



III.A.

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
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Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: June 9, 2016

From: Aaron Hrenak
Project Planner

CC: Aimee Nassif, Planning & Development Services Director

Location: North of North Outer 40 Road, west of its intersection with Boones Crossing.

Applicant: Stock and Associates.

Description: MPD Investments, Adjusted Lot 2 (Beyond Self Storage at Chesterfield) - Site Development Section Plan: A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3 acre tract of land zoned "PI" Planned Industrial District located north of North Outer 40 Road, west of its intersection with Boones Crossing.

PROPOSAL SUMMARY

Stock and Associates, on behalf of the applicant, has submitted a request for a 44 foot tall, 3 story, 108,900 square foot self-storage building located on the north side of North Outer 40 Road, west of its intersection with Boones Crossing. The subject site is within the MPD Investors subdivision, which is zoned "PI" Planned Industrial District and is governed under the terms and conditions of the City of Chesterfield Ordinance Number 2411. The exterior building materials will be comprised of brick, metal, aluminum, and glass. This site is being reduced from 4.29 acres to 3 acres through a Boundary Adjustment that will require approval by City Council.

HISTORY OF SUBJECT SITE

In 1989, the first planned district was approved for the MPD Investments development and in the years since, the site-specific governing ordinance has been amended to allow multiple zoning districts. The most recent ordinance amendment occurred in 2007, when the City of Chesterfield approved Ordinance Number 2411 which authorized a zoning change from the "C-8" Planned Commercial District, to the "PI" Planned Industrial District. This zoning change expanded the permitted uses from warehouses, display and sale of lawn equipment, and

outdoor storage and display of equipment to the current uses permitted within Ordinance 2411.

The original Site Development Concept Plan for MPD Investments was approved by the City Council in 2007. This is the first Site Development Section Plan for this property.

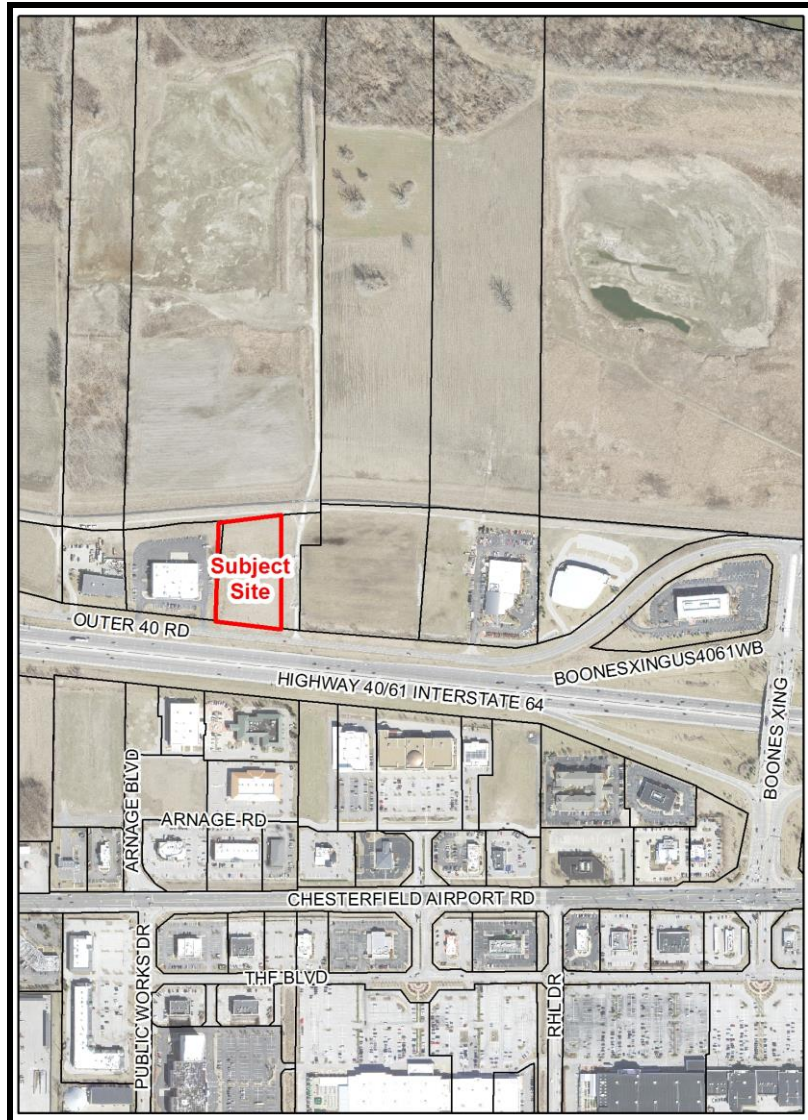


Figure 1

STAFF ANALYSIS

The subject site is zoned “PI” Planned Industrial District under the terms and conditions of City of Chesterfield Ordinance Number 2411. The ordinance requires compliance with the sky exposure plane, a minimum of 31% open space, and does not establish a maximum buildable area for the development. The setbacks for the development are established along the district boundaries, and are not applied on a parcel by parcel basis.

General Requirements for Site Design:

A. Site Relationships

The subject site is located north of North Outer 40 Road, west of its intersection with Boones Crossing. The main entrance of the building will face south towards North Outer 40 Road, and parking will be located to the south of the building. The south elevation will be nearly on plane with the adjacent development at 17485 North Outer 40 Road, and public parking along the front elevation will be oriented in a similar manner as is present at that location. Outdoor storage is situated to the north and east of the structure, with internal access to storage units accessible to south. Primary access from North Outer 40 Road is shared by the existing drive to 17485 North Outer 40 Road, and the eastern most entrance will be shared by the future development at 17401 North Outer 40 Road.

B. Circulation System and Access

The proposal includes two access points off of North Outer 40 Road. The western access point will be shared by the existing curb cut for the adjacent Metro Lighting development, and the proposed easternmost access will be shared in the future by the development of 17401 North Outer 40 Road. Parking will be located to the south of the building, with access to the outdoor storage area and externally accessible storage units via a gated entry on the east of the structure. Internal units will be accessed through a passcode controlled gate on the southern elevation. Traffic exiting the structure will follow the northern and eastern elevations to the gated entryway to the east of the structure. Cross access through the development is along the parking drive aisle to the south of the structure, between the access drives to the site.

Vehicular transportation is anticipated to be the primary mode of access to the site. The developer is not proposing pedestrian or bicycle infrastructure with this project.

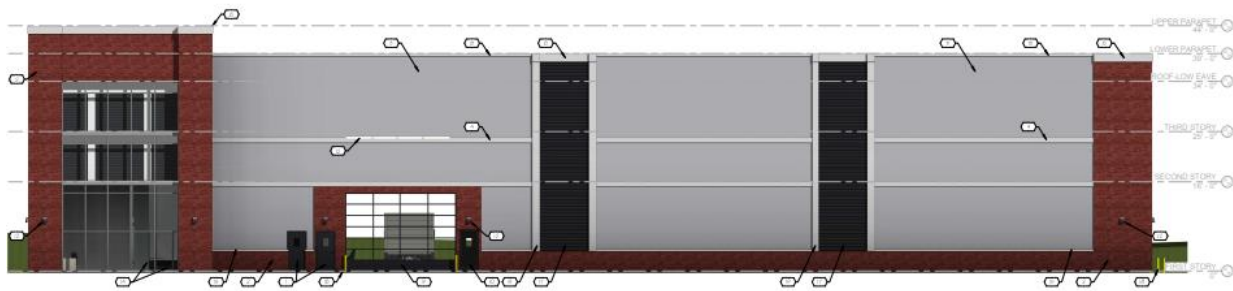
C. Topography

The existing grade of the property is generally flat. Minimal changes to the existing topography are planned. The overall grade change to the existing topography from the northern property line to the southern property line will be 3'. A drainage ditch along the southern property line is being provided in accordance with the City's Stormwater Master Plan.

D. Retaining Walls

No retaining walls are proposed on the site.

General Requirements for Building Design:



A. Scale

The applicant is proposing a single story building that is 44 feet in height at the main entrance, and 39 feet tall at all other areas. The building height is taller than adjacent development to the west, which is 30 feet tall at its highest point. Elements such as the 3 foot 6 inch tall masonry wainscoting, horizontal trim, vertical brick and metal projections, and windows are proposed to accentuate the building articulation and establish entry area hierarchy. The building entrance will be further accentuated with brickwork and metal wall accents along the roofline. The footprint of the building is similar in size to the adjacent development to the west.

B. Design

The proposed building design features elevations that are pronounced with brick, metal, aluminum, and glass. The southern elevation of the building will include brick wainscoting, and incorporates vertical projections of brick to accent the articulation of the main entry area of the structure. The manipulation of the roofline and asymmetric design of the southern elevation assist in defining the entrance to the structure. All glass used on the structure will be clear. This allows a portion of the interior storage units on the second and third floors of the structure to be visible from the southern and eastern elevations at the main entrance area. All four facades are coordinated with similar colors, materials, and patterning, with material changes and horizontal projections on the southern elevation wrapping around the structure to meet the less articulated rear façade.

The structure is designed to accommodate internal and external storage. Storage areas are accessible in two manners: via an overhead door on the south façade for access to the internal storage area, or through a gate on the eastern side of the structure for access to the external storage areas. These access areas will be operated through control pads that may be activated while seated in a vehicle. The outdoor storage area will be screened by a black mesh that is integrated with chain-link fencing.

C. Materials and Color

The proposed color palette for the building is a mixture of grey tones contrasted with brick, metal, aluminum, and glass. The main area of the building will be a similar grey as the adjacent Metro Lighting building, with lighter greys from the Metro Lighting building incorporated in the accent bands on the proposed structure. The proposed brick and the large glass areas at the building entrance were inspired by the Heavy Duty Equipment structure two parcels to the east of the site. The use of the brick and glass on the structure assist in integrating it with the

adjacent developments, and provide a higher quality façade than what is typical of self-storage facilities.

D. Landscape Design and Screening

The request includes landscaping required by the City of Chesterfield Tree Preservation and Landscape Requirements. This section requires a 30' landscape buffer along all collector or arterial roadways, which is proposed along the master planned ditch along North Outer 40 Road. The southern elevation will be planted with a mixture of shrubs along the entire frontage to soften the transition between building, turf, and pavement. Plantings along the east and west property boundaries provide screening from the adjacent parcels. Plantings are not proposed to the north of the facility as plantings are not permitted within the seepage berm easement. In addition, the proposal exceeds the 31% greenspace requirement by proposing 34.9% greenspace on site.

The dumpster enclosure on the site will consist of 6 foot tall uninsulated metal panels to screen the trash receptacle, and will be accessible via a painted steel gate. This enclosure will be further screened by evergreens on the south and east sides.

The ground mounted equipment, located to the west of the structure, will be screened by a mixture of Bald Cypress and large Green Vase Zelkova plantings. This equipment is further screened by existing plantings on the adjacent Metro Lighting property.

E. Lighting

The plan proposes utilitarian lighting on all elevations. Lighting fixtures are proposed on areas of vertical brick projection, and above multiple entryways. The main southern access door will be lit via wall mounted fixtures located above the door for security and accessibility purposes. The parking area and outdoor storage area will be lit using fully shielded, flat lens luminaires.

All proposed fixtures meet the requirements for building mounted wall lighting provided within the UDC.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design. Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

Staff requests review and recommendation on this submittal for MPD Investments, Adjusted Lot 2 (Beyond Self Storage at Chesterfield)

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 MPD Investments, Adjusted Lot 2 (Beyond Self Storage at Chesterfield) 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 MPD Investments, Adjusted Lot 2 (Beyond Self Storage at Chesterfield) to the Planning Commission with a recommendation for approval with the following conditions..."

Attachments

1. Architectural Review Packet Submittal



ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield 5/19/16

Project Title: North Outer Forty Road - Self Storage- Chesterfield Location: 17481 N. Outer 40 Rd, Chesterfield, MO 63005
Developer: NorthPoint Development Architect: Hernly Associates Engineer: Stock & Associates

PROJECT STATISTICS:

Size of site (in acres): 2.99 Acres Total Square Footage: 130,247 SF Building Height: 44' - 0"

Proposed Usage: Climate controlled self storage facility

Exterior Building Materials: Architectural metal panel, glass, brick masonry, and metal roll up overhead doors

Roof Material & Design: Insulated standing seam metal roof

Screening Material & Design: Combination of trees, shrubs, and chainlink fence with black canvas mesh.

Description of art or architecturally significant features (if any): Large glass storefront wrapping SW corner of building with brick corner columns and parapet.

ADDITIONAL PROJECT INFORMATION:

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

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

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May 20, 2016

City of Chesterfield
Planning and Development Services Division
690 Chesterfield Pkwy W
Chesterfield, MO 63017-0670

Project: Beyond Self Storage at Chesterfield

Location: 17481 North Outer 40 Road

ARCHITECT'S STATEMENT

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

C) General requirements for site design.

- 1) Site relationships:
 - a) This is a single phase project.
 - b) The south (front) facade of the building is aligned almost exactly with the south (front) facade of the building on the lot directly west of the project site (Metro Lighting).
 - c) Similar to that building, there is a drive across the front of the property and a single row of parking facing away from the building, and there is a larger parking area on the north side between the building and the Missouri River levee.
 - d) There is a 30' wide landscape buffer strip along the front of the property that provides a transition from the street to the building.
- 2) Circulation system and access
 - a) The proposed project is a self-storage facility, and this use is typically accessed by vehicular traffic transporting personal belongings.
 - b) When a new renter comes to the site, they will proceed to the management office at the southwest corner of the building, where they can meet with management staff, or if after regular business hours, they can rent a unit from a self-service kiosk in the entrance vestibule. Parking for the management office is located directly across the drive aisle along the front of the property.
 - c) If a renter has an outside access unit along the east or north side of the building, or if they have one of the outside storage spaces north of the building, they will proceed to their unit/space by going through the pass-code controlled gate at the south end of the drive along the east side of the building.
 - d) If a renter has an inside access unit, they will drive into the through-building drive at the glass overhead door located in the south façade adjacent to the management office. There are hallways to access interior units on the first story, and there are two elevators and hallways to access interior units on the second and third story. When leaving, they will continue straight through the building, exiting at the overhead door

in the north façade, and proceed to the east drive where they will leave through the pass-controlled gate at the southeast corner of the building.

3) Topography

- a) There is very little topographic change on the site, approximately 3' of grade change down from the north property line to south property line. Landscaping elements will be used for screening, buffering, and transitions.
- b) The middle area of the site is low and will be filled to raise the finished floor elevation to nearly match the finished floor elevation of the building directly adjacent to the west (Metro Lighting). The paved areas will be raised and graded to slope appropriately to on-site storm inlets and then to the on-site "water quality BMP" areas.
- c) Cut and fill areas will be graded and rounded both horizontally and vertically.

4) No retaining walls are proposed for the project.

D) General requirements for building design.

