



# URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:

<http://www.cityofmadison.com/planning/documents/UDCApplication.pdf>

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: <u>September 7, 2016</u>	<input type="checkbox"/> Informational Presentation
UDC Meeting Date: <u>September 21, 2016</u>	<input type="checkbox"/> Initial Approval
Combined Schedule Plan Commission Date (if applicable): <u>August 8, 2016 (Approved)</u>	<input checked="" type="checkbox"/> Final Approval

1. Project Address: 114 Milky Way, Madison, WI  
Project Title (if any): \_\_\_\_\_

2. This is an application for (Check all that apply to this UDC application):

☐ New Development ☐ Alteration to an Existing or Previously-Approved Development

**A. Project Type:**

- ☐ Project in an Urban Design District\* (public hearing-\$300 fee)  
☐ Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) (\$150 fee, Minor Exterior Alterations)  
☐ Suburban Employment Center (SEC) or Campus Institutional District (CI) or Employment Campus District (EC)  
☐ Planned Development (PD)  
☐ General Development Plan (GDP)  
☐ Specific Implementation Plan (SIP)  
☒ Planned Multi-Use Site or Planned Residential Complex

**B. Signage:**

- ☐ Comprehensive Design Review\* (public hearing-\$300 fee) ☐ Street Graphics Variance\* (public hearing-\$300 fee)  
☐ Signage Exception(s) in an Urban Design District (public hearing-\$300 fee)

**C. Other:**

☐ Please specify: \_\_\_\_\_

**3. Applicant, Agent & Property Owner Information:**

Applicant Name: Kevin Newell  
 Street Address: 716 N. Plankinton Ave, Suite 1000  
 Telephone: (414) 847-6275 Fax: ( ) \_\_\_\_\_

Company: Royal Capital Group  
 City/State: Milwaukee/WI Zip: 53203  
 Email: K.Newell@RoyalCapital.Net

Project Contact Person: Brian Munson  
 Street Address: 120 East Lakeside Street  
 Telephone: (608) 255-3988 Fax: (608) 255-0814

Company: Vandewalle & Associates  
 City/State: Madison/WI Zip: 53715  
 Email: b.munson@Vandewalle.Com

Project Owner (if not applicant): \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
 Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Email: \_\_\_\_\_

**4. Applicant Declarations:**

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Al Martin on April 15, 2016  
(name of staff person) (date of meeting)

B. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of Applicant: Kevin Newell Relationship to Property: Developer/owner  
 Authorized Signature: [Signature] Date: 9/6/2016



# VANDEWALLE & ASSOCIATES INC.

September 6, 2016

Christopher Wells  
Department of Planning & Development  
City of Madison  
215 Martin Luther King, Jr. Blvd.  
Madison, WI 53710-2985

RE: Royal Capital: 114 Milky Way Property  
CUP: Residential Complex

Dear Chris,

The following document and illustrative graphics outline the request for Conditional Use Permit: Residential Complex (CUP) zoning for the Royal Capital Milky Way Property. The proposed development request 94 residential units within 6 stacked flat buildings with a central courtyard and clubhouse, per the attached plans.

We look forward to working with the City on the review and implementation of this project.

Sincerely,

Brian Munson  
Principal

## Applicant

### Royal Capital Group

710 North Plankinton Street

Suite 1100

Milwaukee, WI 53203

Phone: 414.847.6275

Fax: 414.915.8080

Kevin Newell

[Kevin.Newell@royal-cg.com](mailto:Kevin.Newell@royal-cg.com)

Terrell Walter

[Terrell.Walter@royal-cg.com](mailto:Terrell.Walter@royal-cg.com)

## Design Team

Architecture:

Engberg Anderson Design Partnership

611 North Broadway

Suite 517

Milwaukee, WI 53202-5004

Phone: 414.944.9000

Fax: 414.944.9100

Mark Ernst

[marke@engberganderson.com](mailto:marke@engberganderson.com)

Amanda Koch

[amandak@engberganderson.com](mailto:amandak@engberganderson.com)

Planning:

Vandewalle & Associates

120 East Lakeside Street

Madison, Wisconsin 53715

Phone: 608.255.3988

Fax: 608.255.0814

Brian Munson

[bmunson@vandewalle.com](mailto:bmunson@vandewalle.com)

Engineering & Landscape Architecture:

D'Onofrio Kottke

7530 Westward Way

Madison, WI 53717

Phone: 608.833.7530

Fax: 608.833.1089

Dan Day

[dday@donofrio.cc](mailto:dday@donofrio.cc)

Matt Saltzberry

[msaltzberry@donofrio.cc](mailto:msaltzberry@donofrio.cc)

## Existing Conditions

Existing Zoning:

TR-U1

Proposed Zoning:

TR-U1

CUP: Residential Complex

Addresses/PIN:

114 Milky Way

071002301019

Aldermanic District:

District 3: Alder Hall

Neighborhood Association:

McClelland Park Neighborhood

Neighborhood Plan:

Medium Density Residential

Notifications:	Alder Hall	April 8, 2016
	McClelland Park/Sprecher East Neighborhood	April 8, 2016
	DAT Presentation	April 15, 2016
	Neighborhood Meeting	April 27, 2016
	UDC Informational Presentation	May 11, 2016
Legal Description:	See Attached	
Lot Area:	5.02 acres	

## Proposed Use:

Proposed Use: 94 units Residential

## Proposed Yards:

Front Yard:	As shown on approved site plan
Side Yard:	As shown on approved site plan
Min. Building Separation:	As shown on approved site plan
Rear Yard:	As shown on approved site plan
Open Space:	As shown on approved site plan

## Conditional Use Standards

*1. The establishment, maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, or general welfare.*

The proposed changes will allow the completion of the planned residential project in a form that is compatible with the existing and surrounding development.

*2. The City is able to provide municipal services to the property where the conditional use is proposed, given due consideration of the cost of providing those services.*

The site is currently served by municipal services and the overall unit count will be slightly reduced.

*3. The uses, values and enjoyment of other property in the neighborhood for purposes already established will not be substantially impaired or diminished in any foreseeable manner.*

The proposed uses are complimentary to the surrounding neighborhood.

*4. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.*

The proposed conditional use will not impede any adjoining properties from developing.

*5. Adequate utilities, access roads, drainage, parking supply, internal circulation improvements, including but not limited to vehicular, pedestrian, bicycle, public transit and other necessary site improvements have been or are being provided.*

This parcel was designed to accommodate the proposed development and the completion of the site will not impact any of the site improvements.



*6. Measures, which may include transportation demand management (TDM) and participation in a transportation management association have been or will be taken to provide adequate ingress and egress, including all off-site improvements, so designed as to minimize traffic congestion and to ensure public safety and adequate traffic flow, both on-site and on the public streets.*

Adequate measures are already established to minimize traffic congestion from the site.

*7. The conditional use conforms to all applicable regulations of the district in which it is located.*

The proposed use is consistent with the TR-U1 district.

*8. When applying the above standards to an application by a community living arrangement, the Plan Commission shall: a. Bear in mind the City general intent to accommodate community living arrangements. b. Exercise care to avoid an over-concentration of community living arrangements, which could create an institutional setting and seriously strain the existing social structure of a community. Considerations relevant for this determination are the distance between the proposed facility and other such facilities, the capacity of the proposed facility and the by which the facility will increase the population of the community, the total capacity of all community living arrangements in the community, the impact on the community of other community living arrangements, the success or failure of integration into communities of other such facilities operated by the individual or group seeking approval, and the ability of the community to meet the special needs, if any, of the applicant facility.*

Not Applicable

*9. When applying the above standards to any new construction of a building or an addition to an existing building the Plan Commission: a. Shall bear in mind the statement of purpose for the zoning district, and b. May require the applicant to submit plans to the Urban Design Commission for comment and recommendation.*

The proposed uses are consistent with the statement of purpose for the TR-U1 district and the surrounding development character.

*10. When applying the above standards to an application for a reduction in off-street parking requirements, the Plan Commission shall consider and give decisive weight to all relevant facts, including but not limited to, the availability and accessibility of alternative parking; impact on adjacent residential neighborhoods; existing or potential shared parking arrangements; number of residential parking permits issued for the area; proximity to transit routes and/or bicycle paths and provision of bicycle racks; the proportion of the total parking required that is represented by the requested reduction; the proportion of the total parking required that is decreased by Sec. 28.141. The characteristics of the use, including hours of operation and peak parking demand times design and maintenance of off-street parking that will be provided; and whether the proposed use is now or a small addition to an existing use.*

All units will include individual garages and additional off-street stalls are included on the proposed site plan to serve visitors to the existing and proposed units.

*11. When applying the above standards to telecommunication facilities, the Plan Commission shall consider the review of the application by a professional engineer required by Sec. 28.143. 12. When applying the above standards to an application for height in excess of that allowed in the district, the Plan Commission shall consider recommendations in adopted plans; the impact on surrounding properties, including height, mass, orientation, shadows and view; architectural quality and amenities; the relationship of the proposed building(s) with adjoining streets, alleys, and public rights of ways; and the public interest in exceeding the district height limits.*

Not applicable.

*13. When applying the above standards to lakefront development under Sec. 28.138, the Plan Commission shall consider the height and bulk of principal buildings on the five (5) developed lots or three hundred (300) feet on either side of the lot with the proposed development.*

Not applicable.

*14. When applying the above standards to an application for height in excess of that allowed by Section 28.071(2)(a) Downtown Height Map for a development located within the Additional Height Areas identified in Section 28.071(2)(b), the Plan Commission shall consider the recommendations in adopted plans, and no application for excess height shall be granted by the Plan Commission unless it finds that all of the following conditions are present: a. The excess height is compatible with the existing or planned (if the recommendations in the Downtown Plan call for changes) character of the surrounding area, including but not limited to the scale, mass, rhythm, and setbacks of buildings and relationships to street frontages and public spaces. b. The excess height allows for a demonstrated higher quality building than could be achieved without the additional stories. c. The scale, massing and design of new buildings complement and positively contribute to the setting of any landmark buildings within or adjacent to the projects and create a pleasing visual relationship with them. For projects proposed in priority viewsheds and other views and vistas identified on the Views and Vistas Map in the City of Madison Downtown Plan, there are no negative impacts on the viewshed as demonstrated by viewshed studies prepared by the applicant.*

Not applicable.

