



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

Meeting Date: May 9th, 2024

From: Alyssa Ahner, Senior Planner

Location: 760 N. Trade Center Blvd.

Description: Terra Corporate Park, Lot 4: A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 4.09-acre tract of land located south of Long Road Crossing Drive, north of Chesterfield Airport Road, and east of N. Trade Center Boulevard.

PROPOSAL SUMMARY

Gray Design Group, on behalf of Ari Properties, LLC, has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevation, and Architect's Statement of Design for a proposed 50,997 square foot fulfillment center on an undeveloped tract of land.



Figure 1: Subject Site

RELEVANT HISTORY OF SUBJECT SITE

1978: Subdivision zoned M-3 Planned Industrial.

2001: Subdivision rezoned from “M-3” to “PI” Planned Industrial.

2006-2007: Subdivision Planned Industrial District amended twice to revise development criteria and a record plat (Terra Corporate Park) was approved to establish nine (9) lots.

2022: First development in Terra Corporate Park was approved and constructed (Scooter’s Coffee).

STAFF ANALYSIS

The Unified Development Code’s (UDC) Architectural Review Design Standards are broken down into two (2) areas of review: Site Design and Building Design.

General Requirements for Site Design are further broken down into the following categories:

- Site Relationship
- Circulation and Access
- Topography and Parking
- Retaining Walls

General Requirements for Building Design are further broken down into the following categories:

- Scale
- Design
- Materials and Color
- Landscape Design and Screening
- Signage
- Lighting

A. Site Relationships

The subject site is largely surrounded by undeveloped land. As previously mentioned in the site history, the first development in Terra Corporate Park was approved in 2022 (Scooter’s Coffee). The proposed development would be the second lot to be developed. *Figure 2* depicts the surrounding area and a few of the existing uses. The zoning for this subdivision allows a vast array of uses (both industrial and commercial) and has a maximum building height limit of 45’.



Figure 2: Surrounding existing uses

B. Circulation and Access

An Amended Site Development Concept Plan for the entirety of the subdivision was approved in 2007 and the proposed development adheres to it in regards to access. The development would have one shared driveway on the southern portion of the lot and one additional access in the northeast corner of the site. The southern access would be shared between Lot 4, 5, 6 once developed as depicted in *Figure 3* on the next page.

The proposed parking area may be seen adjacent to N. Trade Center Blvd frontage on the west while the eastern portion of the site is reserved for a 4’ high loading dock to accommodate trucks and deliveries.

Similar to other industrial areas in Chesterfield, the roads in this subdivision do not have curb thus the sidewalk is to be further set back from the roadway to provide for pedestrian safety. *Figure 3* depicts the proposed ADA accessible sidewalk along the entirety of the lot frontage. Any future development in this area will be required to adhere to the same sidewalk design.



Figure 3: Circulation and access components

C. Topography

The site is generally flat. However, with any development located within the Special Flood Hazard Area, structures must be elevated a minimum of two (2) feet above the base flood elevation. Long Road Crossing Drive and N. Trade Center Blvd. sit at an elevation of approximately 454-455. The finish floor elevation of the proposed building will be 460.

One (1) retaining wall will be required along the sidewalk on N. Trade Center Blvd. The proposed wall will range from 0' to 7' and is proposed to be constructed of Versa-Lok Concrete Masonry Unit's (CMU's) in a "Timberwood Blend" color. A black pedestrian guardrail will accompany the retaining wall. The CMU and the pedestrian guardrail example may be seen in *Figure 4*.



Figure 4: CMU (left), Guardrail (right)

D. Scale

The proposed building is approximately 51,000 square feet and 36' feet in height at the roofline. A parapet would continue upward to a height of approximately 45' to aid in the screening of rooftop mechanical equipment.

E. Materials & Design

The one-story design building would be constructed of concrete tilt-up panels and painted a variation of five (5) different colors as depicted in *Figure 5*. The exact locations of each color may be found in the applicant's attached color elevations.



Figure 5: Proposed tilt-up concrete paint colors

The southwest corner of the building, which would be seen as traffic travels north on N. Trade Center Blvd from Chesterfield Airport Road, would feature accents of Cultured Stone in a "Aspen" color at the base (*Figure 6*). The Cultured Stone accents would be broken up by a series of storefront windows. The glass for the windows is detailed as "Solarban Gray + Clear". The framing would be an anodized aluminum in dark bronze which is also the color proposed for the prefinished metal parapet cap and the prefinished metal downspouts/scuppers.

Clerestory windows have been incorporated just below the roofline in addition to strategically placed knock out panels should more windows be desired in the future. Per the applicant, the "knockout areas are shown accented by a darker tone paint to also provide articulation to the taller walls of this building".

The proposed trash enclosure, located on the eastern loading dock, would be constructed of Best Block CMU's in a "Ivory" color (*Figure 7*). The gate would be a Trex Enhance Composite Decking in a "Rocky Harbor" color.

The loading dock/delivery area on the eastern portion of the site has a total of nine (9) overhead doors in addition to knock out panels should more be necessary in the future.



Figure 6: Cultured stone



Figure 7: "Ivory" CMU

F. Landscape Design and Screening

The site requires a minimum of 30% openspace. 30.66% openspace is proposed and includes the City required street trees, landscaped parking islands and monument signs, and the bio-retention areas found along the eastern property line. The bio-retention would include plantings per MSD requirements. The applicant is also proposing trees/shrubs of the evergreen variety on the north and south perimeter of the loading dock to aid in year-round screening of both the dock and the trash enclosure. *Figure 8* depicts a few of these referenced areas. The full landscape plan may be found in the applicant's attached packet.



Figure 8: Landscape components

G. Lighting

There are five (5) light poles and fourteen (14) wall packs proposed around the site. Three (3) street lights, as required, are also included with this proposal. The cutsheets for the lighting fixtures in addition to a photometric plan may be found in the attached packet. The proposed fixtures are commonly used in adjacent subdivisions.

PROPOSED RENDERING



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 Architectural Review Board will be included in Staff’s report to the Planning Commission.

Staff requests review on the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Terra Corporate Park, Lot 4.

MOTION

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

“I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Terra Corporate Park, Lot 4 as presented, with a recommendation for approval (or denial) to the Planning Commission.”

“I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Terra Corporate Park, Lot 4 to the Planning Commission with a recommendation for approval with the following recommendations...”

Attachments:

1. Architectural Review Packet Submittal



GRAY DESIGN GROUP
9 Sunnen Drive, Suite 110, Saint Louis, MO 63143

P 314 646 0400 | F 314 646 0100
info@GRAYDESIGNGROUP.COM

Architectural Review Board
City of Chesterfield Planning Department
690 Chesterfield Parkway West
Chesterfield, MO 63005

March 22, 2024

City of Chesterfield Planning Department:

We are pleased to submit this statement of design to accompany elevations, renderings, site plan, photometric and landscape plans as required to communicate the design of the new proposed Amini's Fulfillment Center at 760 North Trade Center Boulevard. Our intent is to address the pertinent requirements of Article 04 of the City Municipal Code through narrative below.

General Requirements for Site Design:

This new fulfillment center for Amini's Home Furnishings will consolidate fulfillment operations from Amini's main store and other leased space nearby into a new more efficient facility. The building is located in the center of a 4.09-acre lot and will be a one story, approximate 51,000 SF structure with a small mezzanine in the southwest corner. The building entries will face West while loading docks and drive-in doors face East. While there are currently no developed lots directly contiguous to this parcel, our building type, scale and site orientation is expected to be compatible with future neighboring commercial developments planned for this area. Safe pedestrian movement is encouraged by a new sidewalk along Long Road Crossing and North Trade Center Boulevard, as well as a continuous internal sidewalk along the front edge of parking spaces to access current and future tenant entries occurring on the west side of the building.

Circulation System and Access:

Bicycle parking is provided as shown on the civil site plan and although there are few pedestrians expected to interact with this facility, sidewalks are provided as noted in the previous section. Due to the functionality of this type of facility, employee and public parking is provided in the front of the building, loading and service areas are located in the back. We are providing landscape screening of both vehicular parking areas and loading areas.

Topography:

The existing site is relatively flat and we have generally retained the natural slope and topography of the site. Minimal grading is required to create stormwater channels and the 4' dock high condition along the east wall. A short retaining wall is introduced at the primary site intersection to create a separation in elevation from the car parking area and the northwest view of the site.

Retaining Walls:

The only site retaining wall on the site will be an architectural block wall along the west edge of the site at a height of 0' to 7' and it is screened with appropriate landscaping. The building itself is used to transition the grade to the east loading dock wall with landscaping shown along the base of the building side walls.

Building Scale:

This one-story building has an average roof elevation of 45' above the lowest point along the dock wall or 41' above the main entry façade along the west wall. This height falls within the allowable height and story limitations for this zoning ordinance and will be consistent with adjacent future commercial development. Although only one story, the building is perceived as two story by utilizing actual windows in the southwest corner and knockout openings for future windows along the north, west, and south facades. Knockout areas are shown accented by a darker tone paint to also provide articulation to the taller walls of this building.

Human Scale:

The building achieves a sense of human scale by utilizing lapped and varying height tilt-up panels to provide relief in the façade at the corners and at the center of the west elevation. In areas adjacent to pedestrian walkways between tenants, the elevation is articulated with full heights storefronts in between applied cultured stone to encourage transparency between the inside and outside of the building.

Generic Scale:

While this building is the first building within the development area, appropriate window lines, belt courses of reveals and paint, and horizontal elements indicating a base, middle, and cornice to the façade can be repeated in adjacent parcels.

Design:

The building tilt-up panels are articulated with a palette of neutral paint colors divided by architectural reveals on all four sides. Cultured stone is applied on three sides of the building near pedestrian areas. While the building is intended to incorporate subtle design influences from the Amini's main store, the design is not perceived as a corporate or franchise design intended as advertising. Clerestory windows high on the building tilt-panels below the roof structure provide natural light into the facility reducing artificial lighting requirements during working hours as well as promoting well-being for employees. Perimeter wall panels will extend above the roof edges to effectively screen mechanical units. No mechanical units will be located on the ground.

Materials and Colors:

Color choices as shown on the elevations will be compatible with other buildings in Chesterfield Valley and will not be highly reflective. The building will not be pre-fabricated and will be fully built on site.

Landscape Design and Screening:

Positioned on two public streets, the most prominent landscape element of this site will be the Street Trees located along Long Road Crossing and N. Trade Center Blvd. These trees will provide both vertical structure as well as shade for the public's views of the facility and the pedestrian users of the sidewalks. Care has been taken to site these trees to respect sight triangles at entrances, utilities and storm drainage facilities. Vehicular entrances and associated signs have been landscaped with ornamental trees, shrubs and perennials to emphasize and highlight these entrances.

Tree plantings in the parking lots are provided to allow each parking space to be within 50' of a tree. These trees will provide shade and help "break down" the scale of the parking lots.

Low shrub plantings have been located on the main entrance (west)side to provide landscape interest for the employees and guests. Larger shrub and small tree plantings are situated at the northwest and southwest corners of the building to anchor and frame the views of the main entrance.

The areas between the street and the parking and drives have been landscaped with lawns and a combination of evergreen trees, ornamental trees and shrubs. The informal design of these groupings soften the visual appearance of the linear parking and building elements.

Evergreen plantings (tree and shrubs) have been utilized to shield and screen views to the loading areas on the east side of the building. These planting are found on the landscape islands that project to the east on both the north and south ends of the proposed building.

On the eastern edge of the property, a bioretention basin will be planted with MSD approved trees, shrubs, forbs and grasses to provide the water quality requirements for this project.

All areas of the site will be provided with an automatic underground irrigation system.

Signage:

Signs will be submitted through a separate process at a later date and will adhere to the UDC.

Lighting:

Please refer to the attached Photometric Plans for light specifications and footcandle map.