1) Scale

- a) Building Scale: This is a three story building with a single slope roof to the north and parapet walls on the west, south, and east sides. The top of the parapet walls are mostly 39' above the finished floor; the parapet at the southwest corner management office area is 44'. The adjacent building directly west (Metro Lighting) is a single story with a parapet height of approximately 24', except at the front south centered entrance, which is approximately 30' tall. Provided with this submittal are renderings of the proposed building placed into photos of the site. These demonstrate that, while this building is taller than its direct westerly neighbor, it is compatible with it by incorporating a stepped parapet that accentuates the primary building entrance.
- b) Human Scale: A horizontal brick wainscot is incorporated along the south (front) façade where pedestrians will park and approach the office entrance. This helps create a sense of human scale for the primary pedestrian area of the site.
- c) Generic Scale: The adjacent building directly west has a mostly horizontal emphasis in design features, with a vertical emphasis at the southeast and southwest corners, and at the centered south entrance. Our proposed building also has a horizontal emphasis in design features, with a brick wainscot across the front, and two horizontal trim bands, the higher of which is approximately the same height as the adjacent building's parapet top. We have also incorporated vertical emphasis at the building corners and the primary entrance with brick detailing, and at points along the building's façade using contrasting trim and wall panel materials.

2) Design

- a) All four facades of the building are coordinated with similar colors, materials, and patterning. The north façade, facing the levee, is not as articulated as the other three primary facades, but it does continue the horizontal banding.
- b) The front, streetscape façade, is asymmetrically designed, and utilizes horizontal and vertical elements to create a rhythm and pattern that highlights the primary building entrance.
- c) The building is not using a corporate or franchise design.
- d) Brick is utilized low along the street facing façade to add a pedestrian oriented building detail.
- e) The southwest corner is designed as an artistic feature of the building. It incorporates large glass storefront on two sides with brick corner columns and parapet. It

references the taller glass portion of the building east of the site (Heavy Duty Equipment) and the rounded glass-tile corner of adjacent the adjacent building to the west (Metro Lighting). On the front (south) side of the building will be the "Beyond Self Storage of Chesterfield" sign, which incorporates a stylized box logo with an orange highlight. While acting as a business identification sign, it also provides an artistic element to the elevation and will be an internally illuminated sign. It's specific design and approval will be reviewed through a separate process as required by the UDC.

- f) The building utilizes a very efficient insulated wall panel system. The glass overhead doors at the drive-through bay will allow natural light into the primary loading/unloading area.
 - g) The structural system for the building is specifically designed to reduce the amount of steel required. There are few structural spans over 10' in length, and the load-bearing stacked wall system maximizes the structural efficiency of the steel and concrete floor system.
 - h) Entry to the building primarily occurs in a vehicle. The overhead doors will be operated by control pads; drivers do not have to exit their vehicles to access the control pads. The main entrance storefront to the office area is slightly recessed from the surrounding brick.
 - i) There are no temporary walls included in the project.
 - j) There will be no rooftop equipment on the building; ground mount HVAC units on the west side of the building will be screened with landscaping. The parapet walls on the west, south, and east create a unified visual building height by concealing the .25":12: single sloped roof (low eave on north side). The taller parapet at the southwest corner identifies the office area and new-customer entrance. The parapets are an integral part of the architectural design.
- 3) The colors used on the building consist of three grey tones, brick, and glass. The body of the building is a medium grey tone, similar to the body of the adjacent building to the west (Metro Lighting). The lighter grey trim color is similar to the color of entrance surround feature of that building. The brick color is similar to the building further east of the site (Heavy Duty Equipment). The storefront color, and use of large glass areas around the entry, is similar to that building.
- 4) Landscaping design and screening
- a) A combination of trees and shrubs are used along the west, south, and east sides of the building to provide buffering between the building and the street and between the drives and the building. As the four deciduous trees on the east, four on the west, and 10 along the front mature, the building will be surrounded by a canopy of green for eight months out of the year. Plantings along the building foundation on the front, help soften the transition from driveway to building.
 - b) A security fence will be used along the east, north, and northwest portions of the site to enclose the north parking area and east driveway area. This will be a 6' tall chainlink fence with black mesh screening.
 - c) A dumpster will be located northeast of the building and screened with a 6' tall metal panel fence that matches the finish of the medium gray smooth metal panel on the building, and which has a black steel picket gate that matches the driveway entrance gate.
- 5) Signage: Signs will adhere to the Unified Development Code.

- 6) Lighting: Site and building lighting will adhere to the UDC.
- E) Specific requirements for the Chesterfield Valley
- 1) Facades
 - a) Architectural elements from the front façade are utilized on the sides and rear.
 - b) Accent lighting is utilized for the building.
 - c) The dumpster will be screened with a 6' tall metal fence that matches the building.
 - 2) Storage
 - a) Outdoor storage on the north side of the building is screened from I-64 by the building itself.
 - 3) Utilities
 - a) All utilities will be underground.
 - 4) Parking
 - a) Parking is located primarily on the north side of the building, away from I-64. Some parking is located along North Outer 40, similar to other buildings in the direct vicinity.
 - b) All loading areas are either within the building, or behind the security fence enclosing the east and north portion of the site.

DESCRIPTION

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

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction

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

Optics

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

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

Mounting

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

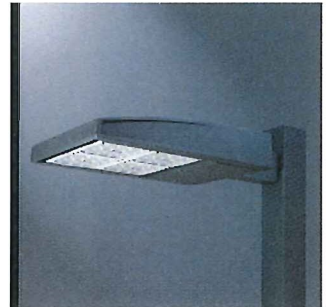
Round pole adapter included. For wall mounting, specify wall mount bracket option. 3G vibration rated. **QUICK MOUNT ARM:** Arm is bolted directly to the pole and the fixture slides onto the quick mount arm and is secured via a single fastener, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

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

Warranty

Five-year warranty.

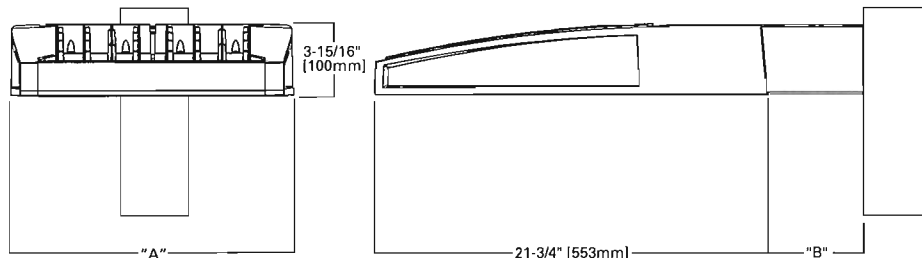


GLEON GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

DIMENSIONS

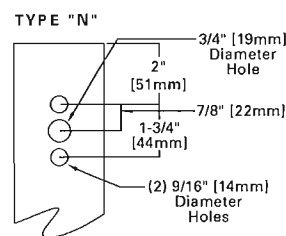


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

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

DRILLING PATTERN



CERTIFICATION DATA

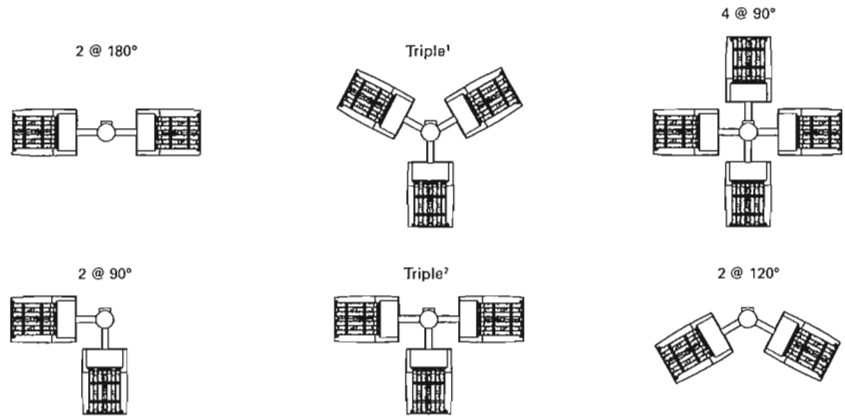
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium™ Qualified*

ENERGY DATA

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

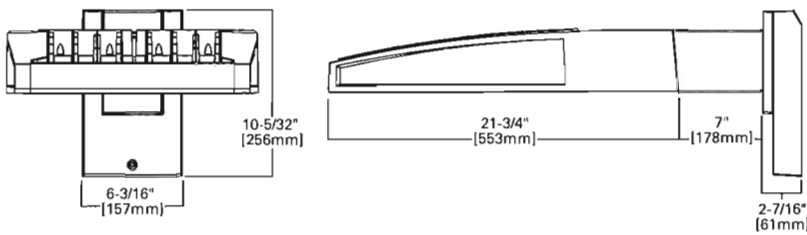
ARM MOUNTING REQUIREMENTS

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

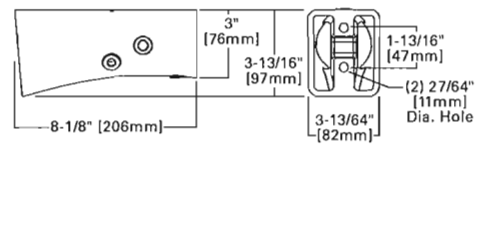


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

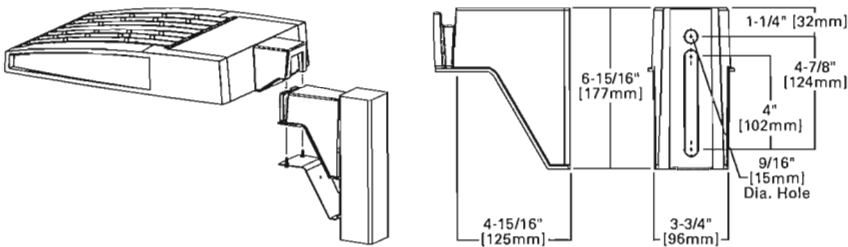
STANDARD WALL MOUNT



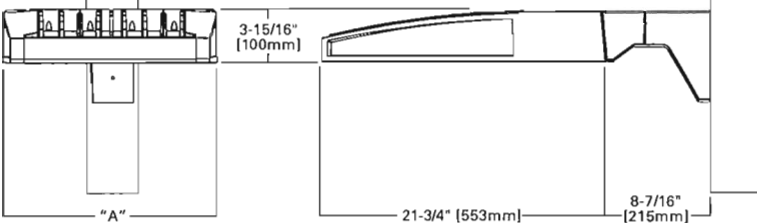
MAST ARM MOUNT



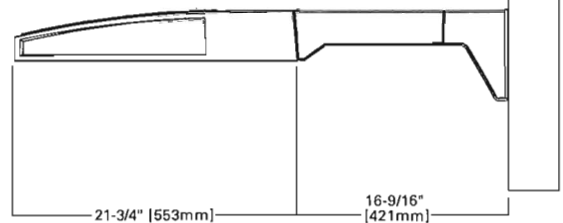
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

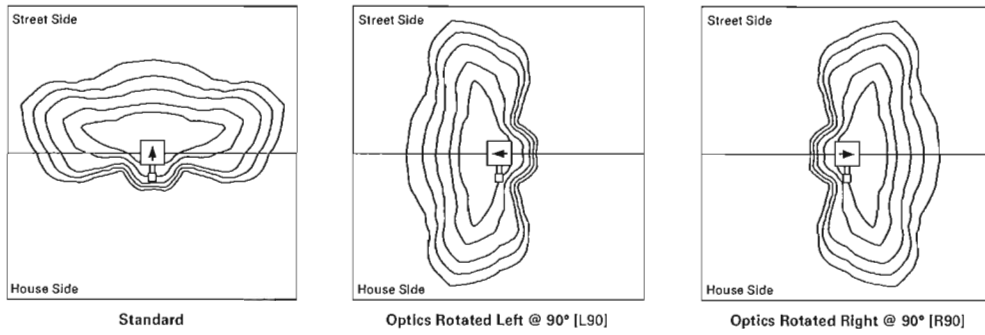


QUICK MOUNT ARM DATA

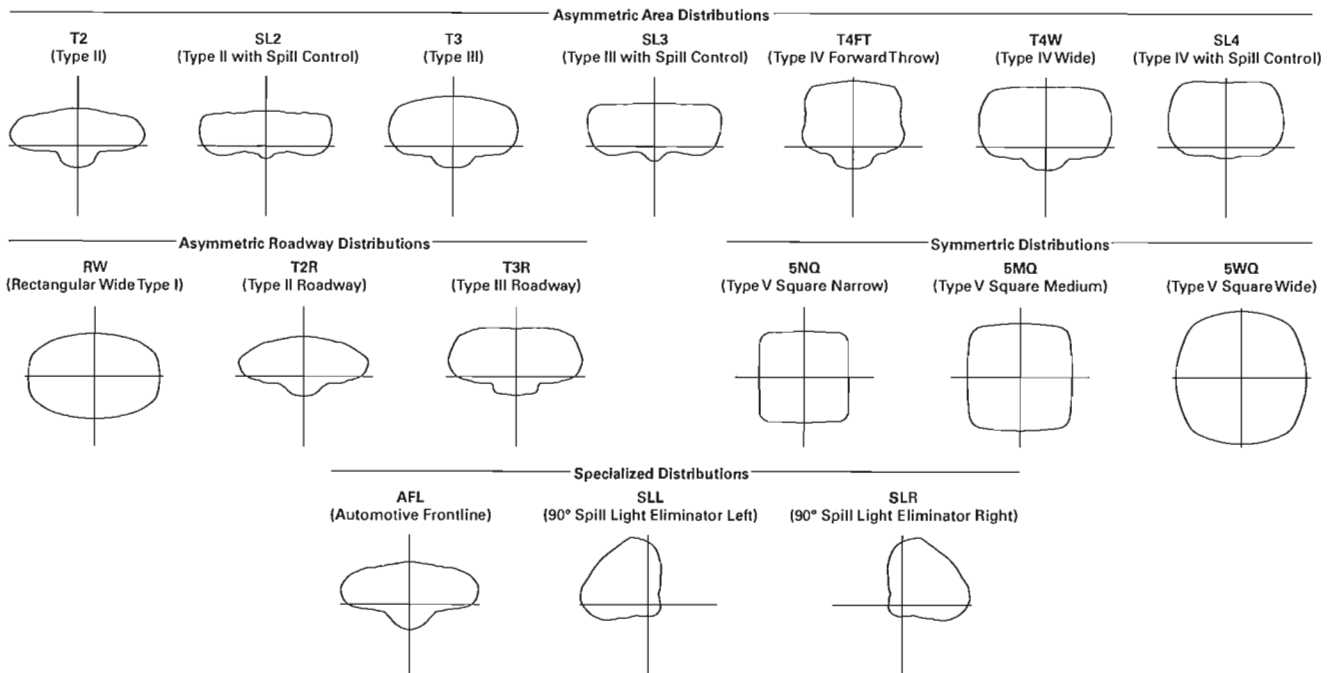
Number of Light Squares 1,2	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

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

OPTIC ORIENTATION



OPTICAL DISTRIBUTIONS



NOMINAL POWER AND LUMENS (1A)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	
Nominal Power (Watts)	56	107	157	213	264	315	370	421	475	528	
Input Current @ 120V (A)	0.47	0.90	1.31	1.79	2.21	2.64	3.09	3.51	3.96	4.41	
Input Current @ 208V (A)	0.28	0.51	0.74	1.02	1.25	1.48	1.76	1.99	2.22	2.50	
Input Current @ 240V (A)	0.25	0.45	0.65	0.90	1.10	1.30	1.55	1.75	1.95	2.20	
Input Current @ 277V (A)	0.23	0.41	0.59	0.82	1.00	1.18	1.41	1.59	1.77	2.00	
Optics											
T2	Lumens	5,272	10,303	15,373	20,313	25,168	30,118	35,618	40,357	45,018	49,842
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
T2R	Lumens	5,597	10,938	16,321	21,565	26,719	31,974	37,813	42,844	47,792	52,914
	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-G4	B4-U0-G5
T3	Lumens	5,374	10,501	15,669	20,704	25,652	30,697	36,303	41,134	45,884	50,802
	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	B3-U0-G5	B4-U0-G5
T3R	Lumens	5,493	10,735	16,017	21,164	26,222	31,379	37,110	42,048	46,904	51,930
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	Lumens	5,405	10,562	15,760	20,824	25,801	30,875	36,514	41,372	46,150	51,096
	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	B3-U0-G5	B3-U0-G5
T4W	Lumens	5,335	10,426	15,556	20,555	25,468	30,476	36,042	40,838	45,554	50,436
	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	B4-U0-G5
SL2	Lumens	5,263	10,285	15,347	20,278	25,124	30,066	35,556	40,288	44,940	49,756
	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	B3-U0-G5	B4-U0-G5
SL3	Lumens	5,373	10,500	15,667	20,701	25,649	30,693	36,298	41,128	45,878	50,794
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	Lumens	5,105	9,976	14,886	19,669	24,370	29,163	34,488	39,078	43,591	48,262
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	Lumens	5,542	10,830	16,160	21,352	26,455	31,658	37,439	42,421	47,320	52,392
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
5MQ	Lumens	5,644	11,029	16,457	21,745	26,942	32,241	38,128	43,202	48,191	53,356
	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-G4	B5-U0-G5
5WQ	Lumens	5,659	11,059	16,501	21,803	27,014	32,327	38,230	43,317	48,320	53,498
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
SL/SLR	Lumens	4,722	9,227	13,767	18,191	22,539	26,971	31,897	36,141	40,315	44,635
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	Lumens	5,492	10,732	16,014	21,159	26,216	31,372	37,101	42,038	46,893	51,918
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
AFL	Lumens	5,512	10,771	16,072	21,236	26,311	31,486	37,236	42,191	47,063	52,107
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4

* Nominal data for 4000K CCT.

