

V. C.



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Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: June 13, 2019

From: Chris Dietz, Planner

Location: North of Chesterfield Airport Road and northeast of its intersection with Spirit 40 Park Drive and northwest of its intersection with North Goddard Avenue, along Interstate 64.

Applicant: mw Weber Architects

Description: **Mark Andy Industrial Park, Lots A and B (64 Corporate Center) SDSP:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 10.24 acre tract of land zoned "PI"—*Planned Industrial District* located north of Chesterfield Airport Road and northeast of its intersection with Spirit 40 Park Drive and northwest of its intersection with North Goddard Avenue, along Interstate 64. (17V510270).

PROPOSAL SUMMARY

This request is for the development of Lot A of the Mark Andy Industrial Park, including a proposed 112,271 square-foot commercial/industrial building, as well as substantial landscaping and lighting improvements on the parking lot area on Lot B. The subject site is zoned "PI" Planned Industrial District and is governed under City of Chesterfield Ordinance 2437.

HISTORY OF SUBJECT SITE

In 1972, St. Louis County approved resolution 1961, which gave approval for a Preliminary Plan for a 23 acre tract zoned "FP M-3" Flood Plain Planned Industrial. The original building situated on Lot B predates incorporation of the City.

The property was rezoned to its current zoning designation of "PI" Planned Industrial in 2008 by the City of Chesterfield when the City approved ordinance 2437, which serves as the governing ordinance today. Currently, Lot A is mostly vacant with the exception of an existing parking lot and a small wetland area north of the parking lot. Figure 1 on the following page depicts an aerial of the subject site.

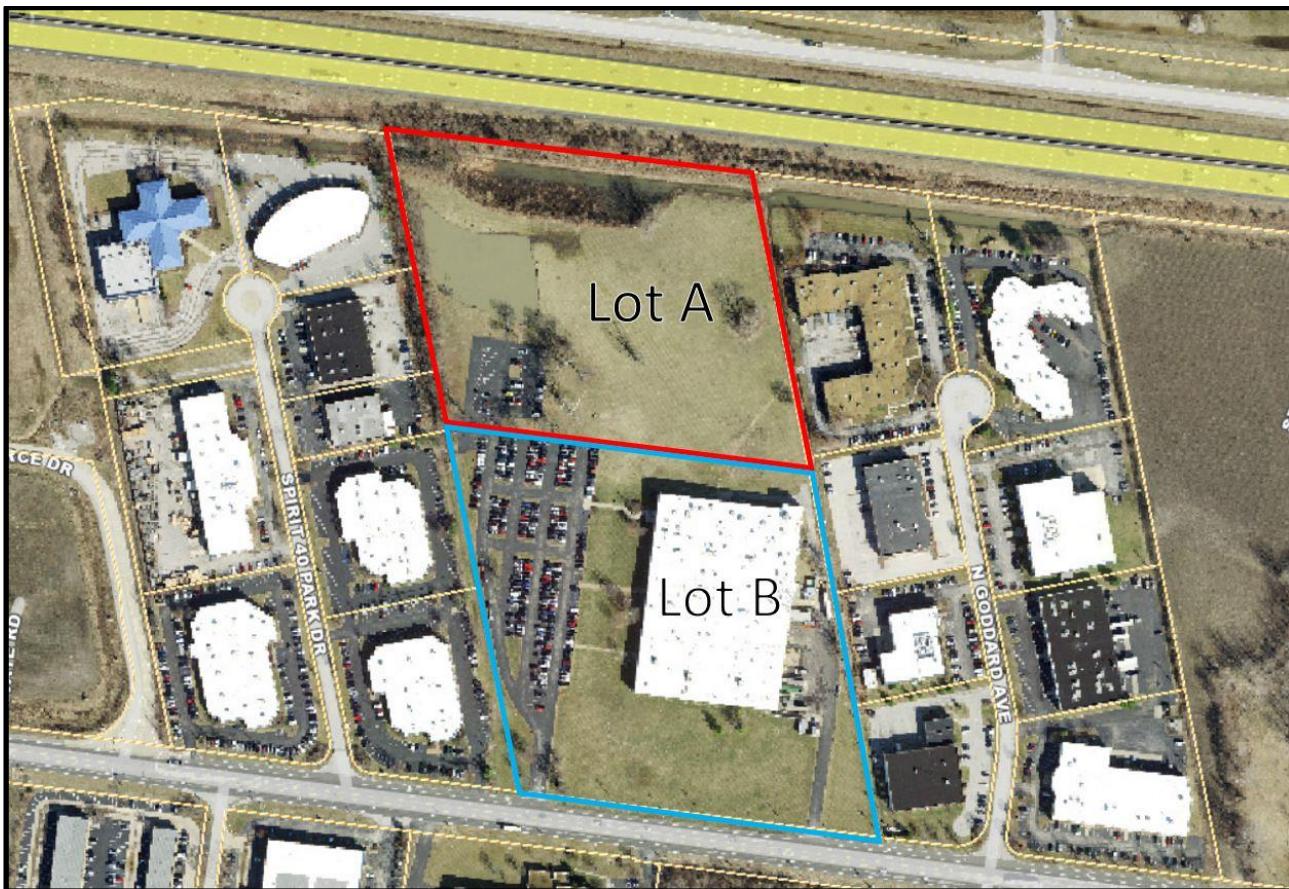


Figure 1: Mark Andy Industrial Park Subdivision

STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

The subject site is located along Chesterfield Airport Road. However, it is more visible from Interstate 64 than from Chesterfield Airport Rd as it is situated behind Lot B and is oriented in a parallel relation to the interstate. As such, the design of the building is meant to accentuate the straight-line speed and highway directional flow of traffic, with most of the featured architectural elements located on the north elevation of the building.

B. Circulation and Access

Although Lot B currently has two (2) dedicated entrances, Lot A will be served by the entrance to Chesterfield Airport Rd. on the southwest corner of Lot B, as well as a secondary entrance to the east through Lot B. Per Ordinance 2437, this entrance is to be improved with the development of Lot A. Additionally, a cross-access easement is proposed to the southeast of Lot A for potential access to the cul-de-sac of N. Goddard Ave. This fulfills a requirement set in the governing ordinance regarding circulation and access and can be seen on Figure 2 below.

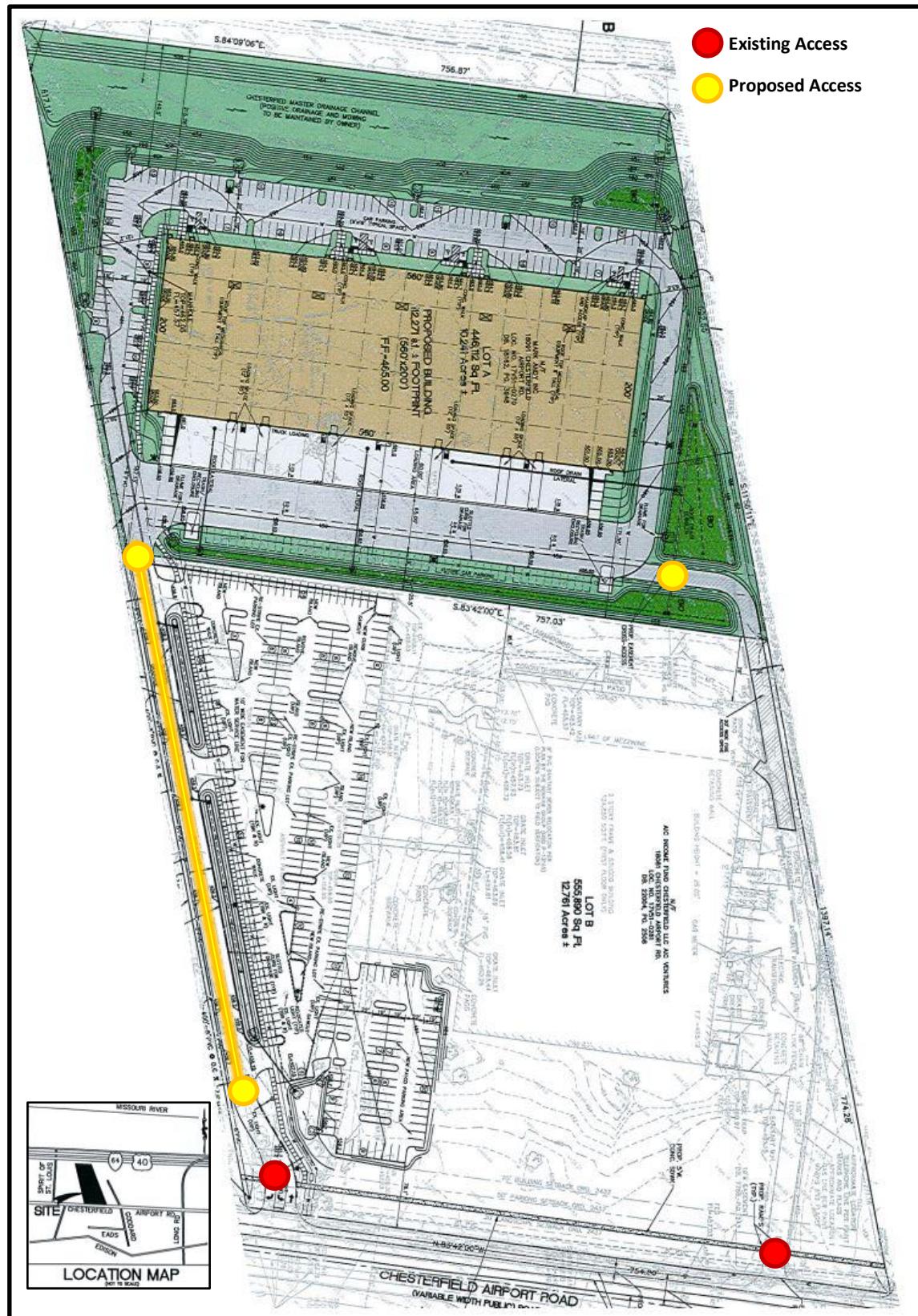


Figure 2: Color Site Development Section Plan Excerpt

Additionally, the proposed project also includes revisions to Lot B such as restriping, island relocation and a new proposed parking area southwest of the existing building.

C. Topography and Parking

The site is generally flat, ranging between 1-3' in elevation change across the property. The northern portion of the site is expected to be cut and filled to accommodate the building area, leaving an 80' wide flat-bottom drainage ditch as part of the Chesterfield Master Drainage Channel that runs along the northern edge of the property.

In accordance with the Chesterfield Valley Design Requirements, parking should be located "primarily to the side or rear of any building facade facing I-64/US 40 or along North Outer 40." Most of the 150 proposed parking spaces are primarily located on the northern side of the site at the front of the building, with a small portion of parking located on the south side of the proposed building and future potential parking to the south of the building. Accessible parking is located near the front entrance on the north side of the site. This parking lot design is consistent with adjacent industrial / office buildings.

General Requirements for Building Design:

All projects should address the following building requirements: Scale, Design, Materials, Colors, Landscape, Screening, and Lighting. This request is to allow for the development of a 112,271 square foot mixed-use building on Lot A.

A. Scale

The scale of the building is similar to that found on Lot B (124,000 sq. ft. footprint existing), but holds more modern aesthetic features facing I-64 and is roughly 13 feet taller than its Lot B counterpart. At its highest point, the building on Lot A will reach 39' above grade. While Lot A abuts I-64 to the north, there is significant green space separating the two, with commercial / industrial parks to the east and west of the property.

B. Design

The structure will be 31'-7" feet in height (top of gutter), with accent features reaching 39 feet in some areas along the north elevation and lesser parapets elsewhere reaching 36'-6" feet in height. The structure will contain office space, a showroom for retail purposes and a warehouse with Figures 3 and 4 below detail the north elevation of the proposed structure. Accent features along the north elevation accentuate the solid shape and color scheme of the long façade. The south elevation is characterized by its contiguous flat surfaces and mitigated by six (6) loading docks and employee entrances on the back of the building.

The main larger mass of the building accelerates forward as a nod to the adjacent highway's straight-line speed and direction. This solid, forward-moving horizontal mass rests on a base that is rhythmically punctuated with bands of glass. Counter-balancing the structure's fast-paced horizontal masses are the stable and sedentary brick entry masses which anchor and provide clarity to the building's organization. Simple horizontal entry canopies are integrated with the recessed

brick entry masses, with a light concrete band that weaves throughout the building, serving as a unifying element that forms an edge between the upper mass and the more human-scale lower mass.

