

Southgate City Council Agenda

Council Chambers

14400 Dix-Toledo Rd., Southgate, Michigan 48195

Thursday June 20, 2024

6:30pm

Work Study Session

1. Officials Reports
2. Discussion of Agenda Items

7:00 pm

Regular Meeting

Pledge of Allegiance

Roll Call:

Ayres-Reiss, Gawlik, George, Graziani, Kowalsky, Kuspa, Rauch

Minutes:

1. Work Study Meeting Minutes dated June 5, 2024
2. Regular City Council Meeting Minutes dated June 5, 2024

Scheduled Persons in the Audience:

Consideration of Bids:

Scheduled Hearings:

Communications "A"

- | | |
|---|---------|
| 1. Letter from Mayor; Re: Refurbishment of Flatbed Pickup Truck (Waiver of Bid) | Page 5 |
| 2. Memo from Administrator; Re: Waste Collection Contract Assignment to Priority Waste | Page 9 |
| 3. Memo from Administrator; Re: Planned Development Phase 1 – 15601 Northline (Aquinas) | Page 12 |
| 4. Memo from ACA/Finance Dir.; Re: Fiscal Year 2023-24 Budget Amendment #2024-02 | Page 56 |
| 5. Letter from Mayor; Re: Approve Change Order No. 1 for 2023-24 Sidewalk Replacement Program | Page 58 |
| 6. Letter from Mayor; Re: Approve Installation of Fire Department Weight Room Air Conditioner | Page 66 |

Communications "B" – (Receive and File):

1. Memo from Administrator; Re: Senior Alliance Implementation Plan

Page 69

Ordinances:

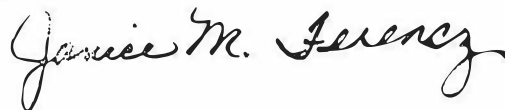
Old Business:

New Business:

Unscheduled Persons in the Audience:

Claims & Accounts: Warrant #1499 \$3,004,994.35

Adjournment:



Janice M. Ferencz, City Clerk

City Council

Work Study Session

June 5, 2024

An Informal Meeting of the Council of the City of Southgate was held on May 15, 2024 at 6:30 P.M. and called to order by Council President Zoey Kuspa.

Present: Priscilla Ayres-Reiss, Edward Gawlik, Jr., Karen George, Christian Graziani, Greg Kowalsky, Zoey Kuspa, Phil Rauch

Absent :

Also Present: Mayor Joseph G. Kuspa, City Attorney Ed Zelenak, City Administrator Dan Marsh, Assistant City Administrator/Finance Director Doug Drysdale, City Clerk Janice Ferencz, City Treasurer Chris Rollet, Fire Chief Justin Graves, City Engineer John Hennessey, Public Safety Director Joseph Marsh, DPS Director Kevin Anderson, Recreation Director Julie Goddard & Building Inspections Director Tim Leach

Discussed the following agenda items:

- Scheduled Person in the Audience, Tina Julian
- Recommendation to Approve 3-year Natural Gas Purchase Extension
- Shower Enhancements to the Police Department Women's Locker Room
- Library Design and Consulting Agreement
- Police Time Management Platform Subscription Renewal
- Purchase of Shredder (Waiver of Bid)
- Appointment to Water Board
- 2nd Reading of Proposed Amendment to City Code Chapter 1423

This meeting ended at 6:45 p.m.

City of Southgate

Regular City Council Meeting

June 5, 2024

A Regular Meeting of the Council of the City of Southgate was held on Wednesday, June 5, 2024 in the Southgate City Hall Council Chambers and was called to order at 7:00 PM by Council President Zoey Kuspa.

This meeting began with the Pledge of Allegiance.

Present: Priscilla Ayres-Reiss, Edward Gawlik Jr., Karen George, Christian Graziani, Greg Kowalsky, Zoey Kuspa, Phil Rauch

Absent:

Also Present: Mayor Joseph G. Kuspa, City Attorney Ed Zelenak, City Administrator Dan Marsh, Assistant City Administrator/Finance Director Doug Drysdale, City Clerk Janice Ferencz, City Treasurer Chris Rollet, Fire Chief Justin Graves, City Engineer John Hennessey, Public Safety Director Marsh, DPS Director Kevin Anderson, Recreation Director Julie Goddard & Building Inspections Director Tim Leach

Minutes:

Moved by George, supported by Ayres-Reiss, RESOLVED, that the minutes of the City Council Work Study Session dated May 15, 2024 be approved as presented. Carried unanimously.

Moved by Rauch, supported by Kowalsky, RESOLVED, that the minutes of the Regular City Council Meeting dated May 15, 2024 be approved as presented. Carried unanimously.

Moved by George, supported by Gawlik, RESOLVED, that the minutes of the Public Hearing Meeting dated May 15, 2024 be approved as presented. Carried unanimously.

Scheduled Persons in the Audience:

1. Tina Julian, 13684 Windemere, stated her concerns of how sidewalk repairs are decided.

Communications "A":

1. Memo from ACA/Finance Dir.; Re: Recommendation to approve 3-year Natural Gas Purchase Extension, moved by Gawlik, supported by Rauch, RESOLVED THAT the Southgate City Council approve a three-year contract extension with Constellation Energy for the purchase and delivery of natural gas, effective July 1, 2025 through June 30, 2028, at a rate not-to-exceed \$3.99 per MMBTU. Motion carried unanimously.
2. Letter from Mayor; Re: Shower Enhancements to the Police Department Women's Locker Room, moved by Ayres-Reiss, supported by Kowalsky, RESOLVED THAT the Southgate City Council approve proposal from CS Construction Management (Wyandotte MI) for shower enhancements to the police department women's locker room, in the not-to-exceed amount of \$21,000.00. Motion carried unanimously.
3. Letter from Mayor; Re: Library Design and Consulting Agreement, moved by Ayres-Reiss, supported by George, RESOLVED THAT the Southgate City Council approve library design consulting and planning agreement with Library Design Associates, Inc. for an amount not-to-exceed \$7,000.00. Motion carried unanimously.
4. Letter from Mayor; Re: Police Time Management Platform Subscription Renewal, moved by Kowalsky, supported by George, RESOLVED THAT the Southgate City Council approve renewal of time

Regular City Council Meeting June 5, 2024

management platform subscription for a term of one year, from July 6, 2024 to July 5, 2025 to PowerDMS (El Segundo CA) in the amount of \$3,550.58. Motion carried unanimously.

5. Letter from Mayor; Re: Purchase of Shredder (Waiver of Bid) moved by Graziani, supported by Rauch, RESOLVED THAT the Southgate City Council waive the bid process and approve purchase of MBM DestroyIt 4005 Cross Cut Paper Shredder from Whitaker Brothers (Rockville MD) in the total amount of \$5,968.97, under the GSA contract terms. Motion carried unanimously.

Communications “B”- (Receive and File):

1. Letter from Mayor; Re: Appointment to Water Board moved by Rauch, supported by George, RESOLVED THAT the Southgate City Council receive and file the letter from the Mayor; Re: Appointment to Water Board. Motion carried unanimously.

Ordinances:

1. Memo from Administrator; Re: 2nd Reading of Proposed Amendment to City Code Chapter 1423 Moved by Ayres-Reiss, supported by George, RESOLVED THAT the Southgate City Council hereby approves to amend City Code Chapter 1423 to include the proposed language with an effective date of no later than September 30th, 2024. This ordinance will be otherwise known as Ordinance no. 1042. Motion carried unanimously.

Claims and Accounts:

Moved by Rauch, supported by Ayres-Reiss, RESOLVED, that Claims and Accounts be paid as outlined on Warrant #1498 for \$2,618,233.87. Motion carried unanimously.

Adjournment:

Moved by George, supported by Gawlik, RESOLVED THAT this Regular Meeting of the Southgate City Council be adjourned at 7:20 P.M. Carried unanimously.

Zoey Kuspa
Council President

Janice M. Ferencz
City Clerk

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



City of Southgate

- CITY COUNCIL -

ZOEY KUSPA
Council President

CHRISTIAN GRAZIANI

KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

June 13, 2024

To the Honorable
City Council
Southgate, Michigan 48195

Re: Approve Refurbishment of Flatbed Pickup **(Waiver of Bid)**

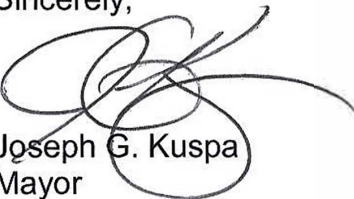
Ladies and Gentlemen:

It is recommended by the DPS Director and I concur with his recommendation to approve the quotation from Truck & Trailer Specialties, Inc., Howell, Michigan for the refurbishment of an existing flatbed pickup truck in the amount of \$3,677.00. Truck and Trailer Specialties has matched the State Bid pricing for parts and the DPS mechanics will install the equipment, saving approximately \$1,933.00 costs that would have been paid to the vendor.

Sufficient funds are available in the DPS and Water/Sewer fund budgets to cover costs.

Your favorable consideration of this matter is requested.

Sincerely,



Joseph G. Kuspa
Mayor

JGK/law

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



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GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

MEMORANDUM

TO: Honorable Mayor and City Council

FROM: Douglas Drysdale, Assistant City Administrator / Finance Director *DWD*

DATE: June 12, 2024

RE: Recommendation to Approve Refurbishment of Flatbed Pickup (WAIVER OF BID)

I have reviewed with the DPS Director and concur with his recommendation to waive the bid process and approve the quotation from Truck & Trailer Specialties, Inc. (Howell MI) for the refurbishment of an existing flatbed pickup truck in the amount of \$3,677.00. Truck & Trailer Specialties has agreed to match the State of Michigan bid for the parts and equipment; the DPS garage staff will install the equipment, saving approximately \$1,933.00 costs that would have been paid to the vendor.

Adequate funding has been budgeted in the DPS and Water/Sewer Fund budgets for this expenditure.

Proposed Motion

Waive bid process and approve quotation from Truck & Trailer Specialties, Inc. for the refurbishment of an existing flatbed pickup truck in the amount of \$3,677.00, utilizing the State of Michigan bid for the parts and equipment prices.



City of Southgate

DEPARTMENT OF PUBLIC SERVICES

14719 Schafer Court • Southgate, Michigan 48195
Ph: (734) 258-3079 • Fax: (734) 246-1333

Memorandum

To: The Honorable Mayor and Members of City Council

From: Kevin Anderson, DPS Director

Date: June 5, 2024

Re: Request for Waiver of Bid – Flatbed Pickup Refurbish

The Department of Public Services is need of refurbishing an existing flatbed pick-up truck, currently in our fleet. Adequate funding has be set aside by the Finance Director for this purpose.

Truck & Trailer Specialties, Inc. has agreed to match the State of Michigan bid for the parts & equipment. The following price includes standard manufacture equipment, options requested by the State contract (#RFP-RH-20-023), and options requested by the City. The cost for all parts & equipment is \$3,677.00. Our garage will install all of the parts & equipment, saving the city \$1,933.00.

I recommend the purchase of the parts & equipment to refurbish an existing flatbed pickup in the amount of \$3,677.00. I respectfully request this item be placed on the City Council's agenda for purposes of a waiver of bid request and purchase approval.

If you have any questions, please contact me. I would appreciate your favorable consideration of this request.

Enclosure

KA/sb

TRUCK & TRAILER *Specialties, Inc.*

900 Grand Oaks Drive | Howell, MI 48843 | www.ttspec.com | ph: (517) 552-3855 | fx: (517) 552-3666

May 31, 2024

HQ0004277

City of Southgate

Attn: John Iannucci, ph: (734) 216-5639

Equipment Quotation

The following pricing will be based on City of Rochester Hills RFP-RH-20-023 contract awarded September 2020

Chassis information: 1996 F450, CA 84"

Supply an Un-Installed 11' 3" Standard Rugby Rancher Style flatbed including:

Rancher #2297272

Klt #2307466

Body length: 11' 3" Body Width: 96" Pickup style Cab to Axle: 84"

4" structural channel long rails spacing set at 34"

3" 10 ga. formed cross sills on 16" centers

12 ga. tread plate steel floor

12 ga. smooth steel rear apron with cut-out for LED stop, tail, turn lights

Outside stake pockets with 3/8" tie rail installed on sides and rear

Fuel in-let cut outs in rub rail (drivers' side)

Tubular bulkhead (4" x 3" x 1/8" Wall)

Viewing window in bulkhead

Bulkhead has LED stop/turn/tail lighting recessed into it

Rear bumper offers protection and safe access to floor

Recessed license plate

LED lighting standard

Powder coated 90% gloss black for a durable uniform finish

B&W Turnover Ball gooseneck hitch 30,000 rated 2 5/16 ball included

Supply 2 RV style trailer plugs for gooseneck and rear factory existing Reese trailer hitch

Includes resistors (loose) for use with wiring LED taillights so turn signals

do not flash rapidly when in use

Supply mudflaps (loose) for behind rear tires

Above Un-Installed Price: \$3,677.00 ea.

HQ0004320

Option Above Equipment Installed Price, Add: \$1,933.00 ea.

Payment Terms: Net 30. Pricing effective for 30 days.

FOB: City of Southgate

Delivery: In stock, if installed allow 2-4 weeks for installation

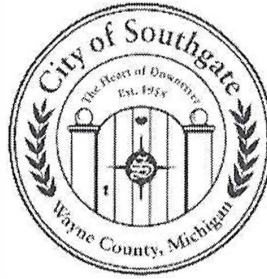
Thank you for the opportunity to quote.

Respectfully submitted by,
Jon Luea/Brian Bouwman

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



- CITY COUNCIL -

ZOEY KUSPA
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GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

Memorandum

To: Honorable City Council Members

From: Dan Marsh, City Administrator 

Date: June 12, 2024

Re: Waste Collection Contract Assignment to Priority Waste

GFL Environmental USA has agreed to sell its Southeast Michigan municipal contracts to Priority Waste LLC. The transfer will occur on June 30, 2024, with Priority Waste services beginning July 1, 2024. The City has an assignment clause in the GFL contract that requires City Council to approve the transfer of the agreement.

The Administration has met with representatives of Priority Waste regarding the transfer. Priority will assume the entire contract and the current rates with no lapse in service. Therefore, the Administration recommends the approval of the agreement transfer to Priority Waste LLC for the remainder of the contract which expires March 31, 2025. Attached in your agenda packet is the consent letter required for the transfer.

If you have any questions please contact me.

Proposed Motion: To approve the transfer of the Commercial & Residential Solid Waste Collection and Disposal & Composting Program Agreement with Green for Life Environmental to Priority Waste LLC with an effective date of June 30, 2024, and approve the City Administrator to sign the consent letter for the Agreement Transfer.



June 4, 2024

Via Email

City of Southgate
14400 Dix-Toledo Highway
Southgate, MI 48195

Attention: Dan Marsh

Re: Priority Waste Purchase of Southeast Michigan Residential Business from GFL

Dear Valued Customer:

We are writing to you in connection with your residential collection services contract with GFL Environmental USA Inc. ("GFL") (the "Agreement").

We are excited to announce that GFL has agreed to sell the assets used in its Southeast Michigan residential solid waste collection business to Priority Waste LLC ("Priority") (such sale, the "Transaction").

In connection with and conditioned upon closing of the Transaction, it is contemplated that Priority will acquire the Agreement by way of an assignment of the Agreement by GFL to Priority, effective at the closing of the Transaction (the "Agreement Transfer"). We anticipate that the closing of the Transaction and the Agreement Transfer will occur on June 30, 2024, assuming all conditions to closing are satisfied or waived.

We are certain that Priority will continue to meet the high service standards you have come to expect from dealing with GFL and we and Priority are coordinating the transition of the business to ensure there is no disruption in service. GFL will continue to perform its obligations under the Agreement until the closing of the Transaction. Please continue to remit payment to GFL until you are instructed otherwise.

We would ask that you please return a countersigned copy of this letter by email at your earliest convenience. By signing this letter, you consent to the Agreement Transfer, waive any notice period or any other requirement in the Agreement with respect to the Agreement Transfer and agree that, notwithstanding the closing of the Transaction, the Agreement will survive and continue in full force and effect without any further action by you or GFL. Your consent will be effective as of the date of closing of the Transaction.

Please reach out to one of us personally with any questions you may have. On behalf of all of us at GFL, thank you for your business.

Very truly yours,

A handwritten signature in blue ink, appearing to be "Rick Vannan", written over a horizontal line.

Rick Vannan ((947) 241-4395 or rvannan@gflenv.com)

Don Barretta ((586) 933-3812 or dbarretta@gflenv.com)

✓ Sam Caramagno ((734) 812-5732) or scaramagno@gflenv.com)

City of Southgate

By: _____

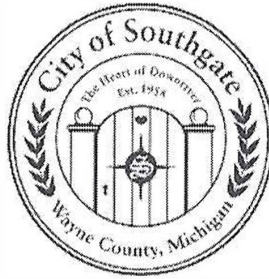
Name: _____

Title: _____

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



- CITY COUNCIL -

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GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

Memorandum

To: Honorable City Council Members

From: Dan Marsh, City Administrator *DM*

Date: June 11, 2024

Re: Planned Development Phase 1 Site Plan Approval for 15601 Northline (Aquinas)

The City Planning Commission conditionally approved the attached Phase 1 Site Plan for the Planned Development at 15601 Northline (Aquinas) at the June Planning Commission meeting. Per City Code 1288.04, site plans for Planned Developments require approval of both the Planning Commission and the City Council.

The project has been divided into three phases, the first of which is for the self storage use. Included in your packets is the site plan review application, the Carlisle Wortman analysis, Hennessey Engineers review, the meeting minutes, and Planning Commission resolution.

Please contact me if you have any questions.

Proposed Motion: To approve the Phase 1 Site Plan for the Planned Development at 15601 Northline, according to the condition's recommended by the Planning Commission.

RETURN TO:
Clerk's Office
City of Southgate
14400 Dix-Toledo
Southgate, MI 48195

June 10, 2024

Form No. 01

Case No. PO 04-2024

Date Received 5.21.24

CITY OF SOUTHGATE
APPLICATION FOR PLANNING COMMISSION REVIEW

Concerning a request to be heard before the Southgate Planning Commission on the following:

TO BE COMPLETED BY THE APPLICANT:

LAMAR @ BACALL DEVELOPMENT, CON

Owner/Applicant	Agent
Name <u>(ENTITY TO BE FORMED)</u>	Name _____
Address <u>30407 W. 13 MILE RD.</u>	Address _____
<u>FARMINGTON HILLS MI 48334</u> (City) (State) (Zip)	(City) (State) (Zip)
Telephone <u>248 867-1883 cell</u> <u>248.538-7500 E.Y. 205</u>	Telephone _____

Information regarding the site:

Street Address: 156001 NORTHLINE RD.