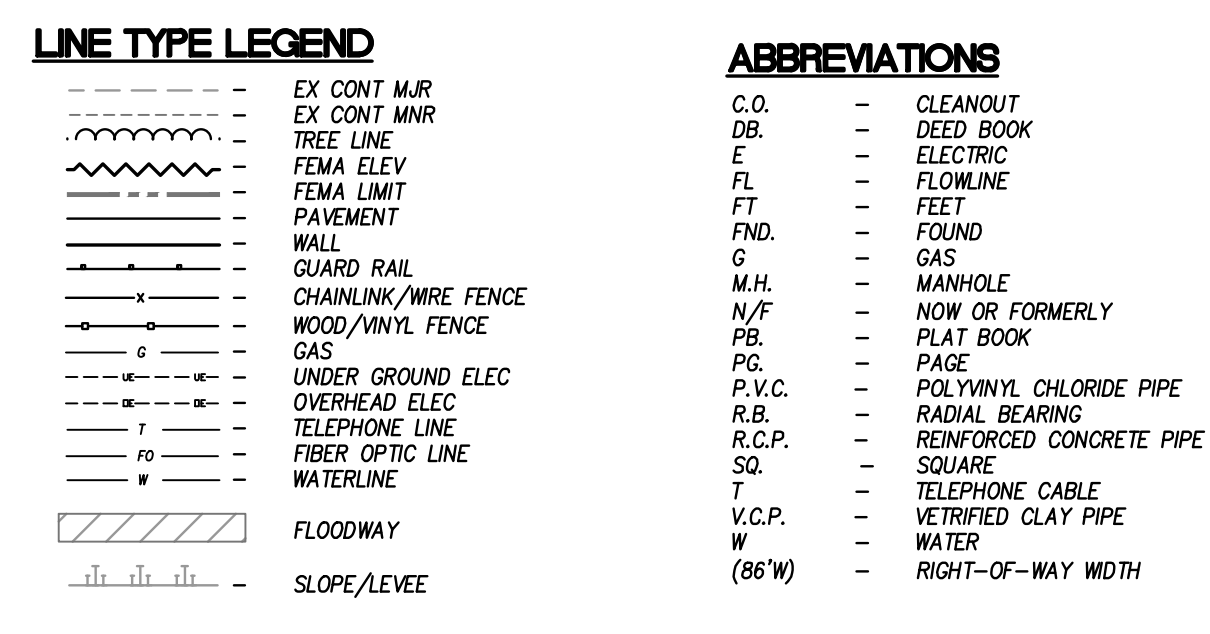
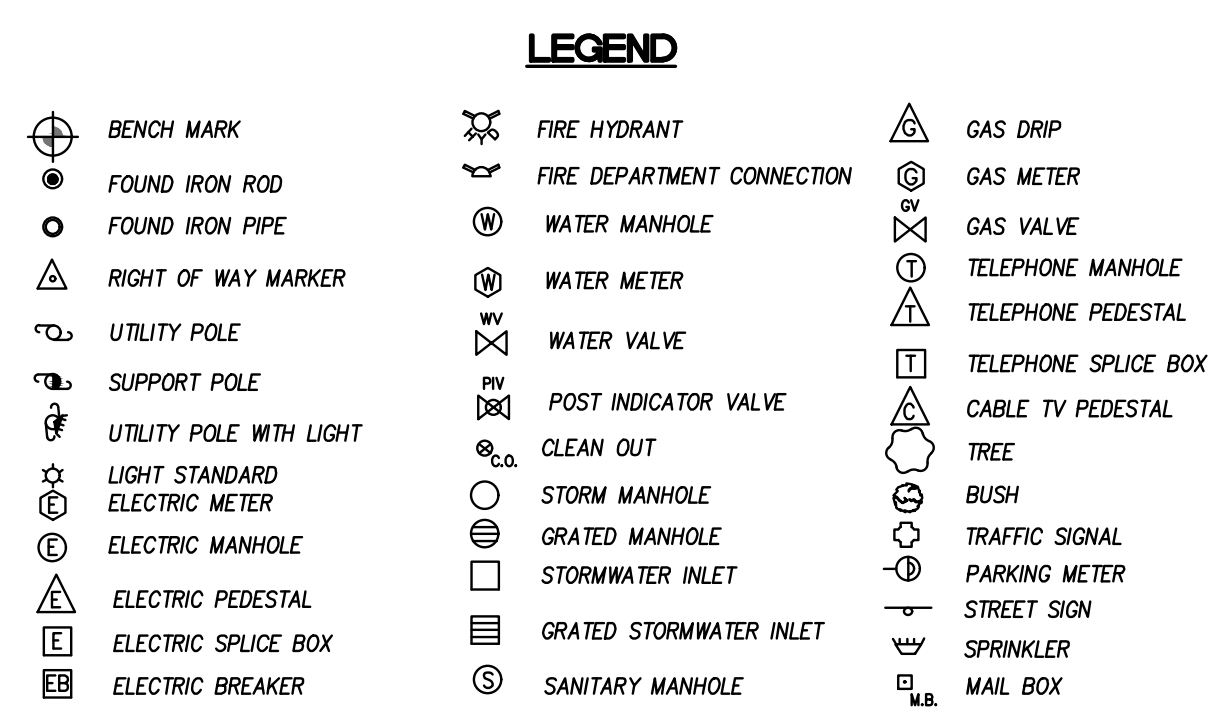
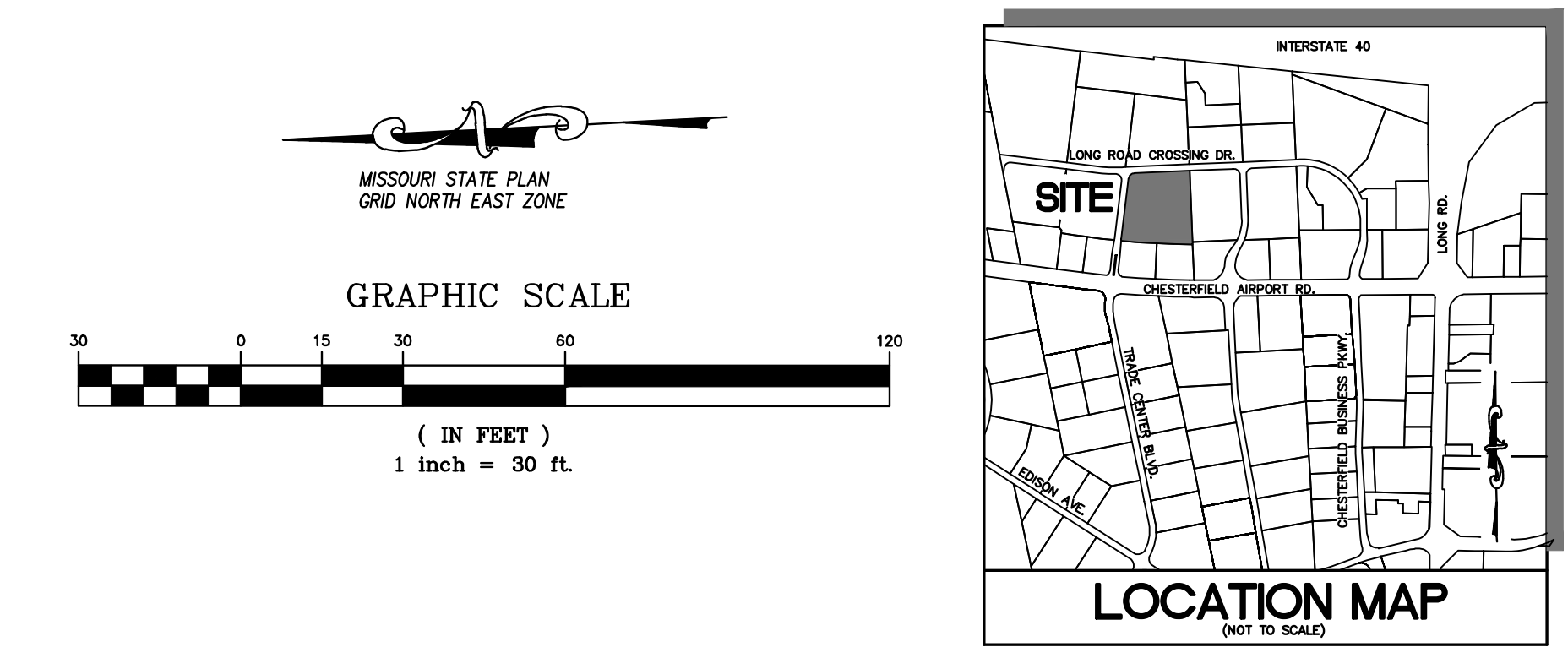
Sincerely,

A handwritten signature in black ink, appearing to read 'T. Heddinghaus', with a long horizontal stroke extending to the right.

Tobias Heddinghaus, AIA
Principal
TH/lh

SITE DEVELOPMENT SECTION PLAN

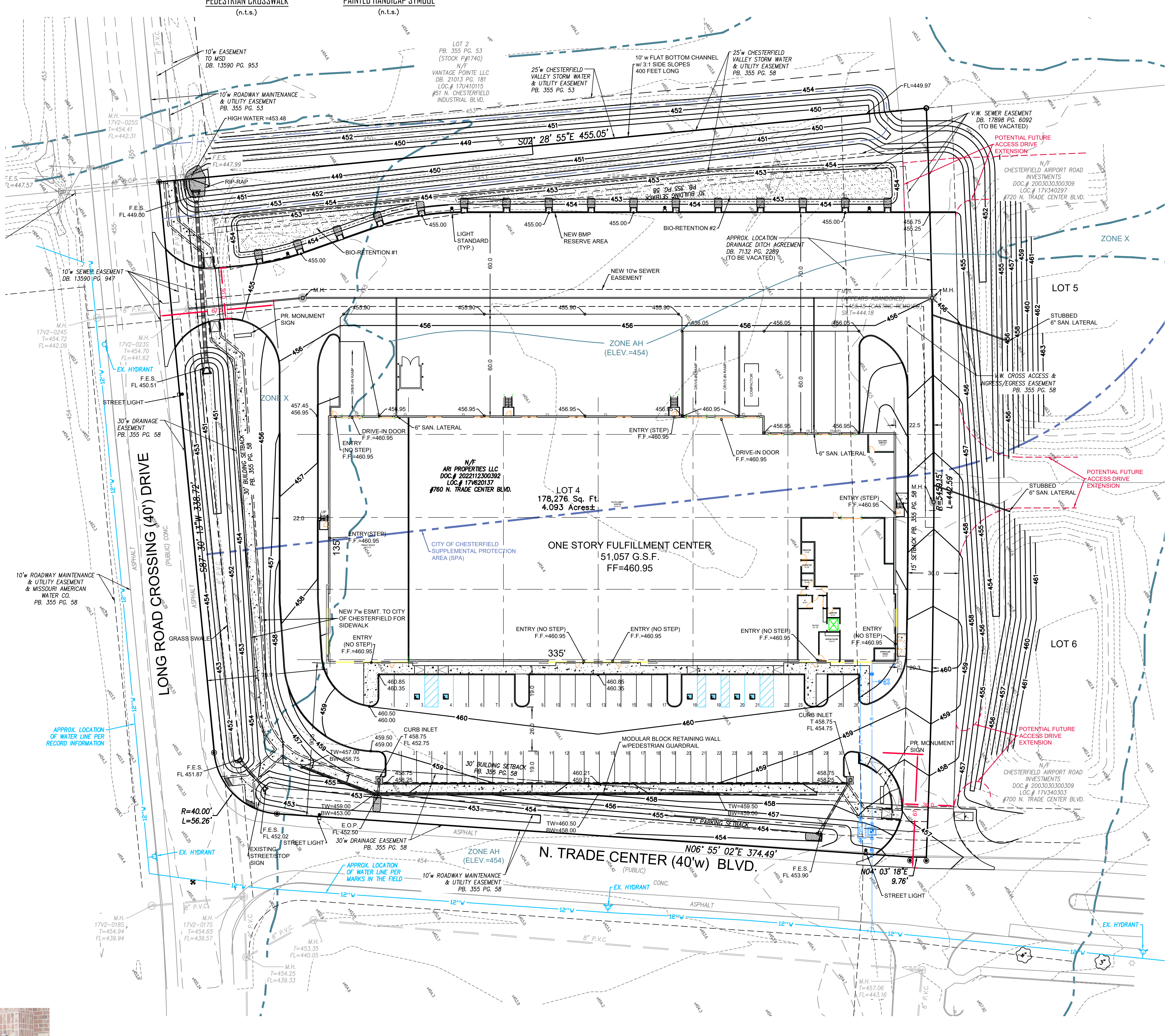
A TRACT OF LAND BEING LOT 4 OF TERRA CORPORATE PARK AS RECORDED IN PLAT BOOK 355, PAGE 58 LOCATED IN TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI