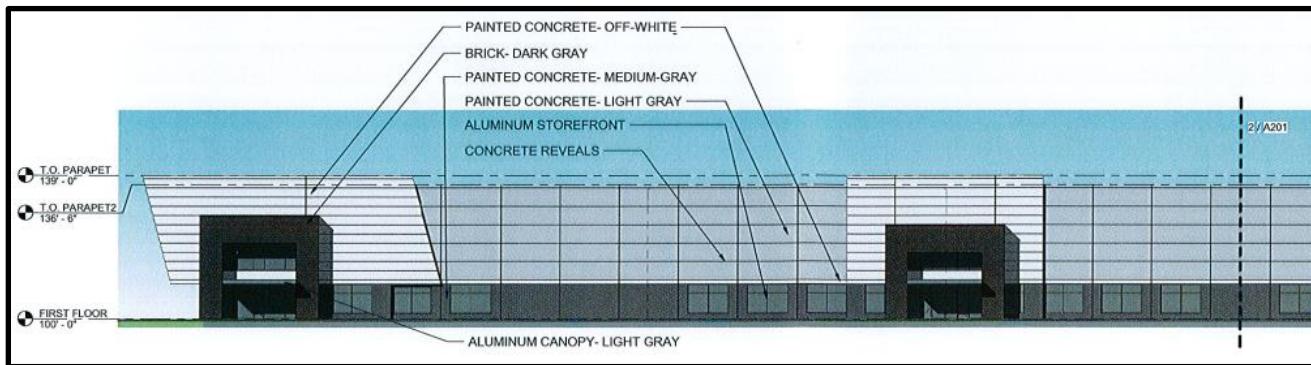


Figure 3: North Elevation facing I-64 – East Side

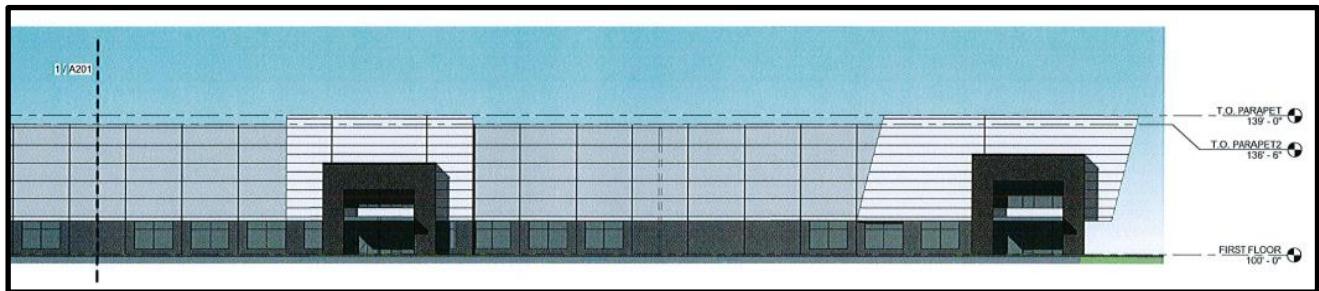


Figure 4: North Elevation facing I-64 – West Side

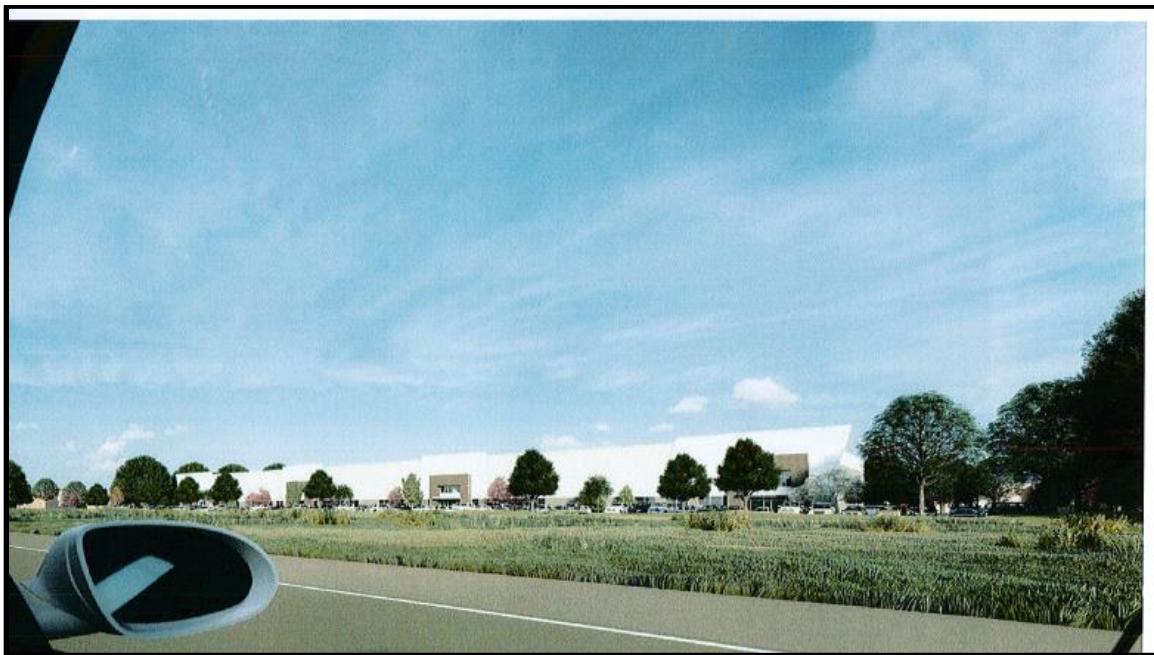


Figure 5: North Elevation as seen by vehicles traveling east on I-64.



Figure 6: South Elevation as seen by vehicles traveling west on Chesterfield Airport Rd.

C. Materials and Color

Materials on the building include brick entry masses, painted concrete panels with decorative reveals, aluminum storefront with clear glass, and color-matched prefinished aluminum canopies and flashings. The color scheme is composed of monochromatic shades of gray throughout the building, with darker gray present toward the base of the building and heavier brick entry masses, which also continue on the sides of the building. The upper two-thirds of the structure consists of lighter shades of off-white in order to accentuate the overall lightness in contrast to its darker base.

D. Landscape Design and Screening

Several different areas of landscaping are proposed in accordance with UDC regulations, including a landscape buffer that extends the length of the northern elevation along I-64 and congruent drainage basin. A primarily deciduous mix of trees embellishes the parking areas and points of entry, with evergreen species and lesser landscaping in ornamental arrangement around the perimeter of the building on Lot A. There is also adequate landscaping that provides partial screening of bio-retention areas located around the site.

The site development plan calls for two trash/recycling enclosures located at the rear of the building on the southern side of the loading area, which are adequately screened by 6'-0" concrete enclosures to be painted in order to match color scheme of the building, with stained cedar board gates on each. Roof-top equipment, which stand 6' in height, are currently planned to be screened by the natural recessed setback from the edge of the structure as well as by the combination of parapets ranging from 4'-11" above top-of-gutter to 7'-5" above top-of-gutter behind larger accent

facades. The landscape plan and screening study conducted for the rooftop equipment from all four elevations of the building is included in the packet materials.

E. Lighting

Lighting is planned in association with the proposed development as required by the City of Chesterfield. The Lighting plan includes: seventeen (17) roadside and parking area lighting fixtures; seven (7) of which line the entry along the southwest corner of the property on Lot B. Parking areas will be illuminated by full cutoff, low profile, LED roadway fixtures, equipped with vertical shields where located at property lines to minimize glare and light trespass. The proposed parking area on Lot B will also incorporate two (2) Back-to-Back free-standing parking light fixtures. Total fixture heights will be below 20'-0" above finished grade. Building entries will incorporate a combination of thirteen (13) full cutoff, low profile, recessed LED can lighting and wall washer fixtures to backlight the wall behind the entry masses, as well as nine (9) wall-illuminating fixtures that tilt upward at a 35 degree angle, designed to only project onto the building surface and not beyond.

Lights that are not fully shielded flat lensed fixtures will require separate approval from the Planning Commission. Please refer to the proposed lighting plan in the packet submittal materials.

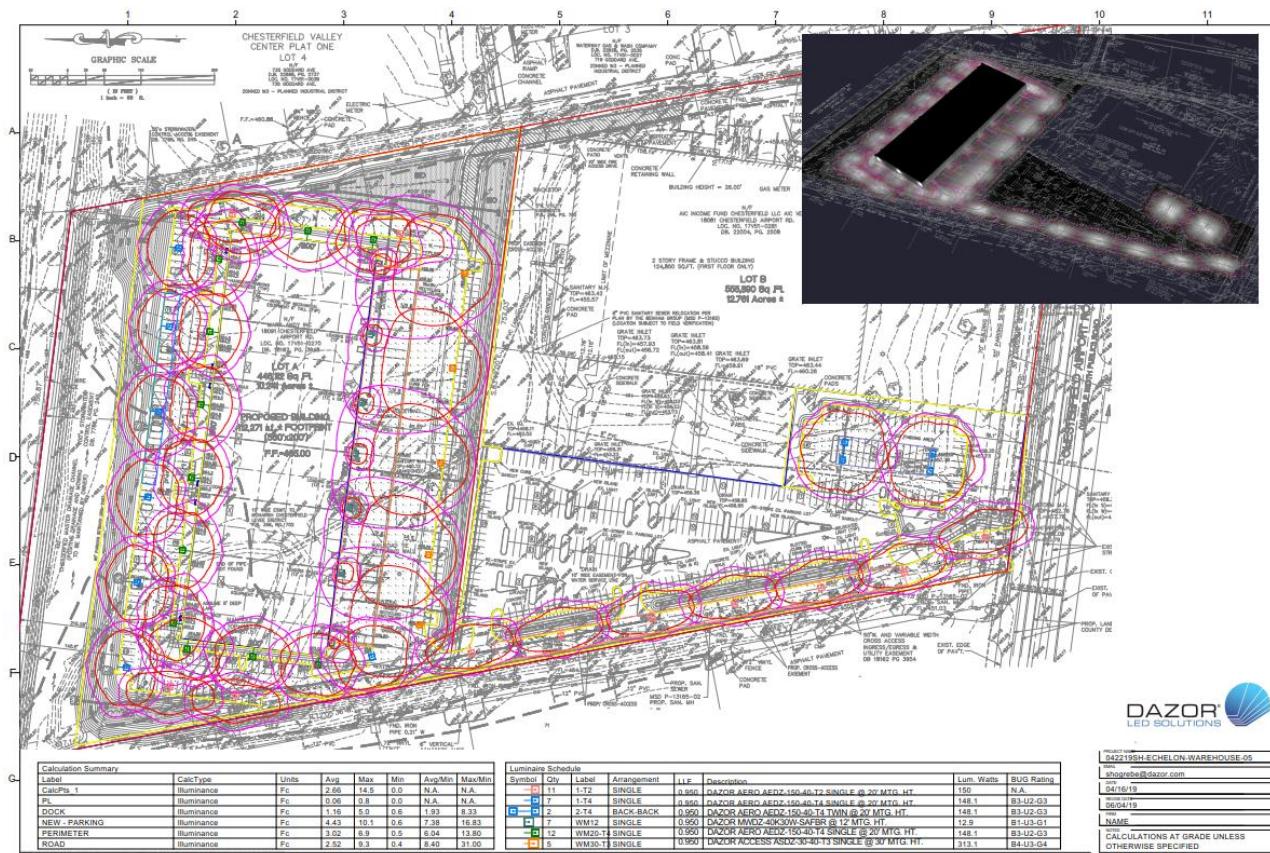


Figure 7: Lighting Plan

F. Signage

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

G. Exterior Rendering



Figure 8: Exterior Rendering, facing North Elevation

DEPARTMENT INPUT

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

Staff requests review and recommendation on this submittal for 18081 Chesterfield Airport Rd. (Mark Andy Industrial Park—Lot A).

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 Mark Andy Industrial Park, Lot A, 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 Mark Andy Industrial Park, Lot A to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal

June 5, 2019

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

**Re: Architect's Statement
64 Corporate Center**

Dear members of the Architectural Review Board,
The following is the Architect's Statement for the 64 Corporate Center, located at 18091
Chesterfield Airport Road.

The Site:

Physical features and Access:

The relatively level 10.2 acre project site will contain a one story, 112,271 square foot office building/warehouse. The site is adjacent to highway 64/40 to the north, a one story office building to the east (), a one story office to the south (Mark Andy Inc), and 3 one story office buildings to the west. The street entry will be off of Chesterfield parkway through a single entry drive shared with Mark Andy Inc.

Site Relationship & Circulation:

The building's main public entry and associated parking will be located on the north side of the building while the loading docks and service oriented functions will be located on the south side of the building with a loop drive that connects the entire site.

Green space buffers/detention will be located in multiple locations on the east, west, and north sides of the building. In addition, the trash dumpsters will be located on the building's south side and will be screened with a 6' high brick enclosure with stained wood swinging gates.

Mechanical equipment will all be mounted on the roof and will be screened from (highway) view naturally by the building's parapet (see attached site section).

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 brick entry masses, painted concrete panels with decorative

reveals, aluminum storefront with clear glass , and color-matched prefinished aluminum canopies and flashings. The color scheme is composed of monochromatic shades of gray. The darker grays occur at the lower third of building (base) and heavier brick entry masses (which also continue at the sides of the building). The colors at the upper 2 thirds of the building (including the cantilevered sail) are lighter shades of off-white in order to accentuate its lightness, which is in contrast to the heavy base.

Scale & Design:

Nestled into the site, the building is appropriately scaled on 3 sides by the quiet neighboring one story office buildings. In contrast, the most visible and longest side of the building faces the loud and fast moving highway 40. The main larger mass of the building accelerates forward as a nod to the adjacent highways straight-line speed and direction. This solid, forward-moving horizontal mass rests on a base that is rhythmically punctuated with bands of glass. Counter-balancing the structure's fast paced horizontal masses are the stable and sedentary brick entry masses which anchor and provide clarity to the buildings organization. The building is further broken down to a human scale with simple horizontal entry canopies that are integrated with the recessed brick entry masses. Lastly, a light concrete horizontal band was used as a linear thread that weaves throughout the building and acts as a unifying element that forms an edge between the upper mass and the more humane lower mass.

Landscape design and screening:

The required number of trees have been provided and landscaping is also added to the building to provide a buffer between the adjacent buildings.

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. Flowering trees will be used at the entries and will contrast the monochromatic building color scheme.

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 near 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 heights will be below 20'-0"1901 above finished grade. Building entries will incorporate a combination of full cutoff, low profile, recessed LED can lighting and wall washer fixtures to backlight the wall behind the entry masses. 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 Architects

Michael J. Reardon

Mark Andy Industrial Park, Lot A

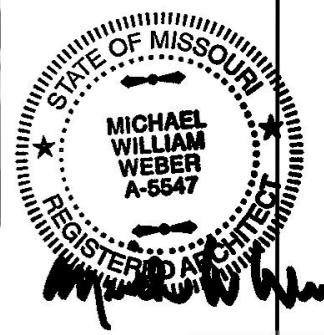
18091 CHESTERFIELD AIRPORT RD.
CHESTERFIELD, MO