Major Cross Streets: NORTHLINE / DEVOS

Parcel / Lot No.: 53-013-99-0001-703

Acreage: 5-5.5 AC Dimensions of Parcel / Lot: 966 x 268 Frontage: _____

Current Zoning (please circle): RE R-1 R-1A R-1B RM RO C-1 C-2 C-3 M-1 MH PD P-1

Current Use: NONE - OLD BASEBALL FIELD OF AQUINAS HS AND PART OF THE PARKING LOT.

Requested action:

☐ Rezoning

Requested District: PD

☐ Conditional Use Approval

Requested Use: PD - SELF STORAGE

☒ Site Plan Review

☐ Plat Review

☐ Other

Please Specify _____

Information regarding request:

I hereby request a hearing before this body to:

(Please supply detailed information. For example, why you are requesting the proposed action, a complete description of the project, how the request is compatible with adjacent land uses and zoning districts, how the request is in compliance with the goals, policies, and future land use plan of the City of Southgate Master Plan, any information you feel is pertinent to your application, etc. Feel free to attach additional documents to this application if it will help describe your project or if you need more room than is provided below)

BUILD A DRIVE UP SELF STORAGE FACILITY IN TWO PHASES. PHASE ONE
WILL INCLUDE 11 BUILDINGS AVERAGING 6000 SF. WITH A UNIT COUNT OF
APPROXIMATELY 491 UNITS. PHASE TWO WILL HAVE 3 ADDITIONAL BUILDINGS.
THE STORAGE FACILITY WILL BE FENCED AND INCLUDE AN APPROXIMATE 1500 SF
LEASING OFFICE. WE PLANE TO HAVE ONE INGRESS AND EGRESS WITH A PROPOSED
CUEB CUT TO THE SOUTH FOR FIRE DEPARTMENT ACCESS. THIS SITE PLAN IS
THE FIRST PHASE OF A PD DEVELOPMENT APPROVED BY THE CITY IN MARCH
OF 2024. AFTER MULTIPLE FEASIBILITY STUDIES, IT WAS DETERMINED THE
A SINGLE STORY DRIVE UP SELF-STORAGE FACILITY WAS AND DOES BEST SERVE THE
SOUTHGATE COMMUNITY AT LARGE AND SERVICES THE STORAGE DIFFICENCY IN SOUTHGATE.
A SKETCH CLEARLY DEPICTING THE REQUEST MUST BE ATTACHED TO THIS APPLICATION FOR IT
TO BE VALID. FOR SITE PLAN REVIEW, A SITE PLAN MEETING THE REQUIREMENTS OF SECTION
1298.07 MUST BE ATTACHED.

The Applicant / Agent must appear before the Planning Commission on JUNE 10TH 2024
(Date)

THE OWNER OF THE PROPERTY DESCRIBED ON THIS APPLICATION AND THAT ALL STATEMENTS
HEREIN AND IN THE DOCUMENTS SUBMITTED ARE TRUE.

Signature -- Owner / Agent:

Jacob J. Baccall

Date: 5/20/2024

To review your application properly, Planning Commission members may need access to the property in
question. Please initial if permission is given for property access. INITIALS JP

Fees must be paid at the same time this application is submitted to the City.

OFFICE USE:

Date Received: _____

Received By: _____

(Staff's Name)

Fee Charged: _____

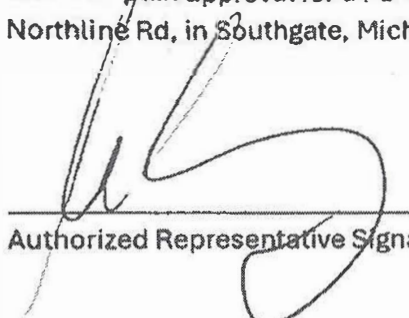
Check No.: _____

Receipt No.: _____

Authorization Letter

RE: Aquinas Center Project (38.14 acres 15601 Northline Rd. Southgate, Michigan)

This letter will serve as acknowledgement and permission for Shimsha LLC, to proceed with site plan approval for a PD-Planned Development for a mixed-use project on 15601 Northline Rd, in Southgate, Michigan.



Authorized Representative Signature

5/23/24

Date

Michael E. McInerney, Director of

Print Name

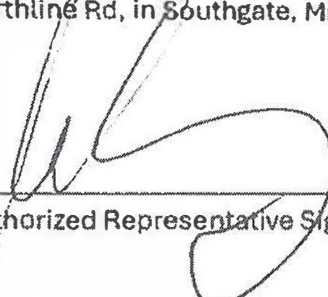
On Behalf of Archdiocese or Detroit.

Properties

Authorization Letter

RE: Aquinas Center Project (38.14 acres 15601 Northline Rd. Southgate, Michigan)

This letter will serve as acknowledgement and permission for Shimsha LLC, to proceed with site plan approval for a PD-Planned Development for a mixed-use project on 15601 Northline Rd, in Southgate, Michigan.


Authorized Representative Signature

5/23/24
Date

Michael E. McInerney, Director of
Print Name

On Behalf of Archdiocese or Detroit.

Properties



30407 West Thirteen Mile Road
Farmington Hills, Michigan 48334
248.538.7500 (O) 248.538.7800 (F)
www.bacalldevelopment.com

PHASING TIMELINE ESTIMATES

15601 Northline Rd. Southgate, Michigan
(Formally Aquinas Catholic Highschool)

PHASE ONE – PART ONE

Self-Storage

Construction Document Approval – Summer/Fall 2024
Begin Grading and Civil – Fall 2024 or Spring 2025.
Begin Flatwork and Underground – Spring/Summer of 2025.
Vertical Construction – Summer/Fall of 2025.
Completion – Fall of 2025 or Spring of 2026.
Part two of the last three buildings of self-storage begins in summer of 2026.

PHASE TWO

Multi Family

Site Plan Submittal will begin Summer of 2024.
Begin Process of Brownsfield with consultant as soon as city approves site plan.
Begin Abatement and Demolition of Aquinas building as soon as city approves Brownsfield.
Construction Document approval Spring/Summer of 2025.
Begin foundation/earthwork/site utilities for the first apartment building late estimated Fall of 2025.
Vertical Construction 9 months estimated for every building and 120-180-days for every building thereafter.
Completion of first building Summer of 2026.

PHASE THREE

Retail

TBD. Will begin marketing immediately after closing on the property Summer of 2024

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 medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium 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 hole 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. Available in seven lumen packages; 5000K, 4000K and 3000K 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. 12W, 18W, 26W and 38W series operate in -40°C to 40°C (-40°F to 104°F). High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized

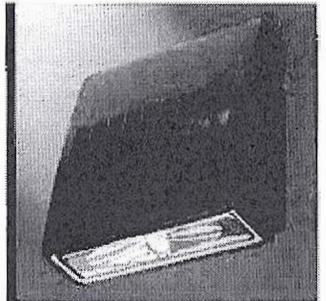
electrical wiring compartment. Integral LED electronic driver is standard 0-10V dimming. 120-277V 50/60Hz or 347V 60Hz models.

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. Options to meet Buy American and other domestic preference requirements.

Warranty

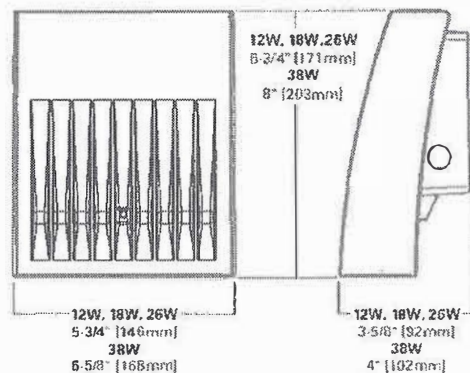
Five-year warranty.



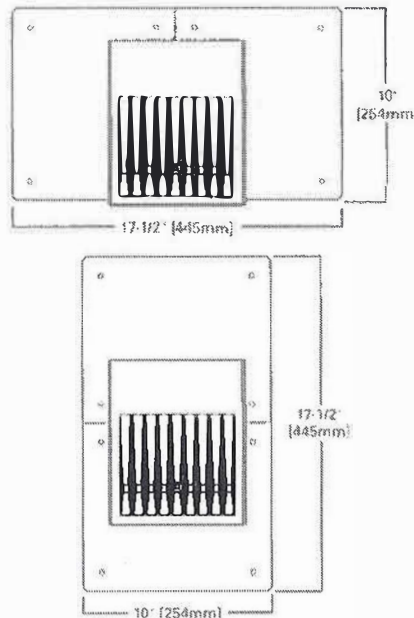
XTOR CROSSTOUR LED

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

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA

Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
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.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:

Approximate Net Weight:
3.7 - 5.2 lbs. (1.7 - 2.4 kgs.)

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series 1	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately) 2
XTOR1B=Small Door, 12W XTOR2B=Small Door, 18W XTOR3B=Small Door, 26W XTOR4B=Medium Door, 38W BAA-XTOR1B=Small Door, 12W, Buy American Act Compliant 3 TAA-XTOR1B=Small Door, 12W Trade Agreements Act Compliant 3 BAA-XTOR2B=Small Door, 18W, Buy American Act Compliant 3 TAA-XTOR2B=Small Door, 18W, Trade Agreements Act Compliant 3 BAA-XTOR3B=Small Door, 26W, Buy American Act Compliant 3 TAA-XTOR3B=Small Door, 26W, Trade Agreements Act Compliant 3 BAA-XTOR4B=Medium Door, 38W, Buy American Act Compliant 3 TAA-XTOR4B=Medium Door, 38W, Trade Agreements Act Compliant 3	(Blank)=Bright White (Standard), 5000K W=Neutral White, 4000K Y=Warm White, 3000K	(Blank)=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic DP=Dark Platinum	PC1=Photocontrol 120V 4 PC2=Photocontrol 208-277V 2,3 347V=347V 4 HA=50°C High Ambient 4	WG/XTOR=Wire Guard 5 XTORFLD-KNC=Knuckle Floodlight Kit 6 XTORFLD-TRN=Trunnion Floodlight Kit 6 XTORFLD-KNC-WT=Knuckle Floodlight Kit, Summit White 6 XTORFLD-TRN-WT=Trunnion Floodlight Kit, Summit White 6 EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White

NOTES:

- DesignLights Consortium (dLC) Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Photocontrols are factory installed.
- Order PC2 for 347V models.
- Three-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
- Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
- Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.
- 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 DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

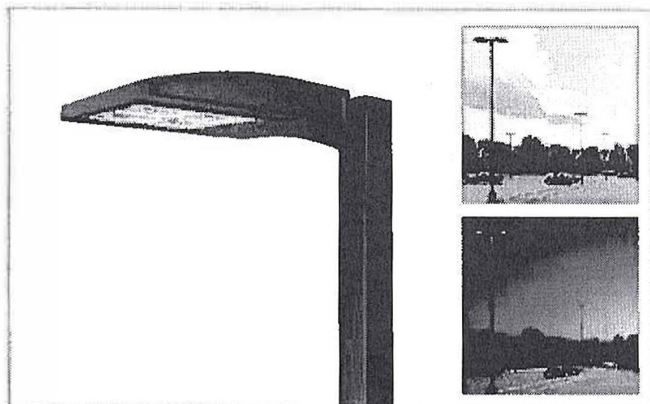
STOCK ORDERING INFORMATION

Domestic Preferences 1	12W Series	18W Series	26W Series	38W Series
(Blank)=Standard	XTOR1B-12W, 5000K, Carbon Bronze	XTOR2B-18W, 5000K, Carbon Bronze	XTOR3B-26W, 5000K, Carbon Bronze	XTOR4B-38W, 5000K, Carbon Bronze
BAA=Buy American Act	XTOR1B-WT=12W, 5000K, Summit White	XTOR2B-W=18W, 4000K, Carbon Bronze	XTOR3B-W=26W, 4000K, Carbon Bronze	XTOR4B-W=38W, 4000K, Carbon Bronze
TAA=Trade Agreements Act	XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	XTOR2B-WT=18W, 5000K, Summit White	XTOR3B-WT=26W, 5000K, Summit White	XTOR4B-WT=38W, 5000K, Summit White
	XTOR1B-W=12W, 4000K, Carbon Bronze	XTOR2B-PC1=18W, 5000K, 120V PC, Carbon Bronze	XTOR3B-PC1=26W, 5000K, 120V PC, Carbon Bronze	XTOR4B-PC1=38W, 5000K, 120V PC, Carbon Bronze
		XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze	XTOR3B-W-PC1=26W, 4000K, 120V PC, Carbon Bronze	XTOR4B-W-PC1=38W, 4000K, 120V PC, Carbon Bronze
		XTOR2B-347V=18W, 5000K, Carbon Bronze, 347V	XTOR3B-347V=26W, 5000K, Carbon Bronze, 347V	XTOR4B-347V=38W, 5000K, Carbon Bronze, 347V
		XTOR2B-WT-PC1=18W, 5000K, 120V PC, Summit White	XTOR3B-PC2=26W, 5000K, 208-277V PC, Carbon Bronze	

NOTES:

- 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 DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Project		Catalog #		Type	I.2
Prepared by		Notes		Date	



McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Typical Applications

Outdoor • Parking Lots • Walkways • Roadways • Building Areas

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 10

Product Certifications



Resources



Quick Facts

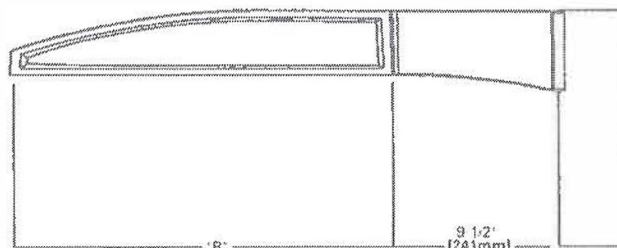
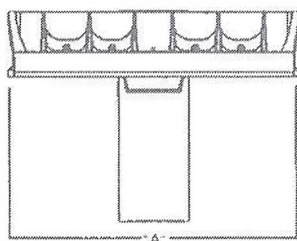
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Arm



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard OM Arm	EPA with Standard or OM 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

