5 fc	15.4.1	6.8.1	0.41

■ PLAN NOTES - POWER & SYSTEMS

1. LOT 1 SUBMITTED UNDER SEPARATE DRAWINGS DATED 1/13/2017.

G&W AIRPARK CENTRE (BUILDING 2)
(SPIRIT SERVICE CENTER - LOT 2)
647 Spirit Airpark West Drive
Chesterfield, Missouri 63005

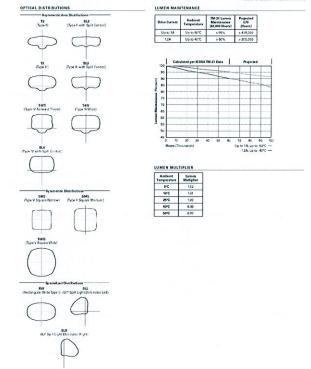
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REVISIONS	
Lighting Revisio	n 04-27-2017
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ESCRIPTION

The patented Lumack Crosstoor - LED Wall Pack Series of huminaries provises an arbitratural stayle with super bright, energy efficient LED. The patented Lumack Crosstoor - LED Wall Pack Series of huminaries provises an arbitratural stayle with super bright, energy efficient LED. The patented Lumack Crosstoor - LED Wall Pack Series of huminaries provises an arbitratural stayle with super bright, energy efficient LED. The patented Lumack Crosstoor - LED Wall Pack Series of huminaries provises and arbitratural stayle with super bright, energy efficient LED. The control of the patent LED design with register of the patent LED design with register one-pixes, efficient, especial LED design with register of the patent LED design with register one-pixes, efficient stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small and modum length The artificial stayle incorporate both a small stayle incorporate both and the artificial stayle incorporate both a small stayle with a specifical stayle incorporate both a small stayle with a small stayle with a small stayle incorporate both a small stayle with a specifical stayle provided to the small stayle with a specifical stayle provided to the small stayle with a specific stayle and the stayle provided to the small stayle with a specific stayle stayle provided to the small stayle with a specific stayle stayle provided to the stayle provided to the stayle provided t

UMEN	S - CRI/C	CT TAB	LE								LUMEN MAI		ROSSTOUR LE
LED Iris	n rdso		XTOR18	XTOR18-W	XTOR28	XTOR26-W	XTORXE	XTORIE-W	XTOR48	XTOR46-W	Ambient	TM-21 Luman	Theoretical L70
Delivered (Class Mo	Lumens		1,415	1,296	2,135	2,103	2.751	2.710	4,266	4,201	Temperature	(72,000 Hours)	(Hours)
Delivered	Lumens od Arsesson		1.005	930	1.05	1.02	2.009	2.008	2.106	2.121	XTOR18 Mode		
BUG R		-	11-09-00	\$1405-Sc	8140-G0	B1/Jn/Gr	BIAINGO	B14.0.G0	Ballo-Go	8240-02	25%	× 90%	255,000
OCT (Ke)		-	\$.000	4.000	\$.000	4.000	5.000	4,000	8 300	4,000	40°C	> 89%	234,000
	Rendering I		20	20	79	70	79	70	70	72	50°C	>86%	215,000
	exenstice !	-	1200	1200	189	IDW	2007	209	28W	298'	X10928 Mode	Κ	
				m ner argen to 5		1 100					25*0	> 89%	740,000
											40*0	+ 88%	212,000
											50*0	> 87%	196,000
URRE	T DRAW				23						X TORSB Mode		
_		-	lel Series		7						25°C	> 81%	240,000
Voltage	X TOR 18	XTOR2		s xtones	-						4010	> 68%	212,000
120V	C 103A	0.15A	0 22A								52*0	> 87%	156,000
-601	O DELIA	DOSA	0 11A	_	+						XTORES Mode	li.	
		USEA	0.132	-	-						2640	+ 88%	272.000
2089	20024												
208V 240V 277V	0.053A 0.048A	0 08A	0 11 A	0.17A	-						ent	> 97%	198,000



AIRPARK CENTRE (BUILDING 2)
(SPIRIT SERVICE CENTER - LOT 2)
647 Spirit Airpark West Drive
Chesterfield, Missouri 63005

G&W

	-2017
REVISIONS	
Lighting Revision	04-27-2017
JOB NO:	2017-0018.00
DRAWN BY:	AWL
CHECKED BY:	KSG
DATE:	04-11-2017
SHEET NO.	

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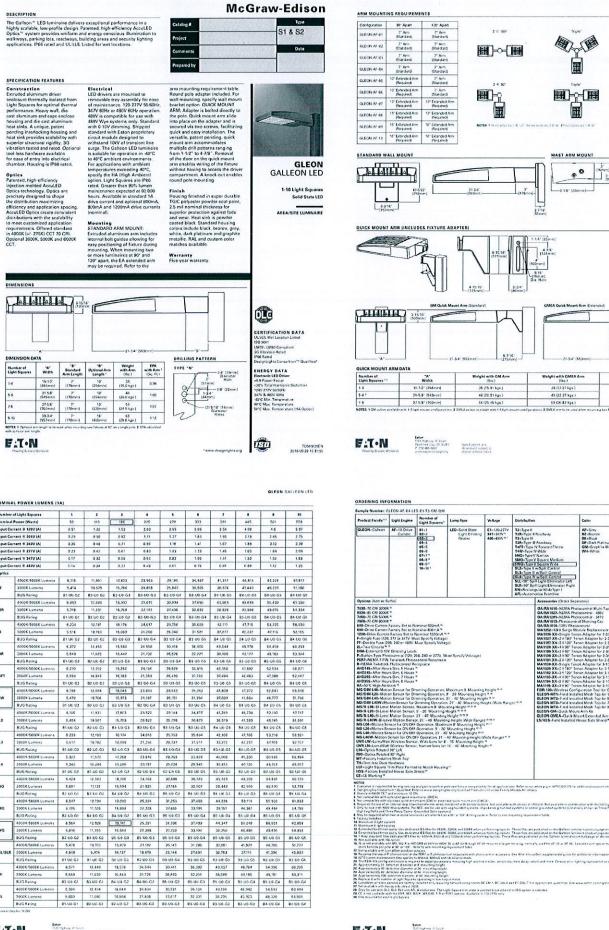
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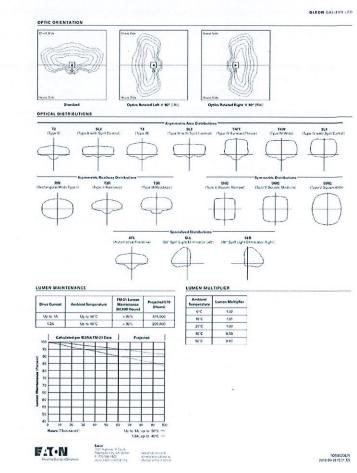
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> 7 AIRPARK CENTRE (BUILDING (SPIRIT SERVICE CENTER - LOT 2 647 Spirt Airpark West Drive Chesterfield, Missouri 63005

EVISIONS Lighting Revision 04-27-2017 JOB NO: DRAWN BY: AWI CHECKED BY: KSG DATE: 04-11-2017 SHEET NO. E1.2 LIGHT FIXTURE SPECIFICATIONS