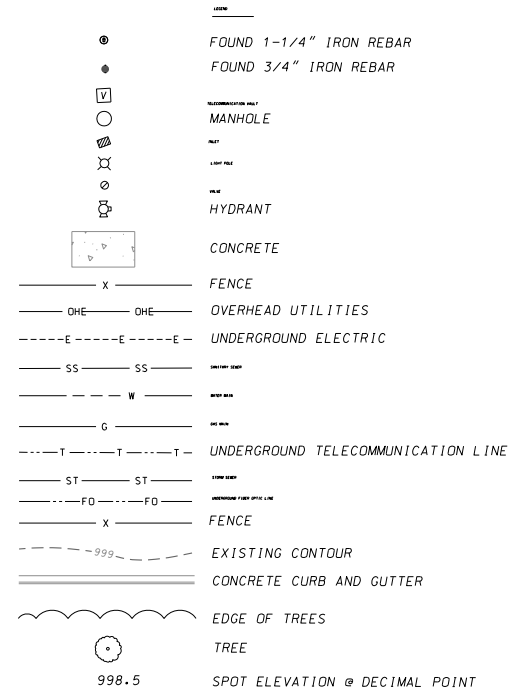
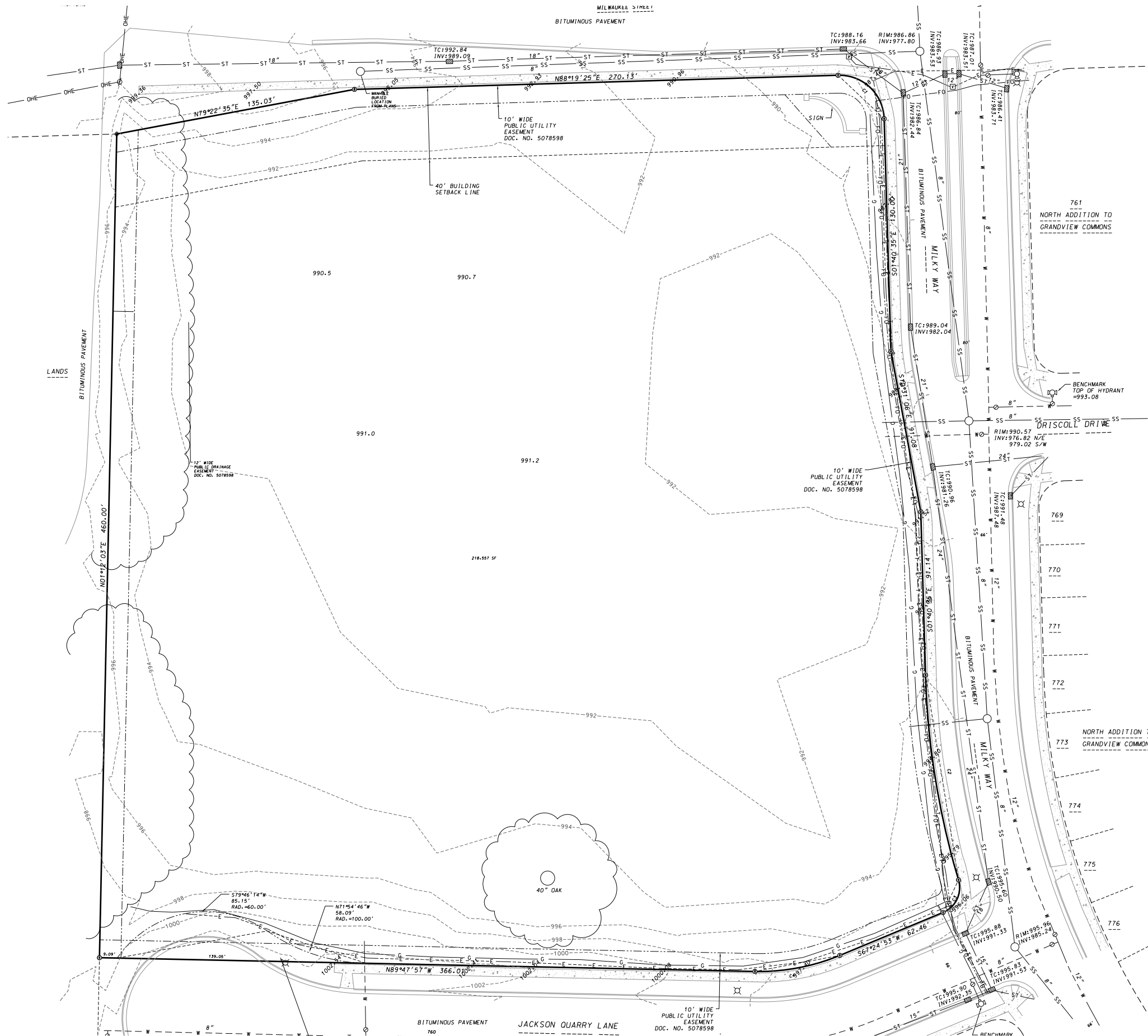
*15. When applying the above standards to an application to redevelop a site that was occupied on January 1, 2013 by a building taller than the maximum building height allowed by Section 28.071(2)(a) Downtown Height Map, as provided by Section 28.071(2)(a)1., no application for excess height shall be granted by the Plan Commission unless it finds that all the following additional conditions are also present: a. The new building is entirely located on the same parcel as the building being replaced. b. The new building is not taller in stories or in feet than the building being replaced. c. The new building is not larger in total volume than the building being replaced. d. The new building is consistent with the design standards in Section 28.071(3) and meets all of the dimensional standards of the zoning district other than height. e. The Urban Design Commission shall review the proposed development and make a recommendation to the Plan Commission.*

Not applicable.

## **LEGAL DESCRIPTION**

Lot 760, North Addition to Grandview Commons, recorded in Volume 60-027B of Plats on pages 137-143 as Document Number 5078598, Dane County Registry, located in the NE1/4 of the SW1/4 of Section 2, T7N, R10E, City of Madison, Dane County, Wisconsin.

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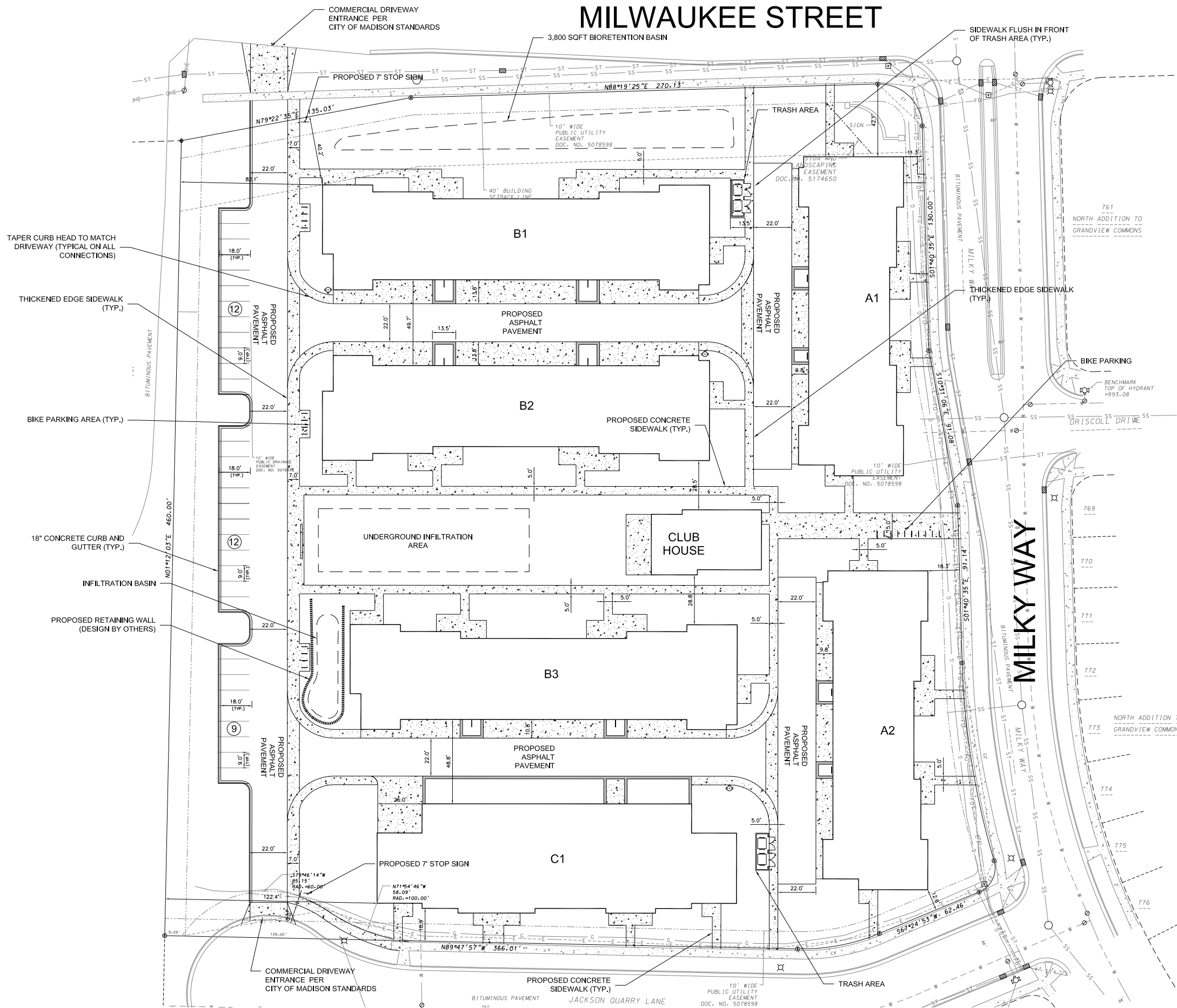
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## 114 MILKY WAY

DIMENSIONAL SITE PLAN

Scale: 0' 30'

# MILWAUKEE STREET



### GENERAL NOTES

1. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED.
3. BUILDING CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY
4. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
5. CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS AWAY FROM BUILDING FOUNDATIONS DURING FINAL RESTORATION
6. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED
7. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR

SITE PLAN INFORMATION BLOCK 114 MILKY WAY	
TOTAL LOT AREAS	5.0 AC ±
EXISTING TOTAL IMPERVIOUS AREA	0 SF ±
PROPOSED TOTAL IMPERVIOUS AREA	128,940 SF ±
PROPOSED BUILDING AREA	66,880 SF ±
SURFACE PARKING STALLS	33



**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
7530 Westward Way, Madison, WI 53717  
Phone: 608.833.7530 • Fax: 608.833.1089  
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

09/07/16

EA Project No.