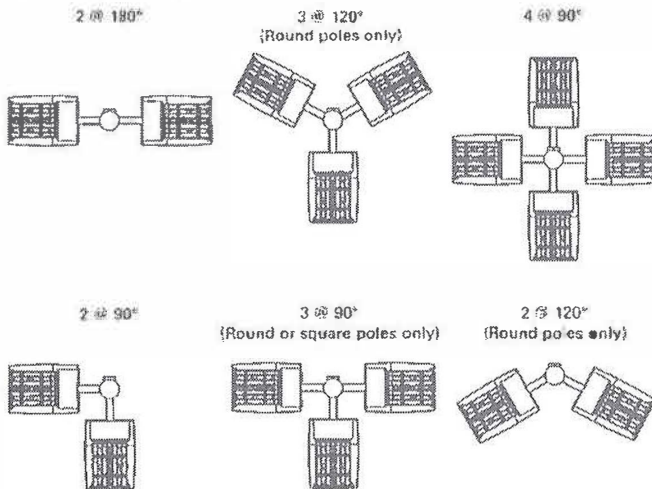
Ordering Information

SAMPLE NUMBER: GALN-SA4C-74D-U-T4FT-GM

Product Family ^{1,2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GALN-Galleon ³	SA1=1 Square	A=600mA	722-70CRI, 2200K	0-120/277V	T2-Type II	Blank-Standard Pole Mount Arm	AP=Grey
	SA2=2 Squares	B=800mA	727-70CRI, 2700K	H=347V-480V ¹⁴	T2R-Type II Roadway	QA-Standard Pole Mount Arm with Quick Mount Adapter	BZ=Bronze
	SA3=3 Squares	C=1000mA	730-70CRI, 3000K	1=120V	T3-Type III	PA-Pole Mount, Adjustable	BN=Black
	SA4=4 Squares	D=1200mA ^{14,15}	735-70CRI, 3500K	2=208V	T3R-Type III Roadway	SP-Slipfitter, Adjustable ¹⁶	OP=Oak, Platinum
	SA5=5 Squares		740-70CRI, 4000K	3=240V	T4FT-Type IV Forward Throw	MA=Mini Arm, Fixed	GM=Graphite Metallic
	SA6=6 Squares		750-70CRI, 5000K	4=277V	T4W-Type IV Wide	WA=Wall Mount, Fixed	WH=White
	SA7=7 Squares		750-70CRI, 6000K	8=480V ¹⁴	SWQ-Type V Square Medium	WA=Wall Mount, Adjustable	
	SA8=8 Squares		827-80CRI, 2700K	9=347V ¹⁴	SWQ-Type V Square Wide	UP-Upswept Arm	
	SA9=9 Squares		830-80CRI, 3000K		SL2-Type II w/Spill Control		
			830-80CRI, 3000K		SL3-Type III w/Spill Control		
		830-80CRI, 3000K		SL4-Type IV w/Spill Control			
				SL5=90° Spill Light Eliminator Left			
				SLR=90° Spill Light Eliminator Right			
				LR=Rectangular Wide Type I			
				AFI=Automotive Frontline			
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately)	
DIM=External 0-10V Dimming Leads ¹⁸ F=Single Fuse (120, 277 or 347V Specify Voltage) FF=Double Fuse (208, 240 or 480V Specify Voltage) 20K=20kV UL 1449 fused surge protective device ¹⁹ 2L=Two Circuits ¹⁸ HA=5° High Ambient HSS=Installed House Side Shield ¹⁸ GRSBL=Glare Reducing Shield, Black ¹⁸ GRSWH=Glare Reducing Shield, White ¹⁸ LCF=Light Square Trim Painted to Match Housing ¹⁸ TH=Tool-less Door Hardware ¹⁸ CC=Coastal Construction finish ¹⁸ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right AH114S=After Hours Dim, 5 Hours ¹⁸ AHD24S=After Hours Dim, 6 Hours ¹⁸ AH125S=After Hours Dim, 7 Hours ¹⁸ AHD35S=After Hours Dim, 8 Hours ¹⁸ DALI=DALI Drivers			BPC=Button Type Photocontrol ¹⁸ PR=NEMA 3 PIN Photocontrol Receptacle PR7=NEMA 7-PIN Photocontrol Receptacle ¹⁸ SPB2=Dimming Motion Sensor, 9'-20' mounting ¹⁸ SPB4=Dimming Motion Sensor, 21'-48' mounting ¹⁸ SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting ¹⁸ SPB4/X=Dimming Motion Sensor, limited square count, 21'-48' mounting ¹⁸ ZW=WaveLinx Module and 4-PIN Receptacle ¹⁸ ZO=WaveLinx Module with DALI driver and 4 PIN Receptacle ¹⁸ ZW-SWP B4XX=WaveLinx Sensor Only, 7'-15ft ^{18,19,21,22} ZW-SWP D4XX=WaveLinx Sensor Only, 15'-40ft ^{18,19,21,22} ZW-SWP D8XX=WaveLinx Sensor with Bluetooth, 7'-15ft ^{18,19,21,22} ZW-SWP D16XX=WaveLinx Sensor with Bluetooth, 15'-40ft ^{18,19,21,22} ZW-SWP D32XX=WaveLinx Sensor Only, 15'-40ft ^{18,19,21,22} ZW-SWP D64XX=WaveLinx Sensor Only, 7'-15ft ^{18,19,21,22} ZW-SWP D128XX=WaveLinx Sensor Only, 15'-40ft ^{18,19,21,22} ZW-SWP D256XX=WaveLinx Sensor with Bluetooth, 7'-15ft ^{18,19,21,22} ZW-SWP D512XX=WaveLinx Sensor with Bluetooth, 15'-40ft ^{18,19,21,22} D1M10-MS/D1M-L20-Synapse Occupancy Sensor (9'-20' Mounting) ¹⁸ D1M10-MS/D1M-L40-Synapse Occupancy Sensor (21'-48' Mounting) ¹⁸			QA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V QA/RA1027=NEMA Photocontrol 480V QA/RA1201=NEMA Photocontrol 347V QA/RA1013=Photocontrol Shorting Cap QA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tension Adapter for 2-3/8" O.D. Tension MA1037-XX=2@180° Tension Adapter for 2-3/8" O.D. Tension MA1197-XX=3@120° Tension Adapter for 2-3/8" O.D. Tension MA1168-XX=4@90° Tension Adapter for 2-3/8" O.D. Tension MA1189-XX=2@90° Tension Adapter for 2-3/8" O.D. Tension MA1190-XX=3@90° Tension Adapter for 2-3/8" O.D. Tension MA1191-XX=2@120° Tension Adapter for 2-3/8" O.D. Tension MA1036-XX=Single Tension Adapter for 3-1/2" O.D. Tension MA1039-XX=2@180° Tension Adapter for 3-1/2" O.D. Tension MA1192-XX=3@120° Tension Adapter for 3-1/2" O.D. Tension MA1193-XX=4@90° Tension Adapter for 3-1/2" O.D. Tension MA1194-XX=2@90° Tension Adapter for 3-1/2" O.D. Tension MA1195-XX=3@90° Tension Adapter for 3-1/2" O.D. Tension SRA238=Adapter kit for mounting to 2-3/8" O.D. Tension L1/HSS=Field Installed House Side Shield ¹⁸ L5/GRSBL=Glare Reducing Shield, Black ¹⁸ L5/GRSWH=Glare Reducing Shield, White ¹⁸ L5/SPF6=Perimeter Shield, Black ¹⁸ WOLC-7P-10A=WaveLinx Outdoor Control Module ^{18,19} WDA-XX=WaveLinx Wireless Sensor, 7'-15' Mounting Height ^{18,19,21,22} WDE-XX=WaveLinx Wireless Sensor, 15'-40' Mounting Height ^{18,19,21,22}	
NOTES: 1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our website at www.spl.com for additional support information. 2 Designlights Consortium is Qualified. Refer to www.designlights.org Qual-List Products List under Family Models for details. 3 Coastal construction finish shall be tested to over 5000 hours per ASTM D117 with a scrubbing of 9 per ASTM D1654. 4 Not available with TH option. 5 Tension Mount 30' rated. Not available with Coastal Construction (CC) option. 6 Not available with voltage options L1, L4 or 9. 7 Requires the use of an integral step down transformer when combined with sensor options. Not available with sensor at 120V. 8 Not available in combination with the HA high ambient and sensor options at 1A. 9 Adjustable slipfitter arm limited to vertical 3' tension. For mounting to 2-3/8" O.D. tensions, order accessory SRA238. 10 One required for each Light Square. 11 2L is not available with SPB or 347V or 480V. Not available with WaveLinx or Bluetooth sensor, or 20kV surge option. 12 Requires PR7. 13 Replace XX with sensor color (WH, BZ or BK). 14 WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injected) power supply if needed. WAC not required for BL Bluetooth sensors. 15 Requires T2 or T3 Receptacle. 16 Not for use with SWQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 17 Select 4 pins. One set required per Light Square. 18 Not available with HA option. 19 Not for use with SWQ, SL2, SL3 and SL4 options. A black trim plate is used when HSS is selected. 20 Cannot be used with other control options. 21 Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options. 22 Not available with SPB, WOL or WaveLinx sensor is selected. Motion sensor has an integral photoeye. 23 Requires the use of BPC photocontrol to the PR7 or PR16plus control receptacle with photocontrol accessory. 24 Not for use with TH, T4H or SL4 optics. See L5 files for details. 25 Sensor configuration and cable application required for configuration. See controls page for details. 26 Replace XX with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 27 Not available with HSS, GRSWH or GRSBK.							

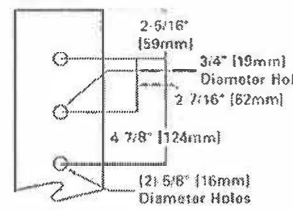
Mounting Details

Pole Configuration Options

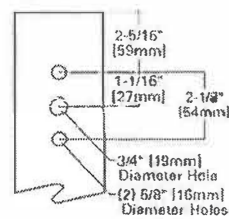


Pole Drilling Patterns

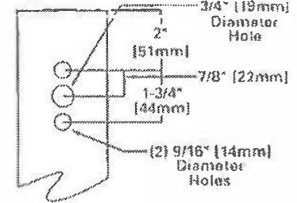
Type "M"



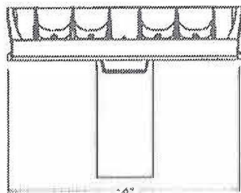
Type "R"



Type "N"

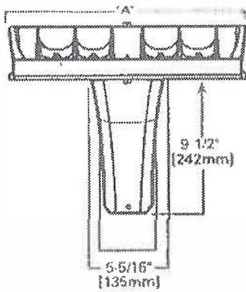


Quick Mount Arm (QM) *



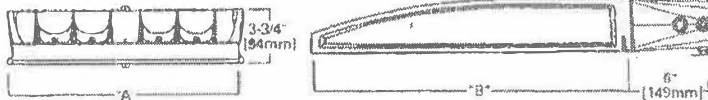
*NOTE: Use Type N drilling pattern

Upswept Arm (UP) *

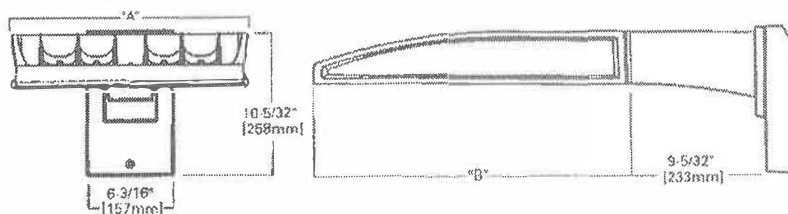


*NOTE: Use Type N, R or M drilling pattern

Mast Arm, Fixed (MA)

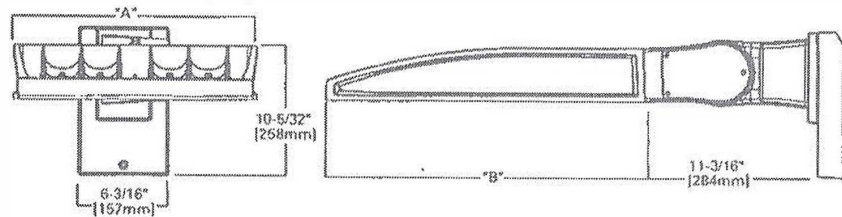


Wall Mount, Fixed (WM)



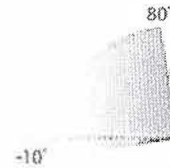
Mounting Details

Wall Mount, Adjustable (WA)

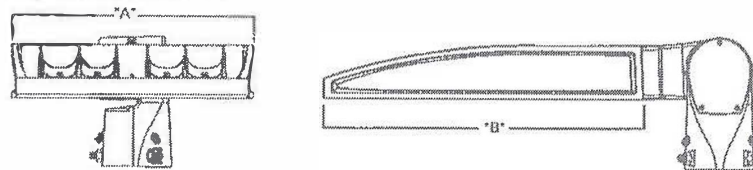


Adjustable Arm Range of Motion

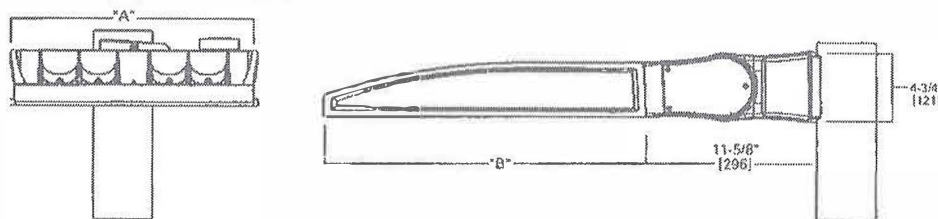
- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



Slipfitter, Adjustable (SP)



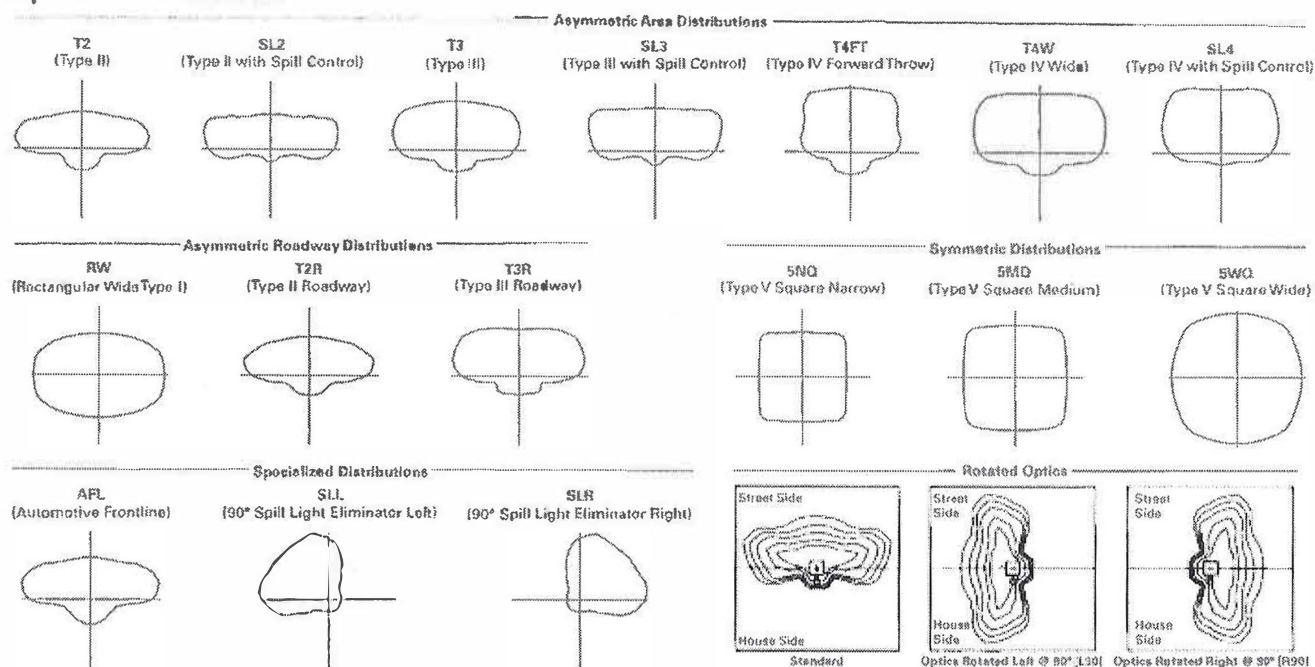
Pole Mount, Adjustable Arm (PA)



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
- 16 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA certified (3000K CCT and warmer only, arms at 0° tilt)

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

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

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%	96.6%	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

* Supplied by IES TM-21 standards

** Theoretical values represent estimates as currently used; however, refer to the IES website for IES Product Lifetime Prediction (IES PS 10-18), explaining proper use of IES TM 21 and LM 80

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

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	1.076	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										
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-G3	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-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
	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
SHQ	4000K Lumens	4,829	9,590	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
SM	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
SWQ	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	4,573	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,854
	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
Options										
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	130	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-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	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	16,834	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	33,020	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	136	137	136	136	138	139
SNQ	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
SMQ	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,183
	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
SWQ	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
SLI/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	1.848	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										
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	131	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	21,012	27,980	34,914	41,342	48,568	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	36,329	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	21,041	27,751	35,130	41,598	48,860	56,646	63,694
	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	21,083	27,837	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	4000K Lumens	7,101	14,112	21,049	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	56,249	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
5N9	4000K Lumens	7,474	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	139	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
SLR/ SLR	4000K Lumens	6,132	12,187	18,091	23,973	30,340	35,936	42,210	48,936	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	50,822	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	14,275	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	2.032	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									
T2	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,024
	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
	Lumens per Watt	121	125	126	126	126	125	125	128
T2R	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,069
	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
	Lumens per Watt	123	127	128	123	128	127	127	129
T3	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947
	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
	Lumens per Watt	119	123	124	124	124	124	123	126
T3R	4000K Lumens	8,610	15,920	23,632	31,317	39,645	46,944	55,139	63,925
	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
	Lumens per Watt	123	127	128	128	128	128	127	130
T4FY	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330
	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
	Lumens per Watt	120	124	125	125	125	124	124	127
T4W	4000K Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513
	BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,678	45,790	53,784	62,354
	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
	Lumens per Watt	120	124	125	125	125	124	124	127
SL3	4000K Lumens	7,758	15,419	22,899	30,332	38,399	45,468	53,406	61,916
	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
	Lumens per Watt	119	123	124	124	124	124	123	126
SL4	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	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
5NQ	4000K Lumens	8,169	16,235	24,181	31,938	40,431	47,874	56,232	65,193
	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
	Lumens per Watt	126	130	131	130	131	130	130	133
5MQ	4000K Lumens	8,218	16,316	24,221	32,097	40,632	48,113	56,512	65,517
	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
	Lumens per Watt	126	131	132	131	131	131	131	133
5WQ	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379
	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
	Lumens per Watt	125	130	131	131	131	130	130	133
SLU/SLN	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846
	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
	Lumens per Watt	104	107	108	108	108	107	107	110
RW	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450
	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-G5
	Lumens per Watt	124	128	129	129	129	128	128	131
AFL	4000K Lumens	7,984	15,709	23,328	30,902	39,120	46,323	54,410	63,079
	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
	Lumens per Watt	122	126	127	126	127	126	126	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)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

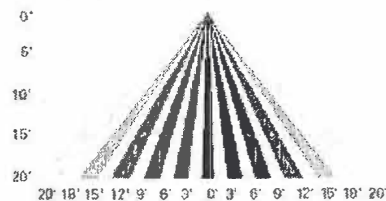
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

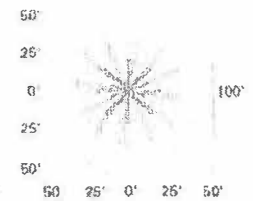
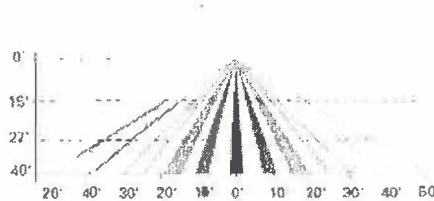
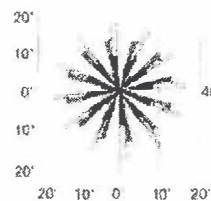
WaveLink Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLink and WaveLink Lite sensors utilize the Zhaga Book 1B compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLink sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLink sensors, power monitoring, and advanced functionality. WaveLink (SWPD4 to SWPDS) 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 WaveLink 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). WaveLink Lite (WOF and WOB) 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 WaveLink Lite mobile application for set-up and configuration. WAC not required. WaveLink 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' (SWPD4 and WOB)



For mounting heights up to 40' (SWPDS and WOF)



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 MS/DC motion sensor, requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

SITE PLAN APPROVAL

SELF STORAGE PROJECT

15601 NORTH LINE ROAD
CITY OF SOUTHGATE, WAYNE COUNTY, MICHIGAN

PERMIT / APPROVAL NUMBER		
DATE SUBMITTED	DATE APPROVED	APPROVAL NUMBER



INDEX OF DRAWINGS	
NUMBER	TITLE
C-10	COVER SHEET
C-11	TOPOGRAPHIC SURVEY
C-12	OVERALL DEVELOPMENT PLAN
C-13	PRELIMINARY SITE PLAN
C-14	PRELIMINARY GRADING PLAN
C-15	PRELIMINARY UTILITY PLAN
C-16	NOTES AND DETAILS
L-10	PRELIMINARY LANDSCAPE PLAN
L-11	LANDSCAPE DETAILS

DESIGN TEAM

OWNER/PROJECT DEVELOPER	CIVIL ENGINEER
SMALL DEVELOPMENT 15601 NORTH LINE ROAD SOUTHGATE, MI 48088 CONTACT: JAMES GILBERT PHONE: 313.480.1500 EMAIL: JGILBERT@SMALLDEV.COM	PEA GROUP 15601 NORTH LINE ROAD SOUTHGATE, MI 48088 CONTACT: JAMES GILBERT PHONE: 313.480.1500 EMAIL: JGILBERT@SMALLDEV.COM
ARCHITECT	LANDSCAPE ARCHITECT
TOU ARCHITECTS 15601 NORTH LINE ROAD SOUTHGATE, MI 48088 CONTACT: JAMES GILBERT PHONE: 313.480.1500 EMAIL: JGILBERT@SMALLDEV.COM	PEA GROUP 15601 NORTH LINE ROAD SOUTHGATE, MI 48088 CONTACT: JAMES GILBERT PHONE: 313.480.1500 EMAIL: JGILBERT@SMALLDEV.COM