GENERAL NOTES

- BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. (BASIS OF BEARINGS: MISSOURI STATE PLAN, GRID NORTH).
- GRADING & STORM WATER PER THE CITY OF CHESTERFIELD, THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC AND MSD.
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE SHADY X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FLOODING AND FLOOD ZONE AH (ELEVATION 454, FLOOD DEPTHS OF 1 TO 3 FEET, USUALLY AREAS OF PONDS) ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP NUMBER 29188001658 WITH EFFECTIVE DATE OF 2/4/2015.
- THE REGULATORY 100-YR WATER SURFACE ELEVATION FOR SITE IS CONTROLLED BY THE CHESTERFIELD VALLEY STORM WATER MASTER PLAN MODEL, THE LOWEST FLOOR OF ANY BUILDING SHALL BE AT LEAST 1 FOOT ABOVE THE ELEVATION OF THE 100-YR WATER SURFACE OF ANY CHANNEL, WITHIN 200 FEET OF THE BUILDING FOOTPRINT. THE 100-YR HIGH WATER ELEVATION IS 453.45 IN THE TRENCH ALONG THE EAST PROPERTY LINE.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION. TO HAVE EXISTING UTILITIES FIELD LOCATED, SHOULD ANY CONFLICTS BE EVIDENT, THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.
- ARCHITECTURAL ELEVATIONS, SITE LANDSCAPING PLANS, SITE LIGHTING PLANS AND SITE SIGNAGE PLANS SHALL BE SUBMITTED TO THE CITY OF CHESTERFIELD AS INDIVIDUAL LOTS ARE DEVELOPED ON THEIR SITE DEVELOPMENT SECTION PLAN.
- ON-SITE STORM WATER DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE PLAN AND AS DIRECTED BY THE CITY OF CHESTERFIELD.
- OFF-SITE GRADING EASEMENTS, IF REQUIRED, SHALL BE EXECUTED AND RECORDED PRIOR TO THE COMMENCEMENT OF ANY OFF-SITE GRADING.
- CROSS-ACCESS EASEMENTS WHERE REQUIRED, SHALL BE EXECUTED AND RECORDED AS INDIVIDUAL LOTS ARE DEVELOPED.
- NO TREES AND LANDSCAPING MAY BE LOCATED WITHIN THE HIGH-WATER LIMITS OF THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE DITCHES.
- ALL BUILDINGS AND ROADWAYS SHALL BE ELEVATED A MINIMUM 1 FOOT ABOVE THE MAX. HIGH-WATER ELEVATION IN THE CHESTERFIELD MASTER MODEL.
- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY, M&D, AND THE CITY OF CHESTERFIELD STANDARDS.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE ST. LOUIS COUNTY, M&D AND CITY OF CHESTERFIELD STANDARDS.
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- AN ELEVATION CERTIFICATE WILL NEED TO BE COMPLETED FOR ANY STRUCTURE LOCATED WITHIN THE SUPPLEMENTAL PROTECTION AREA (SPA) AS DEFINED BY SECTION 405.05, FLOOD DAMAGE PREVENTION, OF THE CITY CODE.
- A SIGN PACKAGE IS REQUIRED FOR THIS DEVELOPMENT AND MUST BE APPROVED BY THE PLANNING COMMISSION.
- LIGHT FIXTURES SHALL NOT EXCEED 20 FEET IN HEIGHT WHEN MOUNTED ON POLES.
- THE MAXIMUM HEIGHT OF THE BUILDING, EXCLUSIVE OF ROOF SCREENING, SHALL NOT EXCEED THREE (3) STORES OR FORTY-FIVE (45) FEET (AS MEASURED FROM EXISTING GRADE, WHICHEVER IS LESS).
- SUBJECT PROPERTY IS ZONED P1 PLANNED INDUSTRIAL DISTRICT, CITY OF CHESTERFIELD ORDINANCE #2395.
- STRUCTURE SETBACKS: NO BUILDING OR STRUCTURE, OTHER THAN A PREEXISTING PROJECT IDENTIFICATION SIGN, BOUNDARY AND RETAINING WALLS, LIGHT STANDARDS, FLAG POLES OR FENCES WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS: THIRTY (30) FEET FROM THE EAST AND WEST PROPERTY LINES OF THIS DEVELOPMENT. THIRTY (30) FEET FROM THE RIGHT-OF-WAY FROM PRINCIPAL INTERNAL STREETS. FIFTEEN (15) FEET FROM INTERNAL LOT LINES IN THIS DEVELOPMENT.
- PARKING SETBACKS: NO PARKING STALL, LOADING SPACE, INTERNAL DRIVEWAY, OR ROADWAY, EXCEPT POINTS OF INGRESS OR EGRESS, WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS: THIRTY (30) FEET FROM THE EAST AND WEST PROPERTY LINES OF THIS DEVELOPMENT. TEN (10) FEET FROM INTERNAL PROPERTY LINES WITH THE EXCEPTION OF SHARED DRIVEWAYS. FIFTEEN (15) FEET FROM THE PRINCIPAL INTERNAL STREET.
- PARKING CALCULATIONS: GROSS FLOOR AREA = 51,057 S.F.

	MIN.	MAX.
TENANT 1 = 6,636 S.F.		
OFFICE: (6,636) MIN 3.3/1000 (MAX 4.5/1000)	22 SPACES	30 SPACES
TENANT 2 = 44,421 S.F.		
OFFICE: (4,560) MIN 3.3/1000 (MAX 4.5/1000)	15 SPACES	21 SPACES
WAREHOUSE: (24 EMPLOYEES)	8 SPACES	29 SPACES
MIN 2/3 EMP (1.2/1 EMP)		
REQUIRED SPACES:		
PROVIDED SPACES: 55 SPACES		80 SPACES
PROVIDED LOADING: 5 SPACES (3 REQ. PER TABLE A)		
- OPEN SPACE CALCULATION: LOT AREA = 178,276 S.F. BUILDING = 48,057 S.F. (26.98%) PAVEMENT = 75,554 S.F. (42.38%) OPENSPACE = 54,665 S.F. (30.66%)
- FLOOR AREA RATIO: TOTAL FLOOR SPACE/LOT AREA BUILDING = 51,057 S.F. 51,057 / 178,276 = 0.28 F.A.R.

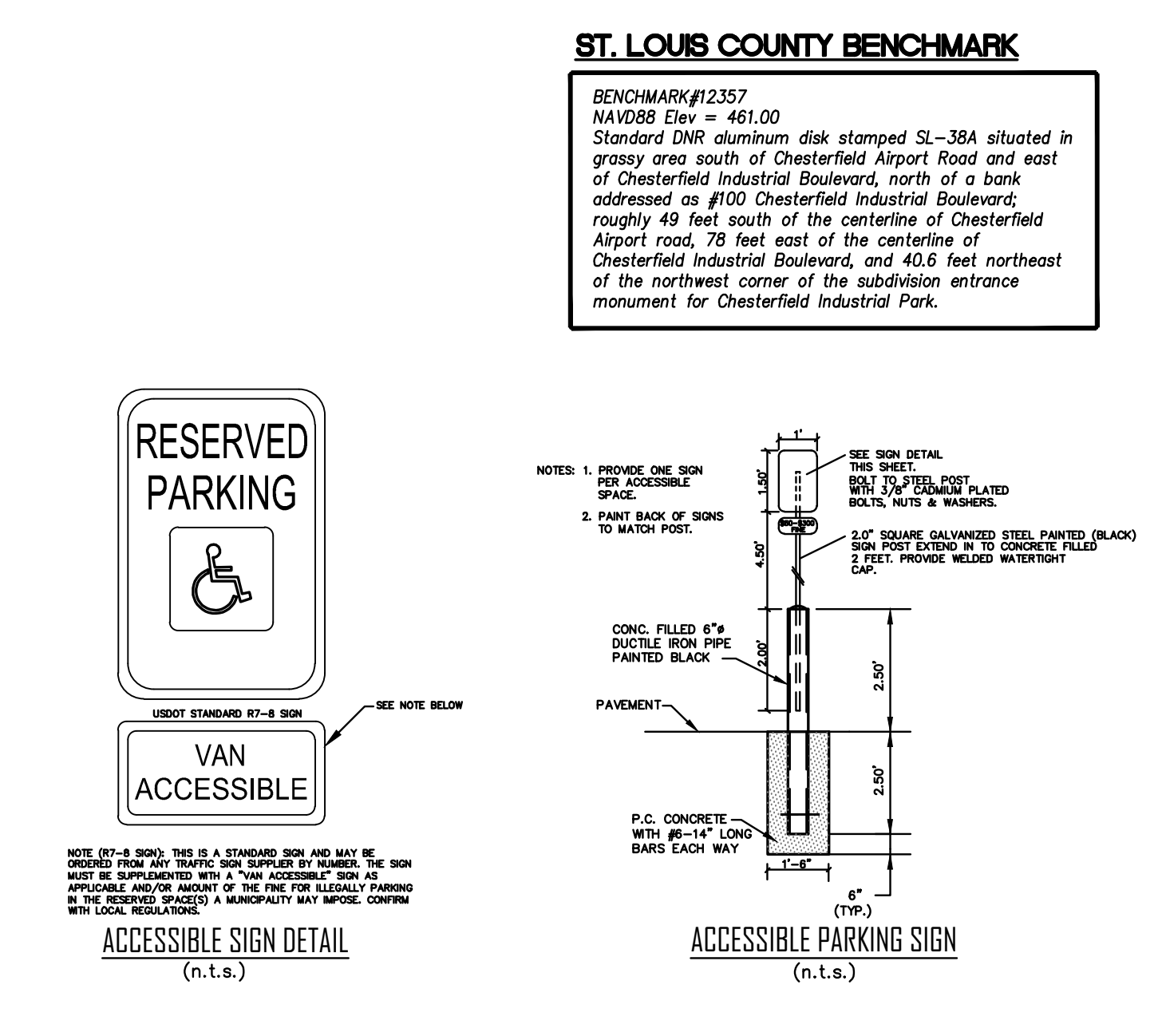


PROPERTY DESCRIPTION

A tract of land being all of Lot 4 of Terra Corporate Park, according to the plat thereof as recorded in Plat Book 355 page 58 of the St. Louis County Records, located in Township 45 North, Range 3 East of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri being more particularly described as follows:

Beginning at a found iron rod located at the northeast corner of said Lot 4, said point also being located on the south right-of-way line of Long Road Crossing Drive, 40 feet wide; said point also being located on the west line of Long Road Crossing Lipton Parcel according to the plat thereof recorded in Plat Book 355 page 53, thence along the common line of said Lot 4 and Long Road Crossing Lipton Parcel subdivision, South 02 degrees 28 minutes 55 seconds East, 455.05 feet to the east corner of said Lot 4, said point also being located on a non-largent curve to the right having a radius of 5,495.15 feet, thence along the south line of Lot 4 and along said curve with an arc length of 442.58 feet and a chord which bears North 86 degrees 59 minutes 26 seconds West, 442.47 feet to the east right-of-way line of N. Trade Center Boulevard, 40 feet wide; thence along said east right-of-way line the following courses and distances: North 04 degrees 03 minutes 18 seconds East, 9.76 feet; North 08 degrees 55 minutes 02 seconds East, 374.49 feet to a found iron rod located at the point of curvature of a curve to the right having a radius of 40.00 feet and an arc length of 53.26 feet to a found iron rod located on the south right-of-way of above said Long Road Crossing Drive; thence along said south right-of-way line, North 87 degrees 30 minutes 13 seconds East, 338.72 feet to the POINT OF BEGINNING.

Containing 178,276 square feet or 4.093 acres, more or less.



ARI PROPERTIES, LLC, the owner 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, (applicable subsection) (present Zoning) 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: _____

State of _____)
County of _____) SS.
On this _____ day of _____, A.D., 2024, before me personally appeared _____ (Official of Corporation) to me known, who, being by me sworn in, did say that he/she is the _____ (Title) of _____ (Name of Corporation) a corporation in the State of _____, and that the seal affixed to the foregoing instruments 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 _____ (Official of Corporation) acknowledged said instrument to be the free act and deed of said corporation.

In testimony whereof, I have hereunto set my hand and affixed my Notarial Seal at my office in _____ (County and State) _____ the _____ day and year last above written.

My term expires _____
Notary Public _____



Components	Residential Series	Commercial Series	Industrial Series
Pickets	1/2" sq. x .050	1/2" sq. x .055	1" sq. x .082
Light Commercial Picket	1" x 3/8" x .050	1 1/4" x .088	1 1/4" x .088
Side Wall	1 1/4" x .080	2" sq. x .080	2 1/2" sq. x .100
Standard Posts	2" sq. x .080	2" sq. x .125	3" sq. x .125
	2 1/2" sq. x .125	2 1/2" sq. x .100	3" sq. x .125
	2 1/2" sq. x .100	3" sq. x .125	3" sq. x .125
	3" sq. x .125	3" sq. x .125	4" sq. x .125
	2 1/2" sq. x .100	4" sq. x .125	4" sq. x .125
Picket Spacing	3 3/4"	3 3/4"	3 3/4"
	1 1/4" optional	1 1/4" optional	1 1/4" optional
Post Spacing	72 1/2" on center	72 1/2" on center	72 1/2" on center
	8" wide optional	8" wide optional	8" wide optional
Heights Available	36" 42" 48"	36" 42" 48"	36" 48" 60" 72"
	54" 60" 72"	54" 60" 72"	84" 96" 108" 120"

GEOTECHNICAL ENGINEER'S STATEMENT

Midwest Testing, at the request of Contegra Construction Company has provided geotechnical services for the project proposed hereon. A geotechnical investigation titled "Geotechnical Exploration, Amini's Fulfillment Center, Chesterfield, Missouri", April 16, 2024, Midwest No. 15883. Our findings indicate that the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our Geotechnical Report.