162586.00

# C101

**ROYAL CAPITAL**  
Group LLC

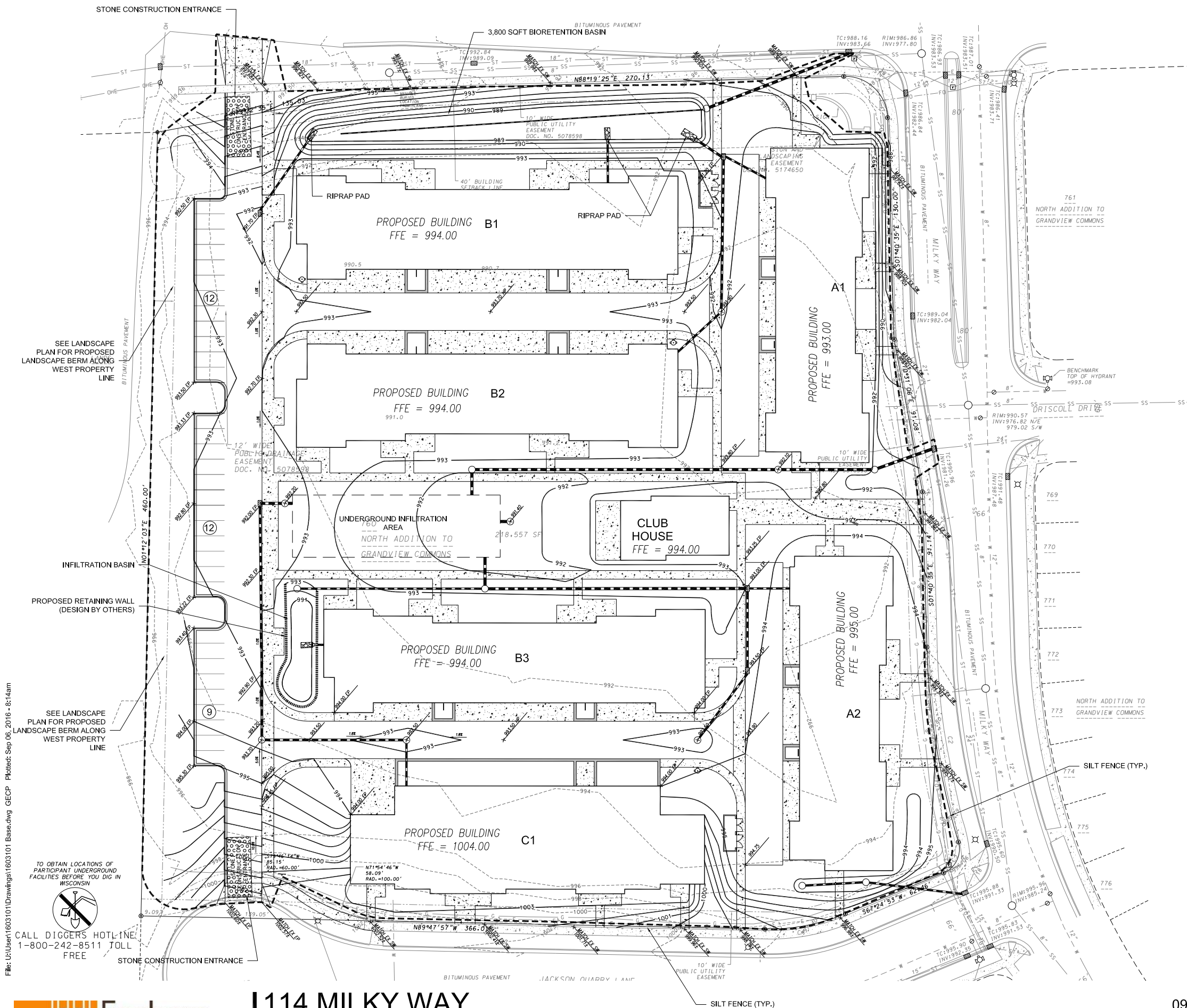


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# 114 MILKY WAY

GRADING AND EROSION CONTROL PLAN

Scale: 0' 30'



## LEGEND

- PROPOSED CONTOUR
- EXISTING CONTOUR
- SPOT ELEVATION
  - EP - EDGE OF PAVEMENT
  - FFE - FINISHED FLOOR ELEVATION
  - TC - TOP OF CURB
  - TW - TOP OF WALL (GROUND ELEVATION)
  - BW - BOTTOM OF WALL (GROUND ELEVATION)
  - HP - HIGHPOINT
- LIMITS OF DISTURBANCE
- SILT FENCE/SILT SOCK
- FLOW ARROW
- RETAINING WALL (DESIGN BY OTHERS)

### GENERAL NOTES

- ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
- CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED.
- BUILDING CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY
- IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS AWAY FROM BUILDING FOUNDATIONS DURING FINAL RESTORATION
- ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR

### GRADING AND EROSION CONTROL NOTES:

- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS.
- INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS.
- EROSION CONTROL MEASURES INDICATED ON THE PLANS SHALL BE CONSIDERED MINIMUMS. IF DETERMINED NECESSARY DURING CONSTRUCTION ADDITIONAL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
- INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
- NO SITE GRADING OUTSIDE OF THE LIMITS OF DISTURBANCE
- EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER
- INSTALL INLET PROTECTION IN ALL STORM SEWER INLETS AND CATCH BASINS THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS
- CUT AND FILL SLOPES SHALL BE NO GREATER THAN 2:1
- SLOPES EXCEEDING 4:1 SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING AND ALL DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING.
- ALL INCIDENTAL MUD TRACKING OFF-SITE ONTO ADJACENT PUBLIC THOROUGHFARES SHALL BE CLEANED UP AND REMOVED BY THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.
- ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 DAYS SHALL BE STABILIZED WITH TEMPORARY STABILIZATION METHODS SUCH AS TEMPORARY SEEDING, SOIL TREATMENT, EROSION MATTING, OR MULCH
- PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
- AT A MINIMUM ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL, FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 1000 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1 1/2 POUNDS PER 1000 SQFT SHALL BE ADDED TO THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST. THE BIORETENTION BASINS SHALL BE PLANTED WITH NATIVE SPECIES TOLERANT OF FLUCTUATING WATER CONDITIONS. SEE LANDSCAPE PLAN FOR A MORE DETAILED PLANTING PLAN AND LANDSCAPE DETAILS.
- DEWATERING, IF APPLICABLE, SHALL BE CONDUCTED PER WDNR STORM WATER MANAGEMENT TECHNICAL STANDARD 1061.

### SEQUENCE/ ANTICIPATED TIME SCHEDULE

- INSTALL EROSION CONTROL
- ROUGH SITE GRADING, BEGIN BUILDING CONSTRUCTION
- FINE GRADING, CONCRETE CURB AND GUTTER, ASPHALT, CONCRETE UTILITIES, RETAINING WALL, AND BUILDING CONSTRUCTION.
- RESPREAD TOPSOIL AND FINAL RESTORATION
- REMOVE EROSION CONTROL WHEN SITE HAS BECOME STABILIZED.



**D'ONOFRIO KOTTKE AND ASSOCIATES, INC.**  
7530 Westward Way, Madison, WI 53717  
Phone: 608.833.7530 • Fax: 608.833.1089  
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LIMITS OF DISTURBANCE = 217,200 SQFT

09/07/16

EA Project No.