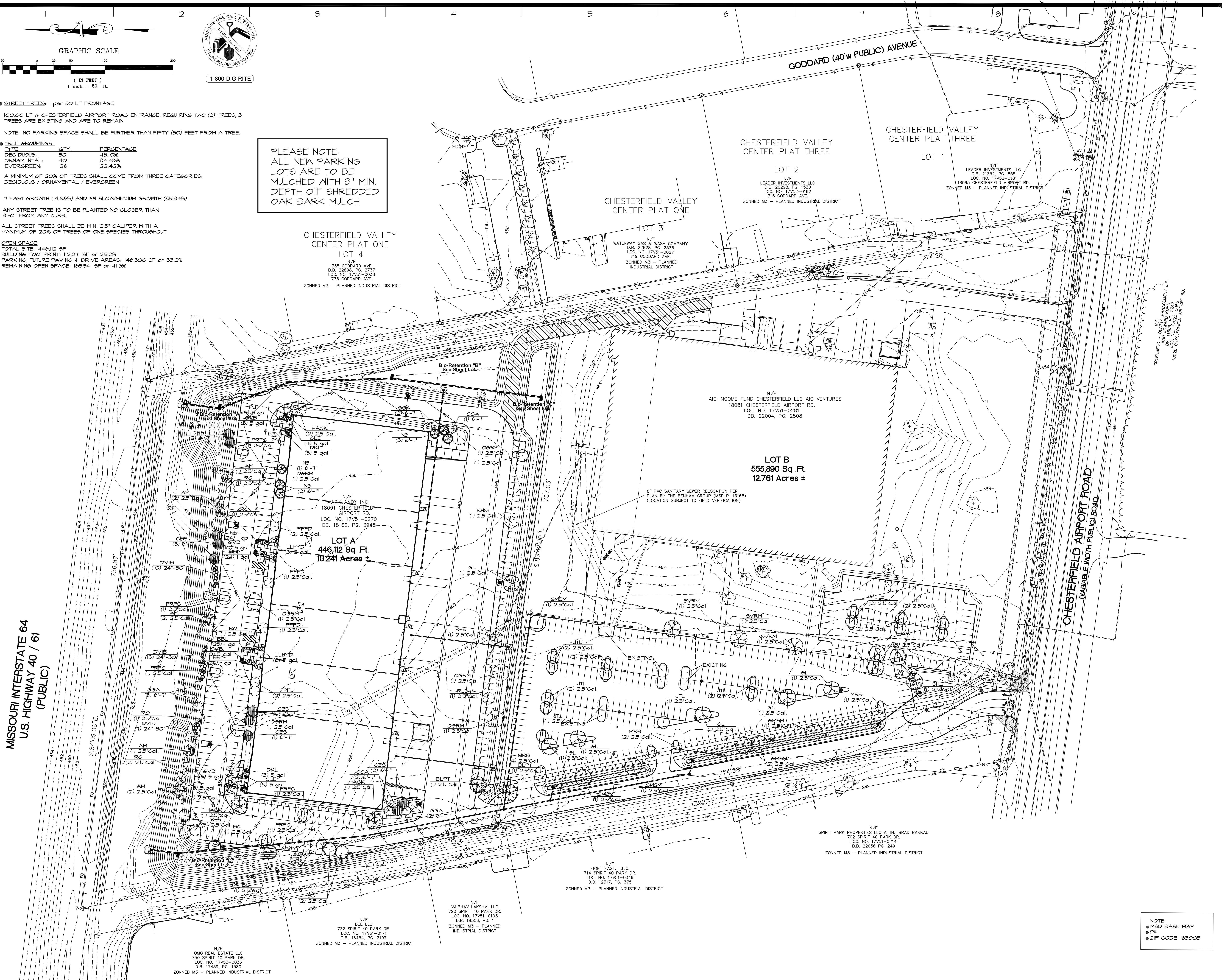


Perspective

mw
weber
architects

636.519.1400
05/31/19
19.022





PLANTING PLAN FOR THE PROPOSED
64 Corporate Center
CHESTERFIELD, MISSOURI

DRAWN BY R. MARDIS
CHECKED BY R. MARDIS
DATE 5/6/19
SCALE 1" = 200'
JOB NO. 2019-01
SHEET L-1

L-1

OF THREE SHEETS

REVISIONS BY
5/29/19 RMM

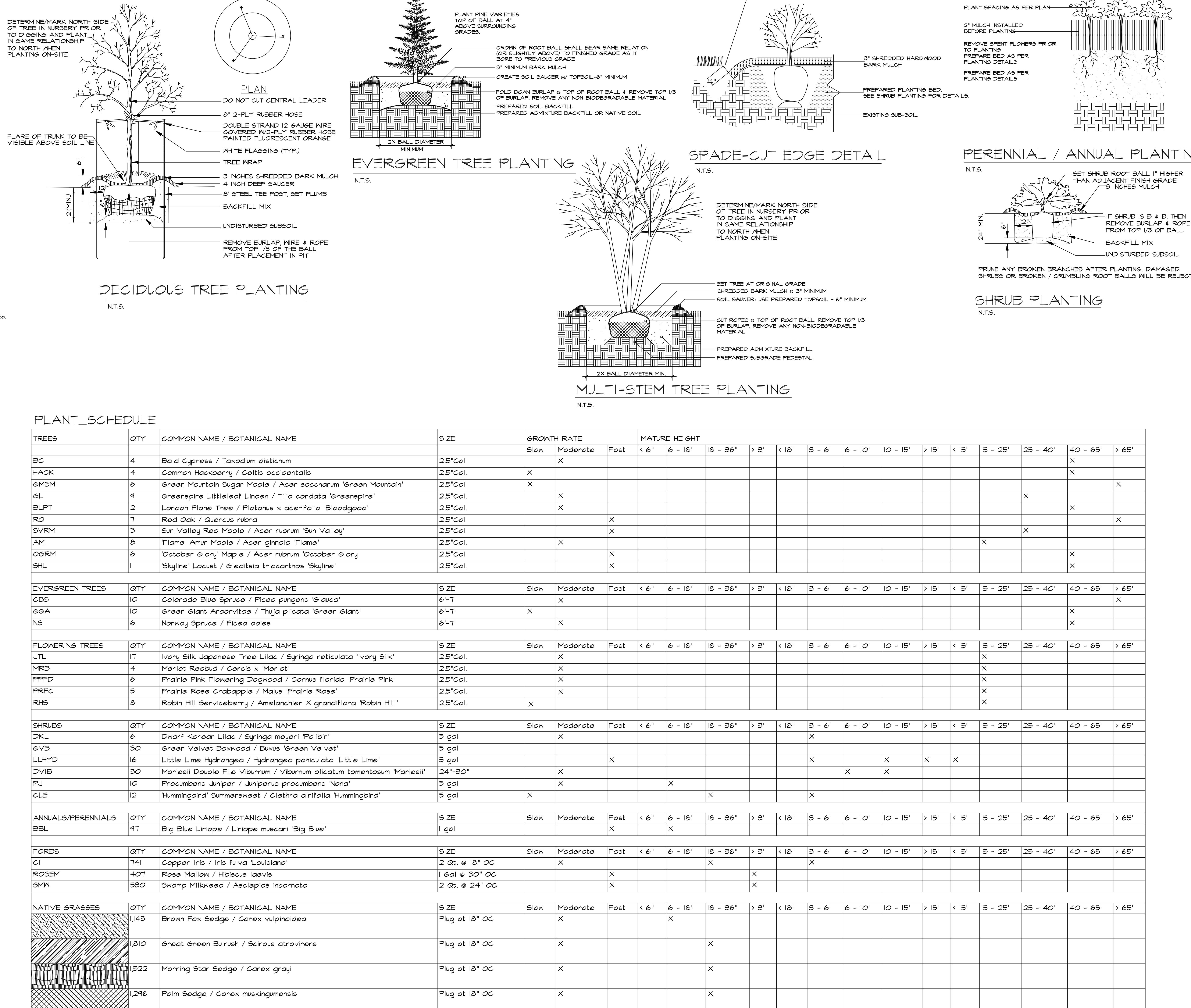
*Landscape
TECHNOLOGIES*
61 Locust Drive • Chesterfield, MO 63014
636.425.2053 • Fax: 636.425.2052
No. 1 Landscape Architectural Firm

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #400004
REGISTERED LANDSCAPE ARCHITECT
DATE: 5/29/19

PLANTING PLAN FOR THE PROPOSED 64 Corporate Center CHESTERFIELD, MISSOURI

LANDSCAPE GUIDELINE SPECS:

- A) General:
 - 1) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Existing trees and shrubs shall be protected from structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
 - 2) The landscape contractor shall be responsible for protection and sequencing with other site related work being performed by other contractors to additional drawings for further coordination of work to be done.
 - 3) Underground facilities, structures and utilities must be considered during all operations. The landscape contractor shall be responsible for determining or verifying the existence of and exact location of these items.
 - 4) Plant material are to be planted in the same relationship to grade as they were grown in nursery conditions. A planting bed shall be dug to a minimum depth of 12" to 18" depending on size of tree or shrub. Plant groundcover to within 12' of trunk of trees or shrubs.
 - 5) It shall be the landscape contractor's responsibility to:
 - A) Verify all existing and proposed features shown on the landscape plan prior to beginning work.
 - B) Report discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately.
 - C) Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect before commencing work.
 - 6) Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify quantity and quality of plant material shown on the material list. No substitutions of types or size of plant material will be accepted without written approval from the landscape architect.
 - 7) Proprietary products and other otherwise noted in plans shall be accepted.
 - 8) All plant material shall comply with the recommendations and requirements of ANSI Z60.1 American Standard for Nursery Stock.
 - 9) If plant material does not conform to the above requirements, the plant material by the Landscape Architect (or Owner's Representative) prior to acceptance. Inspections may take place before, during or after installation. Any plant material not conforming exactly to the plan shall not be accepted and shall be rejected by the landscape architect at the owner's expense.
 - 10) All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work if unit price is not acceptable or unit price is not within 12% of bid.
 - 11) Should any excavation be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarped to avoid creation of "spilled walls" prior to plant material installation.
 - 12) All excess topsoil, rocks, debris, plant debris shall be removed by the landscape contractor prior to completion of project or turned over to the landscape contractor to commence landscape installation.
 - 13) Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
 - 14) Landscape contractor shall kill & remove all existing weeds within the project site.
 - 15) All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor prior to completion of landscape installation.
 - 16) Landscape contractor shall be in compliance with all federal, state and local laws & regulations relating to insect infestation and/or plant diseases.
 - 17) Substitutions of plant material shall be submitted to landscape architect for approval.
- B) PRUNING:
 - 1) Lightly prune trees at time of planting. Prune only the crossover limbs, infertilitated leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds on branches that extend to the edge of the crown.
 - 2) All pruning shall comply with ASCE A300 standards.
- C) INSURANCE:
 - 1) The landscape contractor shall submit certificates of insurance for workers' compensation and general liability.
- D) MULCH:
 - 1) All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise specified. Mulch shall be applied free of foreign materials including needles, moss, deleterious materials, etc.
 - 2) No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Mirafi fabric shall be used beneath all gravel mulch beds.
 - 3) Edge all beds with spade-cut edge unless otherwise noted.
- E) MAINTENANCE:
 - 1) Landscape Contractor shall provide a separate proposal to maintain all landscape groundsheets and annuals for a period of 12 months after acceptance.
 - 2) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.
 - 3) Watering of seeded sodded lawns shall begin immediately and shall continue to be provided continuously for the following 72 hours. Regardless, the landscape contractor shall be responsible for all landscape maintenance until project turnover.
- F) SIGHT TRIANGLES:
 - 1) No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as not to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent property line.
 - 2) Sight triangles at the intersection of a public street and a private access way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb to the property line and connecting the points so established to form the sight triangle area.
- G) TOPSOIL:
 - 1) Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part coarse sand, one part peat moss and one part loam. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
 - 2) Provide a soil analysis, as requested, made by an independent soil-testing agency outlining % of organic matter, inorganic mineral, disease, insects, pests and nutrient content.
 - 3) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or unwanted material. Contractor shall be responsible for removing and correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor prior to plant install.
 - 4) Landscape contractor to apply pre-eminent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
 - 5) Inspect all areas prior to commencement of any grading operations. Inspect and maintain all utilization fences on a weekly basis until vegetation is established.
- H) MISC. MATERIAL:
 - 1) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
 - 2) Tree staking shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.
- I) TURF:
 - 1) All disturbed lawn areas to be seeded with a mixture of Turf-Type Fescue (50# per acre) and bluegrass (18# per acre). Seeding shall occur within 14 days of date of first acceptance. Bare areas more than one square foot per 50 square feet shall be filled with topsoil.
 - 2) Seed and fertilization operations shall occur between May 1 and June 15th and between September 1st and October 1st unless otherwise specified. AND irrigation system is operating.
 - 3) Granular or pelleted fertilizer consisting of 50% water-insoluble slow release nitrogen, phosphorous and potassium in a 12-12-12 composition.
 - 4) The landscape contractor shall be responsible for protection of finished grade, restore or repair any erosion or water damage and obtain owners approval prior to seeding or sod installation.
 - 5) Landscaping contractor shall be responsible for sod in lieu of seed. Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted. Landscaping contractor shall be responsible for delivery and all slopes of 15% or greater shall be sodded.
 - 6) All sod shall be placed a maximum of 24 hours after harvesting.
 - 7) All sod shall be placed on a maximum of 12" wide sections. Landscaping contractor shall be responsible for all sodding operations including equipment/material storage and movement of vehicles. Sod Contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.
- I) EROSION CONTROL BLANKET (Where applicable):
 - 1) All seeded areas on slopes greater than 4:1 shall receive an erosion control blanket which shall consist of loose straw mat and/or geotextile fabric supplied by Northern American Green. DS or approved equal installed per manufacturer's recommendations.
- J) PLUG PLANTING NOTES:
 - 1) All plugs to be 4-1/2" deep X 2" diameter minimum.
 - 2) Plugs are to be planted in a hole dug with a trowel, spade or planting bar such that the hole is a minimum diameter and depth to accommodate the plug and root system, no damage.
 - 3) Plugs shall be spaced in a staggered layout approximately 24" on center. Plugs shall be planted through erosion control blanket where appropriate.
 - 4) Detail plugs from a reputable nursery.
 - 5) Plugs shall be watered daily during the first 10 days of growth.
 - 6) If planting is delayed more than six hours after delivery, store plugs in shade protect from weather and mechanical damage and keep them moist and cool. All plugs shall be planted within 24 hours after delivery.
- K) WARRANTY:
 - 1) All plants (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
 - 2) Any plant material found to be defective shall be removed and replaced within 10 days of notification or in growth season determined to be best for that plant.
 - 3) Only one replacement per tree or shrub shall be required at the end of warranty period unless loss is due to failure to comply with these guidelines.
 - 4) Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
 - 5) A written guarantee shall be provided to the owner per conditions outlined in #1 above.