Engineer: _____
Date: 04-22-24

SURVEYOR CERTIFICATE

This is to certify that Stock & Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from an actual survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
LC 222-D

By: _____
Walter J. Pfeifer, Missouri & L.S. No. 2687-000728

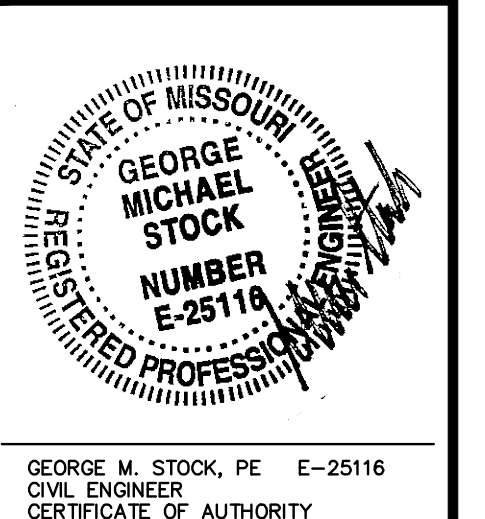
PREPARED BY:
STOCK & ASSOCIATES
Consulting Engineers, Inc.

257 Chesterfield Business Parkway
St. Louis, MO 63005
PH: (636) 500-3000
FAX: (636) 500-3000
E-mail: general@stockassoc.com
Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN

Amini's Fulfillment Center

760 N. TRADE CENTER BLVD.
CHESTERFIELD, MO 63005



REVISIONS:	DATE	DESCRIPTION
1	03/25/24	City Comments 4/23/24

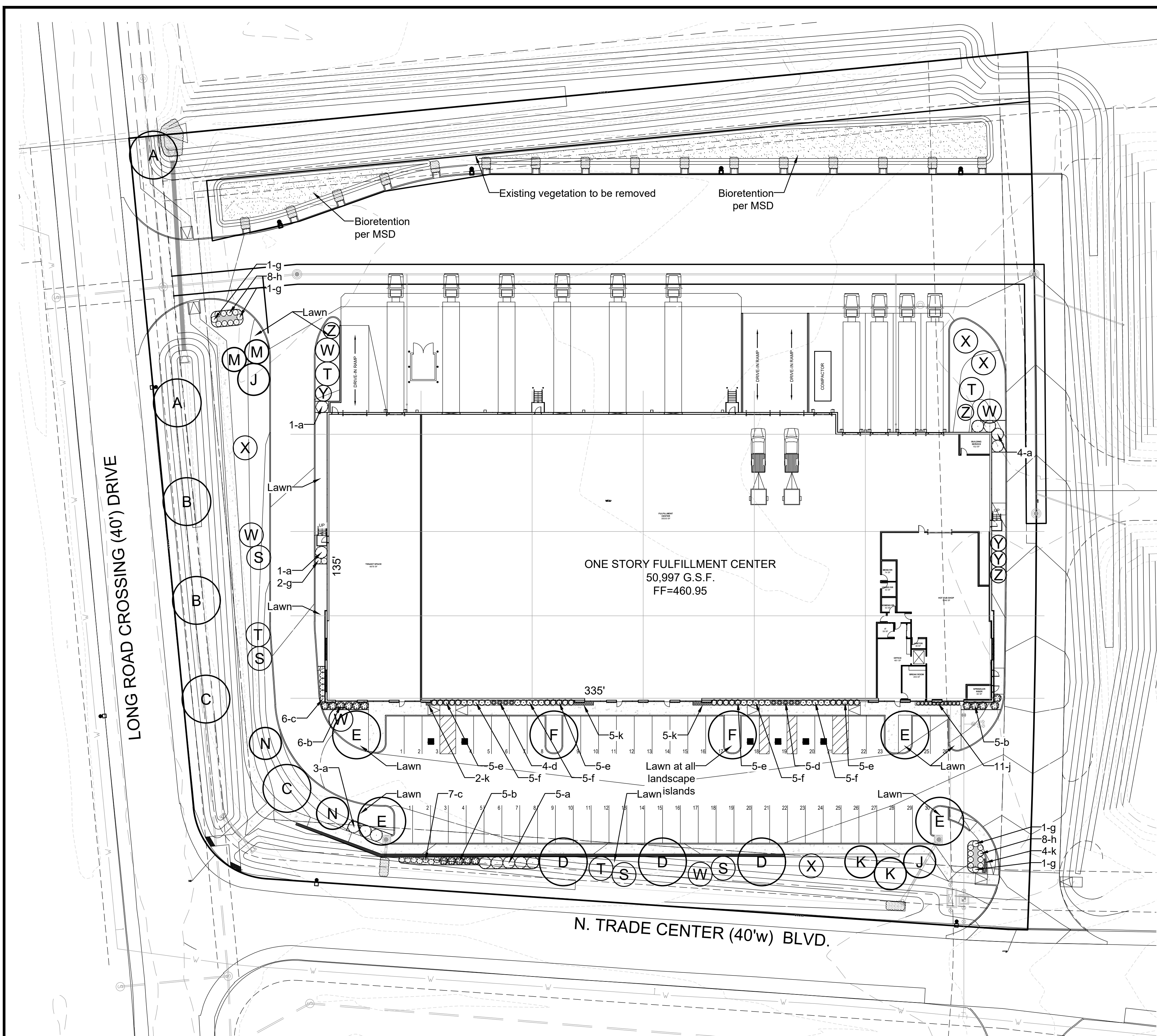
SHOWN BY: J.E.F. DRAWN BY: G.M.S.
DATE: 03/25/24 JOB NO.: 2021-7131.1
SHEET NO.: 24MSD-17-V
SHEET TITLE: SITE DEVELOPMENT SECTION PLAN
SHEET NO.: SD-1



Jerald Saunders - Landscape Architect
MO License # LA-007

Consultants:

Amini's Fulfillment Center
760 North Trade Center Boulevard
Chesterfield, Missouri 63005



General Notes (Per City of Chesterfield Tree Preservation and Landscape Requirements):

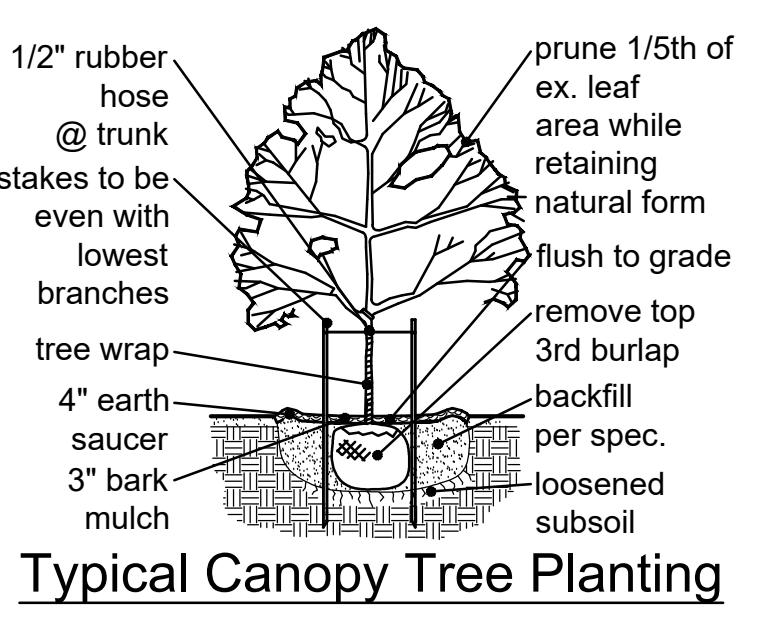
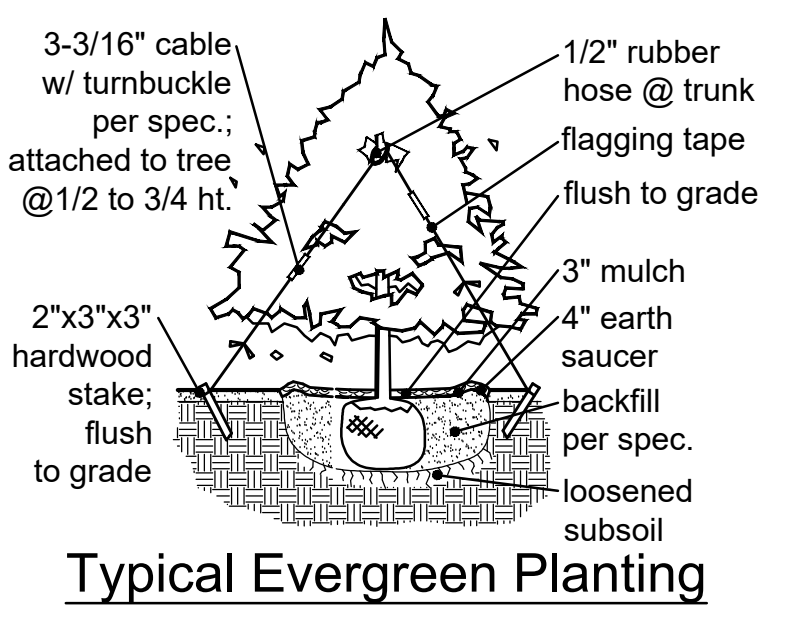
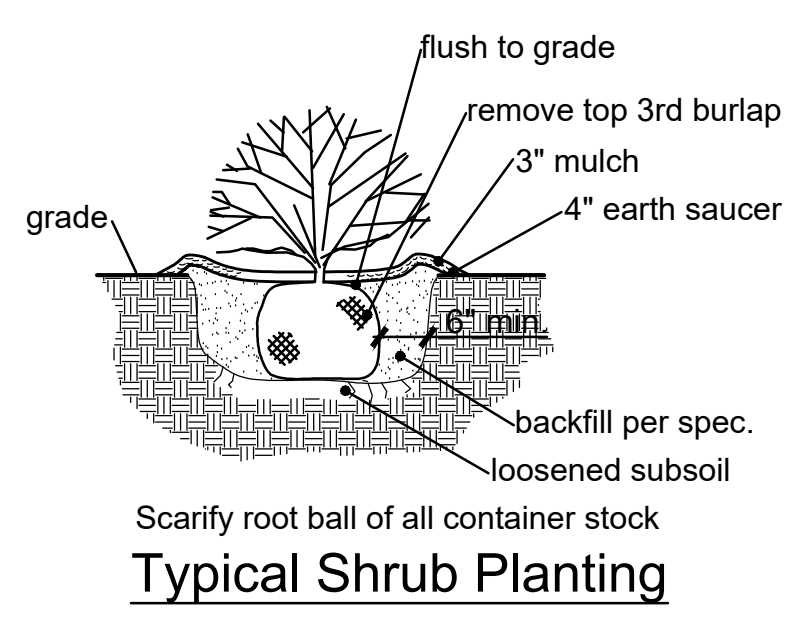
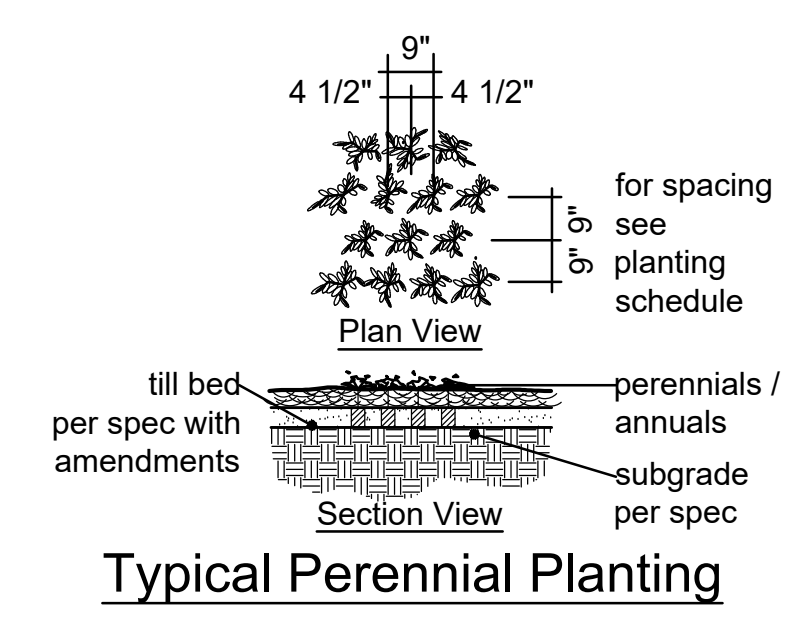
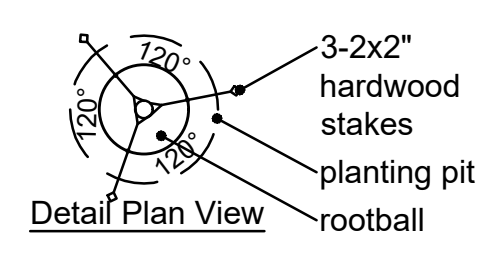
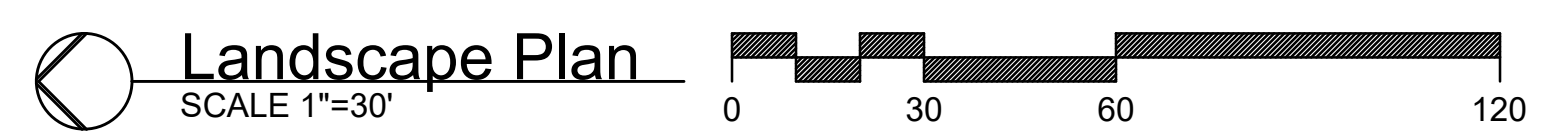
- 1) Street trees shall be located within a street right-of-way unless so approved by variance.
- 2) Street trees shall not be planted closer than three (3) feet to any curb.
- 3) Street trees shall not be placed within twenty-five (25) feet of street lights, street signs and intersections.
- 4) No trees shall be planted within ten (10) feet of street inlets or manholes.