162586.00

# C102

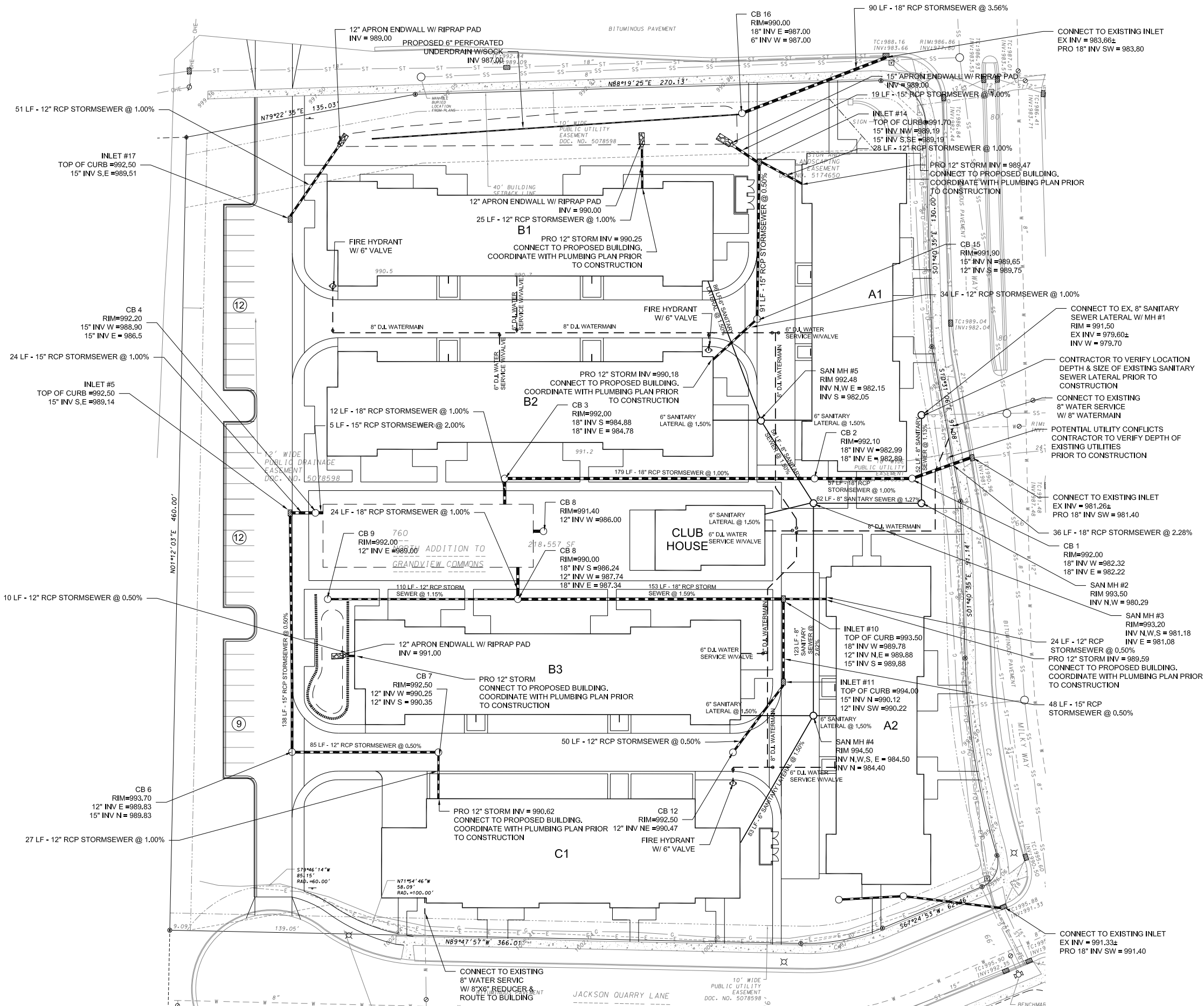
**ROYAL CAPITAL**  
Group LLC

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## 114 MILKY WAY

UTILITY PLAN

Scale: 0' 30'



### GENERAL NOTES

1. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED.
3. BUILDING CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY
4. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
5. CONTRACTOR SHALL ENSURE THAT ALL STORMWATER DRAINS AWAY FROM BUILDING FOUNDATIONS DURING FINAL RESTORATION
6. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED
7. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR

### SITE UTILITY NOTES

1. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. PROTECTION OF EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY.
2. CONTRACTOR TO VERIFY LOCATION DEPTH & SIZE OF EXISTING WATER, STORM AND SEWER PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO VERIFY AND COORDINATE SANITARY, STORM AND WATER SERVICE CONNECTION LOCATION WITH ARCHITECTURAL PLUMBING PLAN.
4. CONTRACTOR TO COORDINATE ELECTRIC, GAS, PHONE & CABLE INSTALLATION WITH THE RESPECTIVE UTILITY COMPANIES.
5. UTILITY CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND UTILITY GRADES AND NOTIFY THE PROJECT SUPERINTENDENT IF A CONFLICT ARISES WITH THE INSTALLATION OF NEW UTILITIES.
6. ALL WATER SERVICES AND HYDRANTS SHALL BE INSTALLED WITH A VALVE.
7. ALL STORM CATCHBASINS TO BE 48" DIAMETER WITH NEENAH R-2501 INLET FRAME, GRATE WITH TYPE G LID UNLESS NOTED AS SOLID LID ON PLAN
8. ALL STORM CURB INLETS TO BE 2'X3' INLET BOXES WITH NEENAH R-3067 COMBINATION INLET FRAME, GRATE, CURB BOX WITH TYPE C LID



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09/07/16

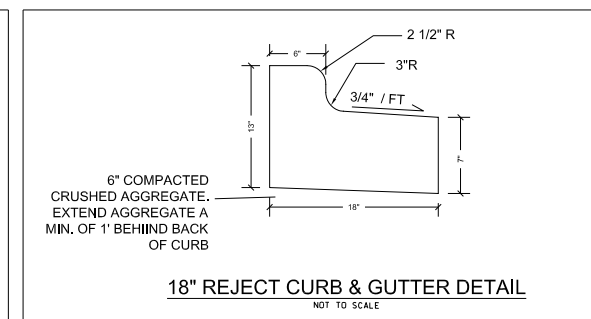
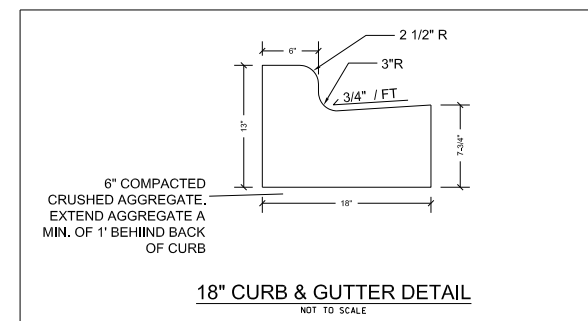
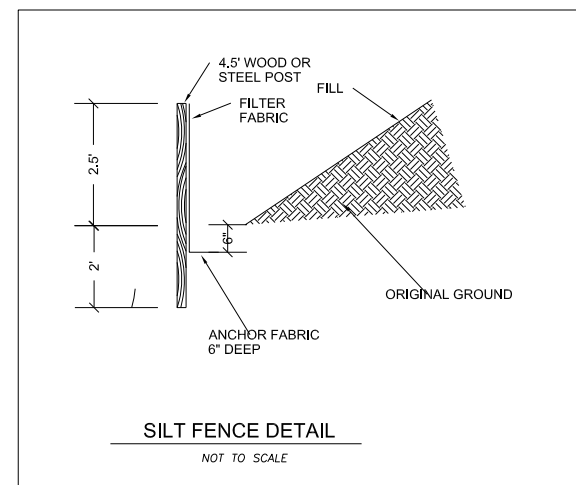
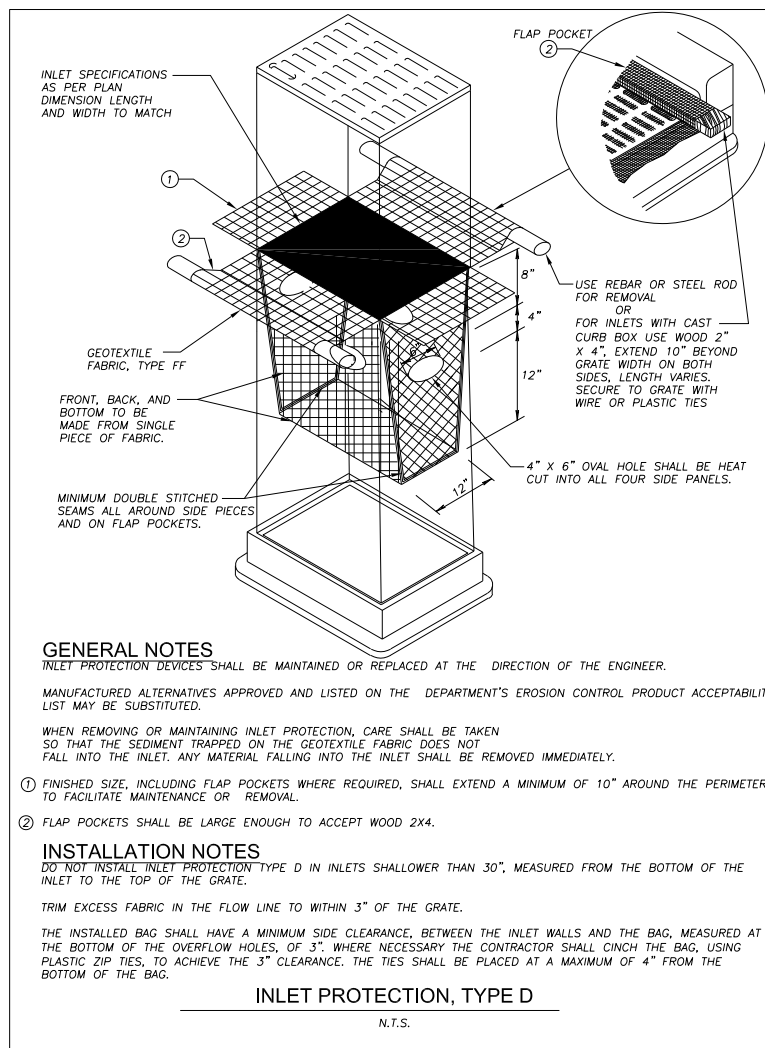
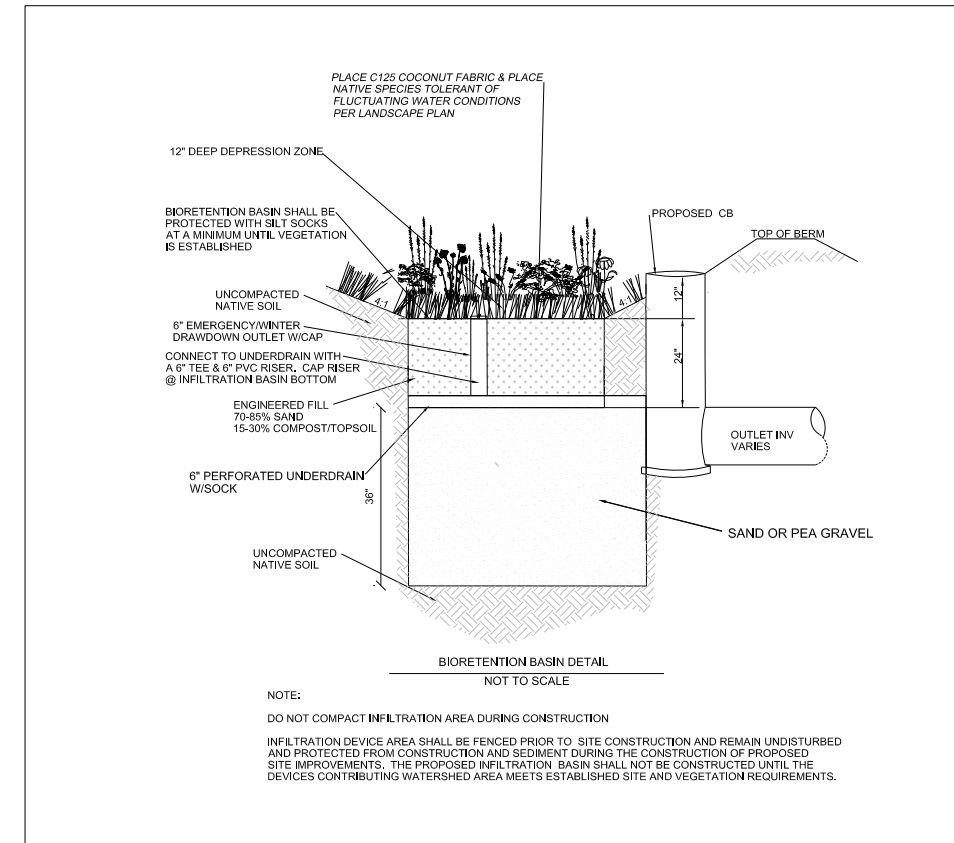
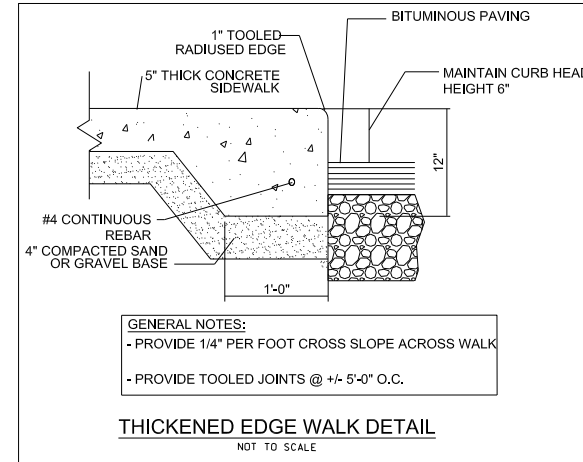
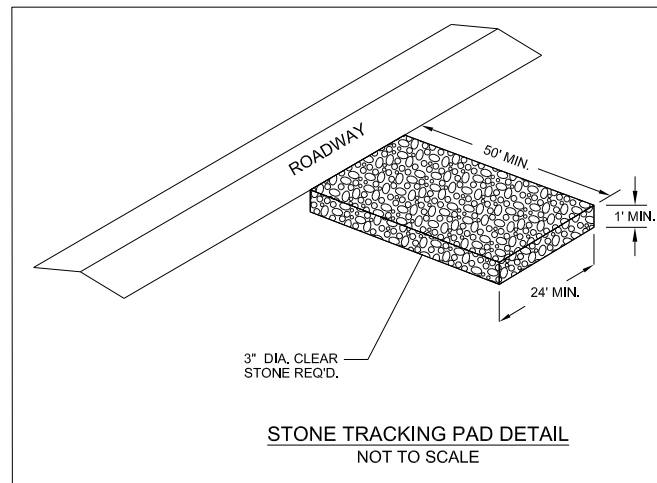
EA Project No.