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R. MARDIS
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5/29/19
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JOB No.
2014-01
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L-2

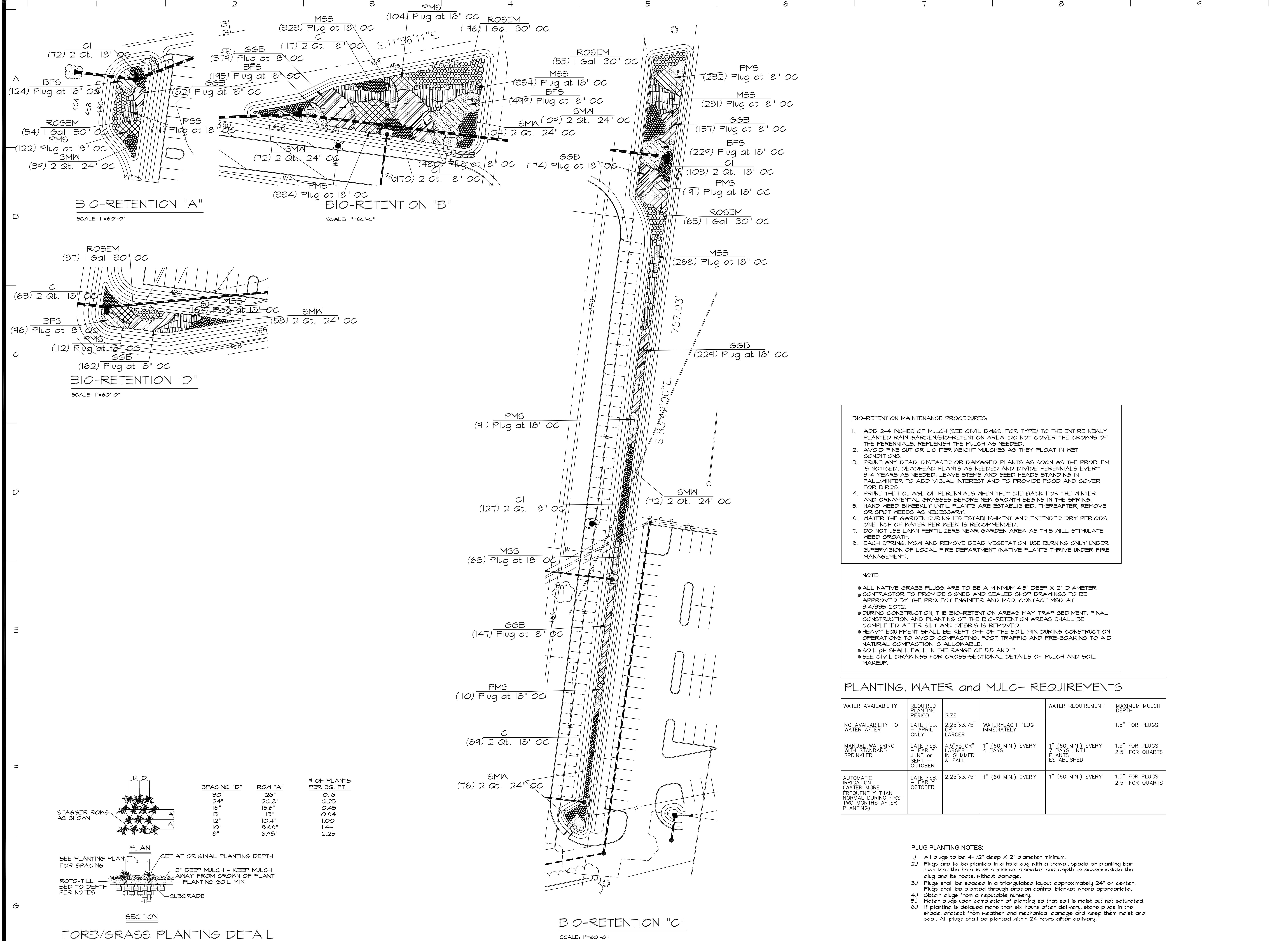
OF THREE SHEETS

REVISIONS BY
5/29/14 RAM

Landscape TECHNOLOGIES
6269 Creek Drive • Fax: (636) 425-1200
61 Charles Madison • PO Box: (636) 425-1200
No. Landscape Architect Corporation #2014-07-02

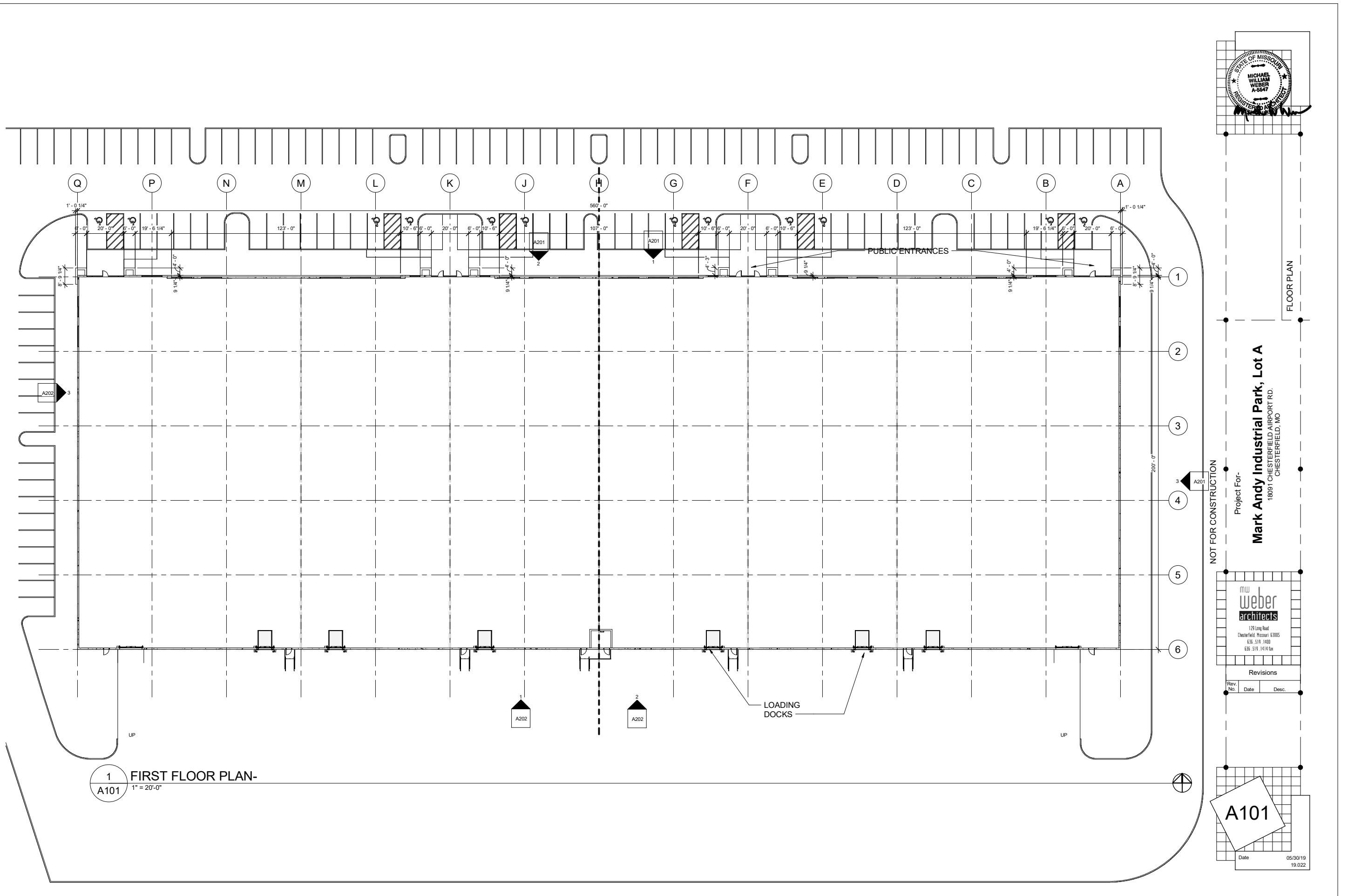
RANDALL W. MARCUS
REGISTERED LANDSCAPE ARCHITECT
4000094
STATE OF MISSOURI
RANDALL W. MARCUS
NUMBER 132141
REGISTERED LANDSCAPE ARCHITECT
DATE: 5/29/14

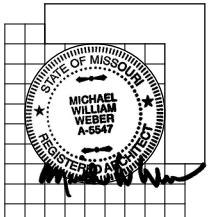
PLANTING PLAN FOR THE PROPOSED 64 Corporate Center CHESTERFIELD, MISSOURI



DRAIN R. MARCUS
CHECKED RAMEL
DATE 5/6/14
SCALE 1"=60'-0"
JOB NO. 2014-07-02
SHEET L-3

OF THREE SHEETS

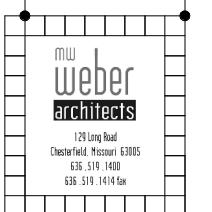




EXTERIOR ELEVATIONS

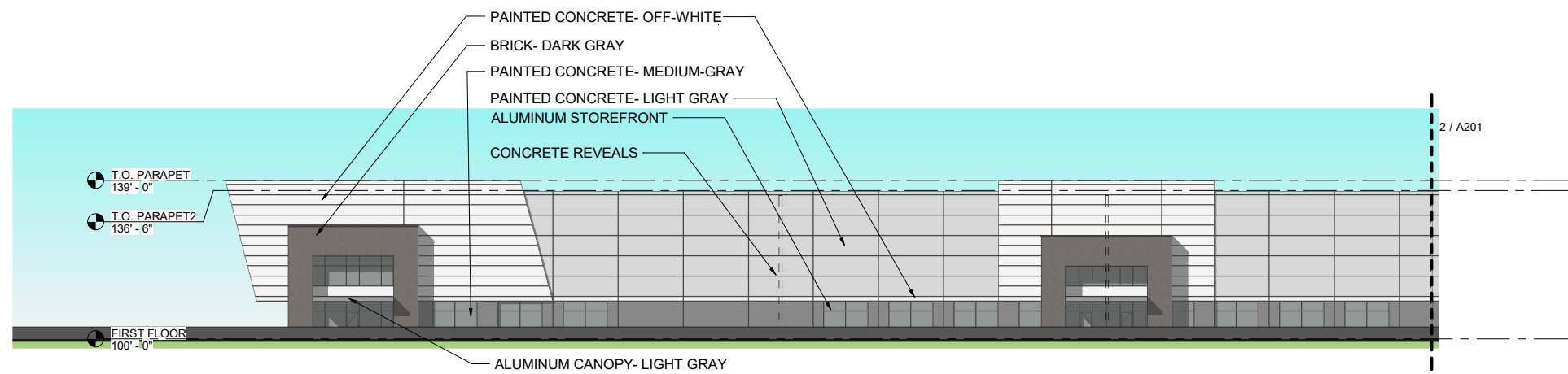
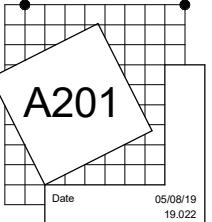
Mark Andy Industrial Park, Lot A
Project For:
1809 CHESTERFIELD AIRPORT RD.
CHESTERFIELD, MO

NOT FOR CONSTRUCTION

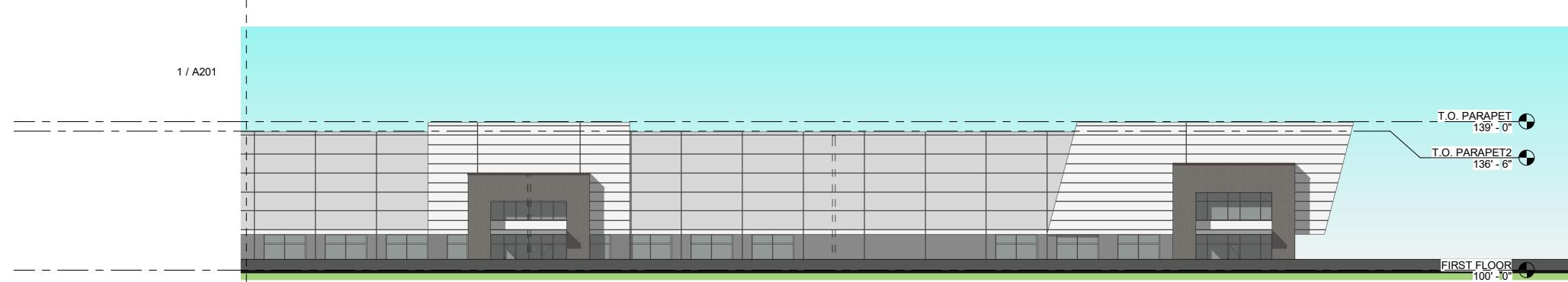


Revisions

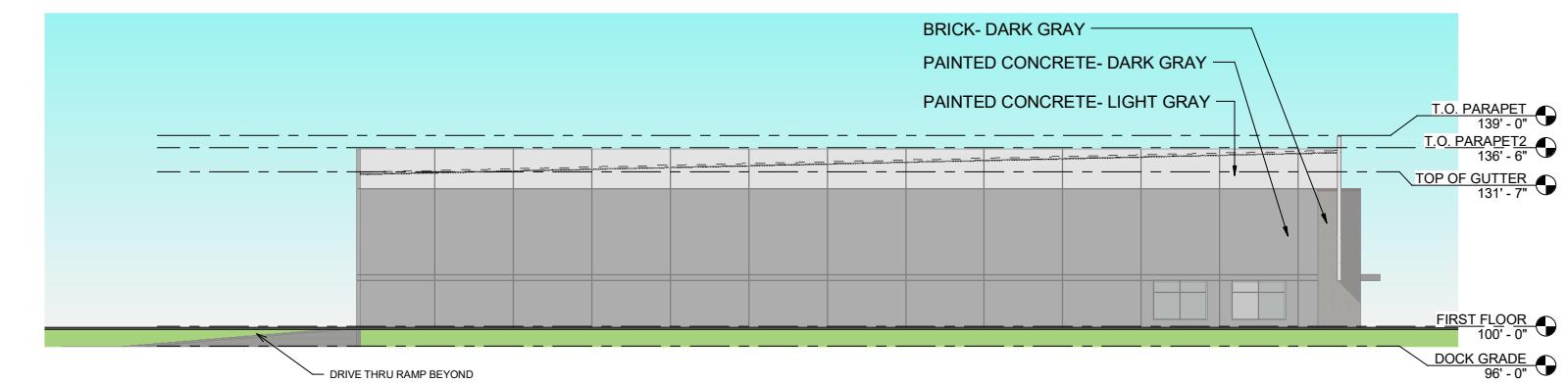
Rev.	No.	Date	Desc.