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

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

NOMINAL POWER AND LUMENS (700MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	
Nominal Power (Watts)	38	72	105	138	176	210	243	276	314	348	
Input Current @ 120V (A)	0.32	0.59	0.86	1.14	1.45	1.72	2	2.28	2.58	2.86	
Input Current @ 208V (A)	0.21	0.36	0.51	0.67	0.87	1.02	1.18	1.34	1.53	1.69	
Input Current @ 240V (A)	0.19	0.32	0.45	0.59	0.77	0.90	1.04	1.18	1.35	1.49	
Input Current @ 277V (A)	0.20	0.29	0.40	0.51	0.69	0.80	0.91	1.02	1.20	1.31	
Optics											
T2	Lumens	3,854	7,531	11,237	14,847	18,395	22,013	26,033	29,497	32,904	36,430
	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	B3-U0-G4
T2R	Lumens	4,091	7,995	11,929	15,762	19,529	23,370	27,638	31,316	34,932	38,676
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	Lumens	3,928	7,676	11,453	15,133	18,750	22,437	26,534	30,065	33,537	37,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	Lumens	4,015	7,846	11,707	15,469	19,186	22,936	27,124	30,733	34,283	37,957
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	Lumens	3,951	7,720	11,519	15,221	18,858	22,567	26,688	30,240	33,732	37,347
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	3,900	7,620	11,370	15,024	18,615	22,276	26,343	29,849	33,296	36,864
	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	B3-U0-G5
SL2	Lumens	3,847	7,518	11,217	14,821	18,364	21,975	25,988	29,447	32,847	36,368
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	Lumens	3,927	7,675	11,451	15,131	18,747	22,434	26,531	30,061	33,533	37,126
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	Lumens	3,731	7,292	10,880	14,376	17,812	21,315	25,208	28,562	31,861	35,275
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	Lumens	4,051	7,916	11,811	15,606	19,336	23,139	27,365	31,006	34,587	38,294
	BUG Rating	B2-U0-G1	B3-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
5MQ	Lumens	4,125	8,062	12,029	15,894	19,692	23,565	27,869	31,577	35,224	38,999
	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-G3	B5-U0-G4	B5-U0-G4
5WQ	Lumens	4,136	8,083	12,061	15,936	19,745	23,628	27,943	31,661	35,318	39,103
	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	B5-U0-G4
SLL/SLR	Lumens	3,451	6,744	10,063	13,296	16,474	19,714	23,314	26,416	29,467	32,625
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	Lumens	4,014	7,844	11,704	15,465	19,162	22,930	27,118	30,726	34,274	37,948
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	Lumens	4,029	7,873	11,747	15,522	19,231	23,014	27,216	30,838	34,399	38,086
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 4000K CCT.

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

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

NOMINAL POWER AND LUMENS (530MA)

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
Drive Current	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	530mA	
Nominal Power (Watts)	30	54	80	105	130	159	184	209	234	259	
Input Current @ 120V (A)	0.25	0.45	0.66	0.86	1.07	1.32	1.52	1.72	1.93	2.14	
Input Current @ 208V (A)	0.17	0.28	0.39	0.51	0.63	0.78	0.9	1.02	1.14	1.26	
Input Current @ 240V (A)	0.17	0.25	0.35	0.45	0.55	0.70	0.80	0.90	1.00	1.10	
Input Current @ 277V (A)	0.19	0.24	0.32	0.40	0.49	0.64	0.72	0.80	0.89	0.98	
Optics											
T2	Lumens	3,079	6,017	8,978	11,862	14,697	17,588	20,800	23,567	26,289	29,106
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T2R	Lumens	3,269	6,388	9,531	12,593	15,603	18,672	22,082	25,020	27,909	30,900
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
T3	Lumens	3,138	6,133	9,150	12,091	14,980	17,926	21,200	24,021	26,795	29,667
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3R	Lumens	3,208	6,269	9,354	12,359	15,313	18,325	21,671	24,555	27,390	30,326
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T4FT	Lumens	3,156	6,168	9,203	12,161	15,067	18,030	21,323	24,160	26,950	29,839
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T4W	Lumens	3,116	6,088	9,084	12,004	14,872	17,797	21,047	23,848	26,602	29,453
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL2	Lumens	3,074	6,006	8,962	11,842	14,672	17,558	20,764	23,527	26,244	29,056
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL3	Lumens	3,138	6,132	9,149	12,089	14,978	17,924	21,197	24,018	26,791	29,662
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL4	Lumens	2,981	5,826	8,693	11,486	14,231	17,030	20,140	22,820	25,456	28,184
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5
5NQ	Lumens	3,236	6,324	9,437	12,469	15,449	18,487	21,863	24,773	27,634	30,595
	BUG Rating	B1-U0-G0	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
5MQ	Lumens	3,296	6,441	9,610	12,698	15,733	18,828	22,266	25,229	28,142	31,158
	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	B5-U0-G3
5WQ	Lumens	3,305	6,458	9,636	12,732	15,775	18,878	22,325	25,296	28,217	31,241
	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-G3	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	2,757	5,388	8,040	10,623	13,162	15,751	18,627	21,105	23,543	26,066
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4
RW	Lumens	3,207	6,267	9,351	12,356	15,309	18,320	21,666	24,549	27,384	30,319
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
AFL	Lumens	3,219	6,290	9,385	12,401	15,365	18,387	21,745	24,638	27,484	30,429
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

* Nominal data for 4000K CCT.

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

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

ORDERING INFORMATION

Sample Number: GLEON-AE-04-LED-E1-T3-GM-700

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AE=1A Drive Current	01=1 02=2 03=3 04=4 05=5 06=6 07=7 ⁴ 08=8 ⁴ 09=9 ⁵ 10=10 ⁵	LED=Solid State Light Emitting Diodes	E1=(120-277V) 347=347V ⁴ 480=480V ^{4,7}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ⁹ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹⁰ QMEA=Quick Mount Arm (Extended Length) ¹¹
Options (Add as Suffix)						Accessories (Order Separately)	
2L=Two Circuits ^{12,13} 7030=70 CRI / 3000K ¹⁴ 8030=80 CRI / 3000K ¹⁵ 7050=70 CRI / 5000K ¹⁴ 7060=70 CRI / 6000K ¹⁴ 530=Drive Current Factory Set to 530mA ¹⁶ 700=Drive Current Factory Set to 700mA ¹⁶ P=Button Type Photocontrol (120, 208, 240 or 277V) PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle R=NEMA Twistlock Photocontrol Receptacle HA=50°C High Ambient ^{18,17} MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{18,19,20,21,22} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{18,19,20,21,22} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{18,19,20,21} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) ^{18,19,20,21,25} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{18,19,20,21,22,24} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{18,19,20,21,23,24} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{18,19,20,21,24,26} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) ^{18,19,20,21,25,26} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ^{18,19,20,21,22} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{18,19,20,21,23} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{18,19,20,21,24} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) ^{18,19,20,25} DIMRF-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ²⁷ DIMRF-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ²⁷ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing ²⁹ HSS=Factory Installed House Side Shield ²⁹ CE=CE Marking ³⁰						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 FSIR-100=Wireless Configuration Tool for Occupancy Sensor ³¹ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit ¹⁰ GLEON-QM-EA=Quick Mount Extended Length Arm Kit ¹¹ LS/HSS=Field Installed House Side Shield ^{29,32}	

NOTES:

- 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.
- DesignLights Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Not compatible with extended quick mount arm (QMEA).
- Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).
- Requires the use of a step down transformer when combined with MS/DIM, MS/X or DIMRF.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
- Factory Installed.
- Maximum 8 light squares.
- Maximum 6 light squares.
- 2L is not available with MS/X or MS/DIM at 347V or 480V. 2L in AE-02 through AE-04 requires a larger housing, normally used for AE-05 or AE-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
- Not available with LumaWatt wireless sensors.
- Extended lead times apply. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.
- Extended lead times apply. For 8030, factor 7030 IES files x .92 (8% lumen loss). For 7050, use 7060 IES files.
- 1 amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Galleon luminaire product page on the website.
- 50°C lumen maintenance data applies to 530mA and 700mA drive currents.
- Consult factory for more information.
- Utilizes internal step-down transformer when 347V or 480V is selected.
- The FSIR-100 accessory is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Not available with HA option.
- Approximately 22' detection diameter at 8' mounting height.
- Approximately 40' detection diameter at 20' mounting height.
- Approximately 60' detection diameter at 40' mounting height.
- Approximately 100' detection diameter at 40' mounting height.
- Replace X with number of light squares operating in low output mode.
- LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
- Not available with house side shield (HSS).
- Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
- CE is not available with the DIMRF, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only.
- This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- One required for each Light Square.

DESCRIPTION

The Galleon™ wall and pedestrian LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces, pole, and mast arm applications allowing it to be offered as a pedestrian or site lighting, solution. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

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SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 6000K and 3000K CCT. Greater than 90% lumen

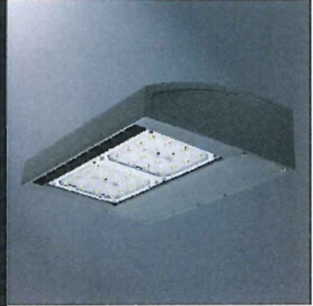
maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -30°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option.

Mounting
In addition to wall mounting, the innovative quick mounting arm attaches to new or existing 4-5" round or square poles with 1-1/2" to 4-7/8" drilling patterns without re-drilling. Optional mast arm adapter fits horizontal 2-3/8" tenon.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty
Five-year warranty.

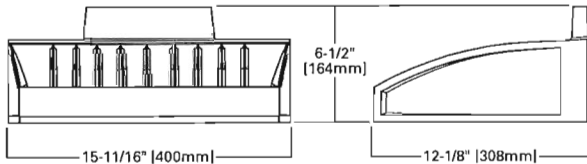


GWC GALLEON WALL AND PEDESTRIAN LUMINAIRE

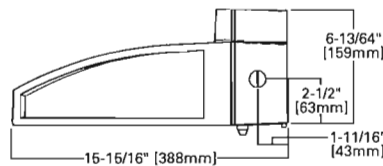
1-2 Light Squares
Solid State LED

WALL AND POLE MOUNT LUMINAIRE

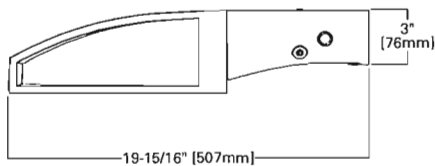
DIMENSIONS



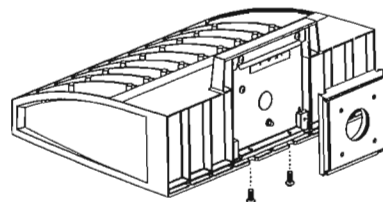
BATTERY BACKUP AND THRU-WIRE BACKBOX



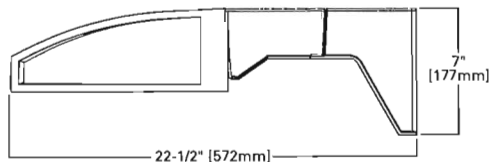
MAST ARM MOUNT



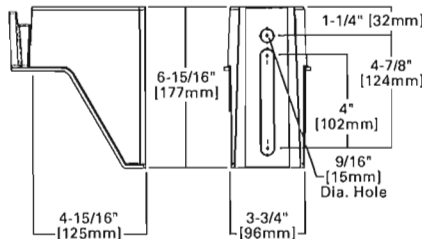
HOOK-N-LOCK MOUNTING



QUICK MOUNT ARM (OVERALL DIMENSIONS)



QUICK MOUNT ARM (POLE MOUNTING DETAILS)



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium™ Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)



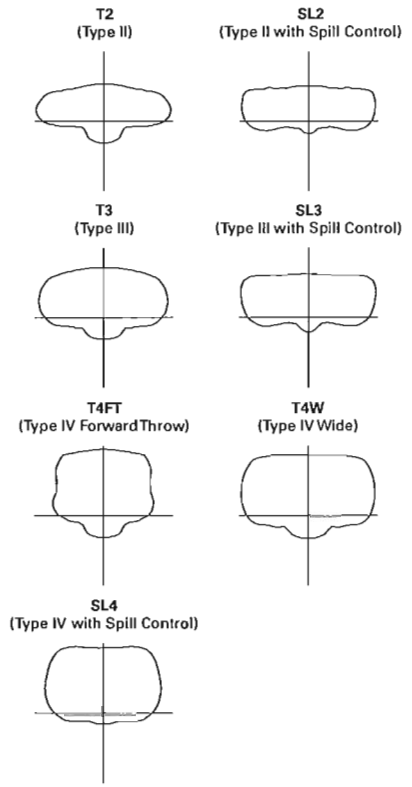
POWER AND LUMENS

Number of Light Squares	1			2		
	530mA	700mA	1A	530mA	700mA	1A
Drive Current	530mA	700mA	1A	530mA	700mA	1A
Power (Watts)	29W	39W	56W	58W	77W	112W
Input Current @ 120V (mA)	270	350	510	490	650	960
Input Current @ 208V (mA)	160	210	300	280	380	560
Input Current @ 240V (mA)	140	180	260	250	330	480
Input Current @ 277V (mA)	120	160	230	210	280	420
Power (Watts)	36W	46W	68W	65W	83W	123W
Input Current @ 347V (mA)	110	140	200	190	240	360
Input Current @ 480V (mA)	320	410	580	550	700	1,040

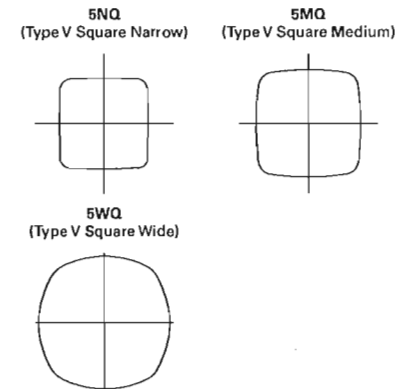
Optics							
T2	Lumens	3,195	4,000	5,472	6,297	7,881	10,783
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
T3	Lumens	3,228	4,041	5,528	6,362	7,963	10,894
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
T4FT	Lumens	3,237	4,051	5,543	6,378	7,983	10,922
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
T4W	Lumens	3,190	3,992	5,462	6,285	7,867	10,763
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
5MQ	Lumens	3,405	4,262	5,831	6,710	8,398	11,490
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5WQ	Lumens	3,455	4,324	5,917	6,809	8,522	11,659
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2
5NQ	Lumens	3,319	4,154	5,684	6,540	8,186	11,200
	BUG Rating	B2-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1
SL2	Lumens	3,120	3,905	5,343	6,149	7,696	10,529
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2
SL3	Lumens	3,152	3,945	5,397	6,211	7,773	10,635
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
SL4	Lumens	3,037	3,801	5,200	5,984	7,490	10,247
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
SLL/SLR	Lumens	2,751	3,444	4,711	5,422	6,786	9,284
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
RW	Lumens	3,250	4,068	5,565	6,404	8,016	10,967
	BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3

OPTICAL DISTRIBUTIONS

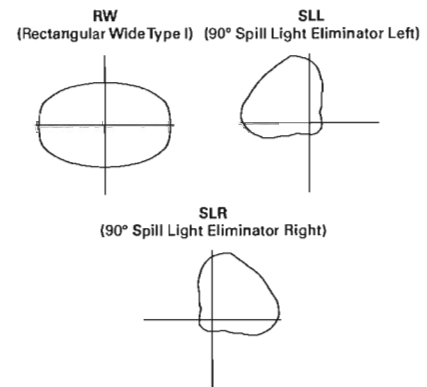
Asymmetric Area Distributions



Symmetric Distributions



Specialized Distributions



LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

* 50°C lumen maintenance data applies to 530mA and 700mA drive currents.