162586.00

# C103

**ROYAL CAPITAL**  
Group LLC







File: U:\User\160310\Drawings\160310\1 Landscape.dwg Overall GECP Plotted: Sep 02, 2016 - 11:58pm

SITE LANDSCAPE PLAN - GENERAL NOTES

- CONTACT DIGGER'S HOTLINE 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL THE PRIVATE UTILITIES PRIOR TO THE START OF WORK.
- ALL LANDSCAPE BEDS SHALL CONTAIN A 3" DEPTH OF SHREDDED HARDWOOD MULCH CONTAINED BY LANDSCAPE EDGING.
- LANDSCAPE EDGING SHALL BE 3/16" x 4" ALUMINUM EDGING.
- ALL TREES IN TURF AREAS SHALL HAVE A 5' DIAMETER CIRCLE OF 3" DEPTH SHREDDED HARDWOOD BARK MULCH CONTAINED BY LANDSCAPE EDGING.
- ALL GENERAL LANDSCAPE AREAS BE SEEDED WITH LAWN SEED PER PER THE PROJECT MANUAL.
- ALL GENERAL LANDSCAPE AREAS SHALL HAVE A MINIMUM 6" COMPACTED DEPTH OF TOPSOIL.
- LAWN AREAS SHALL BE SEEDED WITH MADISON PARKS SEED MIX AS MANUFACTURED BY LA CROSSE SEED, LLC. PER MANUFACTURER'S SPECIFICATIONS.
- BIORETENTION BASINS SHALL BE PLANTED WITH RAINWATER RENEWAL GARDEN PLANT MIX AS MANUFACTURED BY AGRECOL NATIVE NURSERY. PLANTS SHALL BE FURNISHED IN 2" PLUGS AND SHALL BE PLANTED ON 8"-12" CENTERS OR PER MANUFACTURER'S SPECIFICATIONS.
- ALL LANDSCAPING SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON ZONING ORDINANCE.

HERBACEOUS PLANT SCHEDULE

Columbine  
Jack in the Pulpit  
White Woodland Aster  
Calico Aster  
Sweet Joe Pye Weed  
Wild Geranium  
Maple Leaved Alum Root  
Virginia Bluebells  
Wild Blue Phlox  
Solomon's Seal  
Wild Stonecrop  
Early Meadowrue  
Large Flowered Trillium  
Culver's Root  
Crooked Stem Aster  
Blue False Indigo  
Pale Purple Coneflower  
Purple Coneflower  
Prairie Blazingstar  
Smooth Penstemon  
Jacob's Ladder  
Marsh Phlox  
Orange Coneflower  
Sweet Black Eyed Susan

ORNAMENTAL GRASS SCHEDULE

Bottlebrush Grass  
Blue Joint Grass  
Prairie Dropseed  
Northern Sea Oats  
Little Bluestem  
Tufted Hair Grass

LANDSCAPE REQUIREMENTS SUMMARY

DEVELOPED AREA REQUIREMENT:

5 POINTS PER 300 SF OF DEVELOPED AREA  
GROSS DEVELOPED AREA = 162,434 SQ FT  
BUILDING FOOTPRINTS = 66,880 SQ FT  
NET DEVELOPED AREA = 95,554 SQ FT (2.19 ACRE)

TOTAL POINTS REQUIRED = 1,593 POINTS

POINTS PROVIDED = 4,596 POINTS

STREET FRONTAGE REQUIREMENT:

1 OVERSTORY TREE OR 2 EVERGREEN / ORNAMENTAL & 5 SHRUB PER 30 LF

MILWAUKEE STREET FRONTAGE = 396 FT

PLANTS REQUIRED = 13 OVERSTORY TREES OR  
26 EVERGREEN / ORNAMENTAL TREES  
66 SHRUBS  
PLANTS PROVIDED = 12 OVERSTORY TREES  
2 ORNAMENTAL TREES  
66 SHRUBS

MILKY WAY FRONTAGE = 420 FT

PLANTS REQUIRED = 14 OVERSTORY TREES OR  
28 EVERGREEN / ORNAMENTAL TREES  
70 SHRUBS  
PLANTS PROVIDED = 11 OVERSTORY TREES  
6 ORNAMENTAL TREES  
84 SHRUBS

JACKSON QUARRY LANE FRONTAGE = 420 FT

PLANTS REQUIRED = 14 OVERSTORY TREES OR  
28 EVERGREEN / ORNAMENTAL TREES  
70 SHRUBS  
PLANTS PROVIDED = 11 OVERSTORY TREES  
4 EVERGREEN TREES & 2 ORNAMENTAL TREES  
71 SHRUBS

PARKING LOT LANDSCAPING REQUIREMENT:

1 OVERSTORY TREE OR 2 ORNAMENTAL TREES PER 160 SQ FT OF REQUIRED AREA

TOTAL PARKING LOT AREA = 45,712 SQ FT

REQUIRED LANDSCAPED AREA = 3,617 SQ FT (8% TOTAL PARKING LOT AREA)