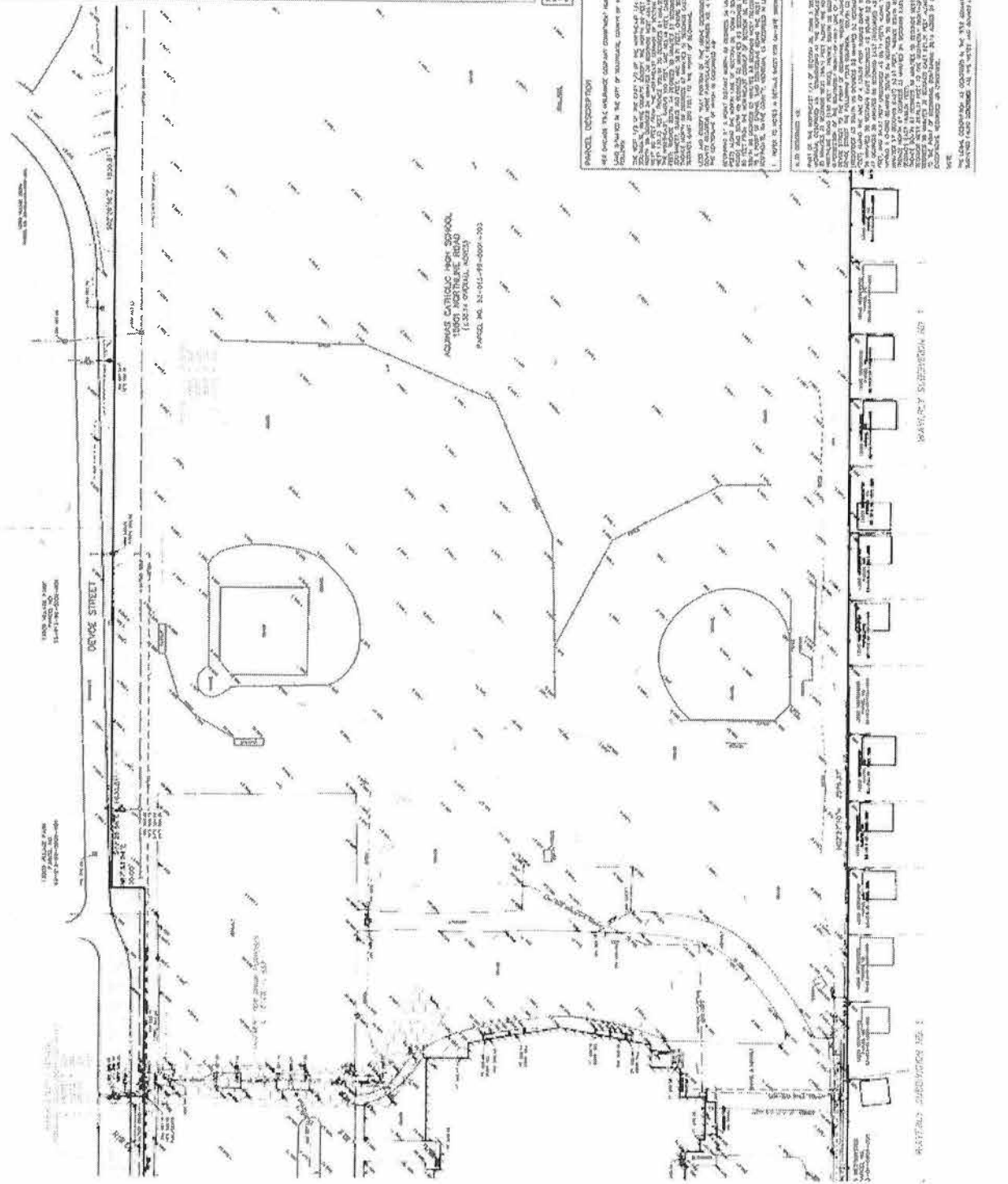
PEA
GROUP

REVISIONS	
DESCRIPTION	DATE

NOT FOR CONSTRUCTION



LEGEND	1. 1" = 100' (1" = 100')	2. 1" = 100' (1" = 100')	3. 1" = 100' (1" = 100')	4. 1" = 100' (1" = 100')	5. 1" = 100' (1" = 100')	6. 1" = 100' (1" = 100')	7. 1" = 100' (1" = 100')	8. 1" = 100' (1" = 100')	9. 1" = 100' (1" = 100')	10. 1" = 100' (1" = 100')	11. 1" = 100' (1" = 100')	12. 1" = 100' (1" = 100')	13. 1" = 100' (1" = 100')	14. 1" = 100' (1" = 100')	15. 1" = 100' (1" = 100')	16. 1" = 100' (1" = 100')	17. 1" = 100' (1" = 100')	18. 1" = 100' (1" = 100')	19. 1" = 100' (1" = 100')	20. 1" = 100' (1" = 100')	21. 1" = 100' (1" = 100')	22. 1" = 100' (1" = 100')	23. 1" = 100' (1" = 100')	24. 1" = 100' (1" = 100')	25. 1" = 100' (1" = 100')	26. 1" = 100' (1" = 100')	27. 1" = 100' (1" = 100')	28. 1" = 100' (1" = 100')	29. 1" = 100' (1" = 100')	30. 1" = 100' (1" = 100')	31. 1" = 100' (1" = 100')	32. 1" = 100' (1" = 100')	33. 1" = 100' (1" = 100')	34. 1" = 100' (1" = 100')	35. 1" = 100' (1" = 100')	36. 1" = 100' (1" = 100')	37. 1" = 100' (1" = 100')	38. 1" = 100' (1" = 100')	39. 1" = 100' (1" = 100')	40. 1" = 100' (1" = 100')	41. 1" = 100' (1" = 100')	42. 1" = 100' (1" = 100')	43. 1" = 100' (1" = 100')	44. 1" = 100' (1" = 100')	45. 1" = 100' (1" = 100')	46. 1" = 100' (1" = 100')	47. 1" = 100' (1" = 100')	48. 1" = 100' (1" = 100')	49. 1" = 100' (1" = 100')	50. 1" = 100' (1" = 100')	51. 1" = 100' (1" = 100')	52. 1" = 100' (1" = 100')	53. 1" = 100' (1" = 100')	54. 1" = 100' (1" = 100')	55. 1" = 100' (1" = 100')	56. 1" = 100' (1" = 100')	57. 1" = 100' (1" = 100')	58. 1" = 100' (1" = 100')	59. 1" = 100' (1" = 100')	60. 1" = 100' (1" = 100')	61. 1" = 100' (1" = 100')	62. 1" = 100' (1" = 100')	63. 1" = 100' (1" = 100')	64. 1" = 100' (1" = 100')	65. 1" = 100' (1" = 100')	66. 1" = 100' (1" = 100')	67. 1" = 100' (1" = 100')	68. 1" = 100' (1" = 100')	69. 1" = 100' (1" = 100')	70. 1" = 100' (1" = 100')	71. 1" = 100' (1" = 100')	72. 1" = 100' (1" = 100')	73. 1" = 100' (1" = 100')	74. 1" = 100' (1" = 100')	75. 1" = 100' (1" = 100')	76. 1" = 100' (1" = 100')	77. 1" = 100' (1" = 100')	78. 1" = 100' (1" = 100')	79. 1" = 100' (1" = 100')	80. 1" = 100' (1" = 100')	81. 1" = 100' (1" = 100')	82. 1" = 100' (1" = 100')	83. 1" = 100' (1" = 100')	84. 1" = 100' (1" = 100')	85. 1" = 100' (1" = 100')	86. 1" = 100' (1" = 100')	87. 1" = 100' (1" = 100')	88. 1" = 100' (1" = 100')	89. 1" = 100' (1" = 100')	90. 1" = 100' (1" = 100')	91. 1" = 100' (1" = 100')	92. 1" = 100' (1" = 100')	93. 1" = 100' (1" = 100')	94. 1" = 100' (1" = 100')	95. 1" = 100' (1" = 100')	96. 1" = 100' (1" = 100')	97. 1" = 100' (1" = 100')	98. 1" = 100' (1" = 100')	99. 1" = 100' (1" = 100')	100. 1" = 100' (1" = 100')
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NOT FOR CONSTRUCTION

PEA GROUP
1844 13th Ave
Boulder, CO 80502
303.440.1234

PROJECT: 1844 13th Ave, Boulder, CO 80502
SCALE: 1\"/>

PROJECT: 1844 13th Ave, Boulder, CO 80502
SCALE: 1\"/>

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SCALE: 1\"/>

PROJECT: 1844 13th Ave, Boulder, CO 80502
SCALE: 1\"/>

PROJECT: 1844 13th Ave, Boulder, CO 80502
SCALE: 1\"/>



SAFETY
 This plan is for informational purposes only and is not intended to be used for construction. It is subject to change without notice.



BACALL DEVELOPMENT
 15501 NORTHLINE ROAD
 (1538-14 NORTHLINE ADJ.)
 PARCEL: 00-01-01-01-0001 TSS

PHASE 1: SELF STORAGE PROJECT

NO.	DESCRIPTION	DATE
1	ORIGINAL	01/15/2024
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	

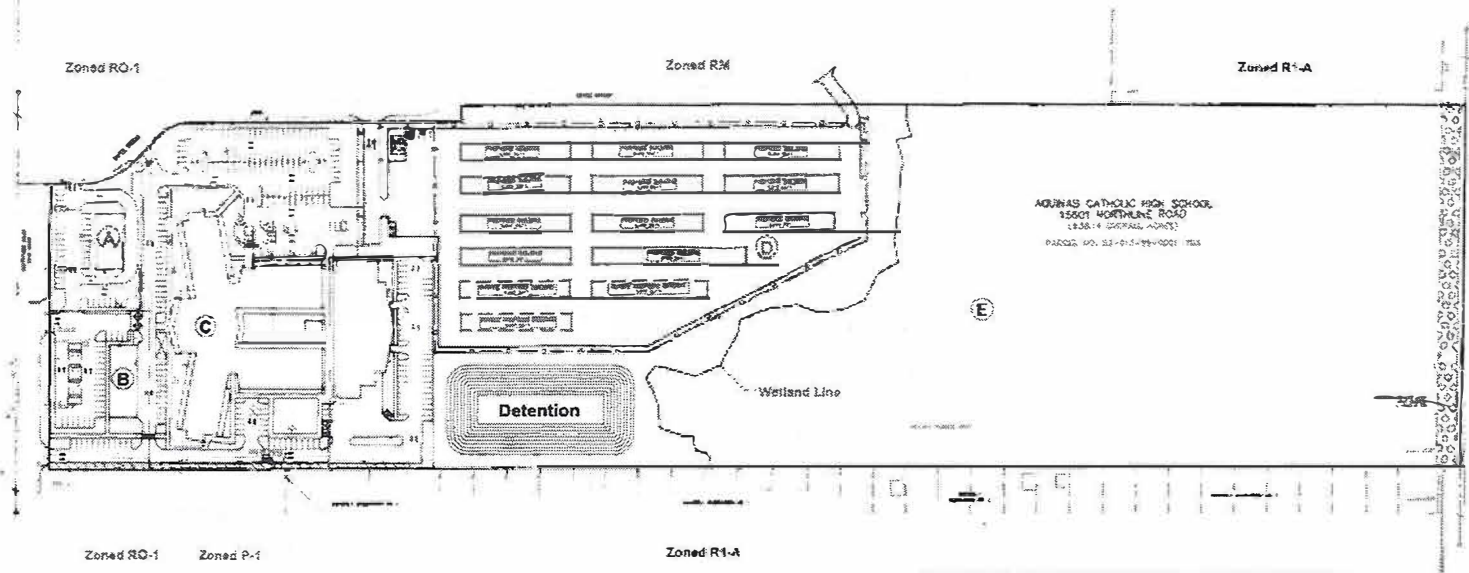
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 DATE: 01/15/2024

OVERALL DEVELOPMENT PLAN

PEA JOB NO.	2023-0738
DATE	01/15/2024
BY	JD
CHECKED	JD
DATE	01/15/2024

GRAPHIC NUMBER

Zoned RO-1 & C-2



Phase	Table of Uses	Anticipated Date
Phase III	A Retail with Drive Thru	TBD
Phase III	B Retail with Gas Station	TBD
Phase II	C Apartments	2026/2028
Phase I	D Self-Storage	2024/2025
Phase IV	E Future Development Area	TBD

NOT FOR CONSTRUCTION C-3.0

NOT FOR CONSTRUCTION

DATE	2014.09.03	SCALE	1"=40'
BY	W. J. BROWN	PROJECT	SELF STORAGE PROJECT
CHECKED	W. J. BROWN	DATE	2014.09.03
APPROVED	W. J. BROWN	DATE	2014.09.03

PRELIMINARY
GRADING PLAN

NO. OF STATIONS	1
STATIONING	0+00 TO 0+100
DATE	2014.09.03
BY	W. J. BROWN
CHECKED	W. J. BROWN
APPROVED	W. J. BROWN

SELF STORAGE
PROJECT

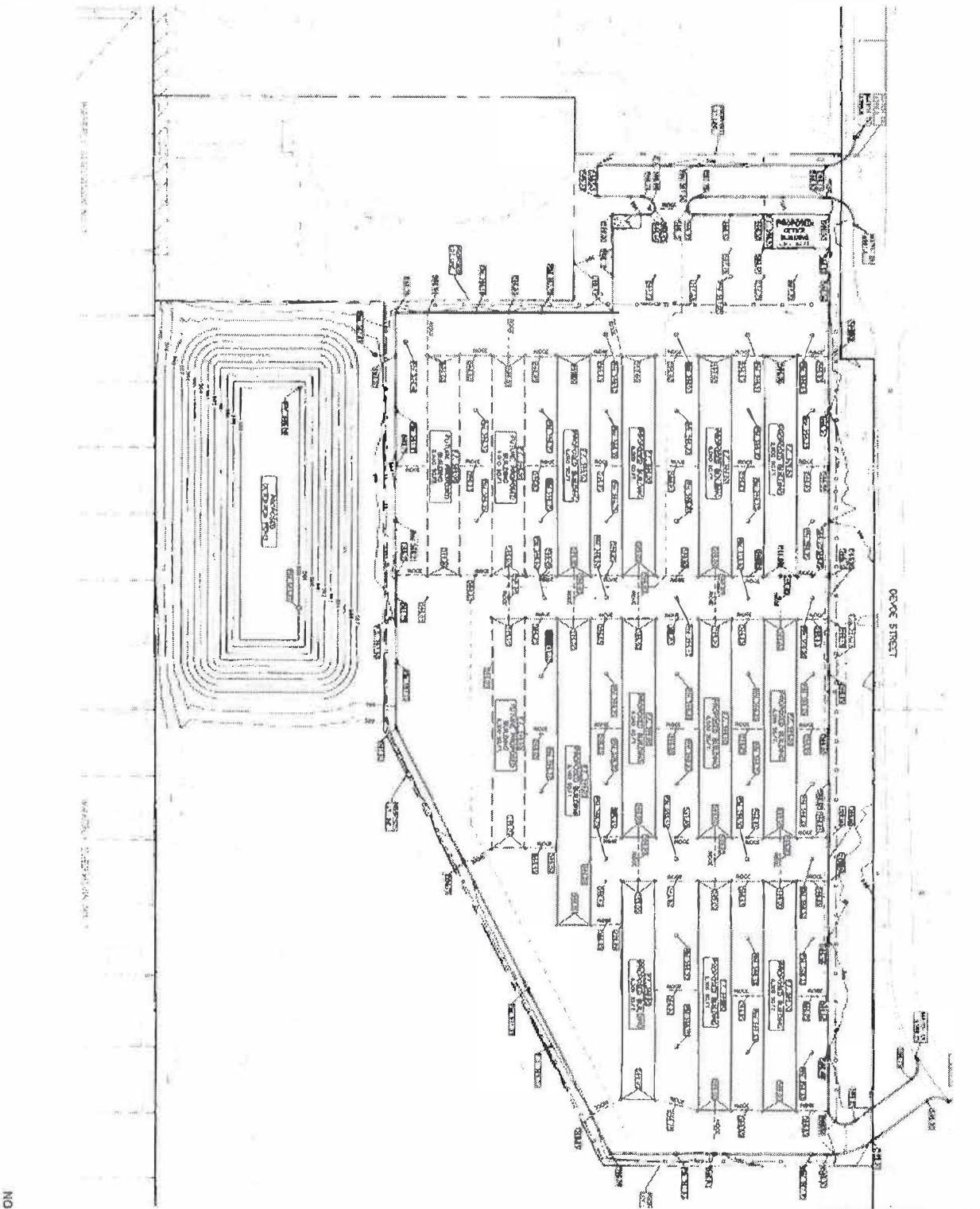
PAVING
DEVELOPMENT

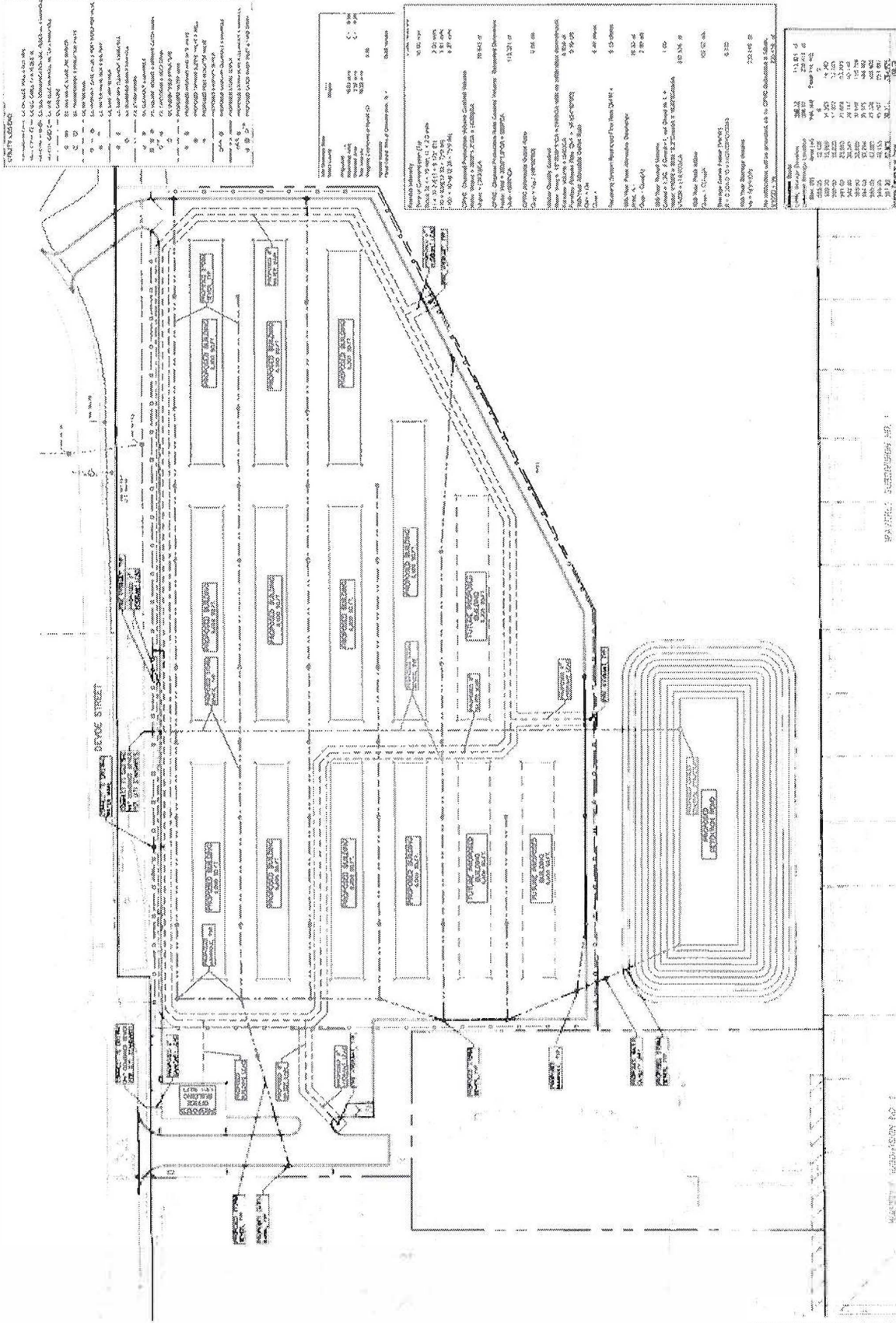


PEA GROUP
1044 2013RD
www.peagroup.com

LEGEND

- 1. EXISTING GRADE
- 2. PROPOSED GRADE
- 3. PROPOSED PAVING
- 4. PROPOSED CURB
- 5. PROPOSED SIDEWALK
- 6. PROPOSED DRIVEWAY
- 7. PROPOSED FENCE
- 8. PROPOSED SIGN
- 9. PROPOSED LIGHT
- 10. PROPOSED UTILITY
- 11. PROPOSED EROSION CONTROL
- 12. PROPOSED DRAINAGE
- 13. PROPOSED RETENTION WALL
- 14. PROPOSED FILL
- 15. PROPOSED EXCAVATION
- 16. PROPOSED ASPHALT
- 17. PROPOSED CONCRETE
- 18. PROPOSED BRICK
- 19. PROPOSED STONE
- 20. PROPOSED WOOD
- 21. PROPOSED METAL
- 22. PROPOSED GLASS
- 23. PROPOSED PLASTER
- 24. PROPOSED PAINT
- 25. PROPOSED FINISH