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

COLOR TEMPERATURE

Color Temperature (CCT)	Color Rendering Index (CRI)	Multiplier
3000	70	0.91
4000	70	1.00
5000	70	1.03
5700	70	1.03

ORDERING INFORMATION

Sample Number: GWC-AE-02-LED-E1-T3-GM

Product Family ¹	Light Engine	Number of Light Squares ²	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AE=1A Drive Current	01=1 02=2 ³	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁴ 480=480V ^{4,5}	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color ⁶	MA=2-3/8" Mast Arm ^{7,8} QM=Quick Mount Arm for Round or Square Pole ^{7,9}
Options (Add as Suffix)					Accessories (Order Separately)		
530=Drive Current Factory Set to 530mA 700=Drive Current Factory Set to 700mA P=Button Type Photocontrol (120, 208, 240 or 277V) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ^{10,11} LCF=Light Square Trim Plate Painted to Match Housing ¹³ 7030=70 CRI / 3000K ¹⁴ 7050=70 CRI / 5000K ¹⁴ 7060=70 CRI / 6000K ¹⁴ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right DIMRF-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{15,16} DIMRF-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{15,16} MS-LXX=Motion Sensor for On/Off Operation ^{17,18} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{17,18,19} DIM=0-10V Dimming Drivers ^{16,20} HSS=Factory Installed House Side Shield ²¹ HA=50°C High Ambient ²² F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Modula Dali=Dali Driver ²³ CE=CE Marking and Small Terminal Block ²⁴ MT=Factory Installed Mesh Top					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁹		

NOTES:

- DesignLight Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Two light squares with BBB or CWB options uses two drivers and limited to 25°C, 120-277V only.
- Requires the use of a step down transformer.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
- 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.
- Mast arm adapter factory installed (2-3/8" O.D. arm only). Suitable for 3G vibration.
- Quick mount arm adapter is factory installed. Pole mounting bracketed shipped in box. Suitable for 1.5G. Fits square and round pole up to 6" O.D.
- Cannot be used with other control options.
- Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
- Not available with HA option. Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
- Not available with HSS option.
- Extended lead times apply. Use dedicated IES files when performing layouts.
- LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See www.eaton.com/lighting for LumaWatt application Information.
- Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
- Replace LXX with mounting height in feet for proper lens selection (e.g., L8=8' mounting height). L8, L20 and L40 are available options.
- Includes Integral photosensor.
- 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 Eaton for more information.
- Low voltage control lead brought out 18" outside fixture.
- Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
- Not available with BBB and CWB options.
- Only available with BBB or CWB in single light square. HA option available for single light square only.
- CE is not available with the DIMRF, MS, MS/X, MS/OIM, P, R or PER7 options. Available in 120-277V only.
- Not available with SL-series distributions.

Coming soon

Options (Add as Suffix)
BBB=Battery Pack with Back Box ^{3,10,12} CWB=Cold Weather Battery Pack with Back Box ^{3,10,12} UPL=Uplight Housing (Not available with Back Box) ²⁵
Accessories (Order Separately)
MA1058XX=Thru-Branch Wiring Back Box (Must Specify Color)

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

SPECIFICATION FEATURES

Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and large design. The small housing is available in 7W and 18W. The large housing is available in the 26W model. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three (3) half-inch, NPT threaded conduit entry points. The universal back box supports both the small and large forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Solid state LED Crosstour luminaires are thermally optimized with five (5) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 7W models operate in -40°C to 40°C [-40°F to 104°F]. 18W and 26W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 90% of initial

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light output after 72,000 hours of operation. Three (3) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty

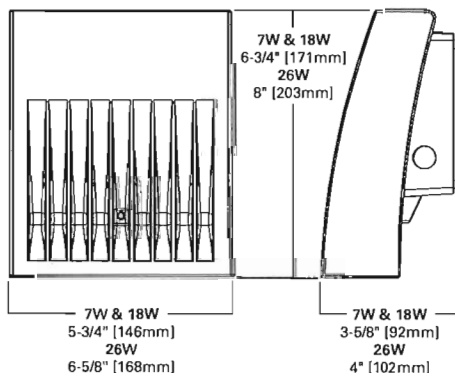
Five-year warranty.



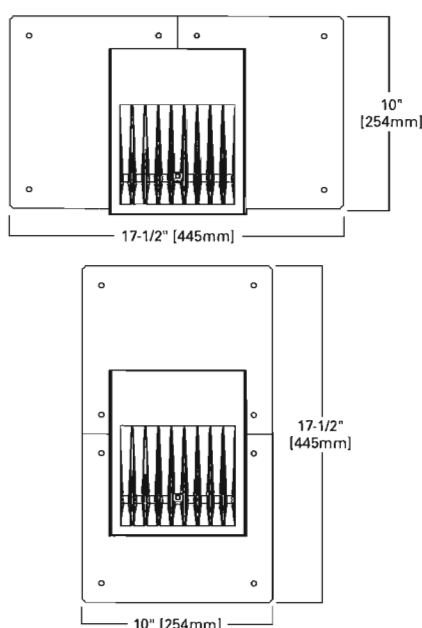
XTOR CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA

40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

Effective Projected Area (Sq. Ft.):
XTOR1A/XTOR2A=0.34
XTOR3A=0.45

SHIPPING DATA:

Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1A Model		
25°C	> 92%	> 290,000
40°C	> 92%	> 290,000
50°C	> 91%	> 270,000
XTOR2A Model		
25°C	> 91%	> 270,000
40°C	> 90%	> 260,000
50°C	> 88%	> 225,000
XTOR3A Model		
25°C	> 91%	> 280,000
40°C	> 91%	> 270,000
50°C	> 89%	> 240,000

LUMENS - CRI/CCT TABLE

LED Information	XTOR1A	XTOR2A	XTOR2A-N	XTOR3A	XTOR3A-N
Delivered Lumens (Wall Mount)	722	1,633	1,523	2,804	2,284
Delivered Lumens (With Flood Accessory Kit) ¹	468	1,060	978	2,168	1,738
B.U.G. Rating ²	B0-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0
CCT (Kelvin)	5,000	5,000	3,500	5,000	3,500
CRI (Color Rendering Index)	65	65	70	65	70
Power Consumption (Watts)	7W	18W	18W	26W	26W

NOTES: 1 Includes shield and visor. 2 B.U.G. Rating does not apply to floodlighting.

CURRENT DRAW

Voltage	Model Series		
	XTOR1A	XTOR2A	XTOR3A
120V	0.05A	0.15A	0.22A
208V	0.03A	0.08A	0.13A
240V	0.03A	0.07A	0.11A
277V	0.03A	0.06A	0.10A
347V	0.025A	0.058A	0.082A

ORDERING INFORMATION

Sample Number: XTOR2A-N-WT-PC1

Series ¹	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)
XTOR1A=Small Door, 7W XTOR2A=Small Door, 18W XTOR3A=Small Door, 26W	[Blank]=Bright White (Standard) 5000K N=Neutral Warm White, 3500K ²	[Blank]=Carbon Bronze (Standard) WT=Summit White	PC1=Photocontrol 120V ³ PC2=Photocontrol 208-277V ^{3,4} 347V=347V ⁵ HA=50°C High Ambient ⁵	WG/XTOR=Wire Guard ⁶ XTORFLD-KNC=Knuckle Floodlight Kit ⁷ XTORFLD-TRN=Trunnion Floodlight Kit ⁷ XTORFLD-KNC-WT=Knuckle Floodlight Kit, Summit White ⁷ XTORFLD-TRN-WT=Trunnion Floodlight Kit, Summit White ⁷ EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White

NOTES: 1 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2 XTOR1A not available in 3500K. 3 Photocontrols are factory installed. 4 Order PC2 for 347V models. 5 Thru-branch wiring not available with HA option or with 347V. 6 Wire guard for wall/surface mount. Not for use with floodlight kit accessory. 7 Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

7W Series	18W Series	26W Series
XTOR1A=7W, 5000K, Carbon Bronze	XTOR2A=18W, 5000K, Carbon Bronze	XTOR3A=26W, 5000K, Carbon Bronze
XTOR1A-WT=7W, 5000K, Summit White	XTOR2A-N=18W, 3500K, Carbon Bronze	XTOR3A-N=26W, 3500K, Carbon Bronze
XTOR1A-PC1=7W, 5000K, 120V PC, Carbon Bronze	XTOR2A-WT=18W, Summit White	XTOR3A-WT=26W, Summit White
	XTOR2A-PC1=18W, 120V PC, Carbon Bronze	XTOR3A-PC1=26W, 120V PC, Carbon Bronze

5-DAY QUICK SHIP ORDERING INFORMATION

7W Series	18W Series	26W Series
XTOR1A-WT-PC1=7W, 5000K, Summit White, 120V PC	XTOR2A-PC2=18W, 5000K, 208-277V PC, Carbon Bronze	XTOR3A-PC2=26W, 5000K, 208-277V PC, Carbon Bronze
	XTOR2A-WT-PC1=18W, 5000K, Summit White, 120V PC	XTOR3A-WT-PC1=26W, 5000K, Summit White, 120V PC
	XTOR2A-WT-PC2=18W, 5000K, Summit White, 208-277V PC	XTOR3A-WT-PC2=26W, 5000K, Summit White, 208-277V PC
	XTOR2A-N-WT=18W, 3500K, Summit White	XTOR3A-N-WT=26W, 3500K, Summit White
	XTOR2A-N-PC1=18W, 3500K, 120V PC, Carbon Bronze	XTOR3A-N-PC1=26W, 3500K, 120V PC, Carbon Bronze
	XTOR2A-N-PC2=18W, 3500K, 208-277V PC, Carbon Bronze	XTOR3A-N-PC2=26W, 3500K, 208-277V PC, Carbon Bronze
	XTOR2A-N-WHT-PC1=18W, 3500K, Summit White, 120V PC	XTOR3A-N-WHT-PC1=26W, 3500K, Summit White, 120V PC
	XTOR2A-N-WT-PC2=18W, 3500K, Summit White, 208-277V PC	XTOR3A-N-WT-PC2=26W, 3500K, Summit White, 208-277V PC



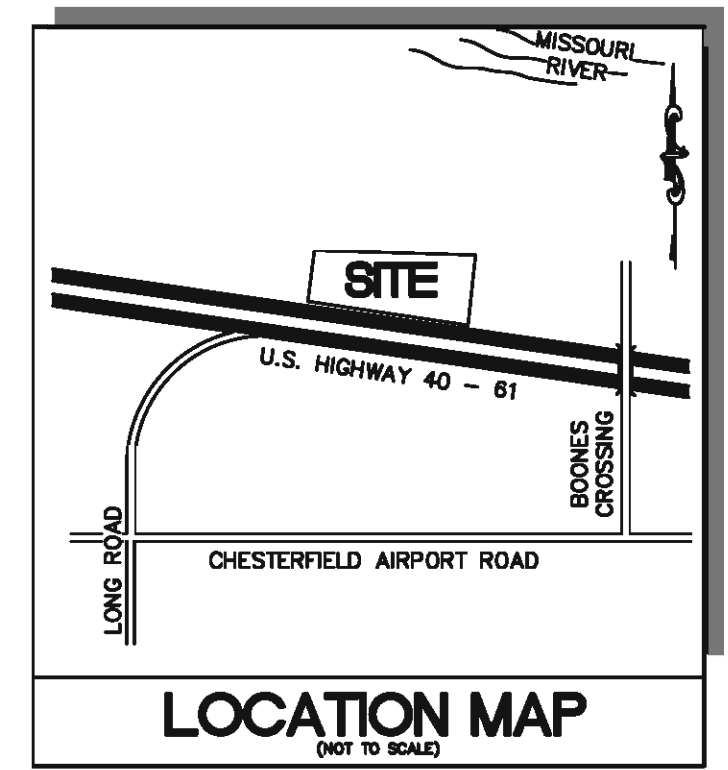
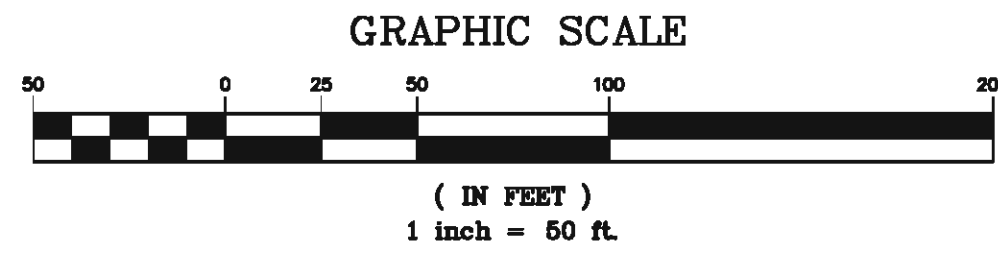






SITE PLAN

A TRACT OF LAND BEING LOT 2 OF AMENDED OUTDOOR EQUIPMENT SUBDIVISION AS RECORDED IN PLAT BOOK 353 PAGE 948
 LOCATED IN U.S. SURVEY 125, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN
 CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
 ZONED PLANNED INDUSTRIAL DISTRICT 'PI', ORD: # 2411



LOCATION MAP
(NOT TO SCALE)

FAR CALCULATION

	BUILDING AREA	LOT AREA
LOT 1	32,000 S.F.	175,003 S.F.
ADJ. LOT 2	108,900 S.F.	130,680 S.F.
TOTAL	140,900 S.F.	305,683 S.F.