LANDSCAPED AREA PROVIDED = 4,621 SQ FT MIN

OVERSTORY TREES REQUIRED = 23 OVERSTORY TREES

OVERSTORY TREES PROVIDED = 23 OVERSTORY TREES

PLANT SCHEDULE

CODE	SCIENTIFIC NAME	COMMON NAME	QTY	PTS PER PLANT	SUB-TOTAL	SIZE	ROOT COND	NOTES
OVERSTORY DECIDUOUS TREES								
AFS	Acer x freemanii 'Sienna Glen'	Sienna Glen Maple	4	35	140	2.5"	B&B	
ARK	Acer rubrum 'Karpick'	Karpick Maple	5	35	175	2.5"	B&B	
BN	Betula nigra 'Improved Heritage'	Improved Heritage River Birch	3	35	105	8" TALL	B&B	MULTI-STEM
COP	Celtis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	4	35	140	2.5"	B&B	
CPS	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	5	35	175	2.5"	B&B	
FSD	Fagus sylvatica 'Dawcyk Purple'	Dawcyk Purple Beech	6	35	210	2.5"	B&B	
GBP	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	3	35	105	2.5"	B&B	
GTK	Gleditsia triacanthos 'Streetkeeper'	Streetkeeper Honeylocust	6	35	210	2.5"	B&B	
LL	Larix laricina	Tamarack	5	35	175	2.5"	B&B	
LTF	Liriodendron tulipifera 'Fastigiatum'	Columnar Tulip Poplar	5	35	175	2.5"	B&B	
NSW	Nyssa sylvatica 'Firestarter'	Firestarter Black Gum	2	35	70	2.5"	B&B	
PCC	Pyrus calleryana 'Chanticleer'	Cleveland Select Pear	6	35	210	2.5"	B&B	
PT	Populus tremuloides	Quaking Aspen	5	35	175	8" TALL	B&B	MULTI-STEM
TAR	Tilia americana 'Redmond'	Redmond Linden	6	35	210	2.5"	B&B	
QCS	Quercus 'Crimschmidt'	Crimson Spire Oak	9	35	315	2.5"	B&B	
QMS	Quercus macrocarpa	Bur Oak	1	35	35	2.5"	B&B	
UXA	Ulmus 'Accolade'	Accolade Elm	4	35	140	2.5"	B&B	
TALL EVERGREEN TREE								
AC	Abies concolor	Concolor Spruce	9	35	315	6" TALL	B&B	
PGD	Picea glauca v. densata	Black Hills Spruce	5	35	175	6" TALL	B&B	
ORNAMENTAL TREE								
AXG	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	6	15	90	6" TALL	B&B	MULTI-STEM
CC	Campinus caroliniana	Musclewood	7	15	105	6" TALL	B&B	MULTI-STEM
SRI	Syringa 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	6	15	90	6" TALL	B&B	MULTI-STEM
DECIDUOUS SHRUB								
FMM	Fothergilla major 'Mt. Airy'	Mt. Airy Fothergilla	6	3	18	24" TALL	POT	
HMA	Hydrangea 'All Summer Beauty'	All Summer Beauty Hydrangea	14	3	42	24" TALL	POT	
POA	Physocarpus opulifolius 'Amber Jubilee'	Amber Jubilee Ninebark	14	3	42	24" TALL	POT	
RTB	Rhus typhina 'Bailiger'	Tiger Eyes Sumac	9	3	27	36" TALL	POT	
SPM	Syringa 'Minuet'	Minuet Lilac	18	3	54	24" TALL	POT	
SJG	Spiraea japonica 'Gold Flame'	Goldflame Spiraea	14	3	42	12" TALL	POT	
SXM	Spiraea 'Magic Carpet'	Magic Carpet Spiraea	7	3	21	12" TALL	POT	
VDR	Viburnum dentatum 'Ralph Senior'	Autumn Jazz Viburnum	10	3	30	24" TALL	POT	
WHD	Weigela 'Dark Horse'	Dark Horse Weigela	28	3	84	12" TALL	POT	
WXM	Weigela 'Minuet'	Minuet Weigela	14	3	42	24" TALL	POT	
EVERGREEN SHRUB								
CPG	Chamaecyparis platifera 'Gold Mops'	Gold Mops False Cypress	19	4	76	12" TALL	POT	
JHI	Juniperus horizontalis 'Icee Blue'	Icee Blue Juniper	19	4	76	12" TALL	POT	
JHM	Juniperus horizontalis 'Motherlode'	Motherlode Juniper	42	4	168	12" TALL	POT	
JMG	Juniperus 'Sea of Gold'	Sea of Gold Juniper	4	4	16	24" TALL	POT	
MD	Microbiota decussata	Russian Arborvitae	10	4	40	12" TALL	POT	
PSB	Pinus strobus 'Blue Shag'	Blue Shag Dwarf Pine	15	4	60	12" TALL	POT	
RP	Rhododendron 'PJM'	PJM Rhododendron	9	4	36	24" TALL	POT	
TCJ	Tsuga canadensis 'Jeddahol'	Jeddahol Hemlock	6	4	24	24" TALL	POT	
TMT	Taxus x media 'Taunton'	Taunton Yew	30	4	120	24" TALL	POT	
DECIDUOUS VINES								
CV	Clematis virginiana	Woodbine	4	2	8	1 GAL	POT	
LXB	Lonicera x brownii 'Dropmore Scarlet'	Dropmore Scarlet Honeysuckle	6	2	12	1 GAL	POT	
HERBACEOUS PERENNIALS								
PA	Perovskia atriplicifolia	Russian Sage	9	2	18	1 GAL	POT	
				TOTAL:	4596	POINTS		

GROUND COVER LEGEND

- LAWN SEED
- AS MANUFACTURED BY AGRECOL
- BIORETENTION BASIN - RAINWATER RENEWAL GARDEN MIX AS MANUFACTURED BY AGRECOL
- ORNAMENTAL GRASSES & HERBACEOUS PERENNIALS - TBD
- BARK MULCH
- 18" WIDE WASHED STONE MAINTENANCE EDGE

D'ONOFRIO KOTKE AND ASSOCIATES, INC.

7530 Woodward Way, Madison, WI 53717  
Phone: 608.833.7530 • Fax: 608.833.1089

YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT







OVERSTORY TREES REQUIRED = 23 OVERSTORY TREES  
OVERSTORY TREES PROVIDED = 23 OVERSTORY TREES

1. CONTACT DIGGER'S HOTLINE 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL THE PRIVATE UTILITIES PRIOR TO THE START OF WORK.
3. ALL LANDSCAPE AREAS SHALL CONTAIN A 3" DEPTH OF SHREDED HARDWOOD MULCH CONTAINED BY LANDSCAPE EDGING.
4. LANDSCAPE EDGING SHALL BE 3/16" x 4" ALUMINUM EDGING.
5. ALL TREES IN TURF AREAS SHALL HAVE A 5" DIAMETER CIRCLE OF 3" DEPTH SHREDED HARDWOOD BARK MULCH CONTAINED BY LANDSCAPE EDGING.
6. ALL GENERAL LANDSCAPE AREAS BE SEEDDED WITH LAWN SEED PER PER THE PROJECT MANUAL.
7. ALL GENERAL LANDSCAPE AREAS SHALL HAVE A MINIMUM 6" COMPACTED DEPTH OF TOPSOIL.
8. LAWN AREAS SHALL BE SEEDDED WITH MADISON PARKS SEED MIX AS MANUFACTURED BY LA CROSSE SEED, LLC. PER MANUFACTURER'S SPECIFICATIONS.
9. PLANTATION BASINS SHALL BE PLANTED WITH RAINWATER RENEWAL GARDEN PLANT MIX AS MANUFACTURED BY AGRECOL NATIVE NURSERY. PLANTS SHALL BE FURNISHED IN 2" PLUGS AND SHALL BE PLANTED ON 8'-12" CENTERS OR PER MANUFACTURER'S SPECIFICATIONS.
10. ALL LANDSCAPING SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON ZONING ORDINANCE.

Scale: 





PROJECT DESCRIPTION:

The development consists of six residential buildings and a freestanding club house that will contain amenities for all of the residents to share. Four of the buildings face outward to the surrounding streets, while the remaining two buildings face an interior courtyard. There are a total of 94 dwelling units in the project, with a mix of two- and three-bedroom units catering to family living. Each unit can be accessed from both a front entry as well as an enclosed garage at the back of the building. The site is currently zoned TR-U1 for 100 units of multi-family housing and is seeking a Planned Residential Complex (Conditional Use) request to allow for building entry placements onto a central courtyard, in addition to the adjoining streets.

EXISTING SITE:

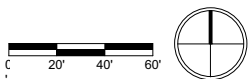
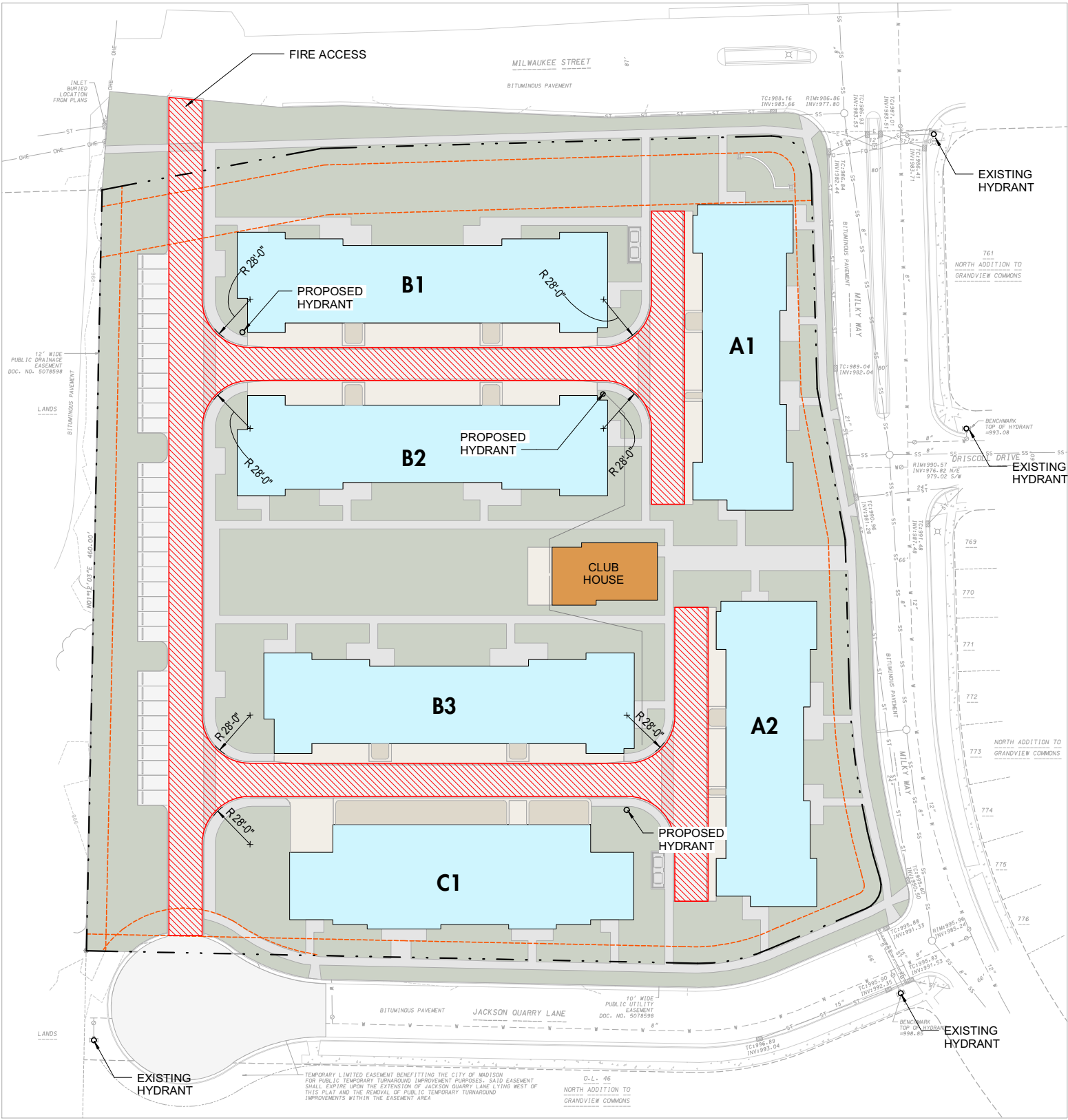
The site fronts onto Milwaukee Street at the northern entrance to the Grandview Commons Neighborhood. The majority of the site has been graded in anticipation of development and will need some fill to bring portions up to street grade. The existing tree line on the western edge of the site contains a variety of fence row trees with significant damage and little value. There is a large oak located in the center of the site along the Jackson Quarry Lane; however the tree (See photos above) exhibits significant damage along all sides of the base of the tree, the net result of which precludes preservation of the tree. The property to the west contains an active quarry and materials recycling operation and will need screening. The City of Madison owns the un-developed property south of Jackson Quarry Lane and is designated for future park uses. The sites along Milky Way are zoned for Four Unit multifamily along Milwaukee Street and alley accessed twin homes along Milky Way.