1 / A201
NORTH ELEVATION - WEST SIDE
A201
1/16" = 1'-0"



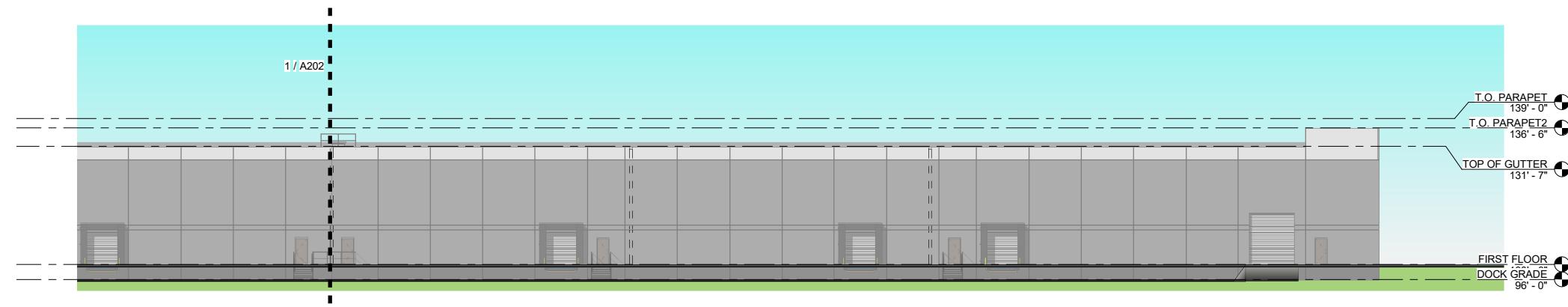
2 / A201
NORTH ELEVATION - EAST SIDE
A201
1/16" = 1'-0"



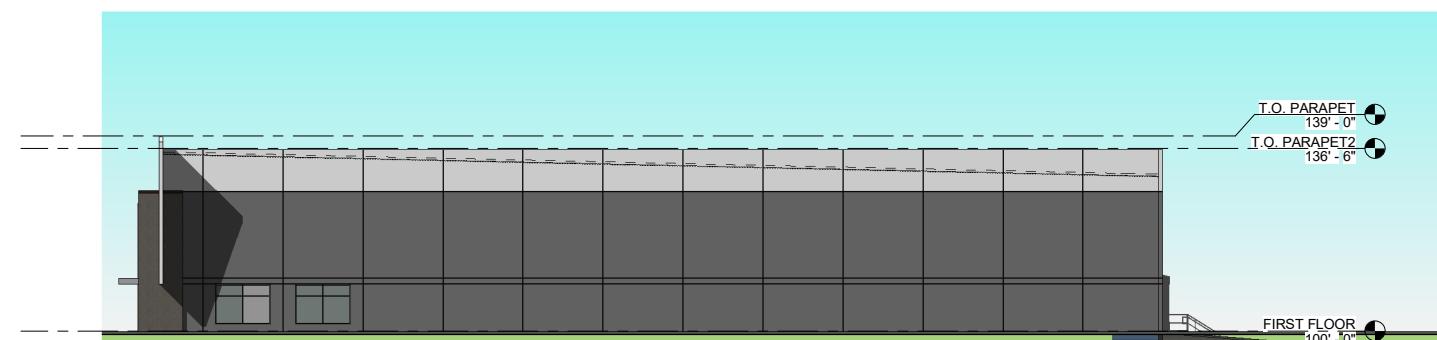
3 / A201
EAST ELEVATION
A201
1/16" = 1'-0"



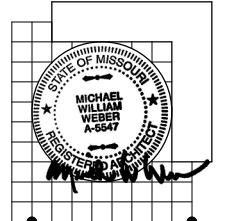
1
A202
SOUTH ELEVATION - WEST SIDE
1/16" = 1'-0"



1
A202
SOUTH ELEVATION - EAST SIDE
1/16" = 1'-0"



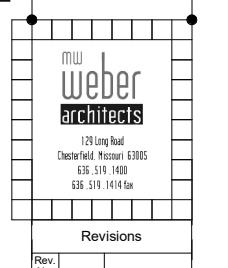
3
A202
WEST ELEVATION
1/16" = 1'-0"



EXTERIOR ELEVATIONS

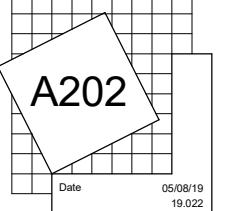
Mark Andy Industrial Park, Lot A
1809 CHESTERFIELD AIRPORT RD.
CHESTERFIELD, MO

NOT FOR CONSTRUCTION



Revisions

Rev. No. Date Desc.



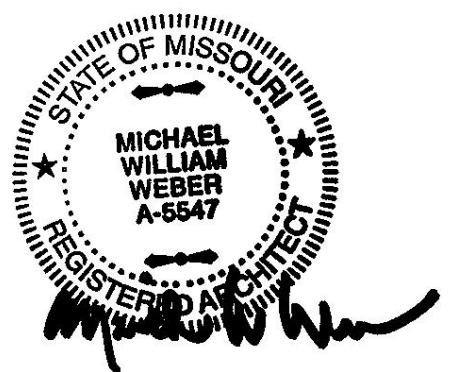
Mark Andy Industrial Park Lot A

18091 Chesterfield Airport Rd.
Chesterfield, Missouri



RENDERING FROM CHESTERFIELD AIRPORT ROAD

N.T.S.



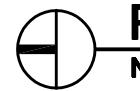
MW
weber
architects

636.519.1400

30MAY2019
19.022

Mark Andy Industrial Park Lot A

18091 Chesterfield Airport Rd.
Chesterfield, Missouri



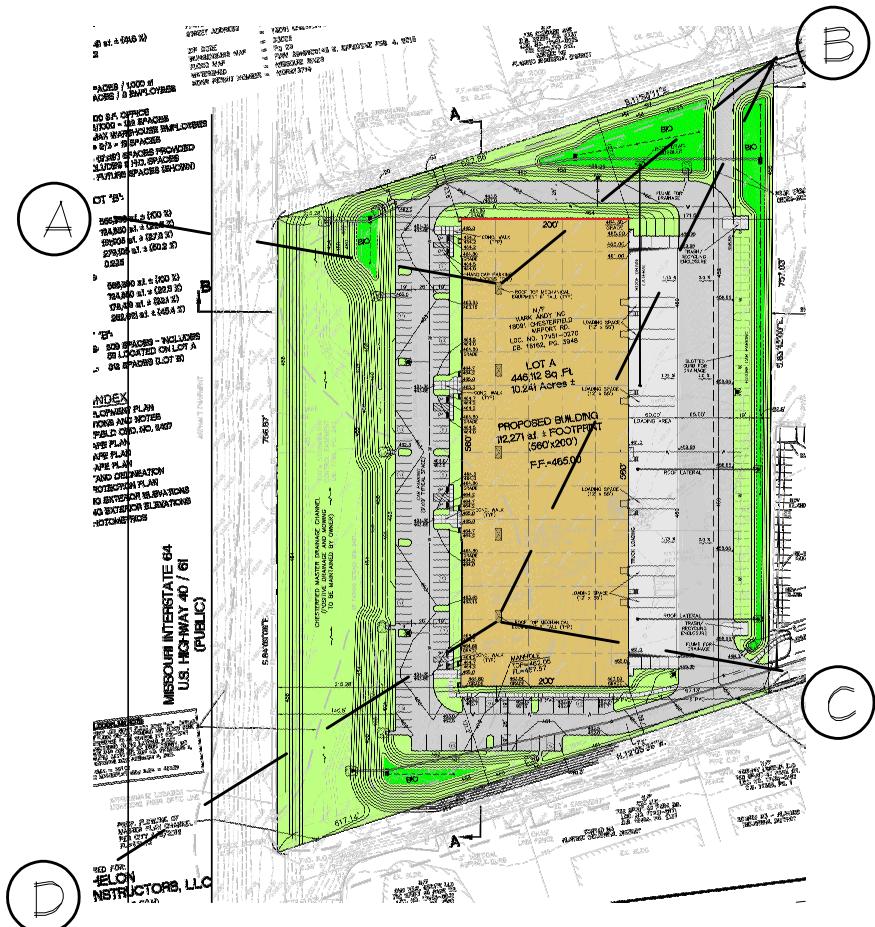
RENDERING FROM EAST BOUND HIGHWAY 40

N.T.S.

mw
weber
architects

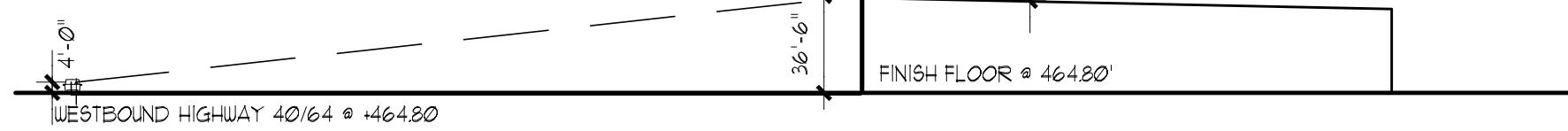
636.519.1400

30MAY2019
19.022



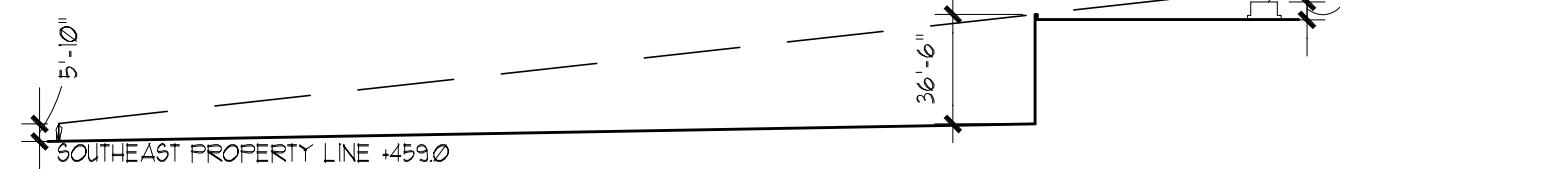
Mark Andy Industrial Park Lot A

18091 Chesterfield Airport Rd.
Chesterfield, Missouri



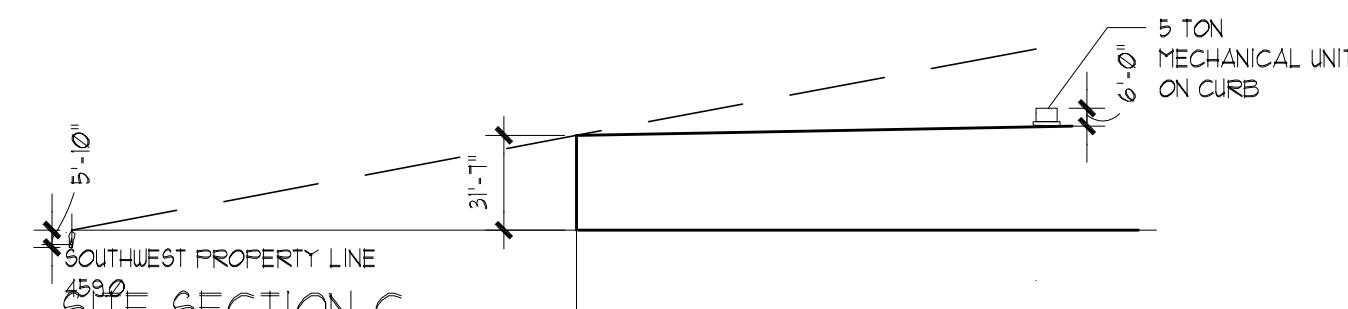
SITE SECTION A

SCALE: 1/64" = 1'-0"



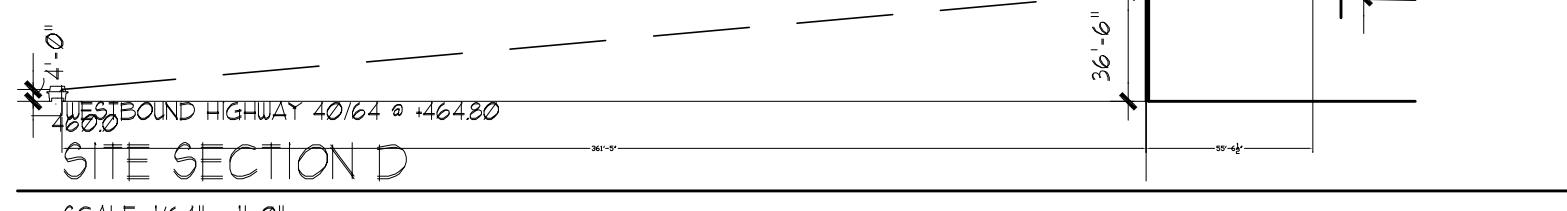
SITE SECTION B

SCALE: 1/64" = 1'-0"



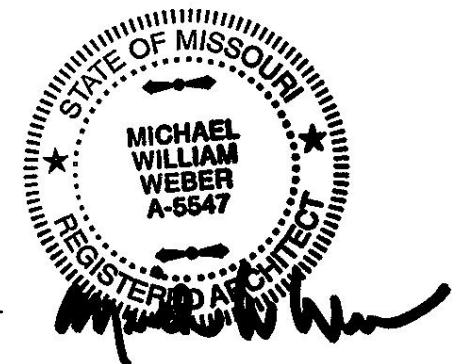
SITE SECTION C

SCALE: 1/64" = 1'-0"



SITE SECTION D

SCALE: 1/64" = 1'-0"