F.A.R. = 140,900 S.F. / 305,683 S.F. = 0.46

GREENSPACE

REQUIRED: 31.0% PER ORDINANCE 2411
 PROVIDED: 34.9% (45,640 SF/130,680 SF)

BUILDING AND PARKING SETBACKS (PER ORDINANCE 2411 - LOT 2)

NORTH: 165' BUILDING AND 30' PARKING SETBACK
 EAST: 20' BUILDING AND 5' PARKING SETBACK
 SOUTH: 50' BUILDING AND 35' PARKING SETBACK
 WEST: 15' BUILDING AND 5' PARKING SETBACK

PERTINENT DATA

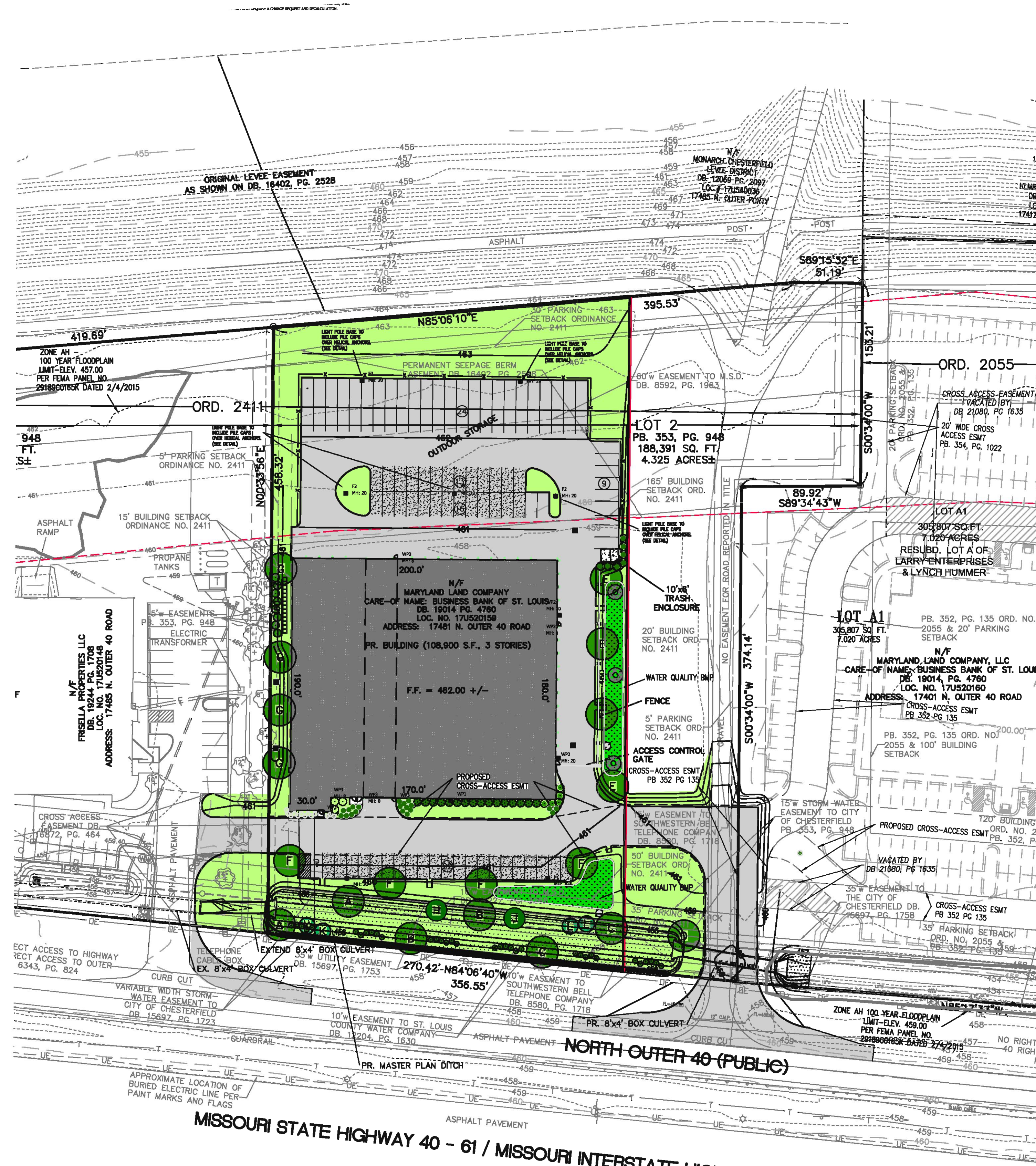
LOT 1 OWNER:	FRISELLA PROPERTIES, LLC
LOT 1 AREA:	4.018 Acres ±
EXISTING ZONING:	"PI" PLANNED INDUSTRIAL
LOCATOR NO.:	17U520148
LOT 2 OWNER:	MARYLAND LAND COMPANY L.L.C.
LOT 2 AREA:	4.325 Acres ±
EXISTING ZONING:	"PI" PLANNED INDUSTRIAL
LOCATOR NO.:	17U520159
FIRE DISTRICT:	MONARCH FIRE PROTECTION DISTRICT
SCHOOL DISTRICT:	ROCKWOOD
SEWER DISTRICT:	METROPOLITAN ST. LOUIS SEWER DIST.
WATER SHED:	MISSOURI RIVER
FEMA MAP:	29189C0165K, FEB 4, 2015
ELECTRIC COMPANY:	AMEREN UE
GAS COMPANY:	LACLEDE GAS COMPANY
PHONE COMPANY:	AT&T
WATER COMPANY:	MISSOURI AMERICAN WATER COMPANY

FLOOD NOTE

SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "AH" (FLOOD DEPTHS OF 1 TO 3 FEET) (USUALLY AREAS OF PONDING) BASE FLOOD ELEVATION DETERMINED (ELEVATION 459) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS. THE MAP IS IDENTIFIED AS MAP NO. 29189C0165K WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015.

PARKING

REQUIRED: SELF STORAGE = 1.0/1000 GFA (MIN), 1.2/1000 GFA (MAX)
 MINIMUM: 108,900 GFA @ 1.0/1000 = 109 SPACES
 MAXIMUM: 108,900 GFA @ 1.2/1000 = 131 SPACES
 TOTAL PROVIDED = 22 SPACES (SEE PARKING DEMAND STUDY)



ABBREVIATIONS

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

LEGEND

	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING TREE
	EXISTING BUILDING
	EXISTING CONTOUR
	SPOT ELEVATION
	EXISTING UTILITIES
	FOUND 1/2" IRON PIPE
	SET IRON PIPE
	FOUND CROSS
	FOUND STONE
	FIRE HYDRANT
	LIGHT STANDARD
	BUSH
	SIGN
	NOTES PARKING SPACES
	GUY WIRE
	POWER POLE
	WATER VALVE
	DENOTES RECORD INFORMATION
	HANDICAPPED PARKING
	PROPOSED CONTOUR
	PROPOSED SPOT
	PROPOSED STORM
	PROPOSED SANITARY

PREPARED FOR:
 NORTHPOINT DEVELOPMENT
 ATTN: MARK POMERENKE & BEN HAGEDORN
 5015 NW CANAL STREET, SUITE 200
 RIVERSIDE, MO 64150
 (816) 888-7391 (MARK)

WAGNER FAMILY HOLDING'S
 ATTN: DANIEL J. WAGNER
 4712 GREEN PARK ROAD
 St. Louis, MO 63123
 (314) 892-1600

M.S.D. BENCHMARKS

11-108 486.82 - "Standard Aluminum Disk" stamped SL-40 1990 Disk is set along the north side of the North Outer Road of Highway 64 and the extended centerline of the Spirit of Saint Louis Boulevard, Approximately 0.3 mile north of Chesterfield Airport Road.

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY WITH COMPLIING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMO.

257 Chesterfield Business Parkway
 St. Louis, MO 63015
 PH: (636) 580-9100
 PH: (636) 580-9130
 e-mail: general@stockandassociates.com
 Web: www.stockandassociates.com

STOCK & ASSOCIATES

Consulting Engineers, Inc.

PREPARED BY:
 SITE DEVELOPMENT SECTION PLAN FOR:
BEYOND SELF STORAGE AT CHESTERFIELD
 17481 N. OUTER 40 ROAD
 CITY OF CHESTERFIELD, MO

GEORGE M. STOCK E-29118
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 000998

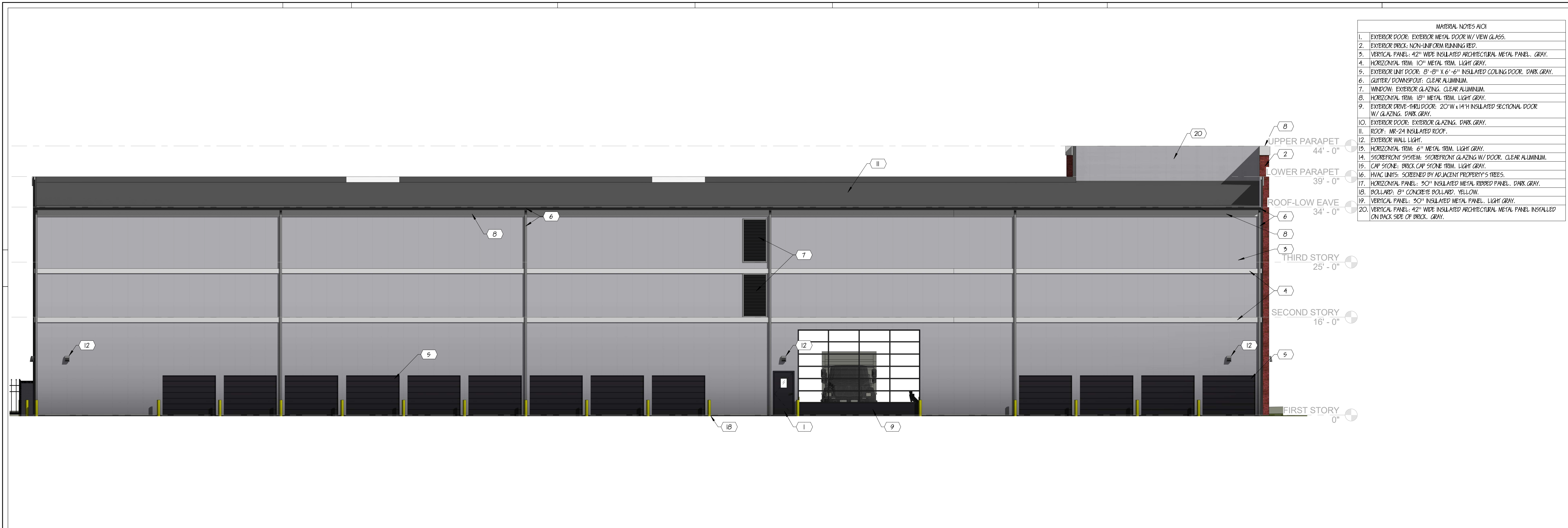
REVISIONS:

NO.	DATE	DESCRIPTION

DRAWN BY:	C.A.H.	CHECKED BY:	G.M.S.
DATE:	4/29/2016	JOB NO.:	216-5757
M.S.D. P. #:	-	BASE MAP #:	17U5
S.L.C. HAT #:	-	HAT S.U.P. #:	-
M.D.N.R. #:	-		

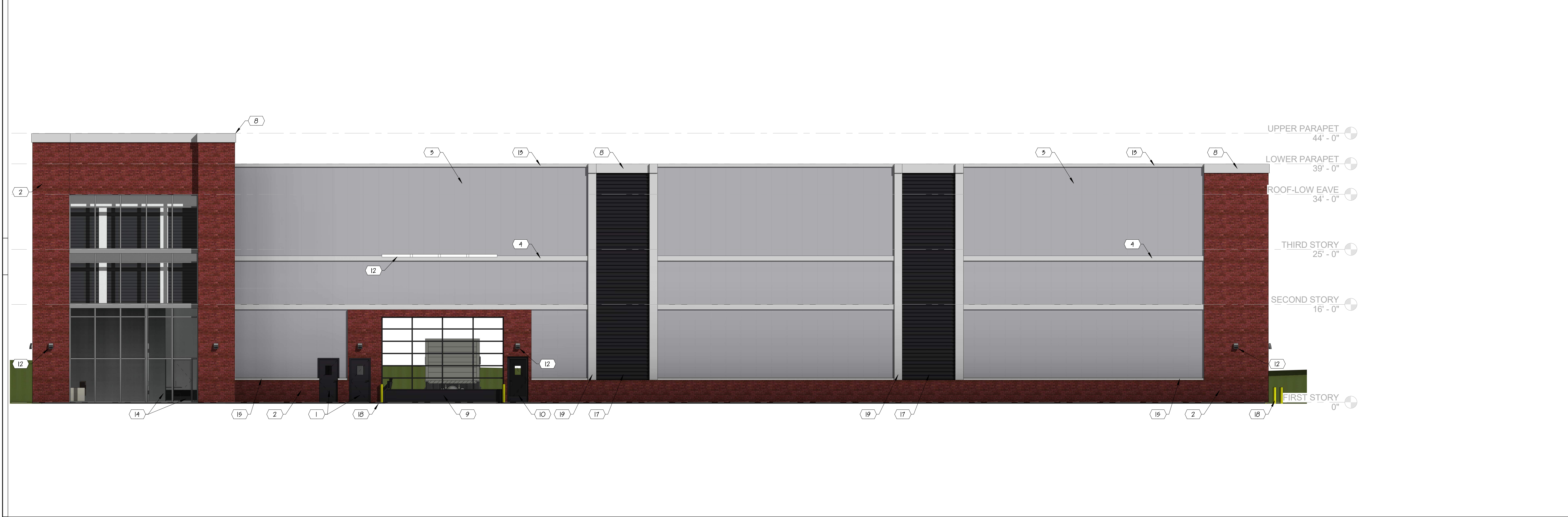
SHEET TITLE:
 SITE PLAN

SHEET NO.:



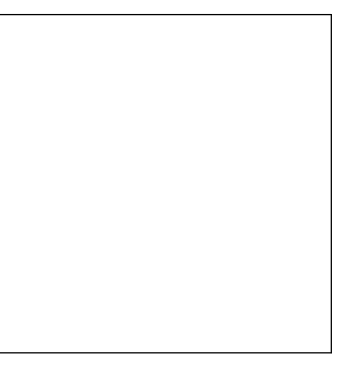
MATERIAL NOTES A101	
1.	EXTERIOR DOOR: EXTERIOR METAL DOOR W/ VIEW GLASS.
2.	EXTERIOR BRICK: NON-UNIFORM RUNNING RED.
3.	VERTICAL PANEL: 42" WIDE INSULATED ARCHITECTURAL METAL PANEL. GRAY.
4.	HORIZONTAL TRIM: 10" METAL TRIM. LIGHT GRAY.
5.	EXTERIOR UNIT DOOR: 8'-8" X 6'-6" INSULATED COLING DOOR. DARK GRAY.
6.	GUTTER/ DOWNSPOUT: CLEAR ALUMINUM.
7.	WINDOW: EXTERIOR GLAZING. CLEAR ALUMINUM.
8.	HORIZONTAL TRIM: 18" METAL TRIM. LIGHT GRAY.
9.	EXTERIOR DRIVE-THRU DOOR: 20' W X 14' H INSULATED SECTIONAL DOOR W/ GLAZING. DARK GRAY.
10.	EXTERIOR DOOR: EXTERIOR GLAZING. DARK GRAY.
11.	ROOF: NR-24 INSULATED ROOF.
12.	EXTERIOR WALL LIGHT.
13.	HORIZONTAL TRIM: 6" METAL TRIM. LIGHT GRAY.
14.	STOREFRONT SYSTEM: STOREFRONT GLAZING W/ DOOR. CLEAR ALUMINUM.
15.	CAP STONE: BRICK CAP STONE TRIM. LIGHT GRAY.
16.	HVAC UNITS: SCREENED BY ADJACENT PROPERTY'S TREES.
17.	HORIZONTAL PANEL: 30" INSULATED METAL RIBBED PANEL. DARK GRAY.
18.	BOLLARD: 8" CONCRETE BOLLARD. YELLOW.
19.	VERTICAL PANEL: 30" INSULATED METAL PANEL. LIGHT GRAY.
20.	VERTICAL PANEL: 42" WIDE INSULATED ARCHITECTURAL METAL PANEL INSTALLED ON BACK SIDE OF BRICK. GRAY.