PARKING			
BUILDING A	13/BUILDING	26	
BUILDING B	16/BUILDING	48	
BUILDING C	31/BUILDING	31	
SURFACE	33	33	
TOTAL		138	
BICYCLE PARKING			
INTERIOR/ENCLOSED SPACES		94	
EXTERIOR SPACES		50	
TOTAL		144	
UNITS			
BUILDING A	13/BUILDING	26	
BUILDING B	16/BUILDING	48	
BUILDING C	20/BUILDING	20	
TOTAL		94	

UNIT MIX				
TYPE	AREA	BEDROOMS	BATHROOMS	QUANTITY
2A	840 SF	2	1	8
2B	925 SF	2	1	8
2C	975 SF	2	2	8
2D	865 SF	2	1	4
3A	940 SF	3	1	10
3B	1170 SF	3	1	10
3C	930 SF	3	1	12
3D	1050 SF	3	1	7
3E	1150 SF	3	1	7
3F	1050 SF	3	1	3
3G	1150 SF	3	1	3
3H	1365 SF	3	1	8
3J	1405 SF	3	1	2
3K	1230 SF	3	1	4
TOTAL 2BR UNITS				28
TOTAL 3BR UNITS				66
TOTAL UNITS IN DEVELOPMENT				94



- ACCESS TO 25% OF BUILDING PERIMETER, MAX. 30'-0" FROM DRIVE LANE
- 20'-0" MIN. WIDTH OF DRIVE LANE
- 28'-0" MIN. TURNING RADIUS AT INSIDE CORNER
- 150'-0" MAX. DEAD END WITHOUT TURN AROUND

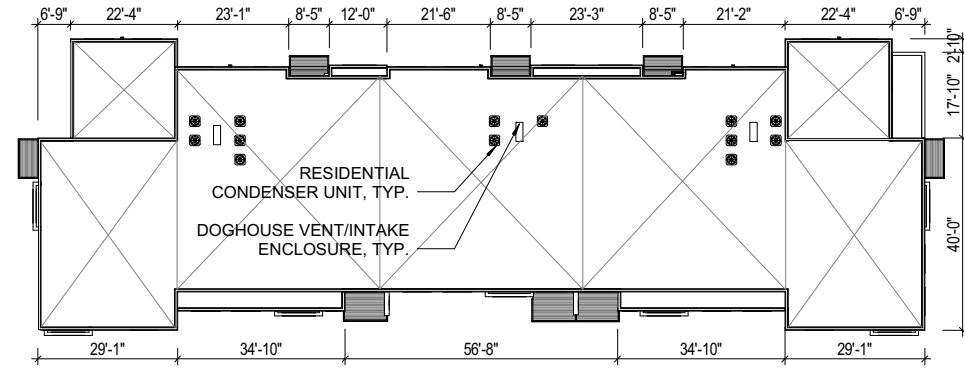


# 114 MILKY WAY

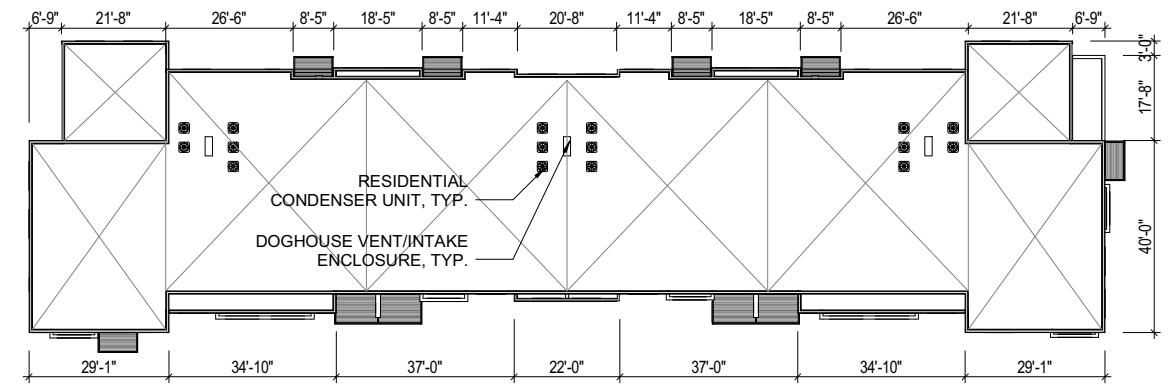
SITE DIAGRAM

Scale: 1" = 40'-0"