SCALE: 1" = 10'



NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION

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NOT FOR CONSTRUCTION

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NOT FOR CONSTRUCTION

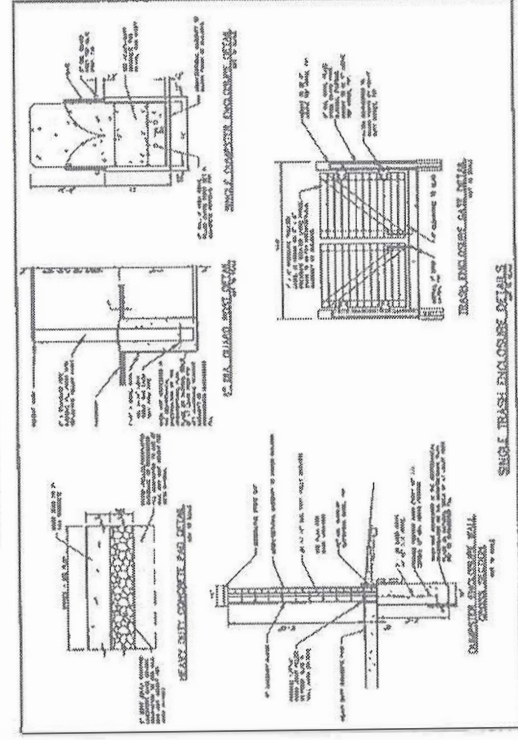
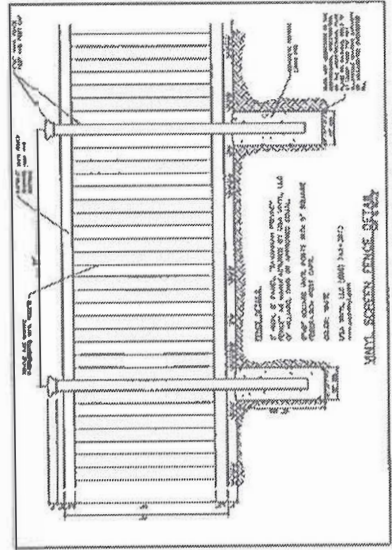
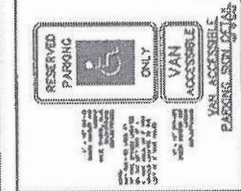
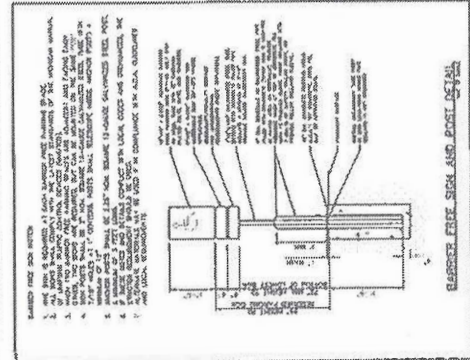
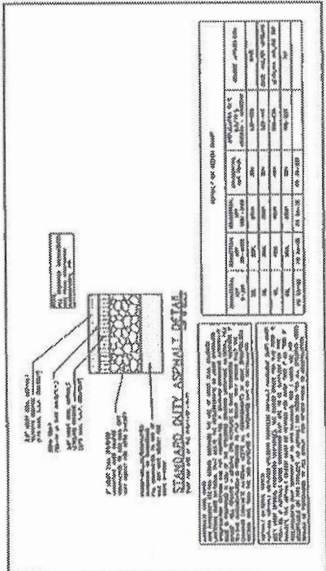
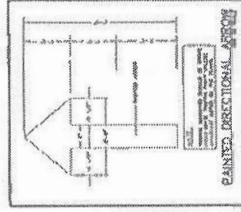
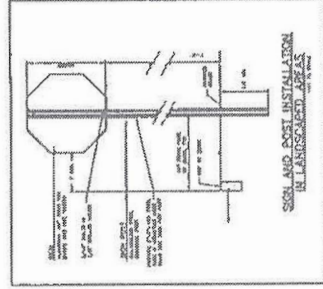
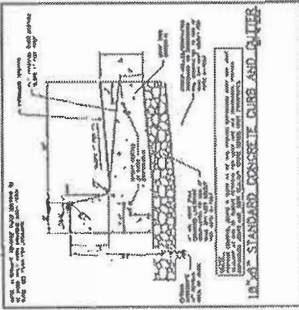
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NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

C-9.0

NOTES AND DETAILS

DATE	2023-07-10
BY	PEA GROUP
CHKD	PEA GROUP
APP'D	PEA GROUP
REV	PEA GROUP



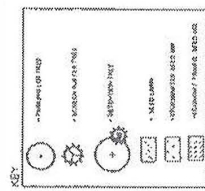
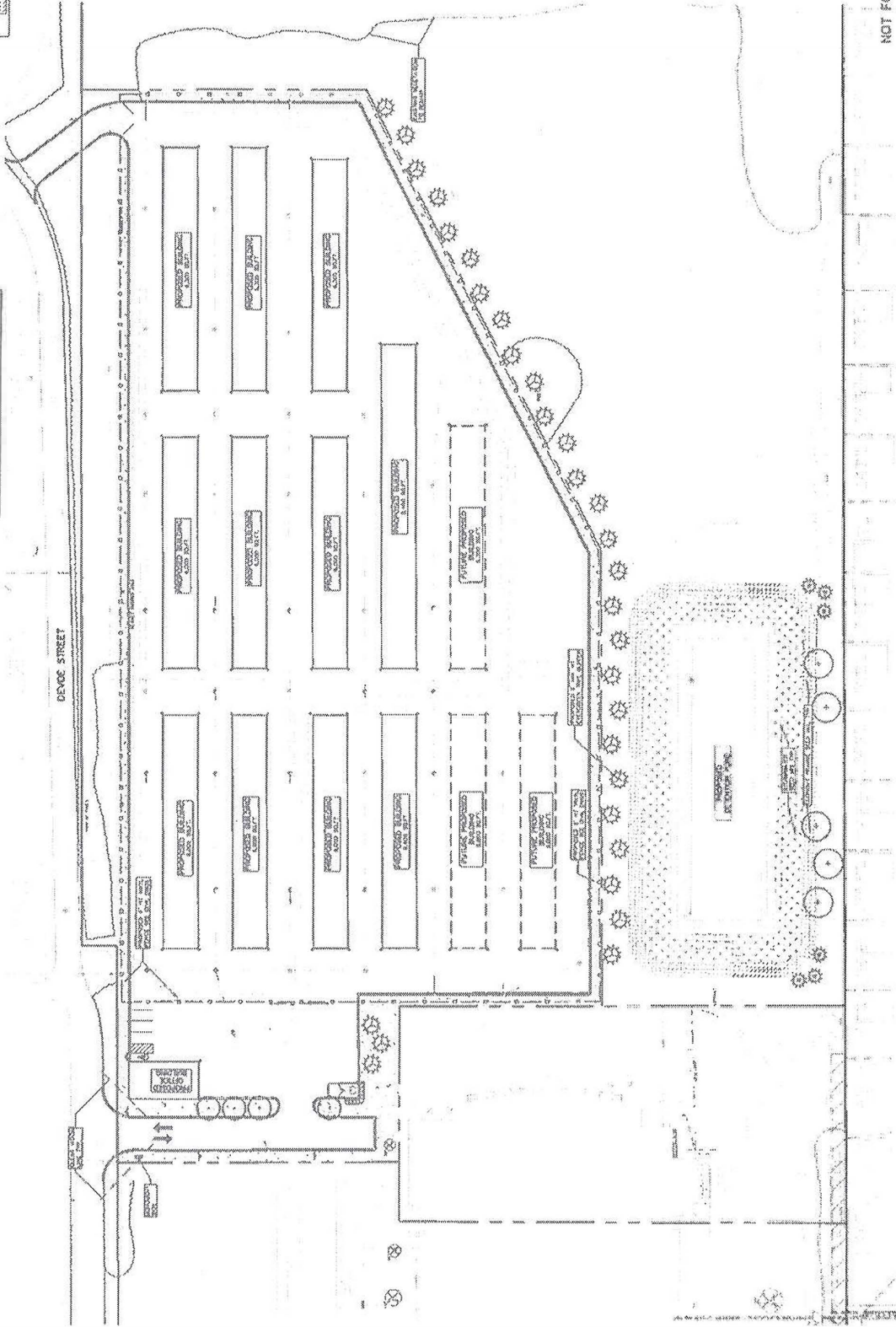
LOCAL DEVELOPMENT

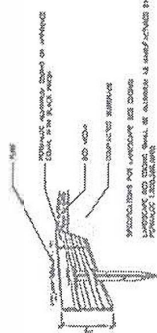
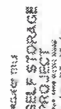
SELF STORAGE PROJECT

PRELIMINARY LANDSCAPE PLAN

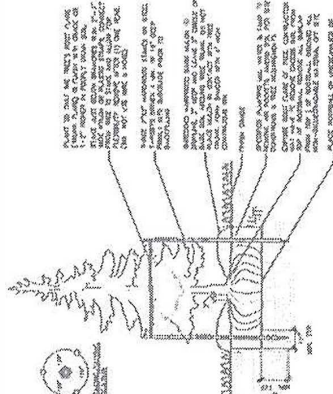
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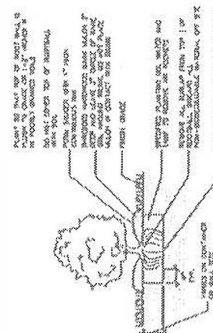
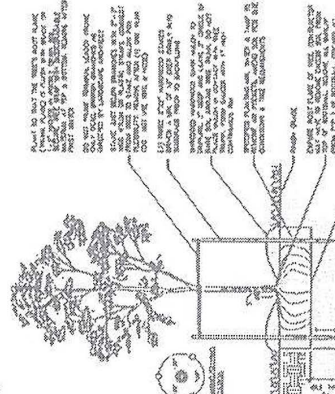
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2025 RELEASE UNDER E.O. 14176



2. QUESTION

[illegible]

BIOGRAPHICAL SKETCH

JAMES H. HARRIS

EDUCATIONAL RECORD

PROFESSIONAL RECORD

TEACHING RECORD

RESEARCH RECORD

PUBLICATIONS

HONORS AND AWARDS

REFERENCES

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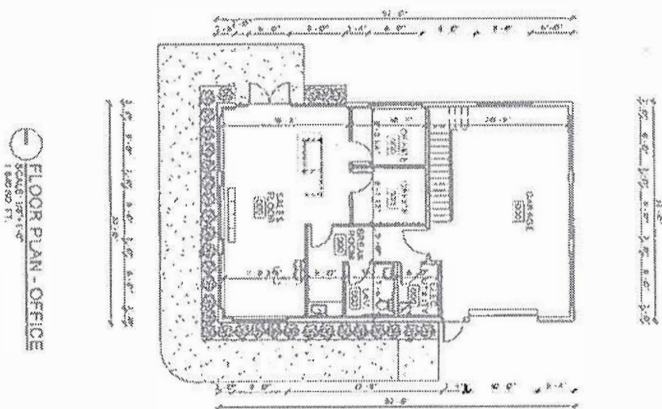
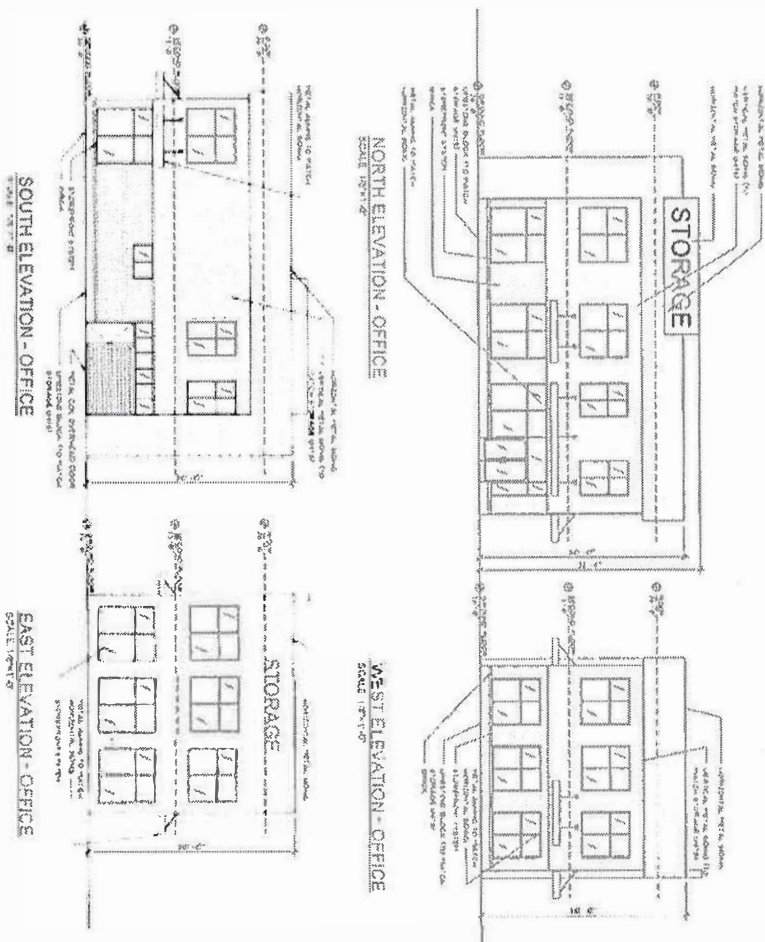
RESEARCH RECORD

PUBLICATIONS

HONORS AND AWARDS

NOT FOR CIRCULATION





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Owner: Bacall

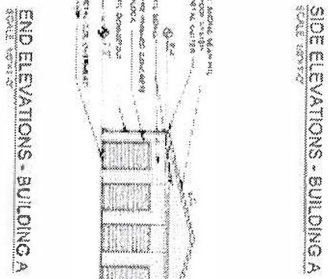
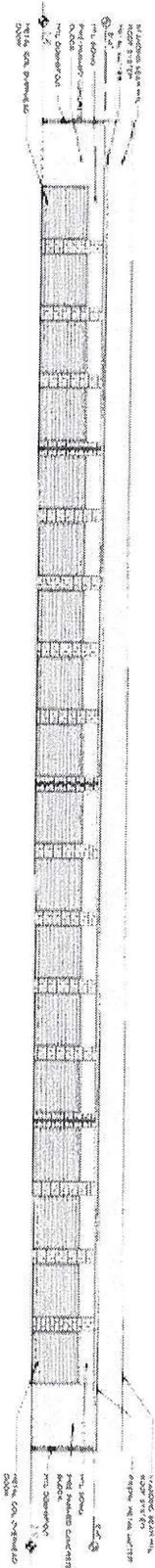
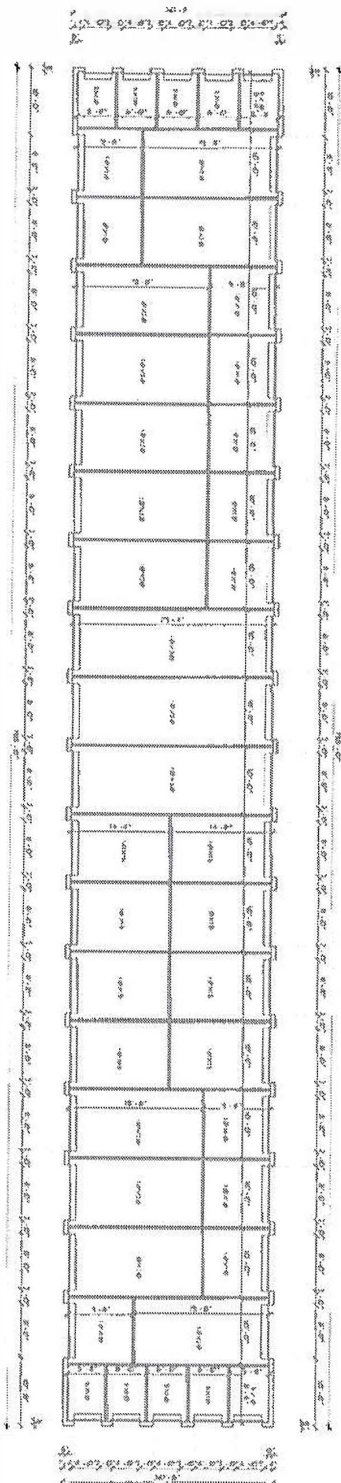
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Floor Plans and Elevations - Office

Drawn By J.M.
Checked By D.M.