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



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

BEYOND SELF STORAGE AT CHESTERFIELD
17481 NORTH OUTER 40 RD
CHESTERFIELD, MO

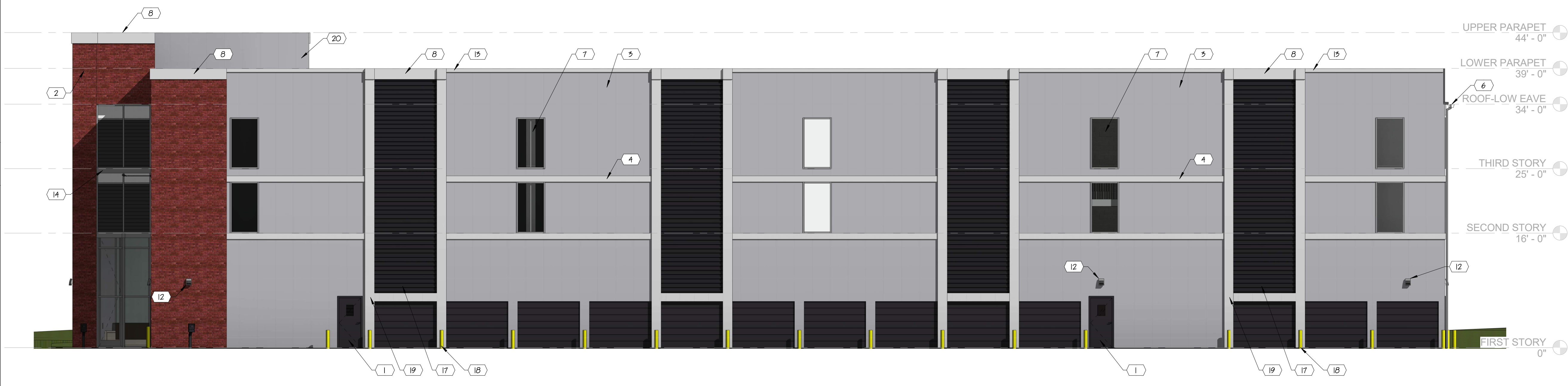


920 Massachusetts
Lawrence, Kansas
66044
785 - 749 - 5804
FAX 785 - 749 - 1515

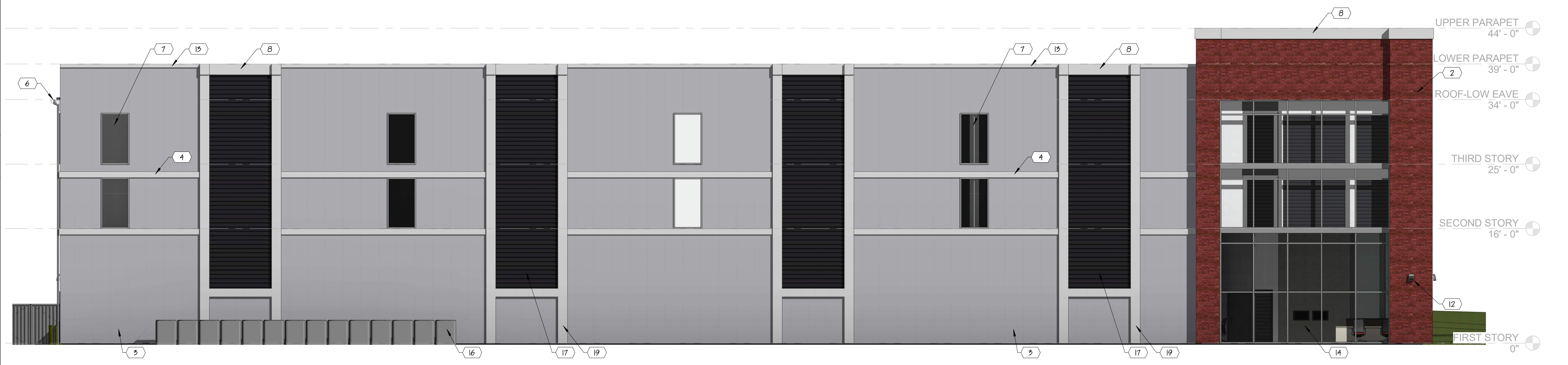
EXTERIOR ELEVATIONS

Date: 05/20/16
Drawn by: J.RUBIO
Checked by: S.HERNLY
Revisions:

MATERIAL NOTES A102	
1.	EXTERIOR DOOR: EXTERIOR METAL DOOR W/ VIEW GLASS.
2.	EXTERIOR BRICK: NON-UNIFORM RUNNING RED.
3.	VERTICAL PANEL: 42" WIDE INSULATED ARCHITECTURAL METAL PANEL. GRAY.
4.	HORIZONTAL TRIM: 10" METAL TRIM. LIGHT GRAY.
5.	EXTERIOR UNIT DOOR: 8'-8" X 6'-6" INSULATED COLING DOOR. DARK GRAY.
6.	GUTTER/ DOWNEPOUT: CLEAR ALUMINUM.
7.	WINDOW: EXTERIOR GLAZING. CLEAR ALUMINUM.
8.	HORIZONTAL TRIM: 18" METAL TRIM. LIGHT GRAY.
9.	EXTERIOR DRIVE-THRU DOOR: 20' W X 14' H INSULATED SECTIONAL DOOR W/ GLAZING. DARK GRAY.
10.	EXTERIOR DOOR: EXTERIOR GLAZING. DARK GRAY.
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12.	EXTERIOR WALL LIGHT.
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14.	STOREFRONT SYSTEM: STOREFRONT GLAZING W/ DOOR. CLEAR ALUMINUM.
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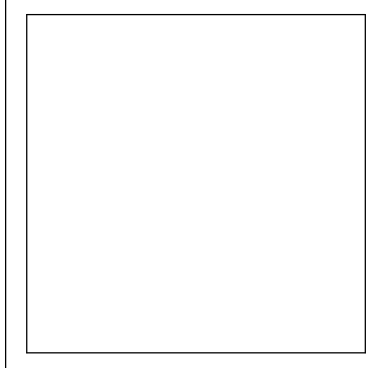


1 EAST ELEVATION
1/8" = 1'-0"



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

BEYOND SELF STORAGE AT CHESTERFIELD
17481 NORTH OUTER 40 RD
CHESTERFIELD, MO



ARCHITECTS
PRESENTATION CONSULTANTS
GRANT ADMINISTRATORS

920 Massachusetts
Lawrence, Kansas
66044
785 - 749 - 5804
FAX 785 - 749 - 1515

EXTERIOR ELEVATIONS

Date: 05/20/16
Drawn by: J.RUBIO
Checked by: S.HERNLY
Revisions:

A105



SE PERSPECTIVE



SW PERSPECTIVE

BEYOND SELF STORAGE AT CHESTERFIELD

17481 NORTH OUTER 40 RD
CHESTERFIELD, MO

Hernly
ASSOCIATES, LLC
ARCHITECTS
PRESENTATION CONSULTANTS
GRANT ADMINISTRATORS

920 Massachusetts
Lawrence, Kansas
66044
785 - 749 - 5806
FAX 785 - 749 - 1515

EXTERIOR PERSPECTIVES

Date: 05/20/16
Drawn by: J.RUBIO
Checked by: S.HERNLY
Revisions:

A106

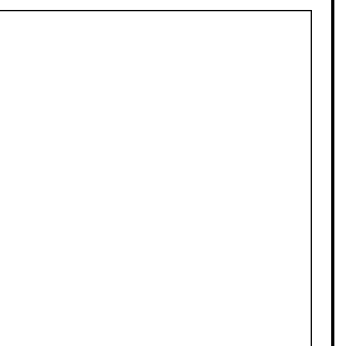


NE PERSPECTIVE



NW PERSPECTIVE - HVAC SCREENED BY ADJACENT PROPERTY'S TREES (See NW levy perspective for existing site rendering)

BEYOND SELF STORAGE AT CHESTERFIELD
 17481 NORTH OUTER 40 RD
 CHESTERFIELD, MO

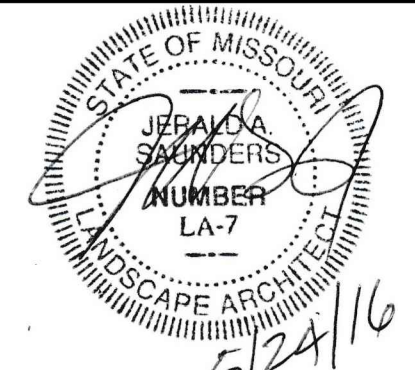


920 Massachusetts
 Lawrence, Kansas
 66044
 785 - 749 - 5806
 FAX 785 - 749 - 1515

EXTERIOR PERSPECTIVES

Date: 05/20/16
 Drawn by: J. RUBIO
 Checked by: S. HERNLY
 Revisions:

A107



Jerald Saunders - Landscape Architect
MO License # LA-007

Consultants:

BEYOND SELF STORAGE AT CHESTERFIELD

17481 N. Outer Road, City of Chesterfield, Missouri

Revisions:

Date	Description	No.
5/25/16	City Comments	

Drawn: KP
Checked: RS

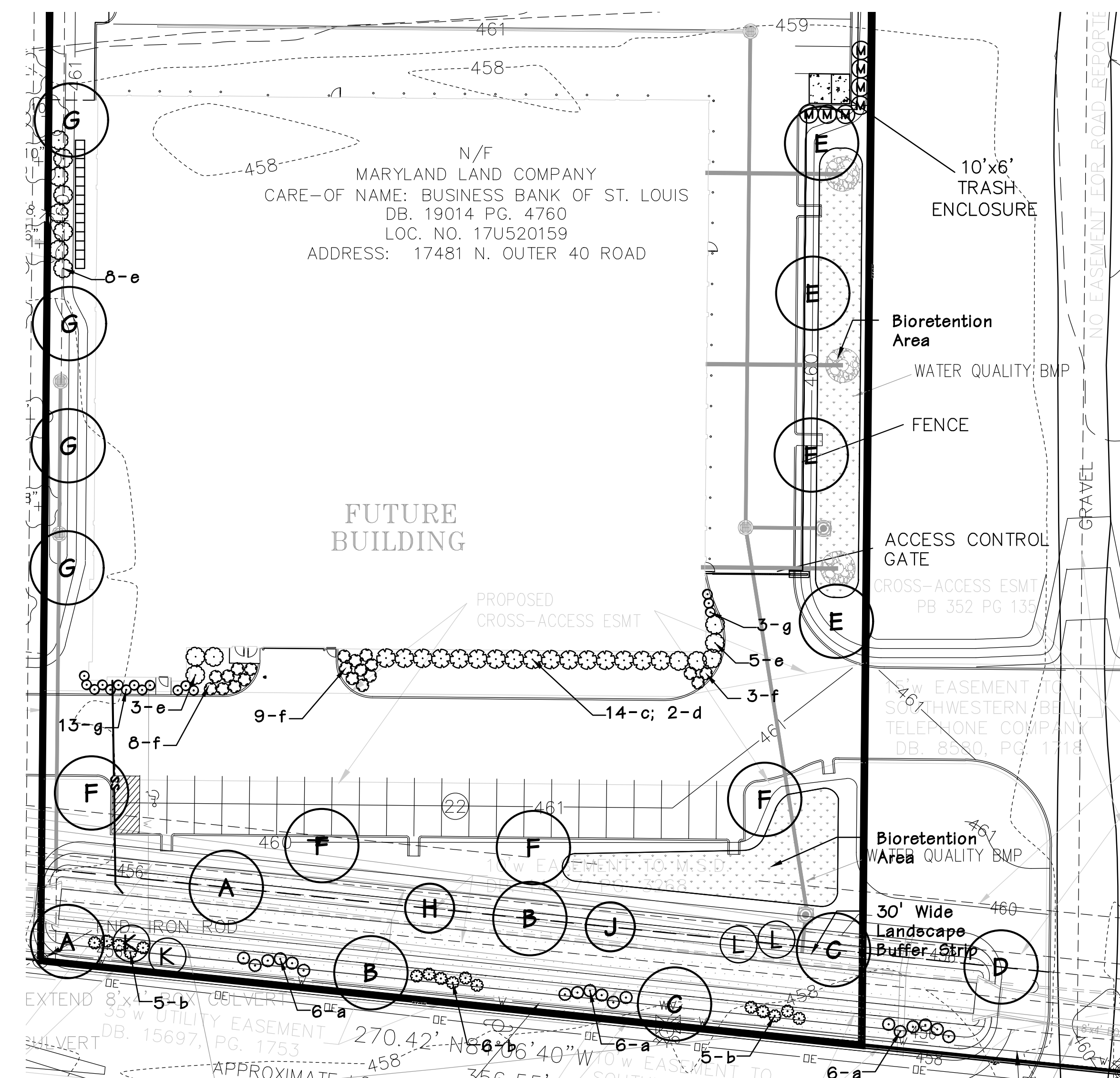
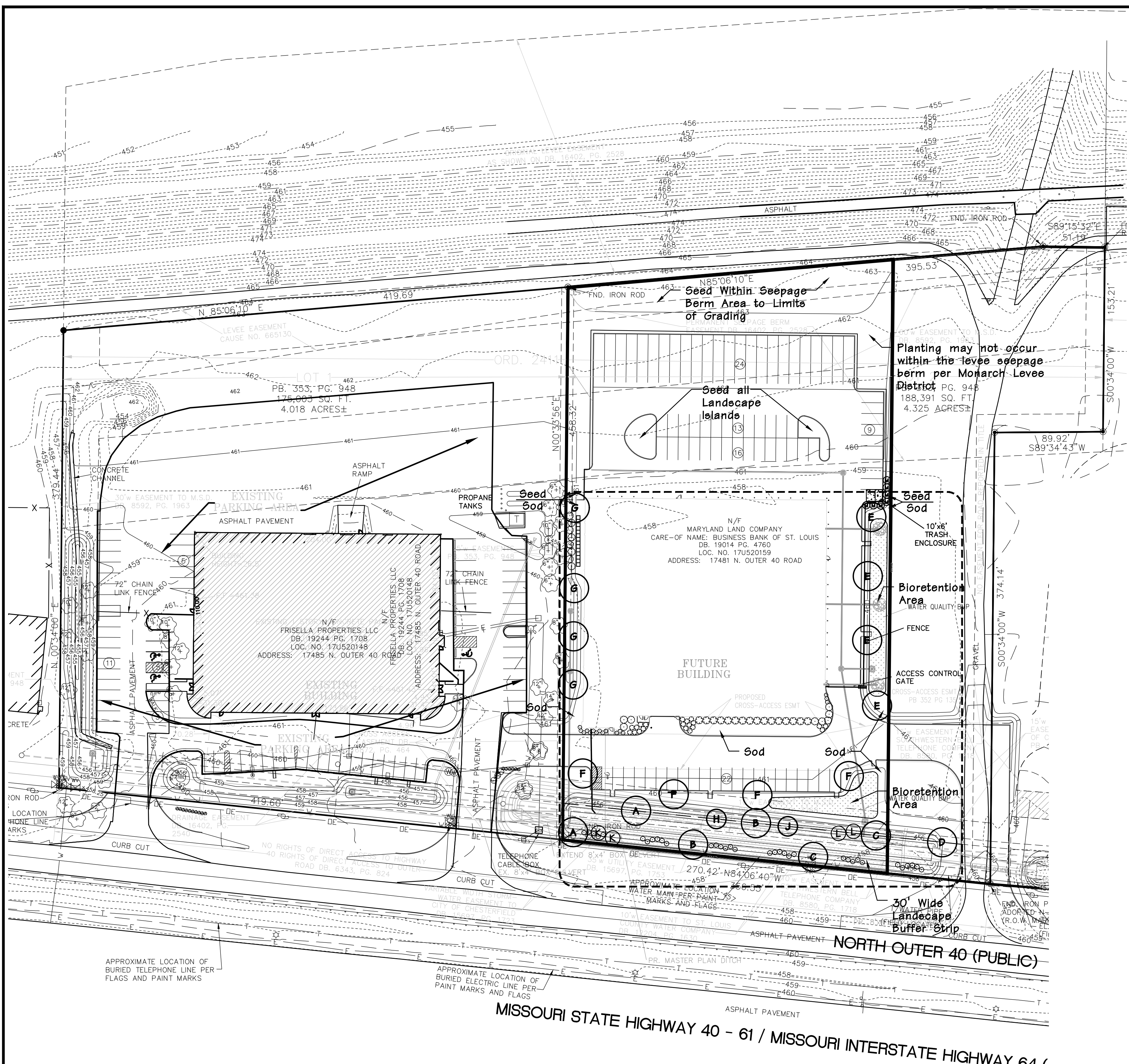
loomisAssociates