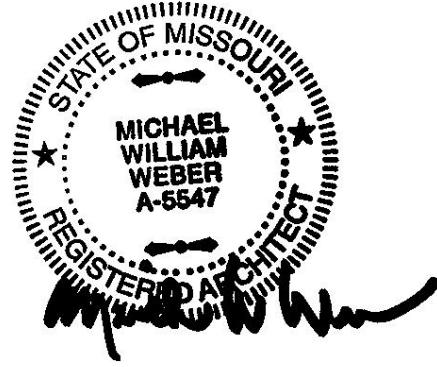


ROOF TOP EQUIPMENT SCREENING STUDY

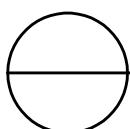
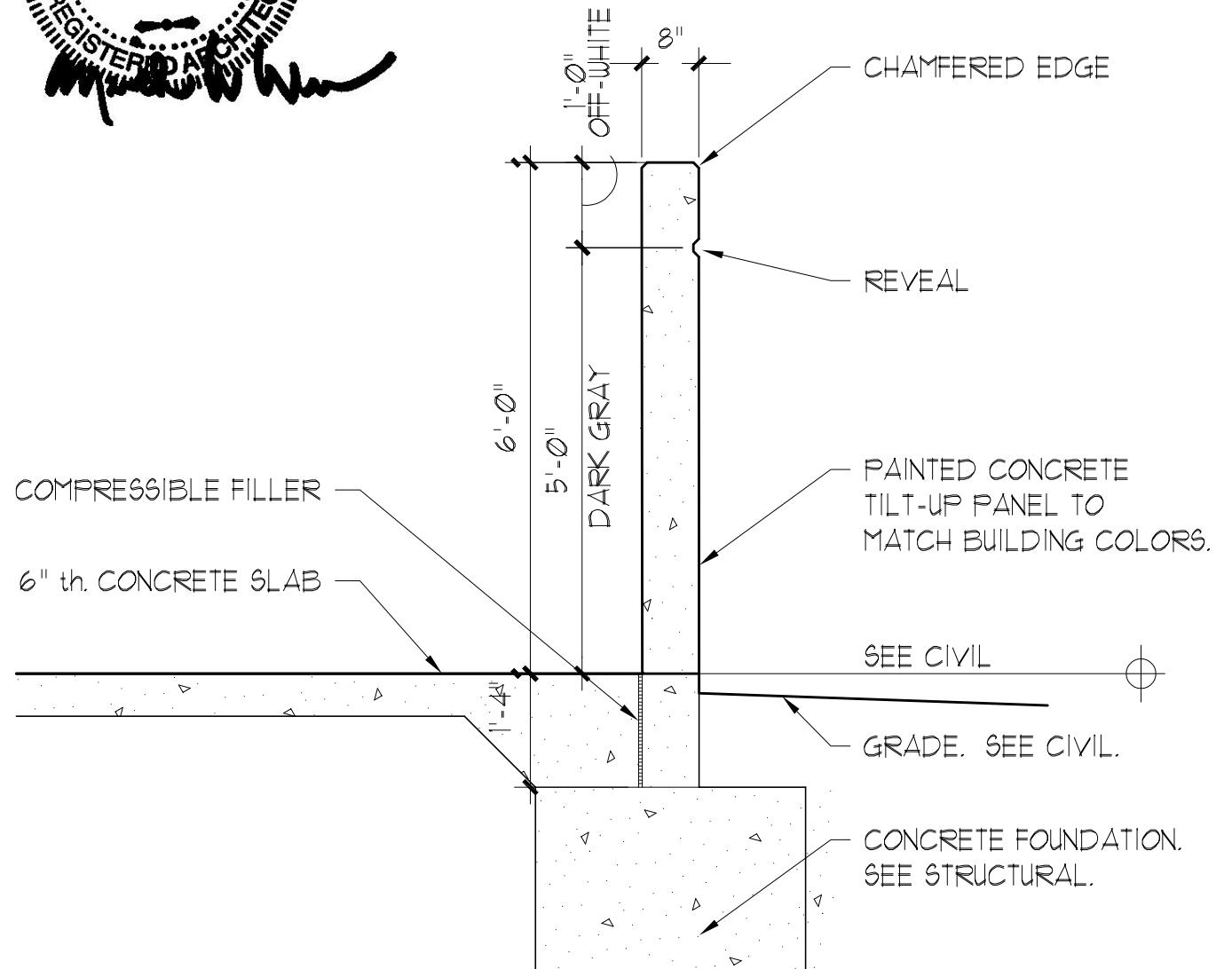
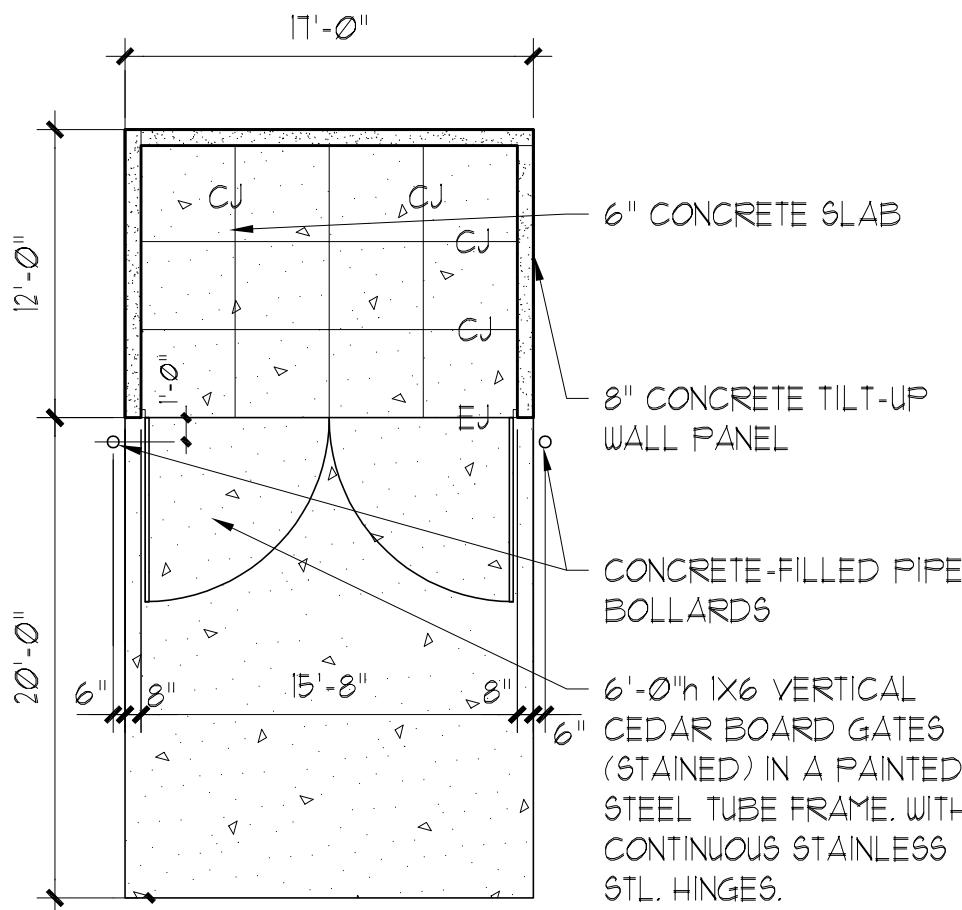
Scale: 1/64" = 1'-0"

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05JUNE2019
19.022

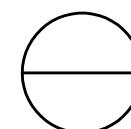


Mark Andy Industrial Park Lot A
18091 Chesterfield Airport Road
Chesterfield, Missouri



TRASH / RECYCLING ENCLOSURE PLAN

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



SECTION @ TRASH / RECYCLING ENCLOSURE

SCALE: 1/2" = 1'-0"

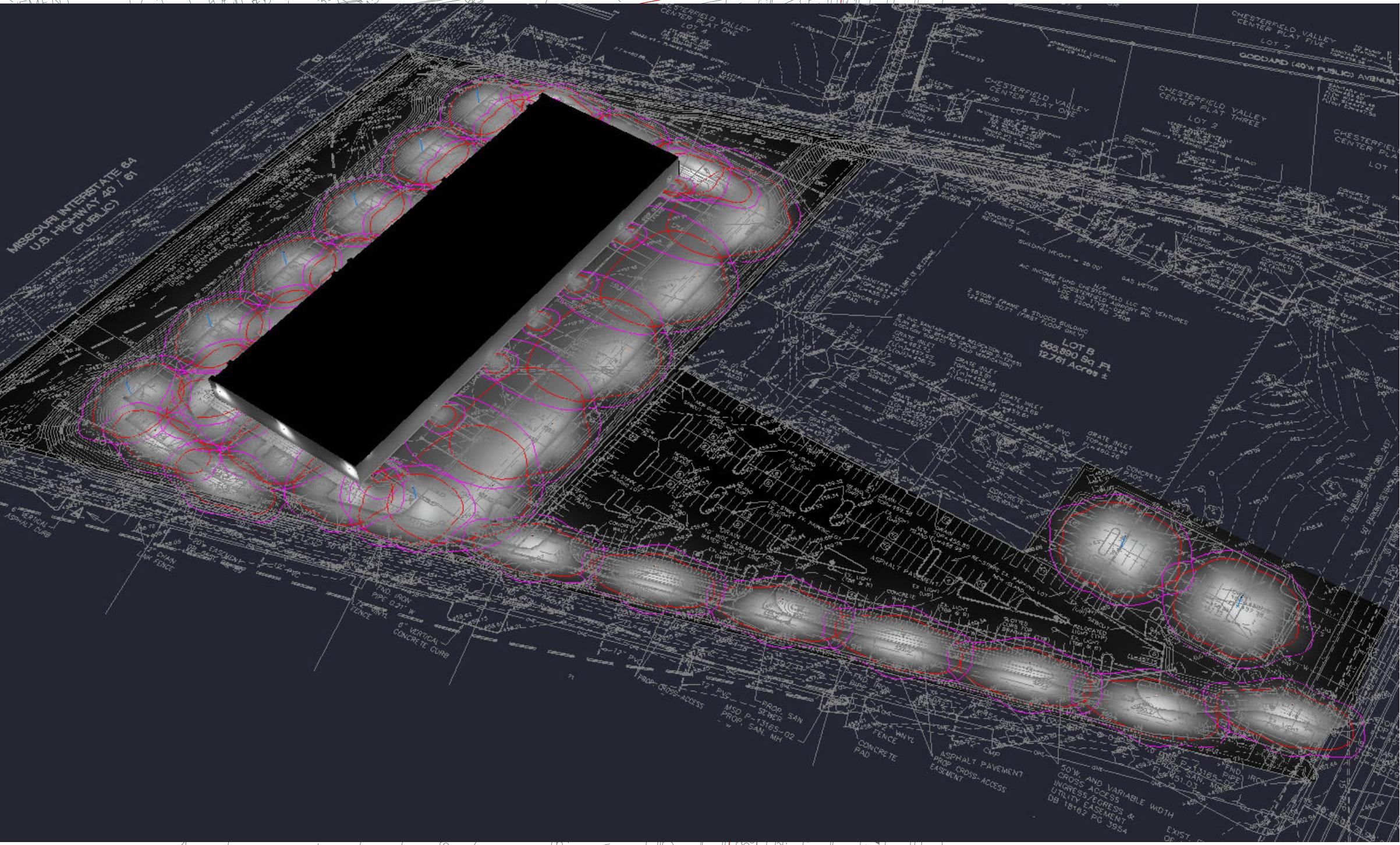
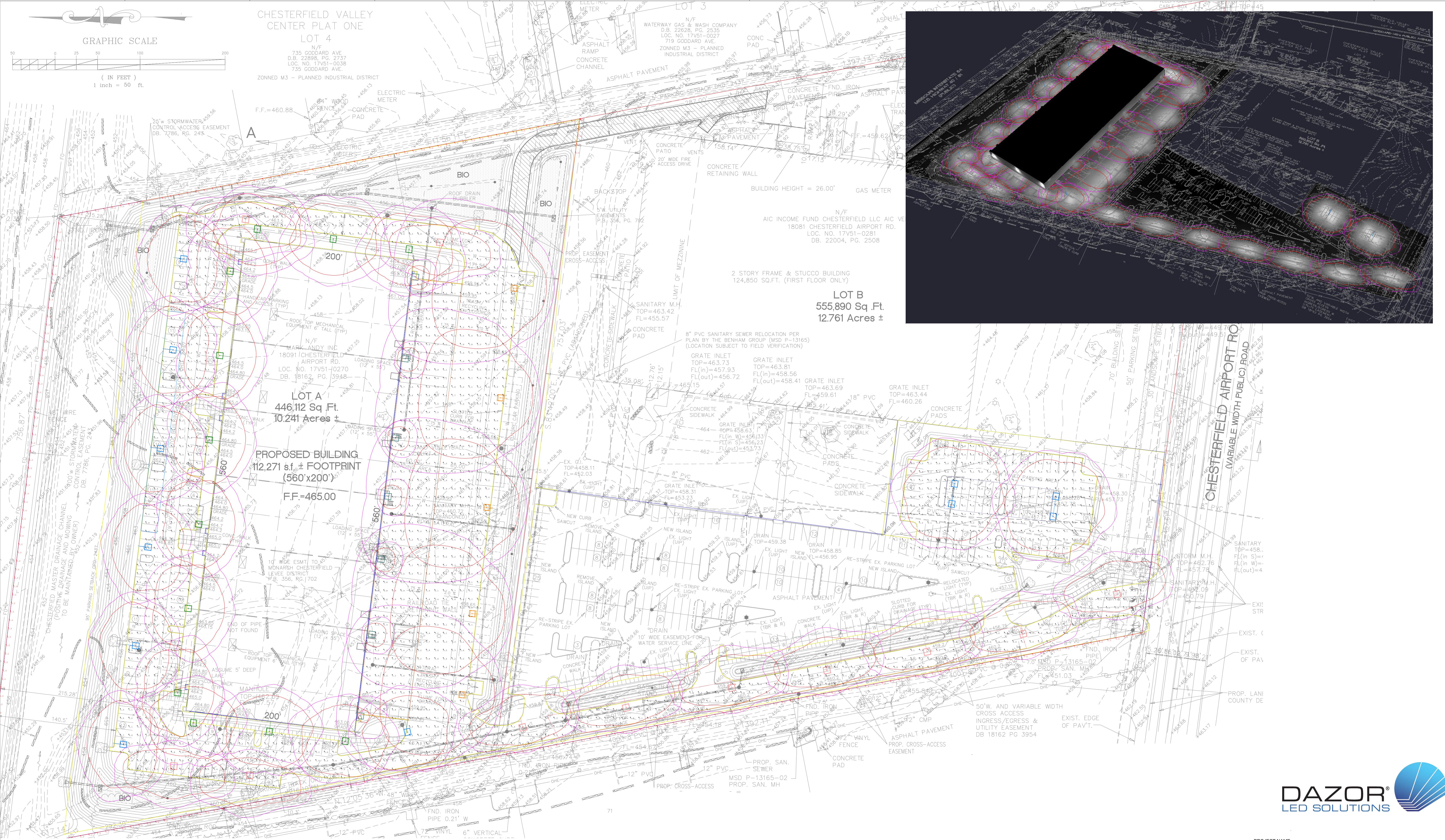
PLAN & WALL SECTION- TRASH / RECYCLING ENCLOSURE

Scale: see above

**mw
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architects**

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30 MAY 2019
19.022



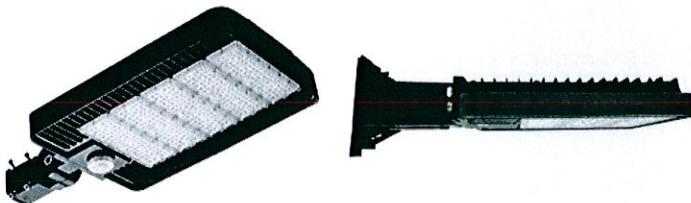
DAZOR®
LED SOLUTIONS

PROJECT NAME
042219SH-ECHELON-WAREHOUSE-05
EMAIL
shogrebe@dazor.com
DATE
04/16/19
REVISE DATE
06/04/19
FIRM
NAME
NOTES
CALCULATIONS AT GRADE UNLESS
OTHERWISE SPECIFIED

AS Access Area Light

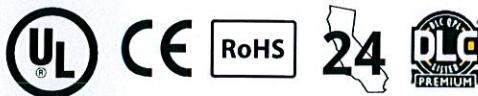
Outdoor

With high efficacy and precision-engineered polycarbonate lenses, the Access Area Light ensures the most energy saved and a wider smoother and more uniform light output. The lower glare of the Access will be sure to offer improved visual comfort in parking lots and university campuses.