Landscape Notes:

- 1) All existing volunteer trees and vegetation to be removed at proposed grading locations.
- 2) Lawn areas shall be turf-type Tall Fescue Grass or approved equivalent.
- 3) Topsoil in all disturbed lawn areas at 6" depth.
- 4) Soil mix in all shrub beds at 8" depth.
- 5) All mulch to be double ground bark mulch.
- 6) Bed edges to be spade cut.
- 7) All landscaped areas, including islands, shall be provided with mechanical, in-ground irrigation system. Contractor to provide design-build drawings for review by Landscape Architect.

PLANTING SCHEDULE

ID	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	SIZE / GROWTH RATE	GROWTH RATE %	
CANOPY-SHADE TREE								
A	2	Tilia cordata	Littleleaf Linden	2.5" caliper	B & B	Lg/Slow-M	4.35 %	
B	2	Gleditsia triacanthos inermis	Honeylocust (thornless)	2.5" caliper	B & B	Lg / Fast		
C	2	Quercus bicolor	Swamp White Oak	2.5" caliper	B & B	Lg / Med	4.35 %	
D	3	Quercus rubra	Northern Red Oak	2.5" caliper	B & B	Lg / M-Fast		
E	4	Acer saccharum	Sugar Maple	2.5" caliper	B & B	Lg/Slow-M	8.69 %	
F	2	Acer rubrum	Red Maple	2.5" caliper	B & B	Lg. / Fast		
UNDERSTORY-ORNAMENTAL TREE								
J	2	Magnolia x soulangiana	Saucer Magnolia	2.5" caliper	B & B	M / Slow-M	4.35 %	
K	2	Amelanchier arborea	Serviceberry	2.5" caliper	B & B	M / Slow-M	4.35 %	
M	2	Magnolia stellata 'Royal Star'	Royal Star Magnolia	2.5" caliper	B & B	Sm / Med	4.35 %	
N	2	Cercis canadensis	Redbud	2.5" caliper	B & B	Med / Fast		
EVERGREEN TREE								
S	4	Pinus strobus	White Pine	6' tall	B & B	Lg / Fast		
T	4	Picea pungens	Colorado Blue Spruce	6' tall	B & B	Med / Med	8.69 %	
W	5	Picea glauca	White Spruce	6' tall	B & B	Med / Med	10.87 %	
X	4	Ilex opaca	American Holly	6' tall	B & B	Lg / Slow	8.69 %	
Y	3	Juniperus chinensis 'Blue Point'	Blue Point Juniper	6' tall	B & B	Sm/Slow-M	6.52 %	
Z	3	Juniperus chinensis 'Keteleeri'	Keteleeri Juniper	6' tall	B & B	Sm/Slow-M	6.52 %	
							Total %	71.73 %
SHRUBS-ORNAMENTAL GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER								
a	14	Juniperus x pfitzeriana 'Sea Green'	Sea Green Juniper	18"	72" o.c.			
b	16	Ilex glabra 'Compacta'	Compact Inkberry	18"	48" o.c.			
c	13	Ilex glabra 'ILEXFARROWTRACEY'	Strongbox Inkberry Holly	18"	36" o.c.			
d	9	Hydrangea paniculata 'SMNHPK'	Fire Light Tidbit Panicle Hydrangea	18"	36" o.c.			
e	20	Hydrangea paniculata 'SMNHPSB'	Tiny Quick Fire Panicle Hydrangea	18"	36" o.c.			
f	20	Buxus x 'Green Gem'	Green Gem Boxwood	18"	36" o.c.			
g	6	Juniperus horizontalis 'Youngstown'	Youngstown Andorra Juniper	12"	36" o.c.			
h	16	Aronia melanocarpa 'UCCONAM012'	Ground Hug Chokeberry	12"	36" o.c.			
j	11	Iberis sempervirens	Candytuft	1 quart	24" o.c.			
k	16	Sedum spathulifolium 'Cape Blanco'	Cape Blanco Stonecrop	2" cell plug	24" o.c.			



Revisions:

Date	Description	No.
4/23/24	City Comments	1

Drawn: KP
Checked: RS

LOOMIS ASSOCIATES
landscape architects + planners
750 spirit of park drive, chesterfield, missouri 63005
t. 636-519-8668
www.loomis-associates.com

Sheet Title: Landscape Plan
Sheet No: **L1.01**
Date: 3/22/24
Job #: 1077.002

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

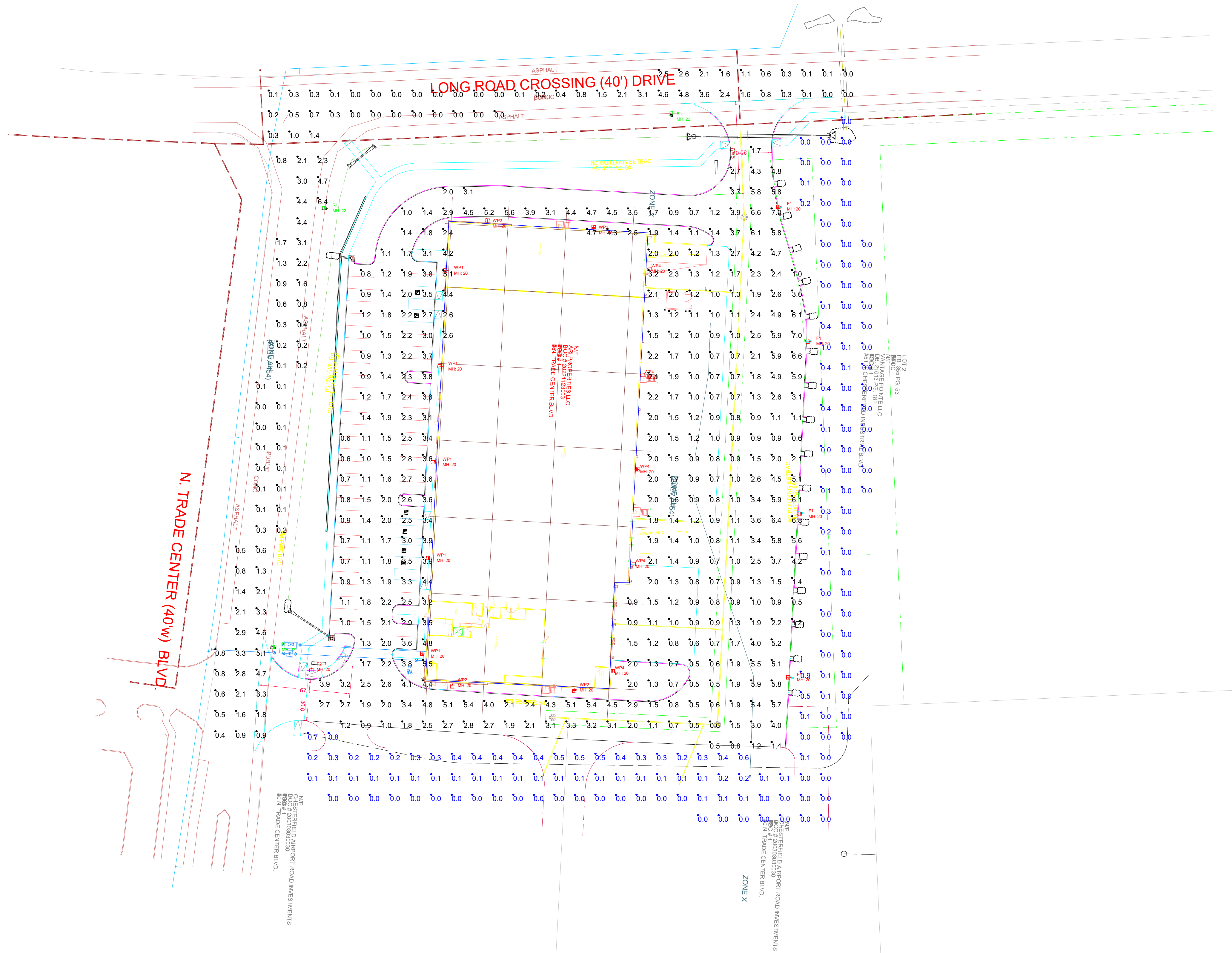
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LONG ROAD CROSSING	Illuminance	Fc	0.79	4.8	0.0	N.A.	N.A.
N TRADE CENTER	Illuminance	Fc	1.47	6.4	0.0	N.A.	N.A.
SITE	Illuminance	Fc	2.31	7.0	0.5	4.6	14.0
SPILL LIGHT	Illuminance	Fc	0.11	1.0	0.0	N.A.	N.A.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
	4	F1	Single	1.000	213	852	GALN-SA4C-740-U-T4W-HSS
	1	F2	Single	1.000	57	57	GALN-SA1C-740-U-SLL-HSS
	3	R1	Single	1.000	121	363	GALN-SA3B-740-U-T2
	5	WP1	Single	1.000	108	540	GALN-SA2C-740-U-T4FT-WM
	4	WP2	Single	1.000	108	432	GALN-SA2C-740-U-T3-WM
	5	WP4	Single	1.000	65	325	GALN-SA1D-740-U-T4FT

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE AND
EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

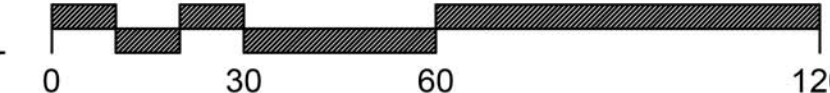




Landscape Totals

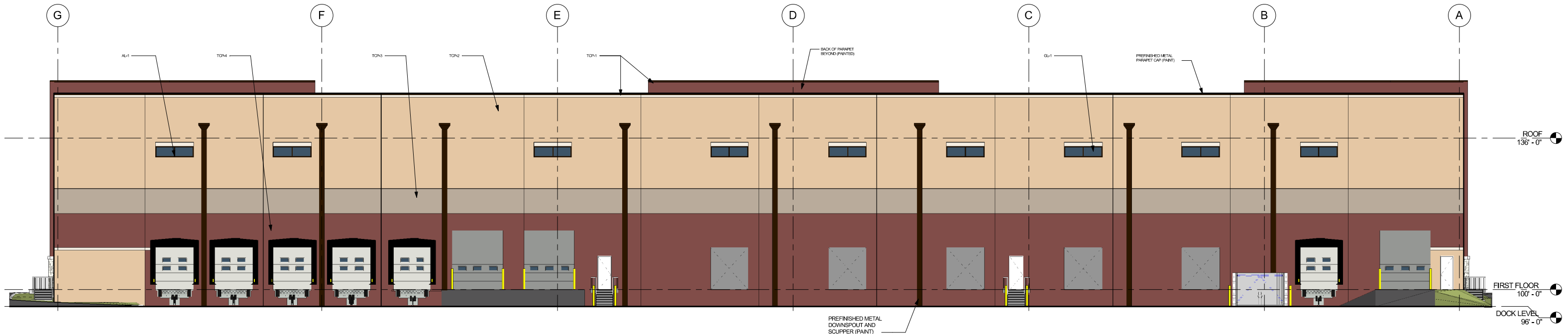
- 15 Canopy Trees
- 8 Understory Trees
- 23 Evergreen Trees
- 46 Total Trees**
- 141 Total Shrubs/Groundcover**

Landscape Plan
SCALE 1"=30'