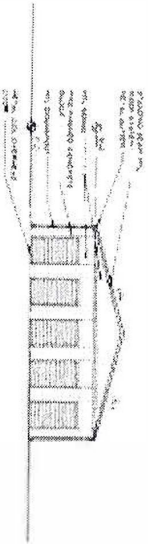
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9	ISSUED FOR PERMIT	08/08/12
10	ISSUED FOR PERMIT	08/08/12

Project
Aquinas - Self Storage
15601 Northline Rd
Southgate, MI 48195
Client
Bacall Development
30407 West Thirteen Mile Rd.
Farmington Hills, MI 48334

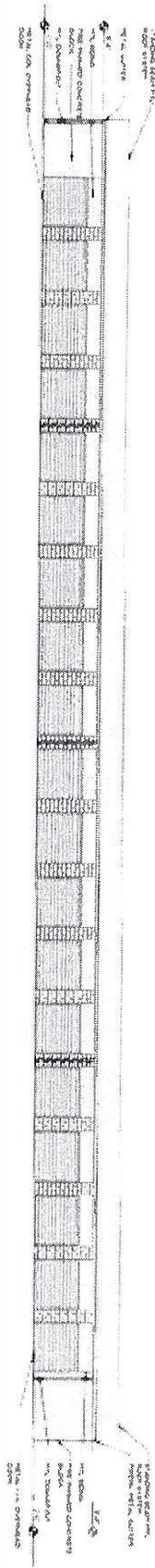
TDG Architects
78 Oakland Avenue
Farmington Hills, MI 48334
P: (248) 973-1179
F: (248) 973-1179



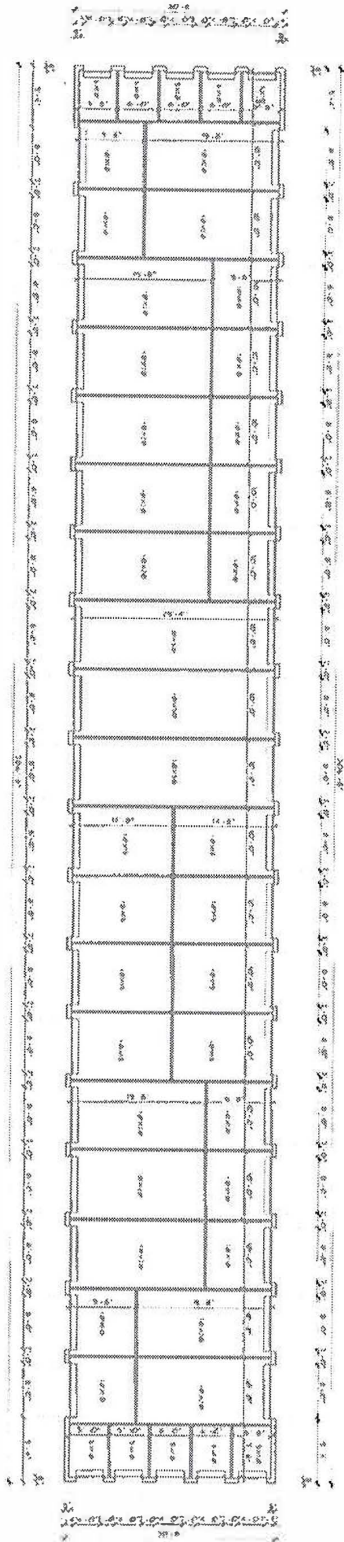
END ELEVATIONS - BUILDING B SCALE 1/8" = 1'-0"



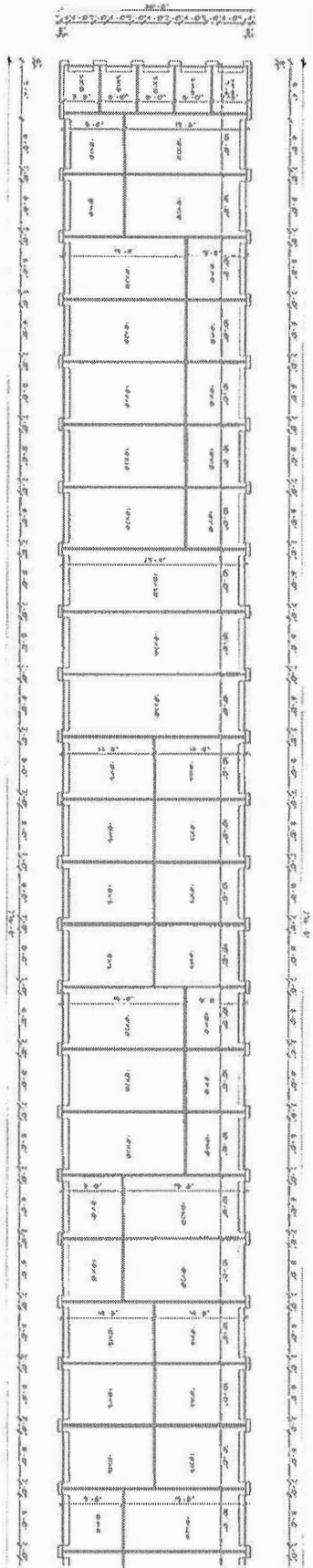
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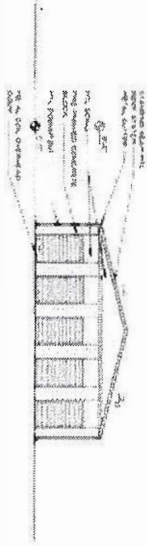
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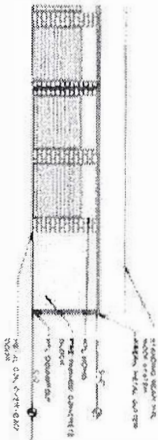
Project	Aguias - Self Storage
Address	15804 Northline Rd. Southgate, MI 48135
Client	Bacall Development 30407 West Thirteen Mile Rd. Farmington Hills, MI 48334
Architect	IDG Architects
Scale	1/8" = 1'-0"
Sheet	A 102



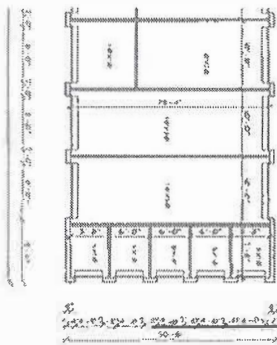
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SCALE: 1/8" = 1'-0"



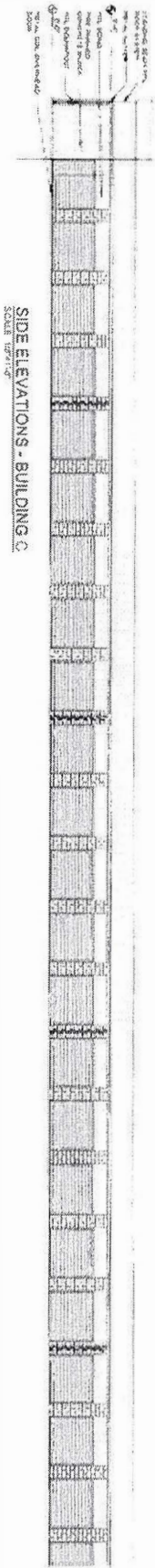
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SCALE: 1/8" = 1'-0"



SIDE ELEVATIONS - BUILDING C
SCALE: 1/8" = 1'-0"



FLOOR PLAN - BUILDING C
SCALE: 1/8" = 1'-0"



SIDE ELEVATIONS - BUILDING C
SCALE: 1/8" = 1'-0"

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A 103

24-384

Drawn By: DMC

Floor Plans and Elevations - 8,400 SF Unit

Checked By: DMC
Date: 01/11/2022

NO.	DESCRIPTION	DATE	BY	CHKD.
1	ISSUED FOR PERMIT	01/11/2022	DMC	DMC
2	ISSUED FOR CONSTRUCTION	01/11/2022	DMC	DMC
3	ISSUED FOR AS-BUILT	01/11/2022	DMC	DMC

Project
Aquinas - Self Storage
15601 Northline Rd.
Southgate, MI 48195
Client
Barclay Development
30407 West Thirteen Mile Rd.
Farmington Hills, MI 48334

TDG Architects
73 Oakwood Avenue
Farmington Hills, MI 48334
Phone: 248.461.1111
Fax: 248.461.1112



Carlisle | Wortman
ASSOCIATES, INC.

117 NORTH FIRST STREET SUITE 700 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

Date: June 6, 2024

Site Plan Review

City of Southgate, Michigan

APPLICANT: Bacall Development

ADDRESS: 30407 W. Thirteen Mile Road
Farmington Hills, MI 48334

PARCEL ID: 15601 Northline Road
53-013-99-0001-703

CURRENT ZONING: PD – Planned Development

ACTION REQUESTED: Site Plan Review

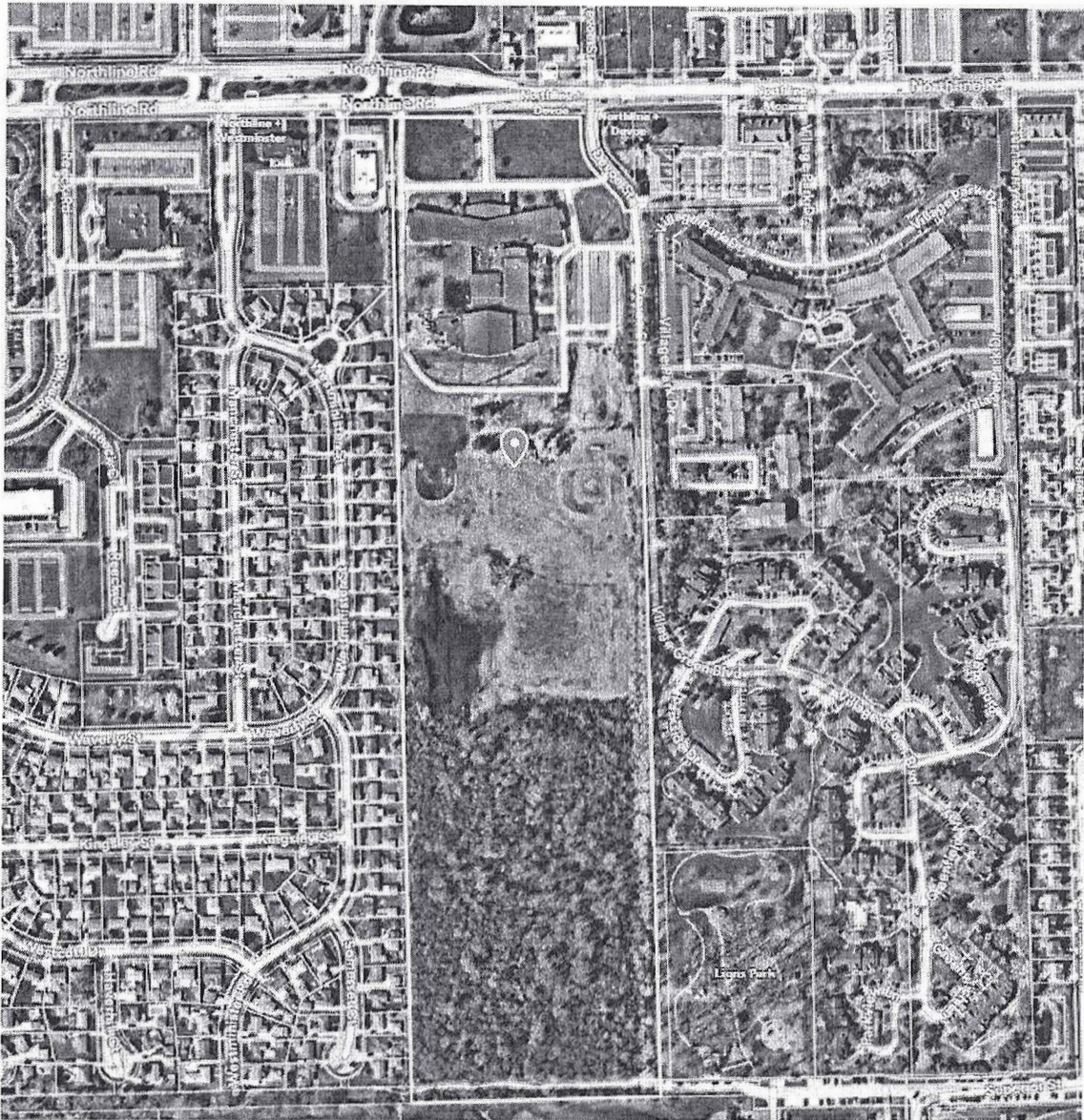
PROJECT AND SITE DESCRIPTION

An application was received to develop the property located at 15601 Northline Road, which was previously Aquinas High School but has since become vacant. The applicant is requesting to redevelop the site through a series of three (3) phases as part of a planned development, which includes a self-storage facility, multi-family housing, and retail buildings along Northline Road. The first phase proposes to introduce a self-storage facility consisting of fourteen (14) storage buildings varying in size from 6,000 to 8,400 square feet. The property is currently 37.86 acres in size and has since been rezoned from R-1A, One Family Residential / RO-1 Restricted Office to PD, Planned Development to accommodate the project. The self-storage facility will be located on the eastern portion of the site and will be roughly 7.96 acres in size.

Access is provided directly off Devoe Street on the east side of the property. The proposed site layout includes one (1) parking area positioned on the northeast portion of the site adjacent to a proposed office building and includes four (4) spaces including one (1) ADA space. Most of the parking throughout the site will consist of tenants parking in front of their respective storage units.

Benjamin R. Carlisle, *President* John L. Enos, *Vice President* Douglas J. Lewan, *Principal*
David Scurto, *Principal* Sally M. Elmiger, *Principal* R. Donald Wortman, *Principal* Craig Strong, *Principal*
Paul Montagno, *Principal* Megan Masson-Minock, *Principal* Laura Kreps, *Principal*
Richard K. Carlisle, *Past President/Senior Principal*

Figure 1. Aerial View of Property



Source: Nearmap, aerial photo date September 3, 2023

AREA, WIDTH, HEIGHT, SETBACKS

Section 1288.09(a) states: "It is the implied intent of the PD Planned Development District to encourage quality development by providing for a diversified mix of land use. It is further the intent of this mixed-use district to encourage qualitative design innovation by minimizing specific height, bulk, density, and area standards, thereby giving the applicant freedom to configure buildings, parking and related site amenities in ways that would otherwise be discouraged or curtailed under the standards of conventional zoning districts."

As a result, typical bulk requirements do not apply to the site. However, the project will need to adhere to the following general requirements designated for all PD developments:

- All buildings shall be at least fifty (50) feet from any public street right-of-way line and thirty-five (35) feet from any peripheral site boundary line.

The Planning Commission holds the authority to modify these requirements, subject to the finding that the public health, safety, and welfare of the City is preserved, and the modification would result in greater site aesthetics.

Currently all building locations meet this requirement.

Items to be Addressed: None.

ZONING AND LAND USE

Surrounding zoning and existing land uses are summarized in the table below.

Table 2. Zoning and Land Use

	Existing Land Use	Existing Zoning
Site	• Vacant	PD, Planned Development
North	• Beauty supply store	RO-1, Restricted Office C-2, General Business
East	• Pediatric center • Preschool • Apartment complexes	RO-1, Restricted Office RM, Multiple Family Residential R1-A, One Family Residential
West	• Single family housing • Health center	RO-1, Restricted Office R1-A, One Family Residential P-1, Vehicular Parking
South	• Southgate golf course	R1-A, One Family Residential

Items to be Addressed: None.

BUILDING LOCATION AND SITE ARRANGEMENT

Building Location(s): The proposed self-storage facility will consist of fourteen (14) buildings varying in size arranged throughout the site. The proposed buildings are arranged in three (3) rows in a symmetrical pattern. The buildings are shown to be accessed via an automatic sliding gate on the north side of the property. We ask the applicant to clarify the intended hours of operation of the facility.

Items to be Addressed: Provide hours of operation.

PARKING, LOADING

Warehousing uses are required to provide "Five spaces plus one for every one employee in the largest working shift, plus one space for each company vehicle, or five spaces plus one for every 2,000 square feet of usable floor space, plus one for each company vehicle, whichever is greater."

We ask the applicant to clarify how many employees will be present during the largest shift, and if any company vehicles will be used. At least five (5) spaces are required. Four (4) total spaces including one (1) ADA space have been provided. Two (2) additional parking spaces plus the amount used for the calculation of employees and company vehicles will need to be added.

A summary of parking and loading requirements per section 1292.02 is located within the table below. The applicant has indicated that loading zones will consist of the space in front of each tenant's storage unit.

	Requirement	No. of Spaces Required & Other	No. Spaces Provided & Other
Off-street parking spaces	5 spaces plus 1 space for each employee	5 spaces	3 spaces
Barrier Free	1 space per 25 parking spaces	1 space	1 space
Maneuvering Lane Width	22 feet	-	30-50 ft
Size of parking space/width & length	Length – 19 feet Width – 10 feet	-	Length – 20.73 ft Width – 10 ft
Loading area	10 sf per 1 foot of building frontage	600 ft x 10 sf = 6,000 sf	None

The number of parking spaces is two (2) spaces short, and the parking stall length calculation (20.73 feet) is not shown at a 90-degree angle. We are of the opinion that the proposed method of parking/loading spaces adjacent to storage units will adequately serve the site and its tenants once additional parking for the office space is provided.

Items to be Addressed: 1) Add parking spaces based on employee and company vehicle counts. 2) Correct parking stall length calculation in parking area to show nineteen (19) feet.

SITE ACCESS AND CIRCULATION

Site Access: The self-storage facility will be accessed by an eighty (80) foot wide access drive along Devoe Street. A second access drive fifty (50) feet wide is proposed on the southeastern corner of the site strictly for emergency vehicle access. We ask the applicant to provide proof that proper approval has been granted to conduct work along the street.

Circulation: Maneuvering lane widths are based on the angle of parking spaces, in this case 0 (parallel parking spaces along storage units) and 90-degree (office parking) spaces are proposed, where maneuvering lanes are required to be twelve (12) and twenty-two (22) ft. in width, respectively. All vehicle lanes proposed on site are at least 24 feet wide, meeting ordinance requirements. We ask the applicant to provide turning radii illustrations to ensure the site can provide adequate circulation for emergency and garbage vehicles. We also suggest the northern portion of the proposed vinyl fence be moved south to provide additional maneuverability for the southernmost parking space.

Waste/Dumpster Enclosure: A dumpster enclosure is proposed on the northwest corner of the site. We ask the applicant to confirm who the dumpster enclosure will be accessible to, as the current location is not within the proposed fencing.

The Fire Department has indicated they are comfortable with the proposed site layout as presented.

Items to be Addressed: 1) Confirm approval to conduct work along Devoe Street. 2) Provide turning radii for emergency and garbage vehicles. 3) Clarify use of dumpster enclosure.

UTILITIES

A utility plan located on sheet C-6.0. Proposed storm sewer, water mains, sanitary sewer, and fire hydrant locations are all shown. Current plans show stormwater will be diverted to a detention pond on the western portion of the site. We defer further review of all proposed utilities to the City Engineer for approval.

Items to be Addressed: City Engineer review and approval.