landscapedesignplanners
707 Spirit-40 Park Drive, Suite 105
Chesterfield, Missouri 63005-1054
Tel: 636.888.8888
Email: info@loomis-associates.com

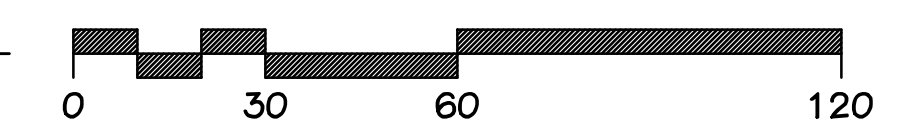
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Sheet No: L-1

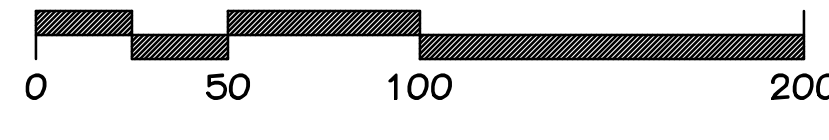
Date: 4/29/16
Job #: 613.048



Partial Landscape Plan
SCALE 1"=30'



Landscape Plan
SCALE 1"=50'

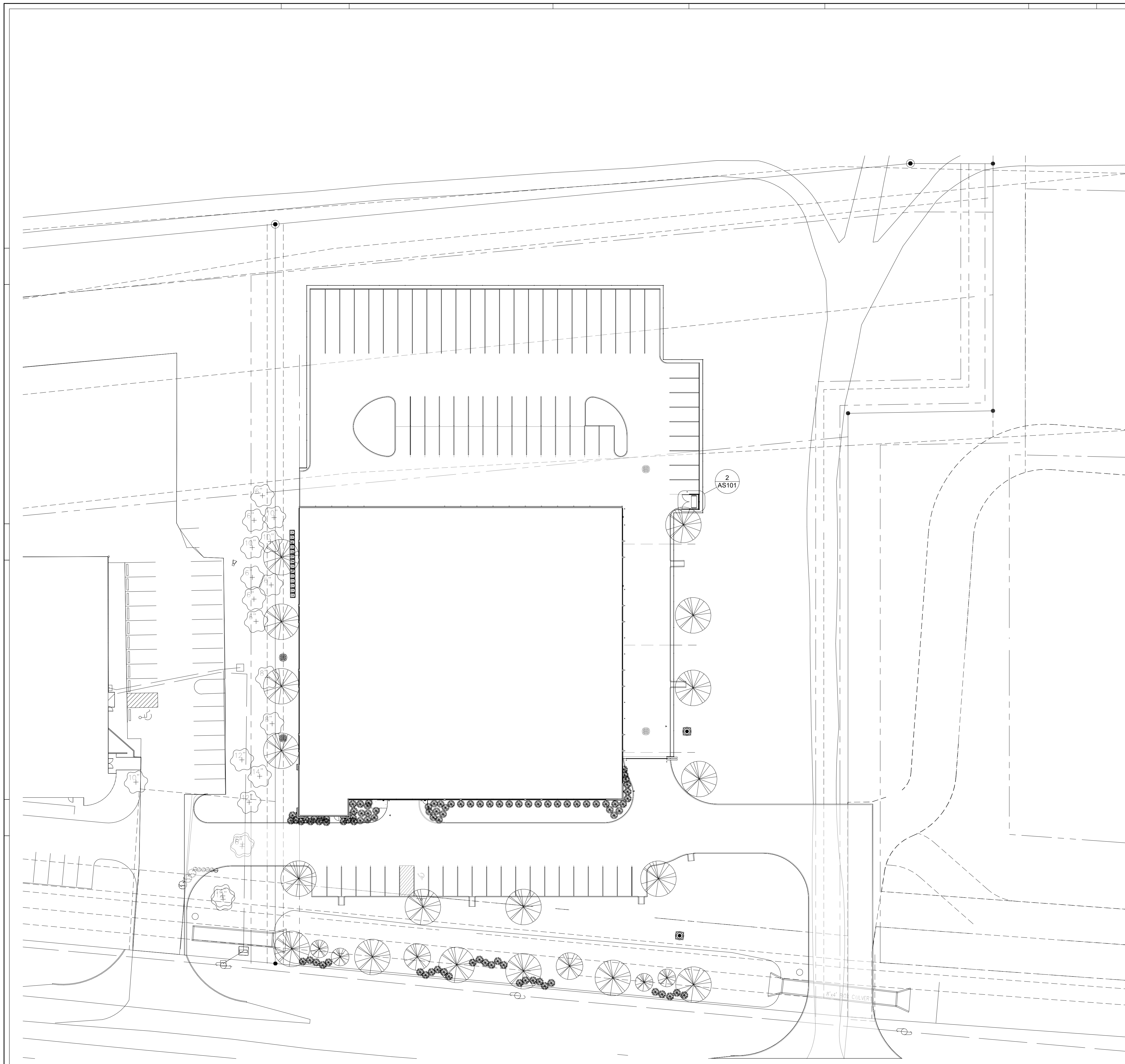


Prepared For:
Client Name: Northpoint Development
Mark Pomeranke
Address: 5015 NW Canal Street, Suite 200
Riverside, MO 64150
Telephone Number: (816) 888-7391

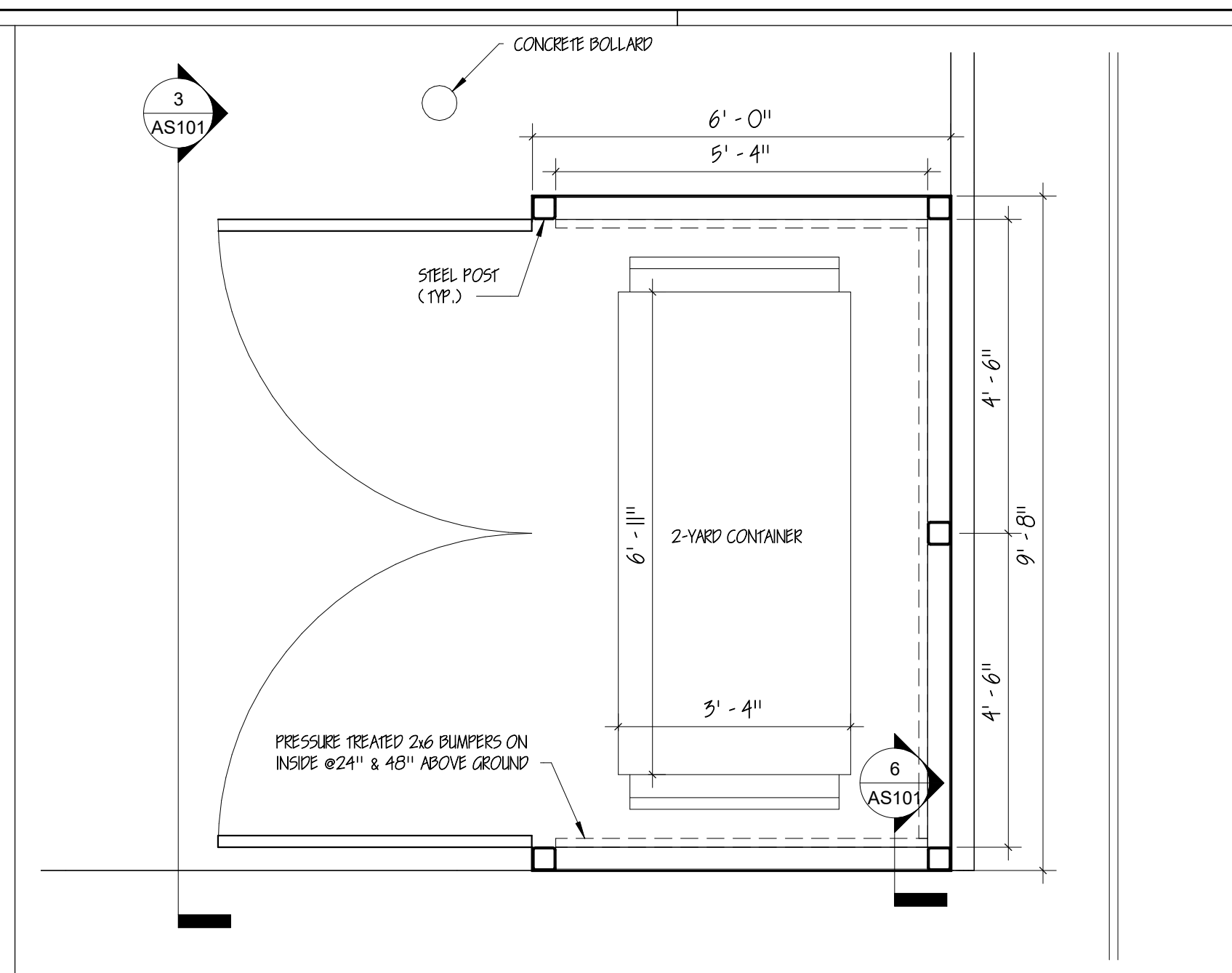
Open Space = 34.93%
Note: All landscaped areas, including islands, shall be provided with a mechanical, in-ground irrigation system.

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUBS AND LARGE GRASSES					
c	14	<i>Ilex x meserveae</i> Blue Princess	Blue Princess Holly	5 gal	
d	2	<i>Ilex x meserveae</i> Blue Prince	Blue Prince Holly	5 gal	
e	16	<i>Viburnum rhytidophyllum</i>	Leatherleaf Viburnum	5 gal	
f	20	<i>Weigela</i> 'Minuet'	Minuet Weigela	5 gal	
g	6	<i>Panicum</i> 'Prairie Fire'	Prairie Fire Switch Grass	5 gal	

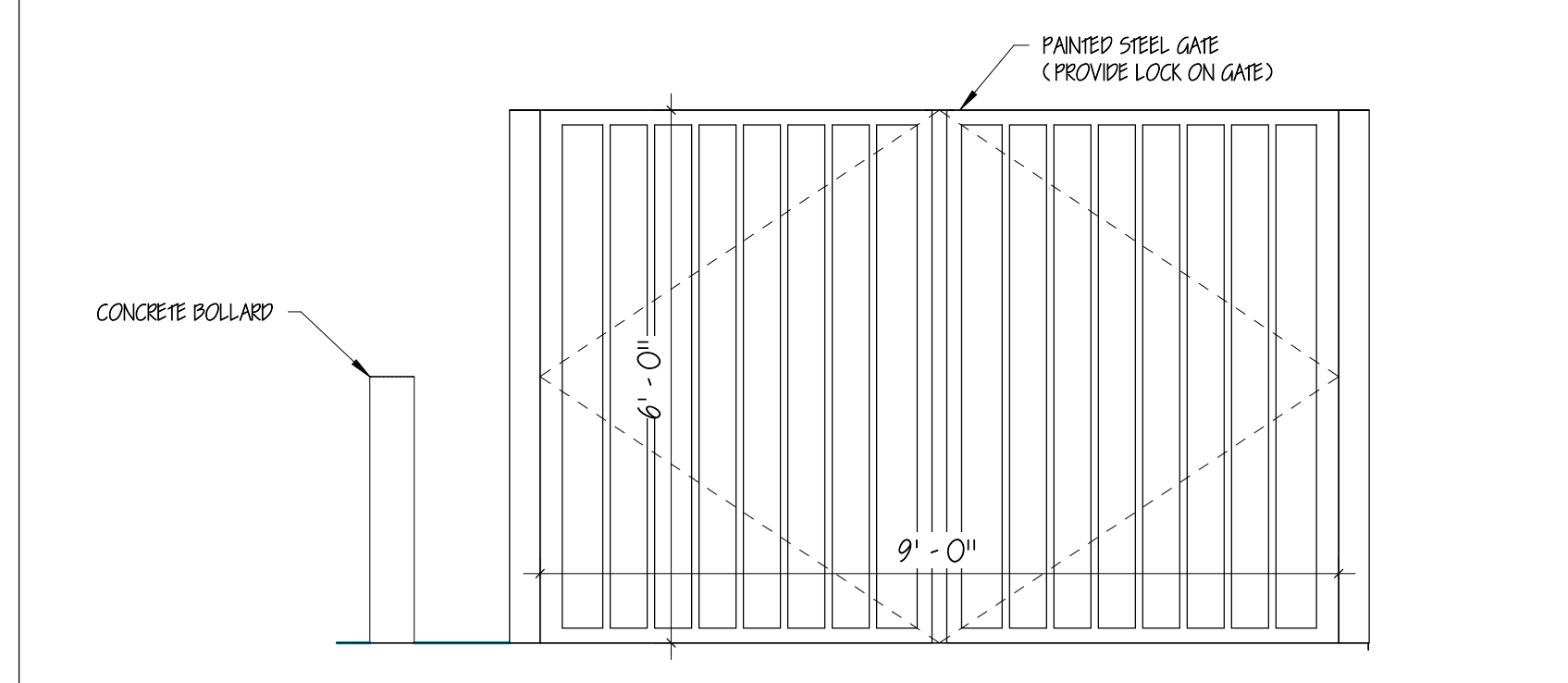
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	TYPE	GROWTH RATE/SIZE
TREES (STREET)							
A	2	<i>Quercus rubra</i>	Red Oak	2.5" cal	B&B	Deciduous	Medium - Fast / Large
B	2	<i>Quercus shumardii</i>	Shumard Oak	2.5" cal	B&B	Deciduous	Medium - Fast / Large
C	2	<i>Quercus bicolor</i>	Swamp White Oak	2.5" cal	B&B	Deciduous	Medium / Large
D	1	<i>Quercus alba</i>	White Oak	2.5" cal	B&B	Deciduous	Medium / Large
TREES (ONSITE AND BUFFER)							
E	4	<i>Zelkova serrata</i> 'Green Vase'	Green Vase Zelkova	2.5" cal	B&B	Deciduous	Fast / Large
F	4	<i>Ginkgo biloba</i> 'Princeton Sentry'	Princeton Sentry Ginkgo (Male)	2.5" cal	B&B	Deciduous	Slow - Medium / Large
G	4	<i>Taxodium distichum</i>	Bald Cypress	2.5" cal	B&B	Deciduous	Medium / Large
H	1	<i>Prunus sargentii</i> 'Columnaris'	Columnar Sargent Cherry	2.5" cal	B&B	Ornamental	Medium / Medium
J	1	<i>Amelanchier arborea</i>	Downy Serviceberry	2.5" cal	B&B	Ornamental	Slow - Medium / Medium
K	2	<i>Picea glauca</i>	White Spruce	6' ht	B&B	Evergreen	Medium / Medium
L	2	<i>Juniperus virginiana</i>	Red Cedar	6' ht	B&B	Evergreen	Medium / Medium
M	7	<i>Juniperus chinensis</i> 'Keteleeri'	Keteleeri Juniper	6' ht	B&B	Evergreen	Medium / Medium
SHRUBS (BUFFER)							
a	16	<i>Viburnum dentatum</i> 'Chrietom'	Blue Muffin Arrowwood Viburnum	5 gal			
b	16	<i>Viburnum carlesii</i> 'Aurora'	Aurora Koreanspice Viburnum	5 gal			