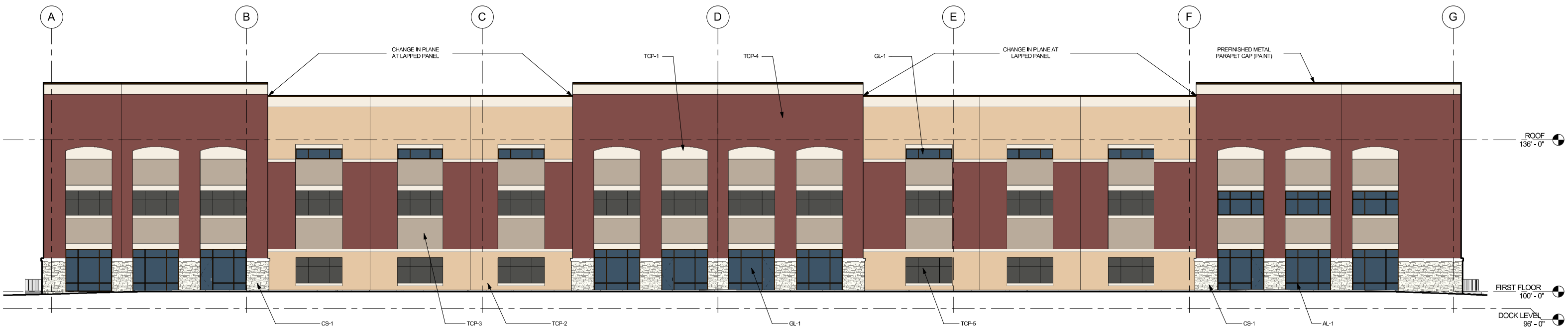


Amini's Fulfillment Center

760 North Trade Center Boulevard
Chesterfield, Missouri 63005



OVERALL - EAST ELEVATION
3/32" = 1'-0"

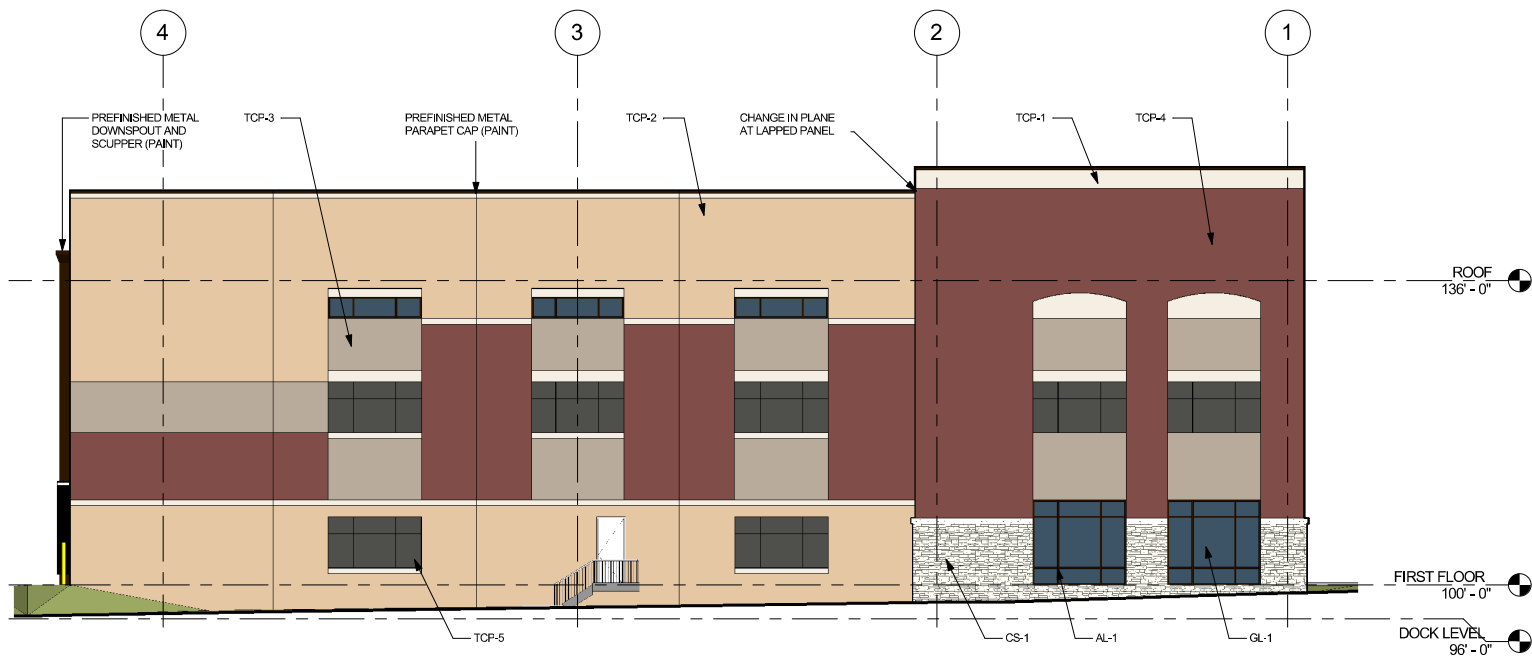


OVERALL - WEST ELEVATION
3/32" = 1'-0"

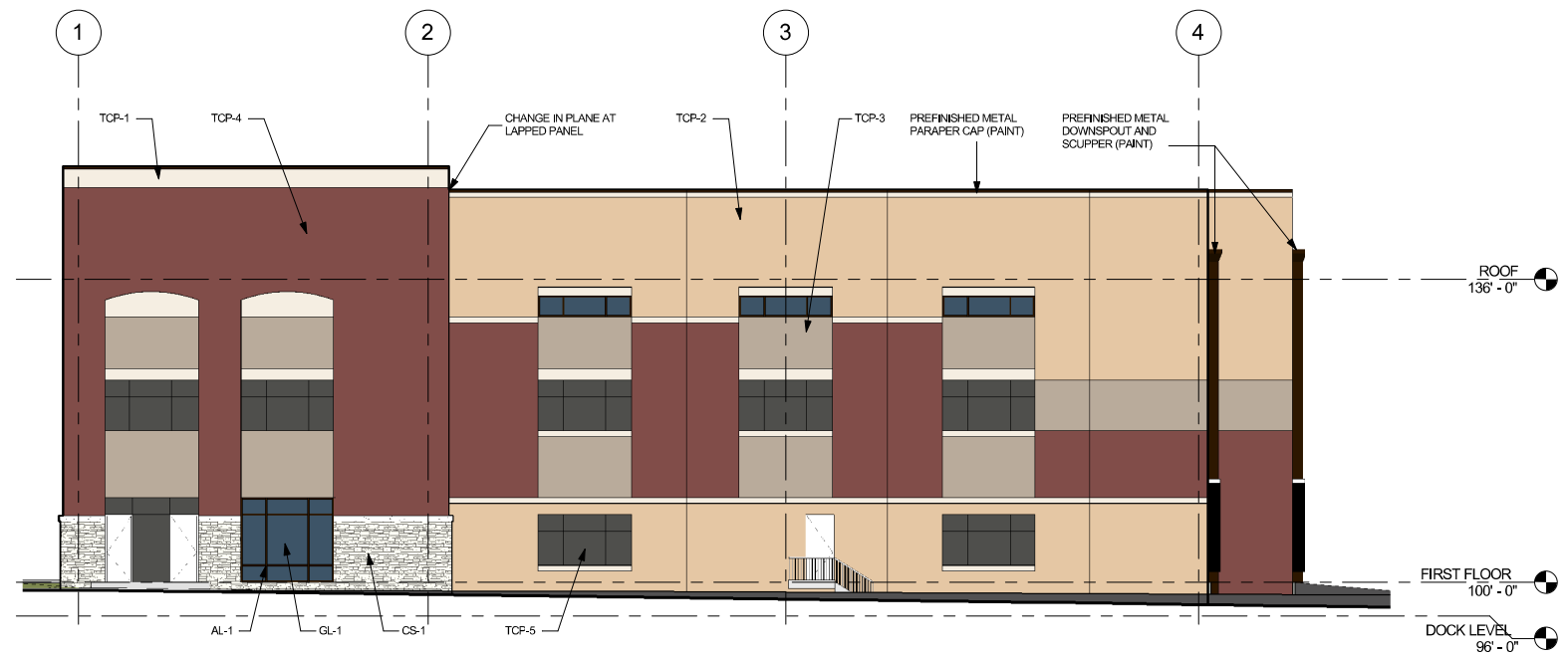
MATERIAL SQUARE FOOTAGES:
WEST ELEVATION:
 TCP-1 - 1881 SQ.FT.
 TCP-2 - 2554 SQ.FT.
 TCP-3 - 2211 SQ.FT.
 TCP-4 - 6090 SQ.FT.
 TCP-5 - 1247 SQ.FT.
 CS-1 - 618 SQ.FT.
 GL-1 - 1468 SQ.FT.
TOTAL: 16,069 SQ.FT.

MATERIAL SQUARE FOOTAGES:
EAST ELEVATION:
 TCP-1 - 320 SQ.FT.
 TCP-2 - 7,315 SQ.FT.
 TCP-3 - 2,003 SQ.FT.
 TCP-4 - 5,197 SQ.FT.
 TCP-5 - 0 SQ.FT.
 CS-1 - 0 SQ.FT.
 GL-1 - 205 SQ.FT.
TOTAL: 15,040 SQ.FT.

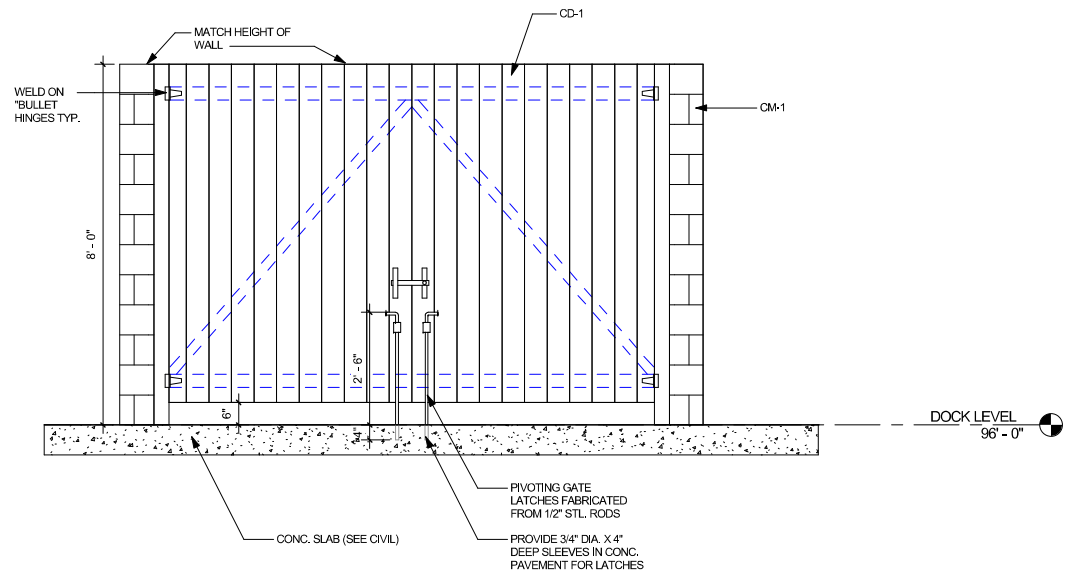




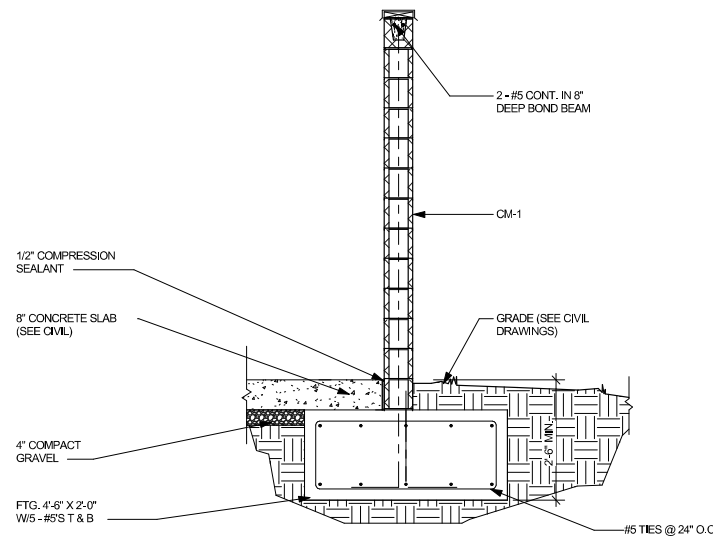
OVERALL - NORTH ELEVATION
3/32" = 1'-0"



OVERALL - SOUTH ELEVATION
3/32" = 1'-0"



TRASH ENCLOSURE GATE
1/2" = 1'-0"



TRASH ENCLOSURE BRICK SECTION
1/2" = 1'-0"

MATERIAL SQAURE FOOTAGES:

NORTH ELEVATION:

- TCP-1 - 465 SQ.FT.
- TCP-2 - 2,534 SQ.FT.
- TCP-3 - 939 SQ.FT.
- TCP-4 - 2,205 SQ.FT.
- TCP-5 - 463.5 SQ.FT.
- CS-1 - 271.5 SQ.FT.
- GL-1 - 298.5 SQ.FT.