LANDSCAPING

A landscape plan has been provided on sheet L-1.0.

- Street Trees:** No street trees are proposed along Devoe Street. Previous conversations with the applicant included the installation of a “living” screening wall, consisting of green planting along the face. We are of the opinion that a living wall is the minimum necessary to provide an adequate buffer between the site and the existing apartment complex to the east.
- Greenbelt Buffer:** No greenbelt plantings are shown, and we are of the opinion a greenbelt in the form of a living wall as mentioned above or additional trees to the satisfaction of the Planning Commission is required on the eastern side of the site.
- Refuse Container:** The proposed refuse container located on the northwestern corner of the site will be fully enclosed, with a nearby deciduous tree and shrubs for additional screening.
- Fencing:** A six (6) foot tall vinyl fence is proposed around the perimeter of the storage area. The portion of the fence along Devoe street will need to be altered to meet the living wall requirement as mentioned above. Screening trees are provided along the remaining perimeter. We ask the applicant to clarify the height of the proposed fence as details on sheet C-9.0 show the vinyl siding to be five (5) feet in height. We also ask the applicant to change the material of the vinyl fence around the site to industrial panel walls that have the appearance of stone to provide a greater sense of screening.

Section 1298.09 states “Development which occurs in a nonresidential district shall provide, in addition to any existing or proposed street right of way, at least ten percent of the net site area (exclusive of buildings, off-street parking areas, etc.) as landscaped open space.” Current plans indicate an open space calculation of 44%, meeting this requirement.

Per section 1298.09, a landscape plan shall also consist of planting cross-section details, which has been provided on sheet L-1.1. A planting schedule including plant species and caliper planting size has not been provided and is required to ensure all proposed species are non-invasive. A wide variety of species is recommended to provide greater site resiliency.

Items to be Addressed: 1) Convert fencing along Devoe Street to include living plant material. 2) Provide planting schedule. 3) Clarify height of proposed vinyl fence. 4) Change fencing material of site fence to have stone appearance.

LIGHTING

A photometric plan and fixture details have been provided, and we are of the opinion the proposed lighting is adequate and will not have an adverse effect on surrounding properties. It should also be noted that all exterior lights appear to be down shielded. The height of proposed lighting fixtures is unclear, and we ask the applicant to provide greater clarification. In addition, current lighting levels show zero (0) footcandle measurements at property lines.

Items to be Addressed: Clarify height of proposed light fixture.

SIGNS

One (1) monument sign is proposed near the northeast entrance to the site. Additional wall mounted signage is proposed on the northern elevation of the office building. No signage details are provided and will be required. All proposed signage is subject to review by the City Building Department.

Items to be Addressed: Provide monument and wall mounted sign details and dimensions.

FLOOR PLAN AND ELEVATIONS

Dimensioned Floor plans and elevations of all buildings have been provided. The storage buildings will consist of five (5) options: 5x10, 10x10, 10x15, 10x20, and 10x30 foot units. Please note that all proposed materials will be subject to Building Department review and approval. Uniform architectural design and materials appear to be used throughout the site.

Current elevations indicate that metal siding is proposed on both the office building and storage units. Section 1298.17(2)(B) does not specifically list metal siding as a permitted building material for nonresidential buildings. If the applicant wishes to keep the siding as is, a variance with the City's Board of Zoning Appeals will be required.

Items to be Addressed: Seek variance approval from City BZA for metal siding materials.

PLANNED DEVELOPMENT CONSIDERATIONS

Per section 1288.07, the Planning Commission may recommend City Council to impose reasonable conditions upon the planned development to ensure the public health, safety, and welfare of the City is maintained, as well as ensuring compatibility with adjacent uses of land. We recommend the Planning Commission require the following conditions when reviewing the planned development application:

1. At a minimum, install living materials along the eastern portion of the proposed vinyl fence to provide greater screening from the adjacent apartment complex.
2. The applicant will need to provide greater clarification regarding the proposed phasing timeline. Site plans for the second phase of the project, which includes multi-family housing, must be submitted and approved, as well as construction efforts (not including demolition) starting before a certificate of occupancy will be issued for the self-storage facility.

4. Please note that any form of outdoor storage is prohibited.
5. The site plan indicates three (3) storage buildings on the western side of the site are proposed for future construction. We ask the applicant to clarify their intentions for those three buildings.

RECOMMENDATION

Based on the information provided, we recommend approval of the presented site plan conditional upon the following issues being addressed to the satisfaction of the Planning Commission and City Council.

1. Provide hours of operation.
2. Add parking spaces based on employee and company vehicle counts.
3. Correct parking stall length calculation in parking area to show nineteen (19) feet.
4. Confirm approval to conduct work along Devoe Street.
5. Provide turning radii for emergency and garbage vehicles.
6. Clarify use of dumpster enclosure.
7. City Engineer review and approval.
8. Provide planting schedule.
9. Clarify height of proposed fence.
10. Change material of site fence to commercial industrial wall panels with stone or brick design or masonry wall if desired.
11. Clarify height of proposed light fixture.
12. Provide monument and wall mounted sign details and dimensions.
13. Seek variance approval from City BZA for metal siding materials.
14. Address items in "Planned Development Considerations" section above.



CARLISLE WORTMAN ASSOCIATES, INC.

John L. Enos, AICP
Vice President



CARLISLE WORTMAN ASSOCIATES, INC.

Joe Pezzotti
Community Planner



June 11, 2024

Mr. Tim Leach
Buildings Inspection Director
City of Southgate
14400 Dix-Toledo Road
Southgate, MI 48195

**Re: Self Storage 15601 North Line Road
Post Planning Commission Review #1, City of Southgate
Hennessey Engineers Plan Review #12240**

Dear Mr. Leach:

Hennessey Engineers, Inc., has completed our preliminary post planning commission review. Listed below are some comments which will be addressed in our engineering review, if this project moves forward, but would not be grounds for a reason for denial from an engineering feasibility standpoint:

1. Property lines must be shown and labeled on the plans. On-site drainage must not discharge to the abutting properties. Existing and proposed grades will be required for verification.
2. There are no wetlands shown in the development area. The developer will need to confirm that there are not any wetlands on this site. If there are wetlands on the site the developer must obtain a permit from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). If there are no wetlands on this site, it should be noted as such.
3. If the development is impacted by the 100-year flood plain, the flood plain must be shown on the plans. If it is not, a note must be put on the plans indicating that the area being developed is not within the 100-year flood plain.
4. The proposed water main will require a permit issued by the Department of Environment, Great Lakes, and Energy (EGLE).
5. The detention area is being designed for this development only. Future phases will require independent detention areas.

From an engineering feasibility standpoint, our office has no objection to the preliminary site plan. **A detailed engineering review and approval will be required prior to permit issuance and the start of any construction.**

The designer shall resubmit three (3) copies of the plans to initiate the engineering review process.

Engineering
for Results

Should you have any questions, please do not hesitate to contact our office at (734) 759-1600.

Very Truly Yours,

HENNESSEY ENGINEERS, INC



Richard J. McCarty, P.E.
Project Manager

cc: Dan Marsh, City Administrator, City of Southgate
Jeff Niemann, Fire Marshal, Southgate Fire Department
Michelle Gendron, Building Department Clerk, City of Southgate
Kevin Anderson, DPS Director, City of Southgate
John J. Hennessey, P.E., Vice President, Hennessey Engineers, Inc.
John Miller, Construction Manager, Hennessey Engineers, Inc.

R:\Municipalities\10000's Southgate\12000's Southgate\12240 Self Storage 15601 North Line Road\2024-6-11_Post PC review -1_12240.docx

13900 River Road Southgate, MI 48185 | 734 759-1600 | Fax 734 759-1605 | www.hennessey-engineers.com

City of Southgate

Planning Commission Meeting

June 10, 2024

This meeting of the Planning Commission was held in the Municipal Council Chambers, 14400 Dix-Toledo Highway, Southgate, Michigan on Monday, June 10, 2024 and called to order by Chairman James Yoos, at 7:00 p.m.

PRESENT: James Yoos, Linda Clark, Mark Nemeth, Andrew Moul, Patricia Anderson, Leticia Wilson, Jerry Orman

ABSENT: Eric Codrington, Chad Godbout (all excused)

ALSO PRESENT: City Planners John Enos, Joe Pezzotti, City Administrator, Dan Marsh, Building Inspections Director Tim Leach, City Attorneys, Ed Zelenak, Amelia Zelenak, Council Member Ayres-Reiss

Minutes:

Moved by Wilson, supported by Nemeth, that the minutes of the Planning Commission Meeting dated May 13, 2024 be approved. MOTION APPROVED UNANIMOUSLY.

Administrative Reports:

Mr. Marsh gave an update on the Southgate Towers project.

New Business:

1. Site Plan Application, Bacall Development, 15601 Northline Road, Proposed Self-Storage Facility. PC 04-2024.

An application was received to develop the property located at 15601 Northline Road, which was previously Aquinas High School but has since become vacant. The applicant is requesting to redevelop the site through a series of three (3) phases as part of a planned development, which includes a self storage facility, multi-family housing, and retail buildings along Northline Road. The first phase proposes to introduce a self-storage facility consisting of fourteen (14) storage buildings varying in size from 6,000 to 8,400 square feet. The property is currently 37.86 acres in size and has since been rezoned from R-1A, One Family Residential / RO-1 Restricted Office to PD, Planned Development to accommodate the project. The self-storage facility will be located on the eastern portion of the site and will be roughly 7.96 acres in size.

Moved by Anderson, supported by Clark, to recommend Conditional Approval to City Council for Application Bacall Development, 15601 Northline Road, Proposed Self-Storage with the following issues being addressed:

1. Provide hours of operation.
2. Add parking spaces based on employee and company vehicle counts.
3. Correct parking stall length calculation in parking area to show nineteen (19) feet.

4. Confirm approval to conduct work along Devoe Street.
5. Provide turning radii for emergency and garbage vehicles.
6. Clarify use of dumpster enclosure.
7. City Engineer review and approval.
8. Provide planting schedule.
9. Clarify height of proposed fence.
10. Change material of site fence to commercial industrial wall panels with stone or brick design or masonry wall if desired.
11. Clarify height of proposed light fixture.
12. Provide monument and wall mounted sign details and dimensions.
13. Outside storage prohibited.
14. Address items in "Planned Development Considerations" section above.

MOTION APPROVED UNANIMOUSLY.

Adjournment:

Moved by Clark, supported by Anderson, that this meeting of the Planning Commission be adjourned at 7:30 p.m. MOTION APPROVED UNANIMOUSLY.

James Yoos
Chairman, Planning Commission
as

CITY OF SOUTHGATE

PLANNING COMMISSION RESOLUTION

At a meeting of the Southgate Planning Commission called to order by James Yoos, on June 10, 2024 at 7:00 p.m. the following resolution was offered:

Moved by Anderson, supported by Clark, to recommend Conditional Approval to City Council for Application Bacall Development, 15601 Northline Road, Proposed Self-Storage with the following issues being addressed:

- 1. Provide hours of operation.**
- 2. Add parking spaces based on employee and company vehicle counts.**
- 3. Correct parking stall length calculation in parking area to show nineteen (19) feet.**
- 4. Confirm approval to conduct work along Devoe Street.**
- 5. Provide turning radii for emergency and garbage vehicles.**
- 6. Clarify use of dumpster enclosure.**
- 7. City Engineer review and approval.**
- 8. Provide planting schedule.**
- 9. Clarify height of proposed fence.**
- 10. Change material of site fence to commercial industrial wall panels with stone or brick design or masonry wall if desired.**
- 11. Clarify height of proposed light fixture.**
- 12. Provide monument and wall mounted sign details and dimensions.**
- 13. Outside storage prohibited.**
- 14. Address items in "Planned Development Considerations" section above.**

MOTION APPROVED UNANIMOUSLY.

I, James Yoos, Chairperson of the Southgate Planning Commission, do hereby certify that the foregoing is a true, correct, and complete copy of a resolution adopted by the Southgate Planning Commission at a meeting held on June 10, 2024.

Chairperson

cc: Plan Consultant, City Administrator, Building Department, City Council, Clerk, File, Attorneys

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



City of Southgate

- CITY COUNCIL -

ZOEY KUSPA
Council President

CHRISTIAN GRAZIANI

BILL COLOVOS

KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

MEMORANDUM

TO: Honorable Mayor and City Council
FROM: Douglas Drysdale, Assistant City Administrator / Finance Director
DATE: June 13, 2024
RE: Fiscal Year 2023-24 Budget Amendment #2024-02

DWD

Attached please find proposed budget amendment #2024-02 for fiscal year ending June 30, 2024.

The attached report proposes amendments to budgeted revenues and expenditures, based on year-to-date activity and projected final balances in these accounts. These budget amendments are necessary to be in compliance with the State of Michigan's Uniform Budgeting and Accounting Act.

Amendments that are positive amounts represent increases to the adopted budget figures; conversely negative amounts represent decreases to the adopted budget figures.

Proposed Motion

Approve proposed Budget Amendment #2024-02 as detailed on the attached report.

Fund	Dept	GL Number	Description	FY 2023-24 Adopted	FY 2023-24 Amended	Change
General Fund	Revenues	101-000-528-000	Federal Grants - ARPA	\$ 0	\$ 27,652	\$ 27,652
General Fund	IT Dept	101-228-977-000	Capital Outlay - Mach & Equipment	\$ 66,350	\$ 94,002	\$ 27,652
			Net Effect on Fund Balance			\$ 0
Description: Amend budget for recognition of use of ARPA funds, funds used for purchase of multi-factor computer security keys. Purchase and use of ARPA funds was approved by city council at the 10/18/2023 meeting.						
General Fund	Revenues	101-000-528-000	Federal Grants - ARPA	\$ 0	\$ 560,404	\$ 560,404
General Fund	Recreation	101-751-975-000	Capital Outlay - Building Improvements	\$ 0	\$ 560,404	\$ 560,404
			Net Effect on Fund Balance			\$ 0
Description: Amend budget for recognition of use of ARPA funds, funds used for roof replacement at the Senior Center (sections 3 and 5) and Ice Arena (section 4). Purchase and use of ARPA funds was approved by city council at the 01/03/2024 meeting.						
General Fund	Assessing	101-257-801-000	Professional Fees	\$ 210,000	\$ 264,430	\$ 54,430
			Net Effect on Fund Balance			\$ (54,430)
Description: Amend budget for recognition prior year billing for WCA Assessing invoice. Invoice was received after fiscal year 2022/23 was closed.						
General Fund	Revenues	101-000-496-000	Apartment Inspection Revenue	\$ 0	\$ 435,665	\$ 435,665
General Fund	Building Dept	101-371-812-000	Service Contract - Apt Inspections	\$ 0	\$ 84,599	\$ 84,599
			Net Effect on Fund Balance			\$ 351,066
Description: Amend budget for recognition of revenues and expenditures related to the implementation of the multi-family inspection program. Program was begun in 2023 after budget was adopted.						
General Fund	Revenues	101-000-528-001	Tower Project Bridge & Park - ARPA	\$ 0	\$ 119,070	\$ 119,070
General Fund	Recreation	101-751-974-002	Tower Project - Park Expenditures	\$ 0	\$ 119,070	\$ 119,070
			Net Effect on Fund Balance			\$ 0
Description: Amend budget for recognition of ARPA grant revenues and expenditures related to the Southgate Bank Tower project, specifically the bridge and park construction. ARPA funds are through Wayne County grant.						
General Fund	Administration	101-171-718-000	Retirement Contribution - Muni Pre '08	\$ 37,900	\$ 48,775	\$ 10,875
General Fund	City Clerk	101-215-718-000	Retirement Contribution - Muni Pre '08	\$ 0	\$ 48,775	\$ 48,775
General Fund	Finance	101-223-718-000	Retirement Contribution - Muni Pre '08	\$ 84,670	\$ 97,550	\$ 12,880
General Fund	Treasurer	101-253-718-000	Retirement Contribution - Muni Pre '08	\$ 83,320	\$ 97,550	\$ 14,230
General Fund	District Court	101-286-718-000	Retirement Contribution - Muni Pre '08	\$ 126,421	\$ 146,325	\$ 19,904
General Fund	Police	101-301-718-000	Retirement Contribution - Muni Pre '08	\$ 73,971	\$ 0	\$ (73,971)
General Fund	Building Dept	101-371-718-000	Retirement Contribution - Muni Pre '08	\$ 0	\$ 48,775	\$ 48,775
General Fund	Public Services	101-441-718-000	Retirement Contribution - Muni Pre '08	\$ 332,736	\$ 341,425	\$ 8,689
General Fund	Garage	101-442-718-000	Retirement Contribution - Muni Pre '08	\$ 144,515	\$ 97,550	\$ (46,965)
			Net Effect on Fund Balance			\$ (43,192)
Description: Amend budget for reallocation of city pension contribution for municipal employees due to employees changing departments						
General Fund	Fire Dept	101-336-705-010	Overtime	\$ 196,723	\$ 260,473	\$ 63,750
			Net Effect on Fund Balance			\$ (63,750)
Description: Amend budget for recognition of overtime incurred by fire department employees due to vacant positions in staffing.						

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



- CITY COUNCIL -

ZOEY KUSPA
Council President

CHRISTIAN GRAZIANI

KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

June 13, 2024

To the Honorable
City Council
Southgate, Michigan 48195

Re: Approval of Change Order No. 001 for 2023-24 Sidewalk Replacement Program

Ladies and Gentlemen:

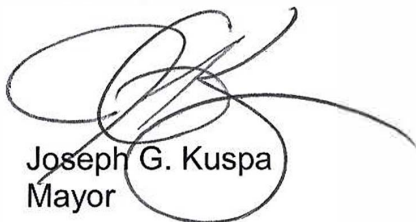
I have reviewed the above and concur with the City Engineer's recommendation to approve Change Order No. 1 in the amount of \$185,000.00 plus a 10% contingency of \$18,500.00 for the agreement with Royal Cement, Southgate, Michigan for the 2023-24 Sidewalk Replacement Program which was originally approved at your August 2, 2023 City Council meeting.

The change order reflects the additional restoration work due to repairs by the City's Water Department of water main breaks or leaks, curb stop repairs and replacements.

Funds for this change order are available in the Water/Sewer Fund.

Your favorable consideration of this matter is requested.

Sincerely,



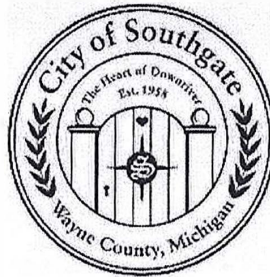
Joseph G. Kuspa
Mayor

JGK/law

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



- CITY COUNCIL -

ZOEY KUSPA
Council President

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KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

MEMORANDUM

TO: Honorable Mayor and City Council

FROM: Douglas Drysdale, Assistant City Administrator / Finance Director *DWD*

DATE: June 13, 2024

RE: Recommendation to Approve Change Order No. 001 for 2023-24 Sidewalk Replacement Program

I have reviewed the above change order with the City Engineer and concur with his recommendation to approve Change Order No. 001 with Royal Cement (Southgate MI) in the amount of \$185,000.00, plus 10% contingency in the amount of \$18,500.00.