Features

- IP65 rated and tested for use in wet locations
- Convenient modular design and knockout
- High-transmittance, prismatic acrylic lens



Order Format

Part Number: ASDZ-30-40-T3

Series	Wattage	CCT	Voltage	Dimming	Optic	Finish Color
ASDZ=Access Area Light	11=110W 15=150W 30=300W	- 40=4000K 50=5000K	- Blank=100-277V -V=347-480V	- Blank=1-10V Dimming ND=Non-Dimming	- T3= Type III	Blank=Bronze

Application

Multiple brackets are available for customizable mounting improving installation time and reducing blind area of visual field. Slipfitter, arm mount, trunnion and yoke are available for the Access.



Electrical

110W, 150W, and 320W models are available with custom orders up to 1500W upon request. System efficacy is rated up to 170 lm/W and lifespan at greater than 50,000 hours. The fixture has the standard input of 100-240/277VAC.

Optics

The Access is available in type III beam angles with type II and V available upon request. Color accuracy is rated at 70+ CRI, in a color temperature of 4000K and 5000K.

Certifications

- DLC Premium
- UL Listed
- CE
- RoHS
- Title 24
- IP65 rated

Construction

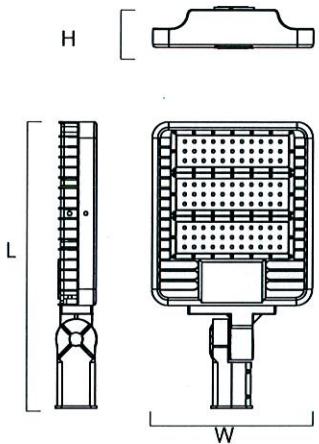
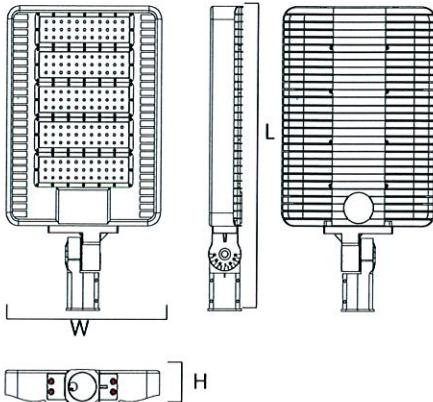
The Access Area Light is precision manufactured from Die-cast aluminum. The luminaire comes with a built-in occupancy sensor, following Title 24 standards.

Input Voltage (VAC)	100-240/277
CRI	73+
CCT(K)	3,000 4,000 5,000 5,700
PF	.9
L70 (Hours)	50,000+
Color	Black
Housing	Die Cast Aluminum
Optic Types	T3=Type III T5=Type V
Temperature Range	-40°C to 50°C
Warranty	10 Years

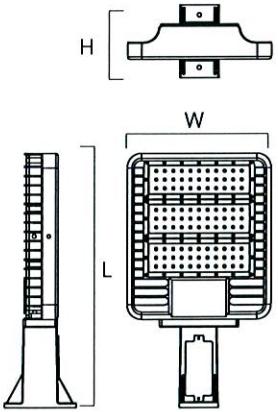
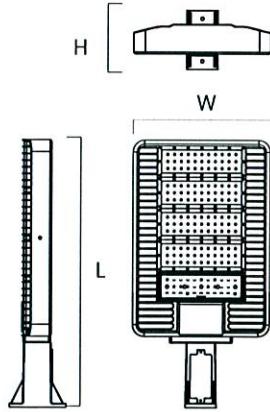
Lumen Data

Wattage (W)	System Wattage (W)	4K		5K	
		Efficacy (Lm/W)	T3 Lumens (Lm)	Efficacy (Lm/W)	T3 Lumens (Lm)
110W	114.5	132	15,181	135	15,412
150W	149.5	132	19,761	134	20,058
300W	313.5	130	41,007	132	41,474

Dimensions

Slipfitter 110W 150W		Slipfitter 300W	
Part No.	Length (L)	Width (W)	Height (H)
AS11	20.9	11.8	3
AS15	20.9	11.8	3

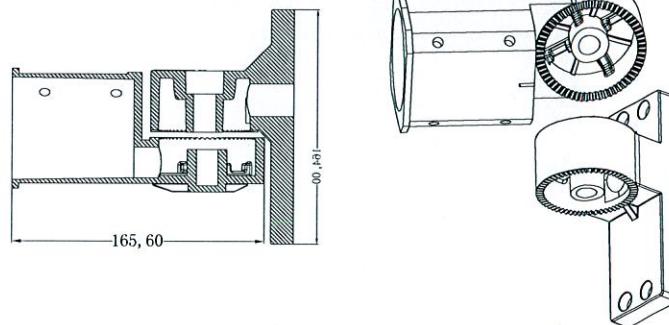
Recorded in inches

Squaremount 110W 150W		Squaremount 300W	
Part No.	Length (L)	Width (W)	Height (H)
AS11	20.5	11.8	5.8
AS15	20.5	11.8	5.8

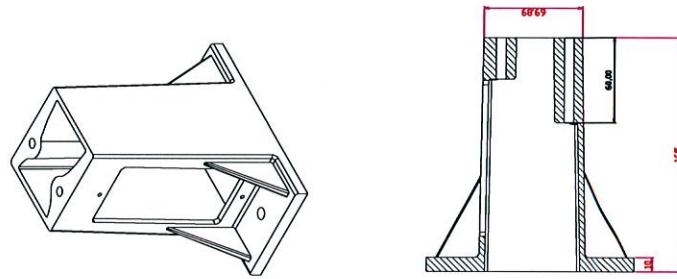
Recorded in inches

Mounting

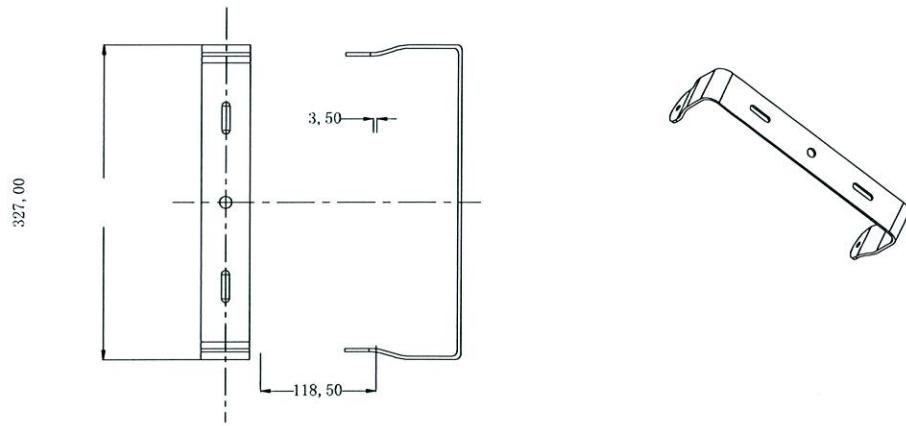
Slipfitter



Square Mount

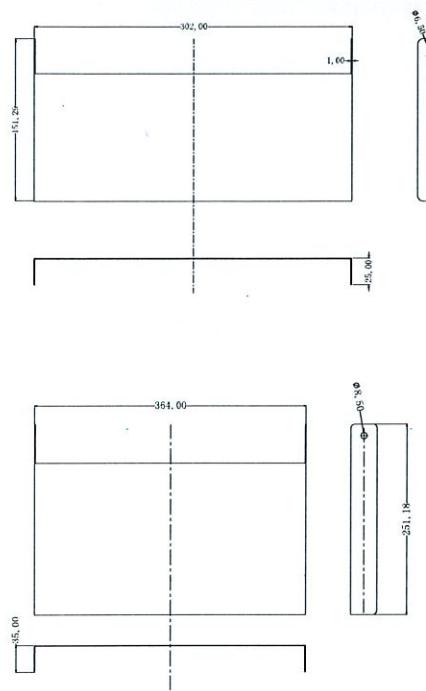


Yoke Mount

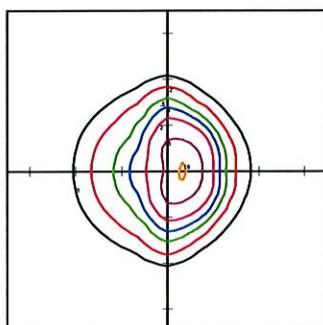


Accessories

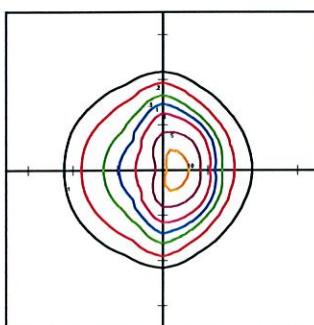
Backshield



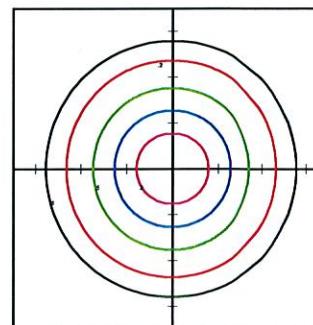
Photometric



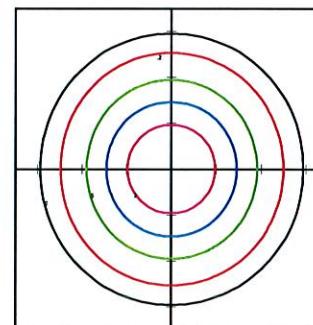
AS11-50-T3 @25'



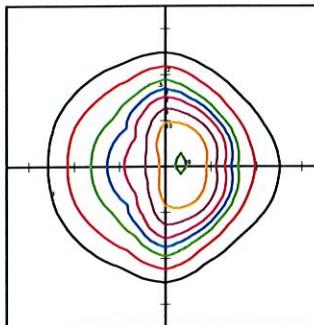
AS15-50-T3 @25'



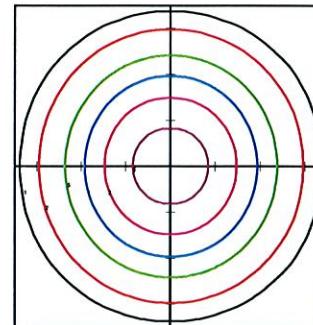
AS11-50-T5 @25'



AS15-50-T5 @25'



AS30-50-T3 @25'

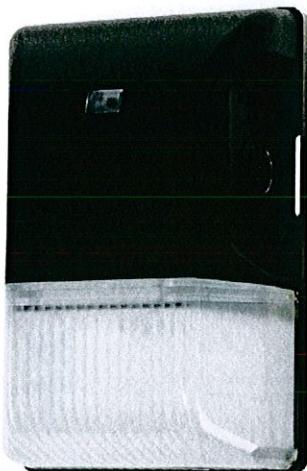


AS30-50-T5 @25'



30W Mini LED Wall Pack w/ Integrated Photocell - 3,750 Lumens 100W Metal Halide Equivalent - 4000K

Part Number: MWDZ-40K30W-SAFBR



Product Details

- Photocell included for dusk-to-dawn operation
- Powder coated aluminum housing and shatterproof PC lens
- 120-277 VAC
- 5-Year warranty

Specifications

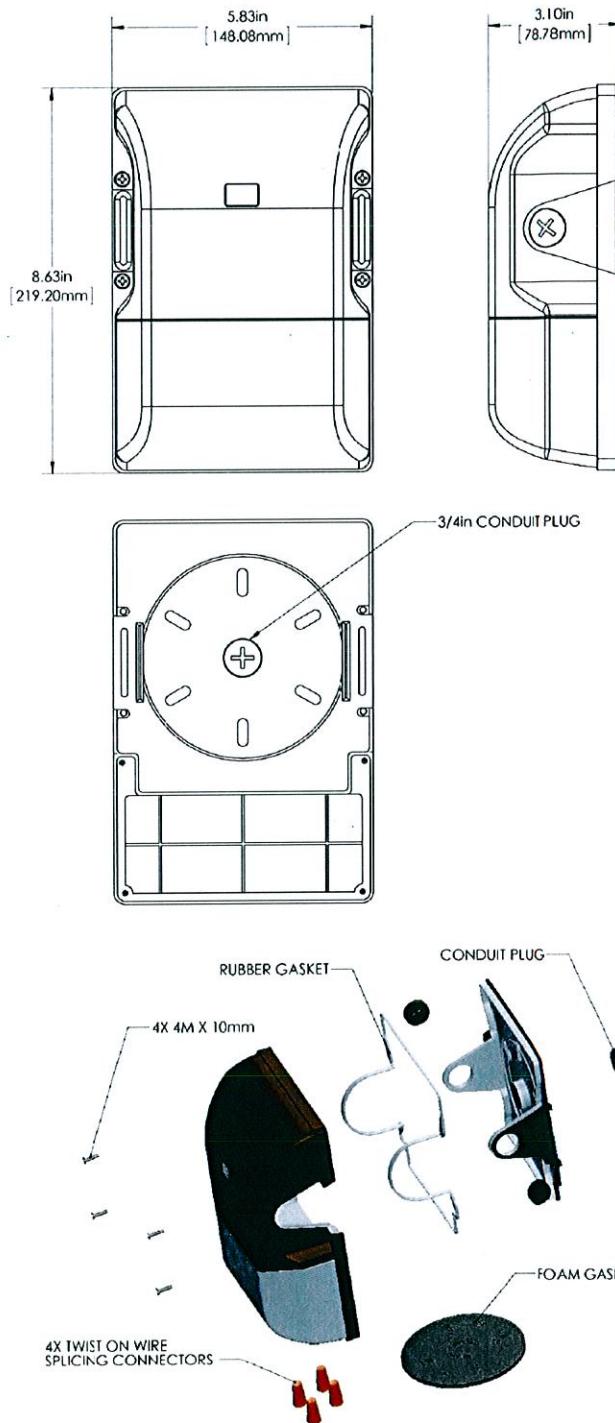
Beam Angle	110 degree	LED Lifetime	50000 Hours
CRI	80+	Lens Type	Polycarbonate
Color Temperature	4000 K	Material	Aluminum Housing
Comparable Wattage	100 Watt Metal-Halide	Operating Temperature	-20~+45 °C (-4~+113 °F)
Current Draw	0.3A (300mA)	Photocell	Photocell Integrated
Dimensions	See Below	Product Weight	2lb (0.91kg)
Dimmable	No	Replacement For	100 Watt MH
Efficacy	125 lm/w	Standards And Certifications	DLC, ETL Listed
IP Rating	Weatherproof IP65	Total Power Consumption	30 Watts
Intensity	3750 Lumen	Volts	120-277 VAC
LED Color	Natural 4000K		

Package Weight: 2lb 0.58oz (0.92kg)

Package Dimensions: 9" (23cm) x 4.5" (11cm) x 4.5" (11cm)

All specifications are subject to change without notice.