TOTAL: 7,176.5 SQ.FT.

MATERIAL SQAURE FOOTAGES:

SOUTH ELEVATION:

- TCP-1 - 475 SQ.FT.
- TCP-2 - 2,374 SQ.FT.
- TCP-3 - 939 SQ.FT.
- TCP-4 - 2,325.5 SQ.FT.
- TCP-5 - 521 SQ.FT.
- CS-1 - 236 SQ.FT.
- GL-1 - 194 SQ.FT.

TOTAL: 7,094.5 SQ.FT.

AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

N/S ELEVATIONS

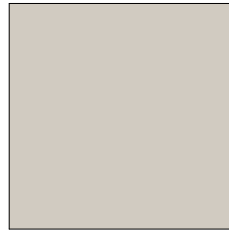
123421.00

04/23/24

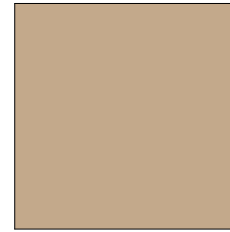


EXTERIOR MATERIALS LIST

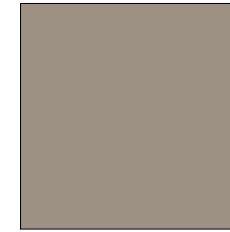
- TCP-1 TILT-UP CONCRETE PANEL (PAINTED)
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: SW7029
TEXTURE: SMOOTH
- TCP-2 TILT-UP CONCRETE PANEL (PAINTED)
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: SW7690
TEXTURE: SMOOTH
- TCP-3 TILT-UP CONCRETE PANEL (PAINTED)
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: SW7504
TEXTURE: SMOOTH
- TCP-4 TILT-UP CONCRETE PANEL (PAINTED)
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: SW7594
TEXTURE: SMOOTH
- TCP-5 TILT-UP CONCRETE PANEL (PAINTED)
MANUFACTURER: SHERWIN-WILLIAMS
COLOR: SW7069
TEXTURE: SMOOTH
- GL-1 SOLARBAN 60 (2) INSULATED GLASS
MANUFACTURER: VITRO
COLOR: SOLARBANGRAY + CLEAR GLASS
- AL-1 ALUMINUM STOREFRONT WINDOWS AND ENTRY SYSTEM
MANUFACTURER: KAWNEER
COLOR: DARK BRONZE ANODIZED NO.40
- CD-1 COMPOSITE DECKING
MANUFACTURER: TREX ENHANCE
COLOR: ROCKY HARBOR
- CS-1 CULTURED STONE
MANUFACTURER: CULTURED STONE BY BORAL
COLOR: ASPEN
TEXTURE: COUNTRY LEDGESTONE
- CM-1 CONCRETE MASONRY UNIT - TRASH ENCLOSURE
MANUFACTURER: MIDWEST BLOCK & BRICK
COLOR: EARL GREY
TEXTURE: SPLIT FACE
- CM-2 CONCRETE MASONRY UNIT - RETAINING WALL
MANUFACTURER: MIDWEST BLOCK & BRICK
COLOR: EARTHWOOD
TEXTURE: SMOOTH



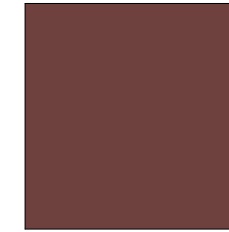
TCP-1



TCP-2



TCP-3



TCP-4



TCP-5



GL-1



AL-1



CD-1



CS-1



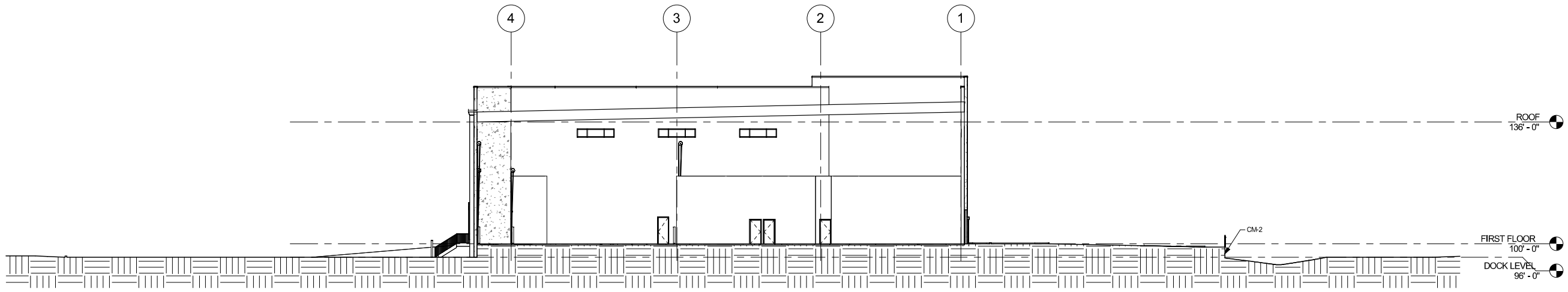
CM-1



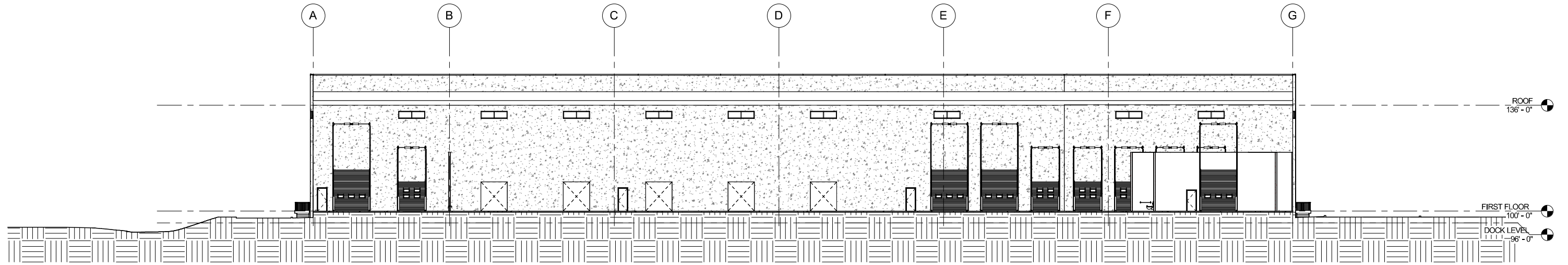
CM-2

- GENERAL NOTES:
1. ALL MATERIALS LISTED SUBJECT TO SUBSTITUTION AS DEVELOPMENT PROGRESSES.
 2. PREFINISHED METAL PARAPET CAP, DOWNSPOUT, AND SCUPPER PAINT TO MATCH AL-1





SITE SECTION E/W
1/16" = 1'-0"



SITE SECTION N/S
1/16" = 1'-0"

AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SITE SECTIONS

123421.00

04/23/24





AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SW CORNER RENDER

123421.00

04/23/24



gray



AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SITE PHOTO NORTH

123421.00

04/23/24



gray



AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SITE PHOTO EAST

123421.00

04/23/24



gray



AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SITE SOUTH

123421.00

04/23/24



gray



AMINI'S FULFILLMENT CENTER

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SITE PHOTO WEST

123421.00

04/23/24



gray

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 11](#)

Quick Facts

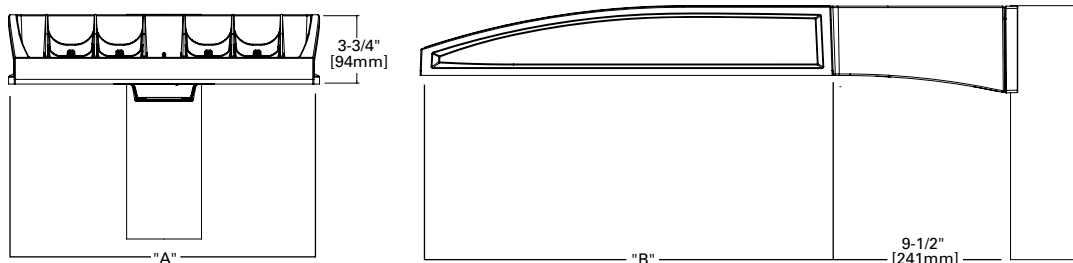
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

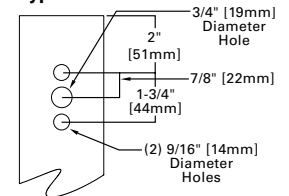
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES:
For arm selection requirements and additional line art, see Mounting Details section.


NOTES:
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

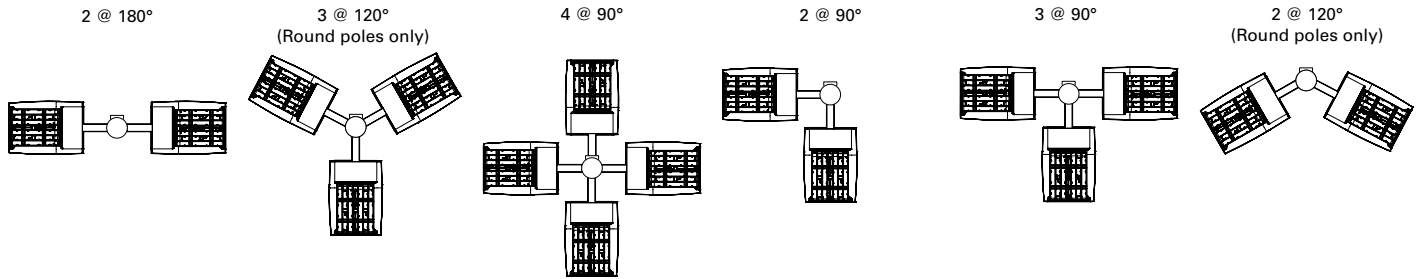
Product Family ^{1,2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GALN =Galleon II BAA-GALN =Galleon II Buy American Act Compliant ²⁶ TAA-GALN =Galleon II Trade Agreements Act Compliant ²⁶	SA1 =1 Square SA2 =2 Squares SA3 =3 Squares SA4 =4 Squares SA5 =5 Squares SA6 =6 Squares SA7 =7 Squares SA8 =8 Squares SA9 =9 Squares	A =600mA B =800mA C =1000mA D =1200mA ^{4,16} Z =Configured ²²	722 =70CRI, 2200K 727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K 835 =80CRI, 3500K 840 =80CRI, 4000K 930 =90CRI, 3000K 935 =90CRI, 3500K 940 =90CRI, 4000K 950 =90CRI, 5000K AMB =Amber, 590nm ^{14,16}	U =120-277V H =347V-480V ^{7,29} 1=120V 2=208V 3=240V 4=277V 8=480V ^{7,29} 9=347V ⁷ DV =277V-480V DuraVolt Drivers ^{28,29,30}	T1 =Type I T2 =Type II T2R =Type II Roadway T3 =Type III T3R =Type III Roadway T4FT =Type IV Forward Throw T4W =Type IV Wide 5N =Type V Narrow 5M =Type V Square Medium 5W =Type V Square Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SL =90° Spill Light Eliminator Left SLR =90° Spill Light Eliminator Right RW =Rectangular Wide Type I AF =Automotive Frontline	[Blank] =Standard Pole Mount Arm QU =Quick Mount Universal Arm QM =Pole Mount Arm with Quick Mount Adaptor PA =Pole Mount, Adjustable SP =3" Slipfitter, Adjustable ⁸ SP2 =2-3/8" Slipfitter, Adjustable ⁸ QMA =Quick Mount Mast Arm, Fixed MA =Mast Arm, Fixed WM =Wall Mount, Fixed WA =Wall Mount, Adjustable UP =Upswept Arm	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White RALXX =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)		Accessories (Order Separately) ²⁷		
DIM =External 0-10V Dimming Leads ¹⁹ F =Single Fuse (120, 277 or 347V Specify Voltage) FF =Double Fuse (208, 240 or 480V Specify Voltage) 2K =20kV UL 1449 fused surge protective device ¹⁰ 2L =Two Circuits ¹⁰ HA =50°C High Ambient HSS =Installed House Side Shield ¹⁷ GRSBK =Glare Reducing Shield, Black ²² GRSWH =Glare Reducing Shield, White ²² LCF =Light Square Trim Painted to Match Housing ²⁵ TH =Tool-less Door Hardware ⁵ CC =Coastal Construction finish ³ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right AHD145 =After Hours Dim, 5 Hours ²¹ AHD245 =After Hours Dim, 6 Hours ²¹ AHD255 =After Hours Dim, 7 Hours ²¹ AHD355 =After Hours Dim, 8 Hours ²¹ DALI =DALI Drivers			BPC =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. ⁶ PR =NEMA 3-PIN Photocontrol Receptacle PR7 =NEMA 7-PIN Photocontrol Receptacle ²⁰ FADC =Field Adjustable Dimming Controller ³¹ PSC =Photocontrol Shorting Cap SPB2 =Dimming Motion Sensor, 9'-20' mounting ²³ SPB4 =Dimming Motion Sensor, 21'-40' mounting ²³ SPB2/X =Dimming Motion Sensor, limited square count, 9'-20' mounting ²³ SPB4/X =Dimming Motion Sensor, limited square count, 21'-40' mounting ²³ MS/DIM-L20 =Motion Sensor for Dimming Operation, 9'-20' Mounting ³³ MS/DIM-L40 =Motion Sensor for Dimming Operation, 21'-40' Mounting ³³ WLS2XX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{18,12,34} WLS4XX =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{18,12,34} WPS2XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{18,12,13,34} WPS4XX =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{18,12,13,34} DIM10-L20 =Synapse Occupancy Sensor (9'-20' Mounting) ¹⁸ DIM10-L40 =Synapse Occupancy Sensor (21'-40' Mounting) ¹⁸		OA/RA1016 =NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027 =NEMA Photocontrol - 480V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =120V Photocontrol MA1252 =10kV Surge Module Replacement MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238 =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon FSIR-100 =Wireless Configuration Tool for MS/DIM ³³ LS/HSS =Field Installed House Side Shield ^{9,17} LS/GRSBK-2PK =Glare Reducing Shield, Black ^{9,22} LS/GRSWH-2PK =Glare Reducing Shield, White ^{9,22} LS/PFS =Perimeter Shield, Black ¹⁵ WOLC-7P-10A =WaveLinX Outdoor Control Module ^{11,18}		
NOTES: 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 4. Not available with TH option. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Requires the use of an internal step down transformer when combined with sensor options. Not available in combination with the HA high ambient and sensor options at 1A. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20kV surge option 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/-5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. Not available with HA option. 17. Not for use with T1, 5N, 5M, 5W or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. 22. Not for use with T1, T4FT, T4W or SL4 optics. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to www.designlights.org website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.sigify.com/duravolt for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB. 31. Cannot be used with PR7 or other motion response control options. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx).							