This change order is an addition to the scope of work as outlined in the agreement approved by City Council at their August 2, 2023 meeting. Royal Cement has agreed to extend the unit prices approved under that agreement. The work will consist of restoration of sidewalks, driveways, drive approaches, and streets due to repairs by the City's Water Dept of water main breaks or leaks, curb stop repairs, and replacements.

Adequate funding for this project change order is available in the Water & Sewer Fund.

Proposed Motion

Approve Change Order No. 001 with Royal Cement in the amount of \$185,000.00, plus 10% contingency in the amount of \$18,500.00, for restoration services, at the unit prices approved under the original agreement.



June 13, 2024

Mr. Dan Marsh, City Administrator
City of Southgate
14400 Dix-Toledo Highway
Southgate, Michigan 48195

Re: 2023 – 2025 Sidewalk Replacement Program (Three year contract)
Change Order No. 001
City of Southgate
Hennessey Project No. 13125

Dear Mr. Marsh:

Please find attached change order 001 for the above referenced project. The referenced project was awarded to Royal Cement Company through a competitive bidding process and approved by the City Council at their regularly scheduled meeting of August 2, 2023.

Due to repairs of water main breaks, leaks, curb stop repairs and replacements by the City's Water Department, the City of Southgate desires the 2024 concrete restorations to be performed by Royal Cement. Based on Hennessey Engineers past experience with Royal Cement in Southgate and other communities, Royal cement is more than capable to complete this work.

This change order is for an addition to the scope of work as outlined in the approved contract.

We request that the attached change order be approved at the regular City Council meeting scheduled for June 20, 2024. Enclosed is the Award Letter, and bid tabulation spread sheet for the 2023 - 2025 Sidewalk Replacement Program for your reference. If you have any questions, or if additional information is necessary, please do not hesitate to contact me.

Very Truly Yours,

HENNESSEY ENGINEERS, INC

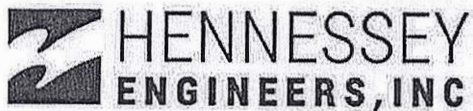
A handwritten signature in black ink that reads 'John M. Miller'.

John M. Miller
Project / Construction Manager

Enclosure

cc: Doug Drysdale, Finance Director, City of Southgate
Kevin Anderson, Director of Public Services, City of Southgate
John J. Hennessey, P.E., Vice President, Hennessey Engineers, Inc.
Roy Santos, President, Royal Cement Company

File B.3



CHANGE ORDER

Recommendation No. 001 Date: June 13, 2024

Project: 2023 - 2025 Sidewalk Replacement Program (Three year contract)

Project Number: 13125

Owner: City of Southgate

Contractor: Royal Cement

1. Addition to the Scope of Work:

Concrete restoration of sidewalks, driveways, drive approaches and streets due to repairs by the City's Water Department of water main breaks or water main leaks, curb stop (water shut-off valve) repairs or replacements.

This change order accounts for the additional requested work by the City of Southgate for the 2023 - 2025 Sidewalk Replacement Program.

Increase Cost for Change in Project Scope: \$185,000.00

2. 10% Contingency:

A 10 percent contingency is being accounted for any unforeseen conditions that may arise during the concrete restoration repairs.

10% Contingency: \$18,500.00

Original Contract Price:	\$ 639,381.51 (Contract Total)
10% Contingency:	\$ 0.00
Change Order No. 1 Price Increase:	\$ 185,000.00
Change Order 10% Contingency	<u>\$ 18,500.00</u>
Revised Contract Price:	\$ 842,881.51



Changes Originated By Hennessey Engineers, Inc.:

Signature: John M. Miller
Print Name: John M. Miller

Title: Project / Construction Mgr.
Date: June 13, 2024

Accepted by: Royal Cement

Signature: [Signature]
Print Name: Roy Santos

Title: President
Date: June 13, 2024

Accepted by the City of Southgate:

Signature: _____
Print Name: _____

Title: _____
Date: _____



August 3, 2023

Mr. Roy Santos
Royal Cement
3372 Dix Highway
Lincoln Park, Michigan 48146

**Re: 2023-2025 Sidewalk Replacement Program
Notice of Award
City of Southgate
Hennessey Project No. 13125**

Dear Mr. Santos:

This correspondence provides you with the Notice of Award for the above-referenced project. The project was awarded to Royal Cement by the City of Southgate Council at their regularly scheduled meeting on August 2, 2023 based upon unit pricing received at a total cost of \$639,381.51.

Five (5) sets of the contract documents are included with this correspondence and must be signed and returned to our office as soon as possible. Please secure your bonds & insurance and include them within the contract documents. Once your bonds and insurance are in place and a preconstruction meeting held, we will issue the Notice to Proceed.

Our office will be in contact with you shortly to schedule a preconstruction meeting. If you have any questions, or if additional information is necessary, please do not hesitate to call me at (734) 759-1600.

Very Truly Yours,

HENNESSEY ENGINEERS, INC

A handwritten signature in black ink that reads 'John M. Miller'.

John M. Miller
Project / Construction Manager

cc: Dan Marsh, City Administrator, City of Southgate
Doug Drysdale Director of Finance, City of Southgate
Kevin Anderson, Director of Public Services, City of Southgate
John J. Hennessey, P.E., Vice-President, Hennessey Engineers, Inc.

File B.4

**CITY OF SOUTHGATE 2023-2025 SIDEWALK REPLACEMENT PROGRAM
HENNESSEY PROJECT NO. 13125**

Royal Cement

3372 Dix Hwy
Lincoln Park, MI 48146

Line Number	Description	Est. Amount	Unit	Unit Price in Figures	Line Total
Category 1 - 2023 Designated Areas of Work					
1	Mobilization	1	LSUM	\$0.00	\$0.00
2	Traffic Maintenance & Control	1	LSUM	\$0.00	\$0.00
3	Structure, Adjust	2	EACH	\$250.00	\$500.00
4	Structure, Frame & Cover	2	EACH	\$250.00	\$500.00
5	Sanitary Structure, External Seal	2	EACH	\$500.00	\$1,000.00
6	Remove & Replace Concrete Curb & Gutter	63	LFT	\$35.00	\$2,205.00
7	Remove & Replace with 4-inch Concrete Sidewalk	8000	SFT	\$6.90	\$55,200.00
8	Remove & Replace with 6-inch Concrete Sidewalk	3000	SFT	\$8.20	\$24,600.00
9	Remove & Replace with 7-inch Concrete Sidewalk	200	SFT	\$8.70	\$1,740.00
10	Remove & Replace with 8-inch Concrete Sidewalk	200	SFT	\$8.90	\$1,780.00
11	Remove & Replace with 6-inch Non-Reinforced Concrete Driveway Approach	500	SFT	\$8.20	\$4,100.00
12	Remove & Replace with 7-inch Non-Reinforced Concrete Driveway Approach	440	SFT	\$8.70	\$3,828.00
13	Remove & Replace with 8-inch Non-Reinforced Concrete Driveway Approach	540	SFT	\$8.90	\$4,806.00
14	Remove & Replace with 7-inch ADA Concrete Sidewalk Ramp & Detectable Warning Marker	210	SFT	\$8.60	\$1,806.00
15	Remove & Replace with 7-inch Non-Reinforced Concrete Pavement	55	SYD	\$270.00	\$14,850.00
16	Remove & Replace with 8-inch Non-Reinforced Concrete Driveway Approach	45	SYD	\$288.00	\$12,960.00
Category 2 - 2023 City At Large Work					
1	Mobilization	1	LSUM	\$0.00	\$0.00
2	Traffic Maintenance & Control	1	LSUM	\$0.00	\$0.00
4	Structure, Adjust	2	EACH	\$250.00	\$500.00
5	Structure, Frame & Cover	2	EACH	\$250.00	\$500.00
6	Sanitary Structure, External Seal	2	EACH	\$500.00	\$1,000.00
3	Remove & Replace Concrete Curb & Gutter	45	LFT	\$35.00	\$1,575.00
7	Remove & Replace with 4-inch Concrete Sidewalk	4000	SFT	\$6.90	\$27,600.00
8	Remove & Replace with 6-inch Concrete Sidewalk	1500	SFT	\$8.20	\$12,300.00
9	Remove & Replace with 7-inch Concrete Sidewalk	100	SFT	\$8.70	\$870.00
10	Remove & Replace with 8-inch Concrete Sidewalk	100	SFT	\$8.90	\$890.00
11	Remove & Replace with 6-inch Non-Reinforced Concrete Driveway Approach	300	SFT	\$8.20	\$2,460.00
12	Remove & Replace with 7-inch Non-Reinforced Concrete Driveway Approach	300	SFT	\$8.70	\$2,610.00
13	Remove & Replace with 8-inch Non-Reinforced Concrete Driveway Approach	200	SFT	\$8.90	\$1,780.00
14	Remove & Replace with 7-inch ADA Concrete Sidewalk Ramp & Detectable Warning Marker	145	SFT	\$8.60	\$1,247.00
15	Remove & Replace with 7-inch Non-Reinforced Concrete Pavement & Integral Straight Curb	55	SYD	\$270.00	\$14,850.00
16	Remove & Replace with 8-inch Non-Reinforced Concrete Pavement & Integral Straight Curb	45	SYD	\$288.00	\$12,960.00
TOTAL 2023 BID AMOUNT					\$211,017.00
TOTAL 2024 BID AMOUNT WITH MAXIMUM 3% INCREASE					\$211,017.00
TOTAL 2025 BID AMOUNT WITH MAXIMUM 3% INCREASE					\$217,347.51
GRAND TOTAL 2023-2025 BID AMOUNT					\$639,381.51

* = Correction in bid calculations determined by HEI

Great Lakes Contracting Solutions		Q3 Contracting, Inc.		GV Cement Contracting Company	
2300 Edinburgh Waterford, MI 48328		3066 Spruce St. Little Canada, MN 55117		20000 Dix-Toledo Hwy Brownstown Twp, MI 48183	
Unit Price in Figures	Line Total	Unit Price in Figures	Line Total	Unit Price in Figures	Line Total
\$8,000.00	\$8,000.00	\$11,184.00	\$11,184.00	\$10,000.00	\$10,000.00
\$3,200.00	\$3,200.00	\$1,319.18	\$1,319.18	\$10,000.00	\$10,000.00
\$550.00	\$1,100.00	\$1,086.21	\$2,172.42	\$800.00	\$1,600.00
\$650.00	\$1,300.00	\$2,506.44	\$5,012.88	\$800.00	\$1,600.00
\$575.00	\$1,150.00	\$1,087.78	\$2,175.56	\$900.00	\$1,800.00
\$56.50	\$3,559.50	\$41.13	\$2,591.19	\$55.00	\$3,465.00
\$10.00	\$80,000.00	\$11.10	\$88,800.00	\$15.00	\$120,000.00
\$11.50	\$34,500.00	\$16.45	\$49,350.00	\$16.00	\$48,000.00
\$12.00	\$2,400.00	\$19.15	\$3,830.00	\$17.00	\$3,400.00
\$12.75	\$2,550.00	\$21.88	\$4,376.00	\$18.00	\$3,600.00
\$11.50	\$5,750.00	\$16.51	\$8,255.00	\$16.00	\$8,000.00
\$12.00	\$5,280.00	\$19.23	\$8,461.20	\$17.00	\$7,480.00
\$12.75	\$6,885.00	\$21.87	\$11,809.80	\$18.00	\$9,720.00
\$20.00	\$4,200.00	\$61.75	\$12,967.50	\$22.00	\$4,620.00
\$84.50	\$4,647.50	\$179.72	\$9,884.60	\$80.00	\$4,400.00
\$89.50	\$4,027.50	\$204.68	\$9,210.60	\$85.00	\$3,825.00
\$5,000.00	\$5,000.00	\$8,097.48	\$8,097.48	\$10,000.00	\$10,000.00
\$3,500.00	\$3,500.00	\$1,319.18	\$1,319.18	\$10,000.00	\$10,000.00
\$550.00	\$1,100.00	\$1,086.21	\$2,172.42	\$800.00	\$1,600.00
\$650.00	\$1,300.00	\$2,248.48	\$4,496.96	\$800.00	\$1,600.00
\$575.00	\$1,150.00	\$1,087.78	\$2,175.56	\$900.00	\$1,800.00
\$57.00	\$2,565.00	\$48.85	\$2,198.25	\$55.00	\$2,475.00
\$10.50	\$42,000.00	\$11.08	\$44,320.00	\$15.00	\$60,000.00
\$12.00	\$18,000.00	\$16.45	\$24,675.00	\$16.00	\$24,000.00
\$12.00	\$1,200.00	\$18.82	\$1,882.00	\$17.00	\$1,700.00
\$12.75	\$1,275.00	\$22.09	\$2,209.00	\$18.00	\$1,800.00
\$11.50	\$3,450.00	\$16.66	\$4,998.00	\$16.00	\$4,800.00
\$12.00	\$3,600.00	\$19.20	\$5,760.00	\$17.00	\$5,100.00
\$12.75	\$2,550.00	\$21.83	\$4,366.00	\$18.00	\$3,600.00
\$20.00	\$2,900.00	\$63.88	\$9,262.60	\$22.00	\$3,190.00
\$84.50	\$4,647.50	\$172.71	\$9,499.05	\$82.00	\$4,510.00
\$89.50	\$4,027.50	\$196.68	\$8,850.60	\$87.00	\$3,915.00
	\$266,814.50		\$367,682.03		\$381,600.00
	\$274,818.94		\$378,712.49		\$393,048.00
	\$283,063.50		\$390,073.87		\$404,839.44
	\$824,696.94		\$1,136,468.39		\$1,179,487.44

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



City of Southgate

- CITY COUNCIL -

ZOEY KUSPA
Council President

CHRISTIAN GRAZIANI

KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

June 13, 2024

To the Honorable
City Council
Southgate, Michigan 48195

Re: Approve Installation of Fire Department Weight Room Air Conditioner

Ladies and Gentlemen:

It is recommended by the Fire Chief and I concur with his recommendation to approve the quotation from Flo-Aire Heating, Cooling & Electrical for the installation of a new air conditioning unit in the fire department weight room in the amount of \$7,982.00.

Sufficient funds are available in the Fire Department.

Your favorable consideration of this matter is requested.

Sincerely,

Joseph G. Kuspa
Mayor

JGK/law

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



City of Southgate

- CITY COUNCIL -

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KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

MEMORANDUM

TO: Honorable Mayor and City Council
FROM: Douglas Drysdale, Assistant City Administrator / Finance Director *DWD*
DATE: June 13, 2024
RE: Recommendation to Approve Installation of Fire Dept Weight Room Air Conditioner

I have reviewed the above quote with the Fire Chief and concur with his recommendation to approve the quote from Flo-Aire Heating, Cooling & Electrical (Southgate MI) for the installation of a new air conditioning unit in the fire station's weight room in the amount of \$7,982.00.

Adequate funding for this purchase is available in the Fire Dept budget.

Proposed Motion

Approve quote from Flo-Aire Heating, Cooling & Electrical for installation of new air conditioning unit in the fire station weight room in the amount of \$7,982.00.

Southgate Fire Department



14730 Reaume Parkway
Southgate, Michigan 48195

(734) 258-3080 / FAX (734) 246-1352

Justin Graves, Fire Chief

(734) 258-3070

jgraves@southgatemi.gov



To: Honorable Mayor Kuspa

From: Fire Chief Justin Graves

Re: Request to purchase AC unit for weight room

Date: 06/13/2024

Dear Mayor,

The Fire Department is requesting to use Flo-Aire to install a new air conditioning unit in the station's weight room. Flo-Aire is the approved HVAC contractor for the City and the quote received to complete this project is \$7,982.00.

Year round training and fitness is vital in performing the extremely physical duties and activities required in the profession. Currently there is no air conditioning in the weight room and during the summer months, it becomes unbearably hot and discourages working-out.

It is my recommendation and in the best interest of the Fire Department that we use Flo-Aire, located at 15761 Eureka, to install a new air conditioning unit in the Fire Department's weight room. Adequate funding is available within the Fire Department budget.

Sincerely,

A handwritten signature in black ink, appearing to read "Justin Graves".

Justin Graves

Fire Chief



Flo-Aire Heating & Cooling

15761 Eureka Road | Southgate, Michigan 48195
734-285-1809 | accounting@flo-aire.com |
<https://floaireheatingcooling.com/>

RECIPIENT:

City of Southgate D.P.S.

14719 Schafer Ct.
Southgate, MI 48195

Phone: 734-341-9477

SERVICE ADDRESS:

Fire Department
14730 Reaume Parkway
Southgate, MI 48195

Quote #1209

Sent on May 30, 2024

Total \$7,982.00

Product/Service	Description	Qty.	Unit Price	Total
Bryant Mini split	We will 2 ton heat pump mini split high wall unit for weight room with condenser mounted on roof run electrical circuit to unit from panel in compressor room set on stand on roof Cond.model#38MARBQ24AA3 Indoor model# 619AHBQ24xA3	1	\$7,982.00	\$7,982.00

Total **\$7,982.00**

This quote is valid for the next 15 days, after which values may be subject to change.

Payment due in full upon completion.

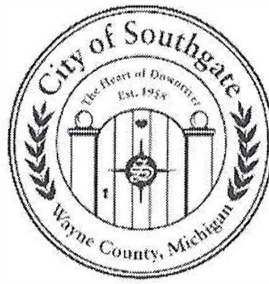
***Flo-Aire is not liable for theft or damage after equipment is set in place.

Signature: _____ Date: _____

JOSEPH G. KUSPA
Mayor

JANICE M. FERENCZ
City Clerk

CHRISTOPHER P. ROLLET
Treasurer



- CITY COUNCIL -

ZOEY KUSPA
Council President

CHRISTIAN GRAZIANI

KAREN E. GEORGE

PHILLIP J. RAUCH

PRISCILLA AYRES-REISS

GREG KOWALSKY

ED GAWLIK JR.

City of Southgate

Memorandum

To: Honorable City Council Members

From: Dan Marsh, City Administrator *DM*

Date: June 13, 2024

Re: Senior Alliance Annual Implementation Plan

As of this year, the State of Michigan Department of Health and Human Services no longer requires the Senior Alliance to request a Council resolution approving their Annual Implementation Plan (AIP). Within the AIP, the Senior Alliance outlines their goals, objectives, and funding for the next year. For those interested in viewing the report, it is available on the Senior Alliance website: <https://thesenioralliance.org>.