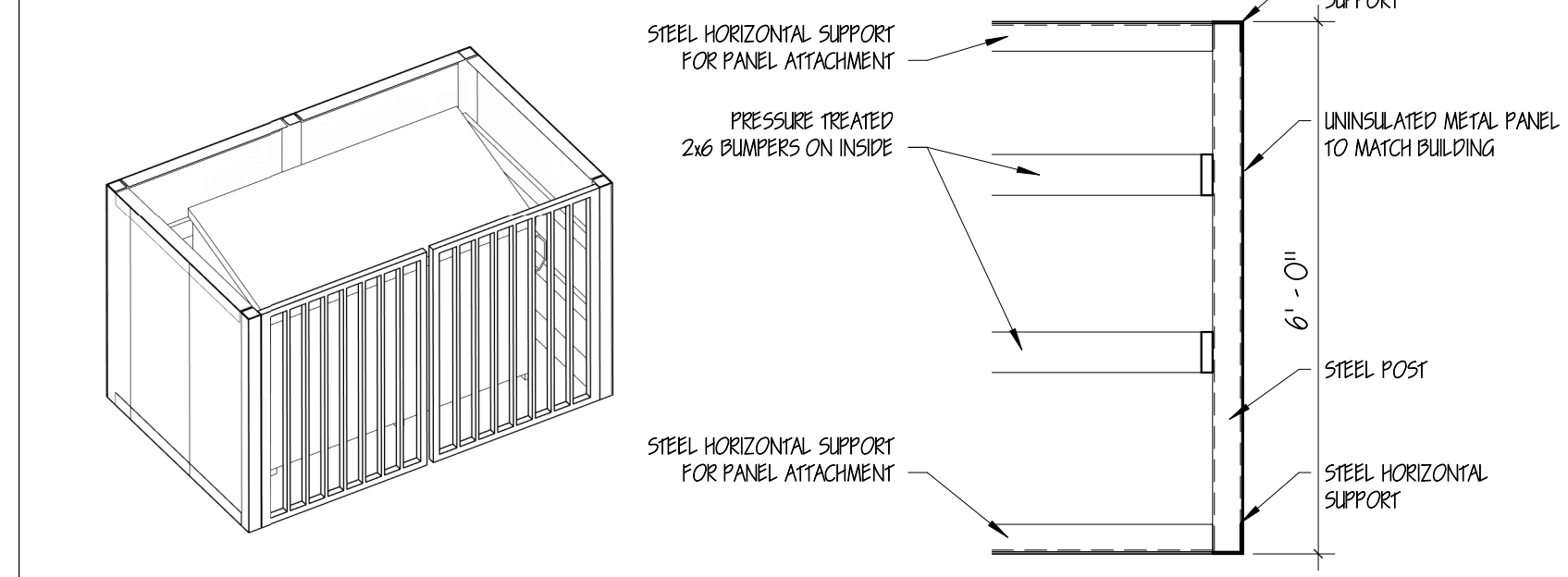
1 ARCHITECTURAL SITE PLAN
1" = 30'-0"



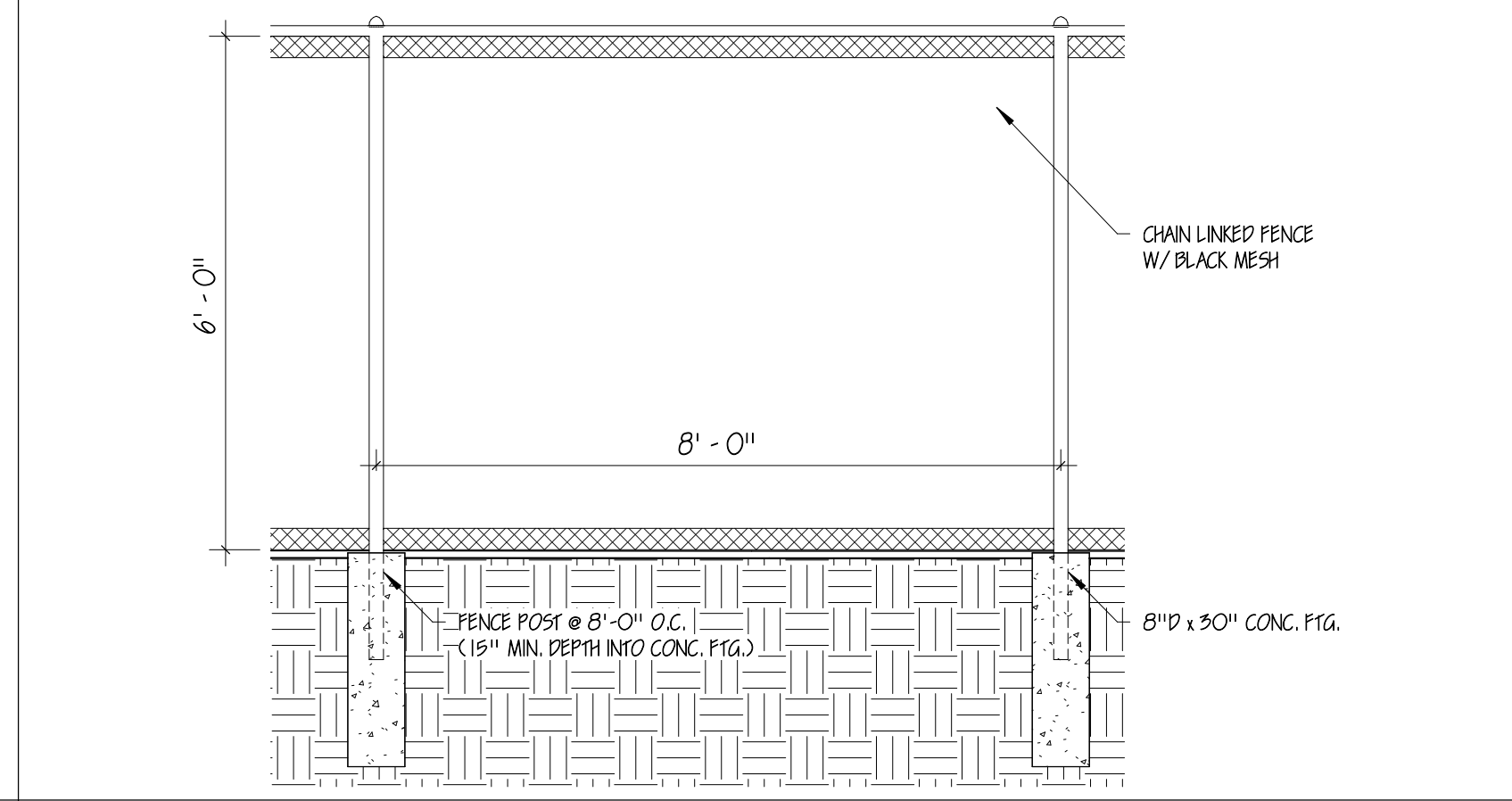
2 ENLARGED DUMPER AREA
1/2" = 1'-0"



3 DUMPER FRONT ELEVATION
1/2" = 1'-0"



4 DUMPSTER DETAILS



5 TYPICAL CHAIN LINKED FENCE
1/2" = 1'-0"

BEYOND SELF STORAGE AT CHESTERFIELD
17481 NORTH OUTER 40 RD
CHESTERFIELD, MO



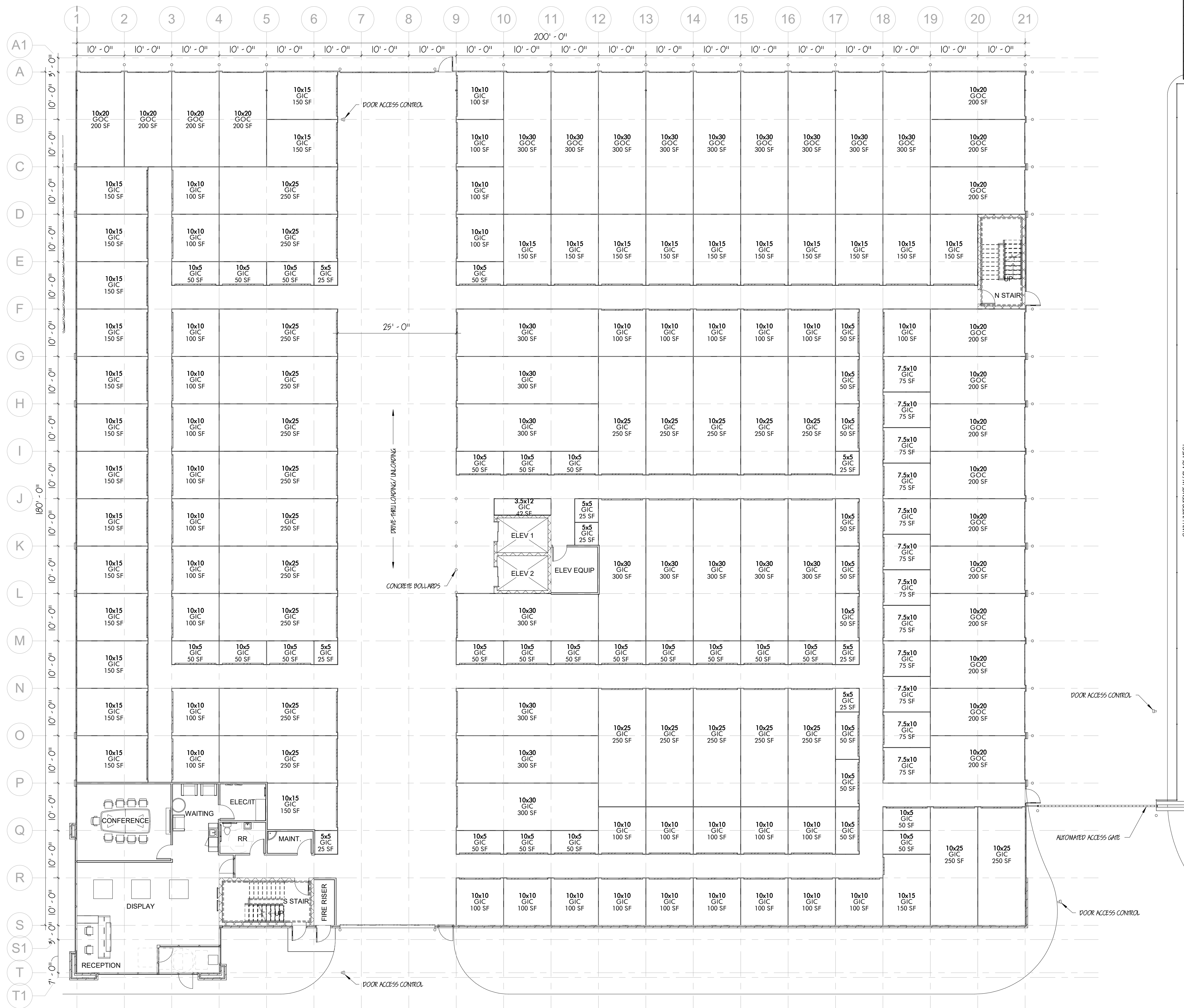
920 Massachusetts
Lawrence, Kansas
66044
785 - 749 - 5806
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ARCHITECTURAL SITE PLAN

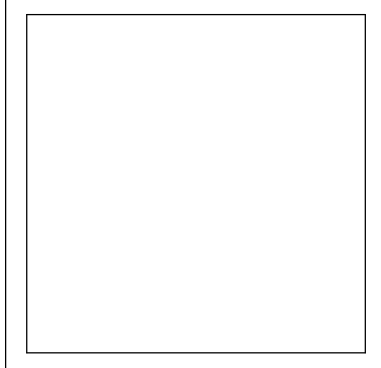
Date: 05/20/16
Drawn by: J. RUBIO
Checked by: S. HERNLY
Revisions:

AS101

UNIT MIX SCHEDULE - PERCENTAGES					
UNIT SIZE / NAME	COUNT	AREA	UNIT TYPE PERCENTAGE	TOTAL UNIT AREA	UNIT AREA PERCENTAGE
3.5x12	5	42 SF	0.44%	126	0.15%
5x5	50	25 SF	7.55%	1250	1.50%
7.5x10	108	75 SF	19.84%	8100	9.69%
10x5	96	50 SF	14.08%	4800	5.74%
10x10	157	100 SF	20.09%	15700	16.59%
10x15	159	150 SF	20.98%	20890	24.99%
10x20	71	200 SF	10.41%	14200	16.99%
10x25	57	250 SF	8.56%	14250	17.05%
10x30	21	300 SF	5.08%	6300	7.54%
TOTAL	662		100.00%	89976	100.00%



BEYOND SELF STORAGE AT CHESTERFIELD
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 CHESTERFIELD, MO



Hernly ASSOCIATES, LLC
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FIRST STORY PLAN

Date: 05/20/16
 Drawn by: J. RUBIO
 Checked by: S. HERNLY
 Revisions:



1 SECOND STORY PLAN
3/32" = 1'-0"

BEYOND SELF STORAGE AT CHESTERFIELD
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SECOND STORY PLAN

Date: 05/20/16
Drawn by: J.RUBIO
Checked by: S.HERNLY
Revisions:

A102



1 THIRD STORY PLAN
3/32" = 1'-0"

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THIRD STORY PLAN

Date: 05/20/16
Drawn by: J.RUBIO
Checked by: S.HERNLY
Revisions:

A103