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

Product Family	Camera Type	Data Backhaul
L =LumenSafe Technology 	D =Standard Dome Camera H =Hi-Res Dome Camera Z =Remote PTZ Camera	C =Cellular, No SIM A =Cellular, AT&T V =Cellular, Verizon S =Cellular, Sprint R =Cellular, Rogers W =Wi-Fi Networking w/ Omni-Directional Antenna E =Ethernet Networking

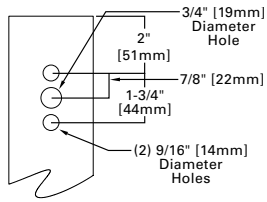
Mounting Details

Pole Configuration Options

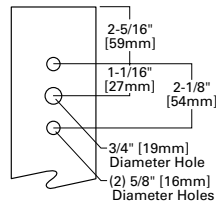


Pole Drilling Patterns

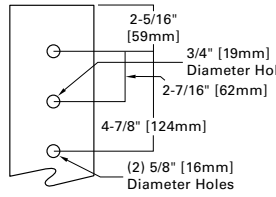
Type "N"



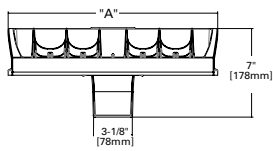
Type "R"



Type "M"

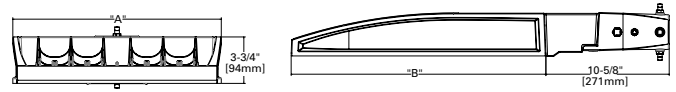


Quick Mount Universal Arm (QU)



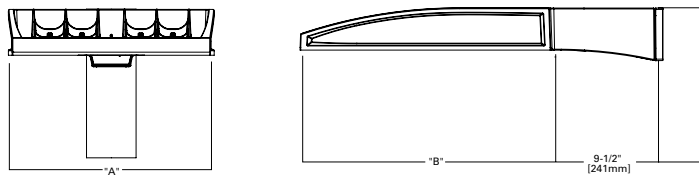
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



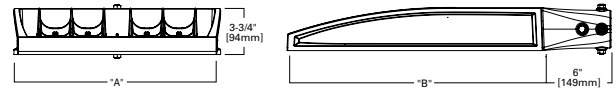
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



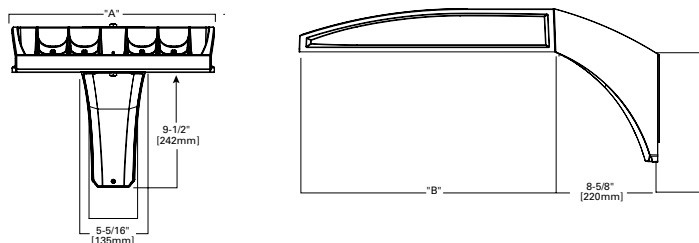
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



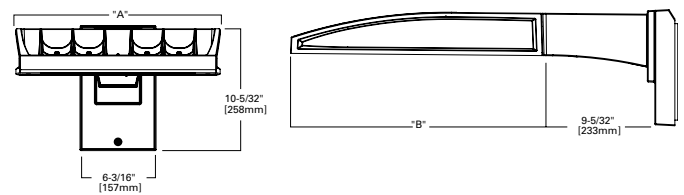
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



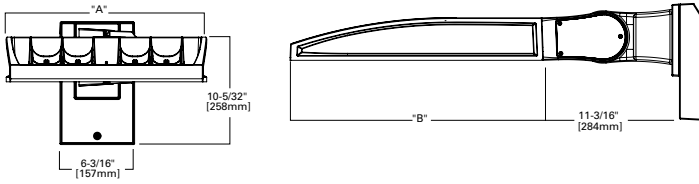
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)



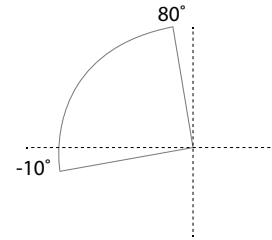
Mounting Details

Wall Mount, Adjustable (WA)

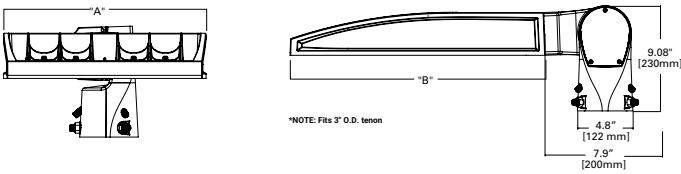


Adjustable Arm Range of Motion

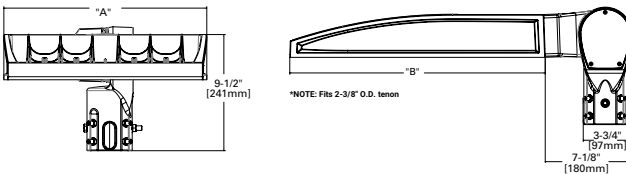
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



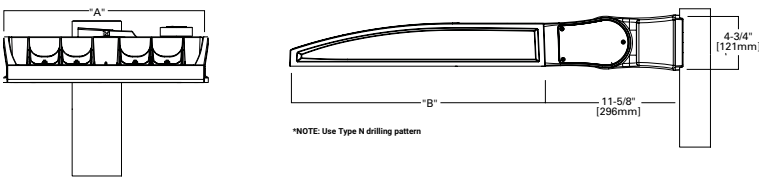
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



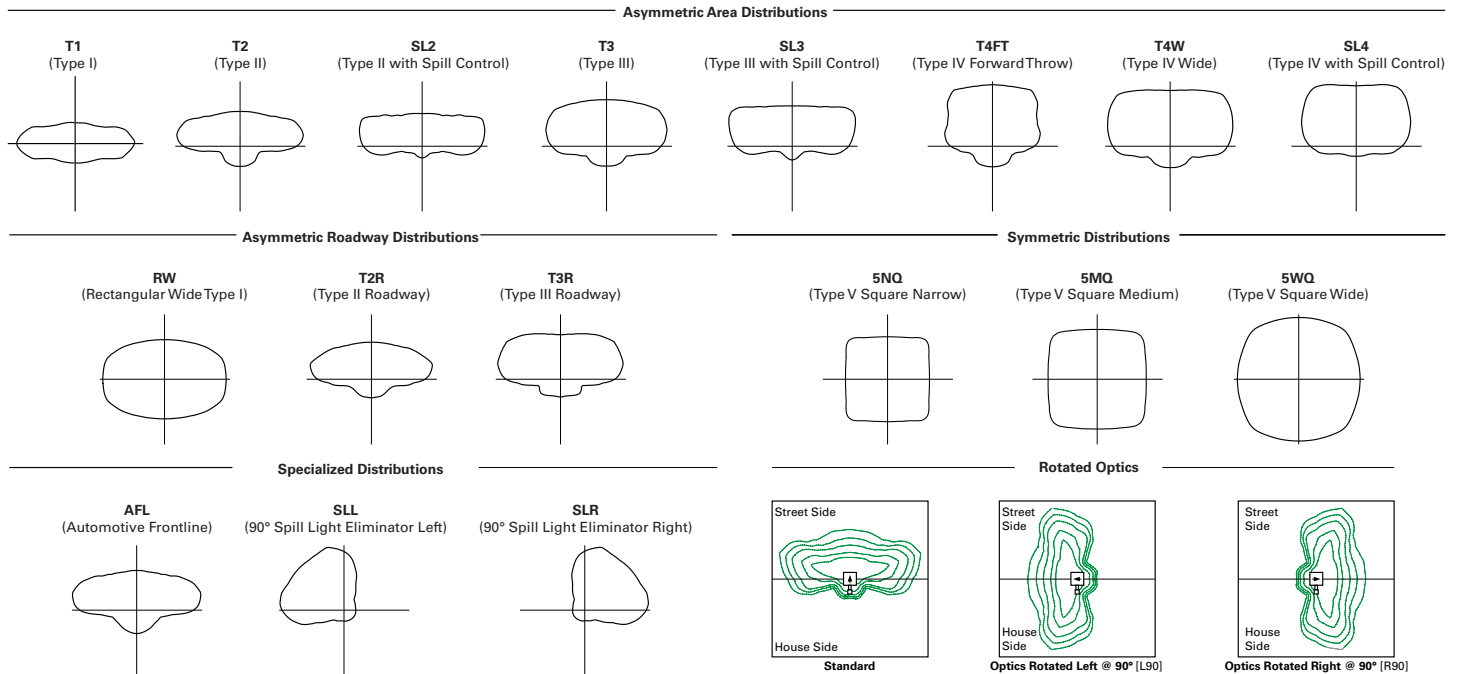
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient

environments. Optional 50°C high ambient (HA) configuration

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available

- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty

- Five year limited warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

* Supported by IES TM-21 standards
 ** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings
 SA1-SA3 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
 SA4-SA6 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
 SA7-SA9 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

Performance Table, Drive Current "A" (615mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T1	4000K Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	4000K Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	4000K Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	4000K Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	4000K Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	4000K Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	4000K Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	4000K Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	4000K Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	4000K Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	4000K Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	4000K Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	4000K Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/ SLR	4000K Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	4000K Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	4000K Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "B" (800mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T1	4000K Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	4000K Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	4000K Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	4000K Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	4000K Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	4000K Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	4000K Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	4000K Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	4000K Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	4000K Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	4000K Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	4000K Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/ SLR	4000K Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	4000K Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	4000K Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "C" (1050mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	4000K Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	4000K Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	4000K Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	4000K Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	4000K Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	4000K Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	4000K Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	4000K Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	4000K Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	4000K Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	4000K Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	4000K Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	4000K Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/SLR	4000K Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	4000K Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	4000K Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "D" (1200mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T1	4000K Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	4000K Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	4000K Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	4000K Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	4000K Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	4000K Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	4000K Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

Control Options

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

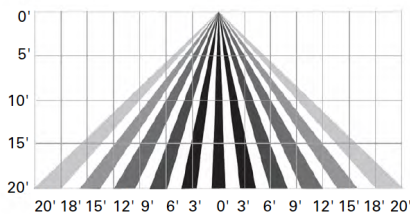
Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

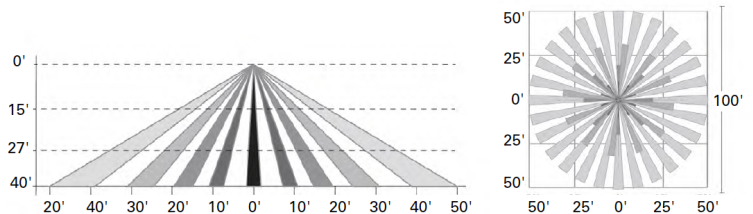
WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.