MWDZ-40K30W-SAFBR - 30W Mini LED Wall Pack w/ Integrated Photocell - 3,750 Lumens - 100W Metal Halide Equivalent - 4000K



30W Mini LED Wall Pack w/ Integrated Photocell - 3,750 Lumens - 100W Metal Halide Equivalent - 4000K

AE Aero Area Light

Outdoor

The Aero allows for quick, labor-efficient swapping of optics and LED arrays. Designers and contractors can now use the same product to deploy for a range of applications, without sacrificing appearance or durability. The luminaire has an operating temperature range of -20C to 45C.



Luminaire	Aero Area Light	Type
Project		
Product		
Notes		

Features

- IP65 rated and tested for use in wet locations
- Allows for quick swapping of optics and LED arrays.
- Best mounted at range of 20 to 35 feet.



Order Format

Part Number: AEDZ-150-50-T2

Series	Wattage	CCT	Voltage	Finish Color
AEDZ=Aero Area Light	100=100W 150=150W 230=230W 310=310W	40=4000K 50=5000K	Blank=100-277V -V=347-480V	Blank=Bronze

Application

The luminaire is best mounted in a range of 20 feet to 35 feet. ATG's sales and technical representatives will help you choose which configurations to specify for your project.



Construction

The Aero is built from die-cast aluminum. Core components of the luminaire, including the optics and LED arrays, are interchangeable via individual modules.



Electrical

Luminous efficacy is rated for 120 lm/W or greater. L70 is an exceptional 100,000 hours, equivalent to over 22 years of operation at 12 hours per day. The fixture will be available with input of 100-240/277VAC, and optional 347-480V drivers. Fixture is IP65 rated.

Input Voltage (VAC)	100-240/277
CRI	70+
CCT(K)	5,000
PF	>.92
THD	<20%
L70 (Hours)	>100,000
Color	Bronze
Housing	Die Cast Aluminum
Optic Types	Clear
Temperature Range	-40°C to 40°C
Warranty	10 Years

Optics

The Aero is available with Type IV and V optics. Color accuracy is rated at 70+ CRI, in a color temperature of 5000K.

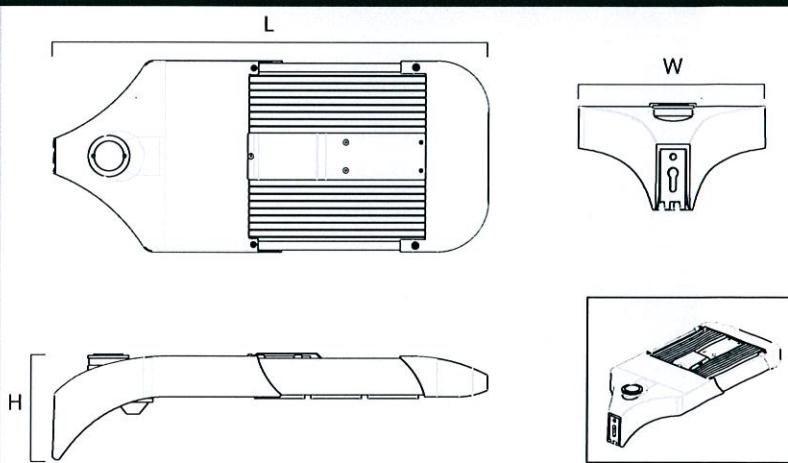
Certifications

- DLC Premium
- ETL
- CE
- RoHS
- Title 24
- IP65 rated

Lumen Data by CCT and Lens

Wattage (W)	System Wattage	4K						5K											
		T2	Efficacy (Lm/W)	Lumens (Lm)	T4	Efficacy (Lm/W)	Lumens (Lm)	T5	Efficacy (Lm/W)	Lumens (Lm)	T2	Efficacy (Lm/W)	Lumens (Lm)	T4	Efficacy (Lm/W)	Lumens (Lm)	T5	Efficacy (Lm/W)	Lumens (Lm)
100	97W	123	11965	123	11957	126	12261	129	12595	129	12586	132	12907						
150	150W	119	17890	123	18464	122	18358	125	18832	129	19436	128	19324						
240	211W	117	24703	123	25955	122	25806	123	26003	129	27321	128	27164						
320	303W	114	34772	123	37235	122	37021	120	36602	129	39195	128	38970						

Dimensions



Part No.	Length (L)	Width(W)	Height (H)
AEDZ-100	26.5	12	6.7
AEDZ-150	27.5	12	6.7
AEDZ-230	28.5	12	6.7
AEDZ-310	29.5	12	6.7

Recorded in inches

Sensor

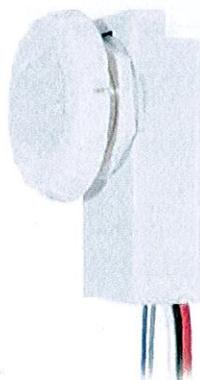
BR1823
Digital PIR
Bi-level Sensor



Daylight Sensor

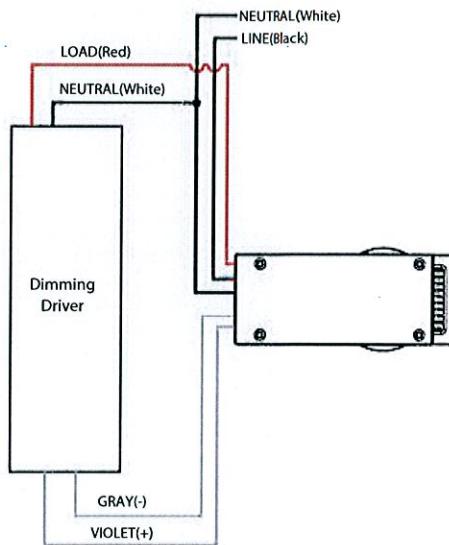
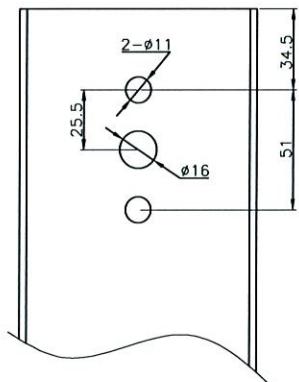


Motion Sensor



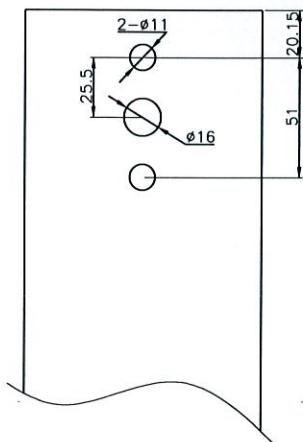
*see sensor specsheets
for more info

Power Supply	120-277VAC 50/60Hz
Maximum Load -40°C-70 °C	Resistive/Tungsten - 600W@120V Ballast Electronic (LED) -800/1200VA@120/277V
Dim Control Output	0-10V, max. 25mA sinking current
Detection Radius/ Angle	30ft@40ft height/360 °
Mounting Height	Max 24ft. @LW1 Max 40ft. @LS2
Remote Range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40 °C - +70°C

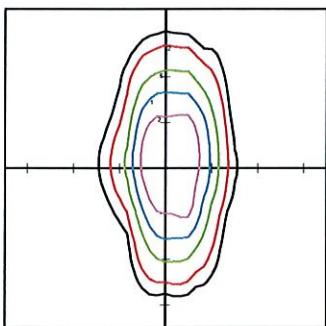
**Mounting****Square Mount**

Mounting Continued

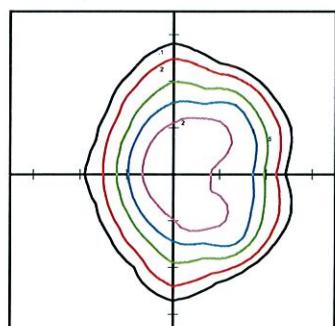
Round Mount



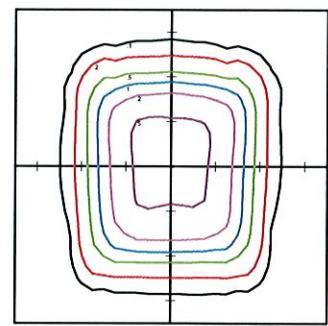
Lens Photometric



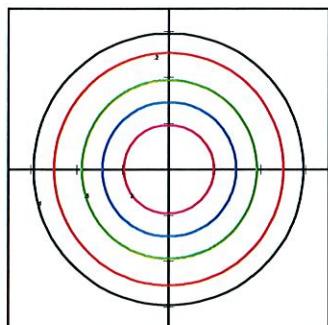
AE15-50-T2 @25'



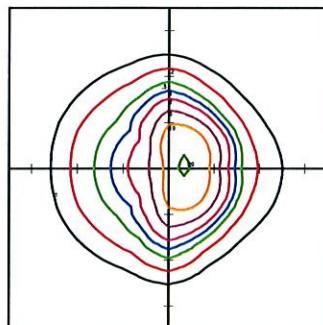
AE15-50-T4 @25'



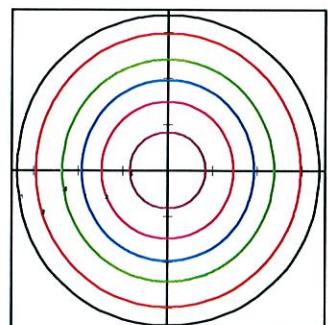
AE15-50-T5 @25'



AE32-50-T2 @25'

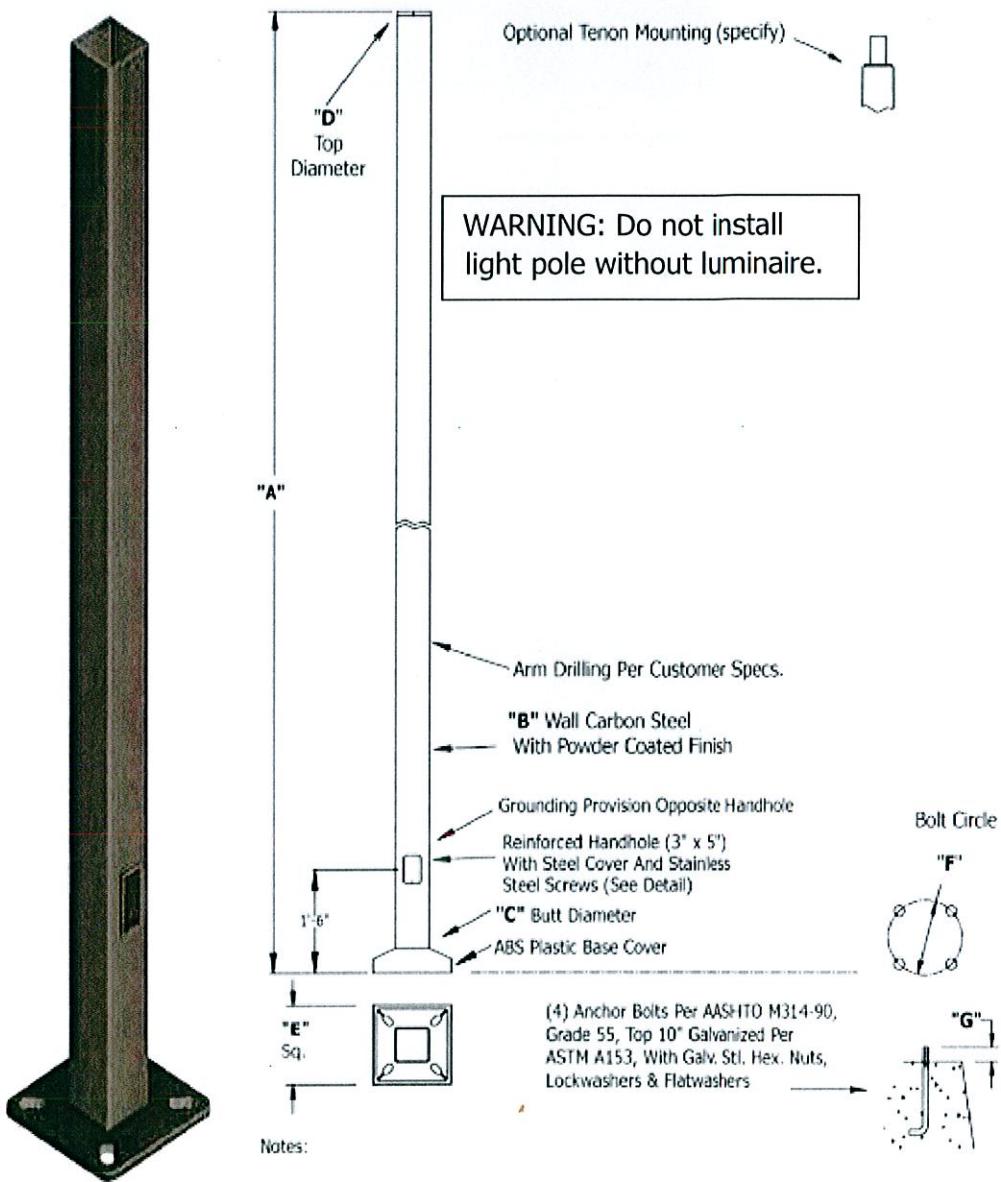


AE32-50-T4 @25'



AE32-50-T5 @25'

Square Straight Steel - 4 Bolt Base Light Poles



1) All Material Shall Be Weldable-Grade, Hot-Rolled, Commercial Quality Carbon Steel Tubing. Base Plate and Handhole Material Shall Conform to ASTM A36. All Welds Shall Conform To AWS D1.1 Using E70xx Electrodes.

2) EPA Calculations Based Upon AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1994 Edition, Using An EPA Weight of 25 lbs Per Sq Ft of EPA. Height Coefficients Based On Formula, $(H/30)^{(1/7)}$. EPA's Are Calculated At Top Of Shaft. All Welds Shall Conform To AWS D1.1 Using E70xx Electrodes.

Mt. Height	Wall Thickness	Shaft Size	Base Size	Bolt Circle	Bolt Projection	Bolt Size	Pole Weight	EPA 110
20 ft.	11 gauge	5x5 in.	11 in.	10-12 in.	3.375 in.	1x36x4 in.	194 lbs.	9.2

Calculations based on AASHTO 2001 specifications
Maximum Combined Design Weight is 25 lbs. per sq. ft. of E.P.A. (i.e. 4.4 sq. ft. E.P.A. x 25 lbs. = 110 lbs.)