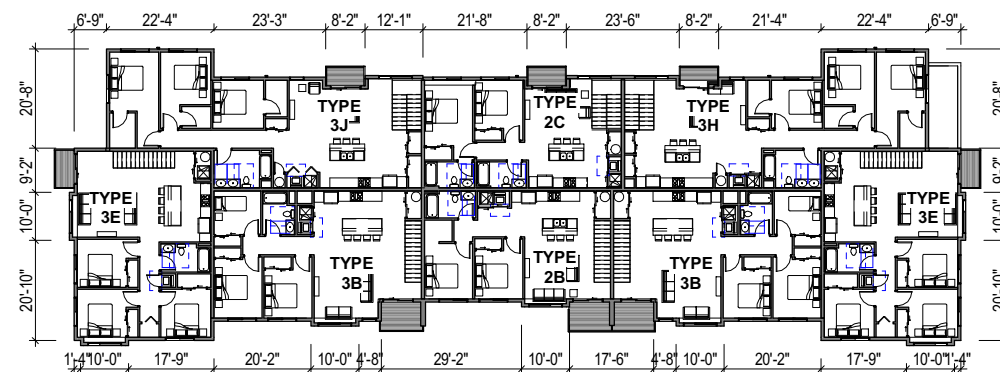
09/07/16  
EA Project No. 162586.00



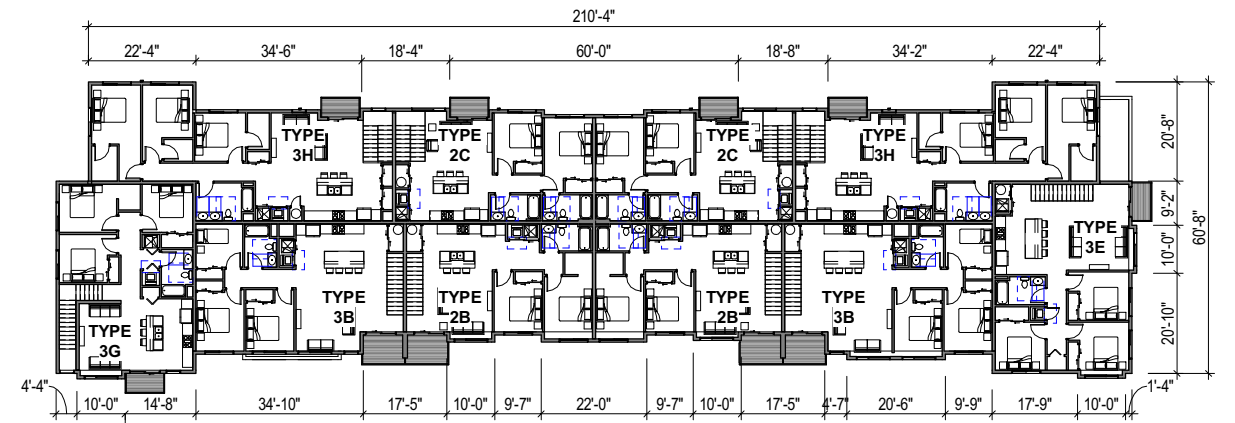
BUILDING A1/A2 - ROOF PLAN



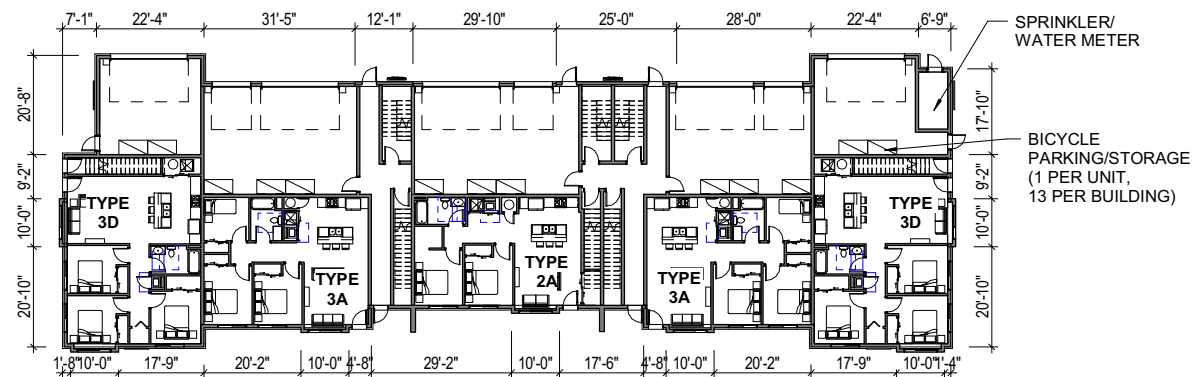
BUILDING B1/B2/B3 - ROOF PLAN



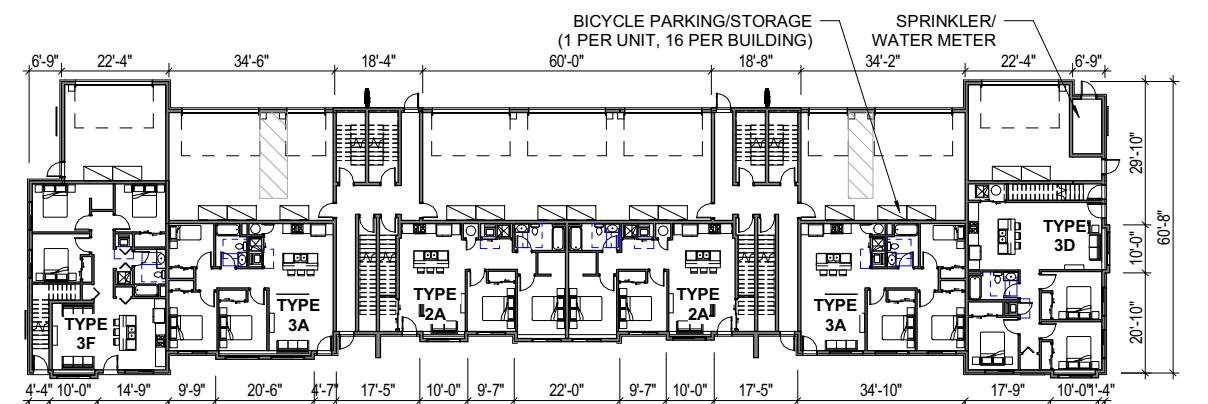
BUILDING A1/A2 - LEVEL TWO



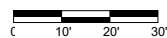
BUILDING B1/B2/B3 - LEVEL TWO



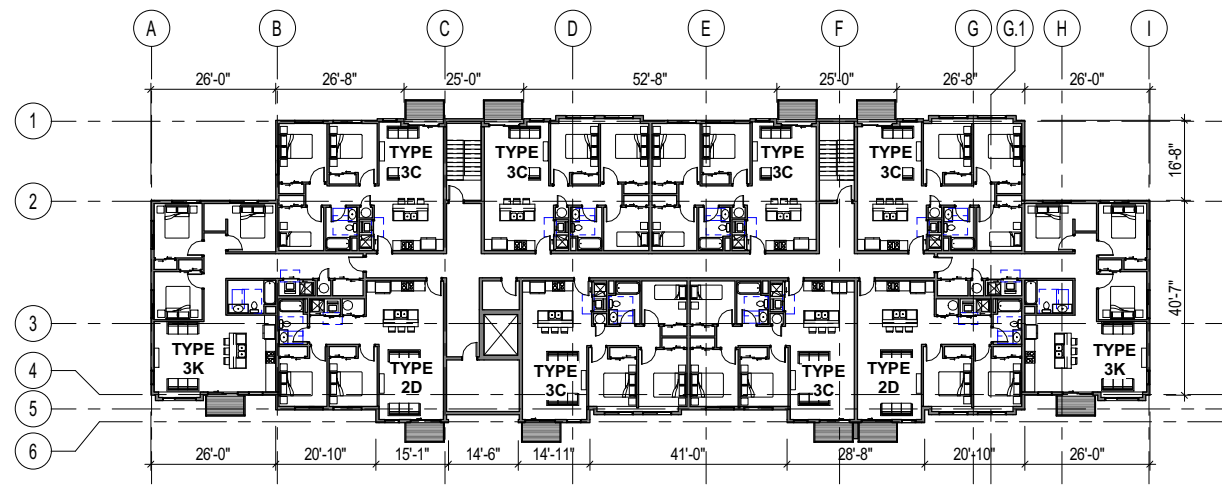
BUILDING A1/A2 - LEVEL ONE



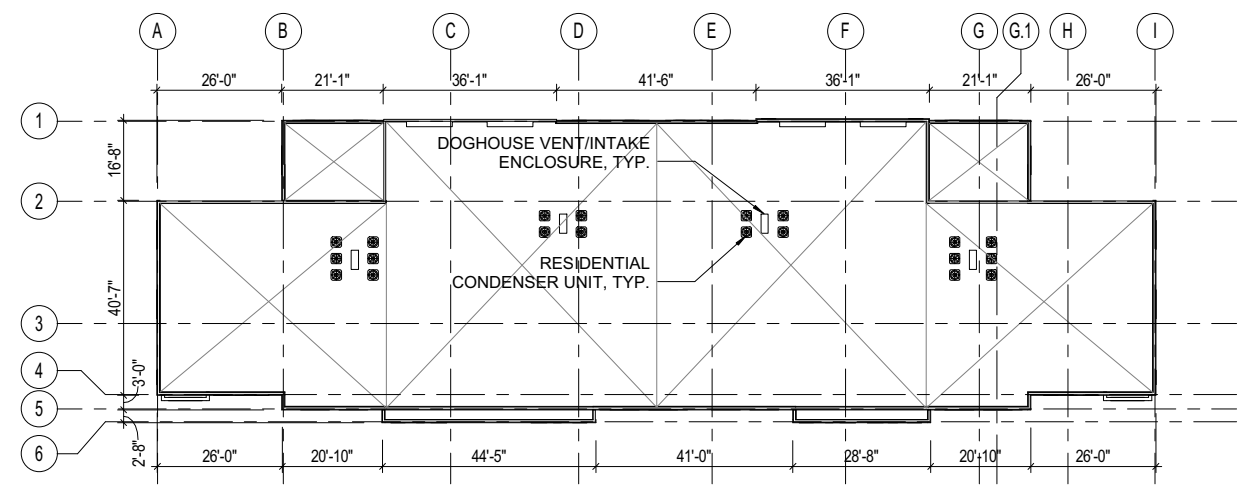
BUILDING B1/B2/B3 - LEVEL ONE



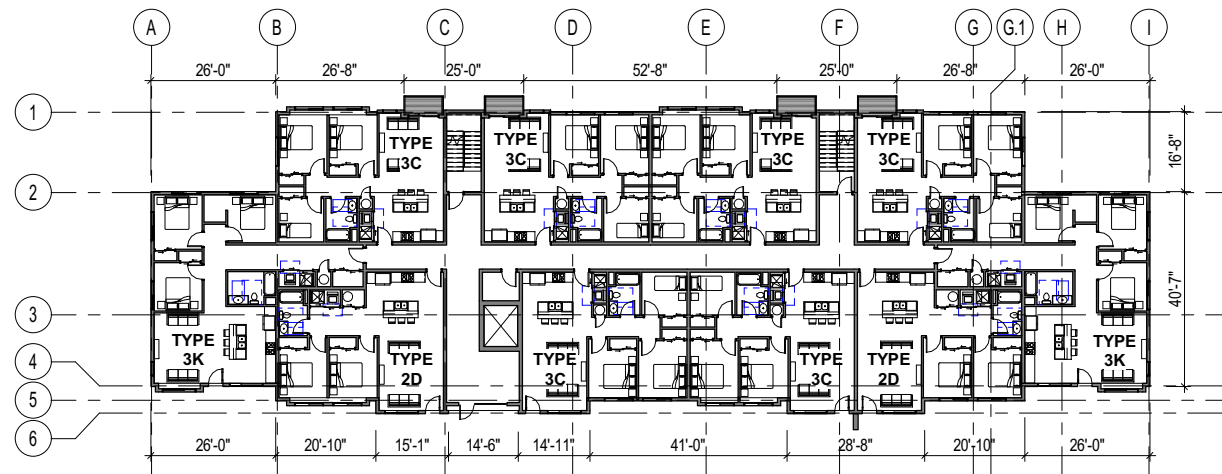




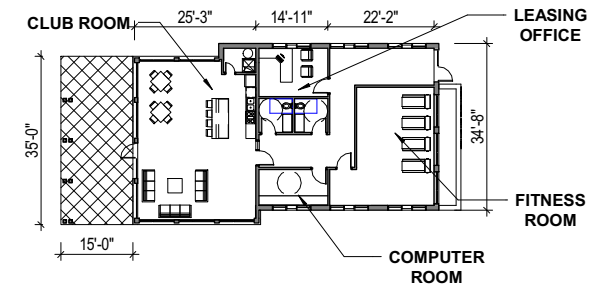
BUILDING C1 - LEVEL TWO



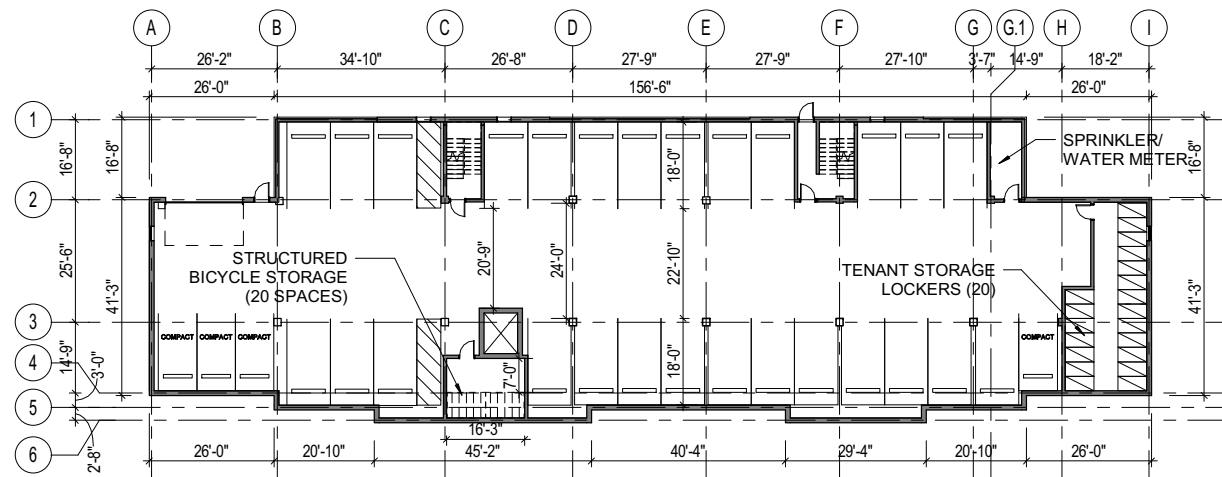
BUILDING C1 - ROOF PLAN



BUILDING C1 - LEVEL ONE

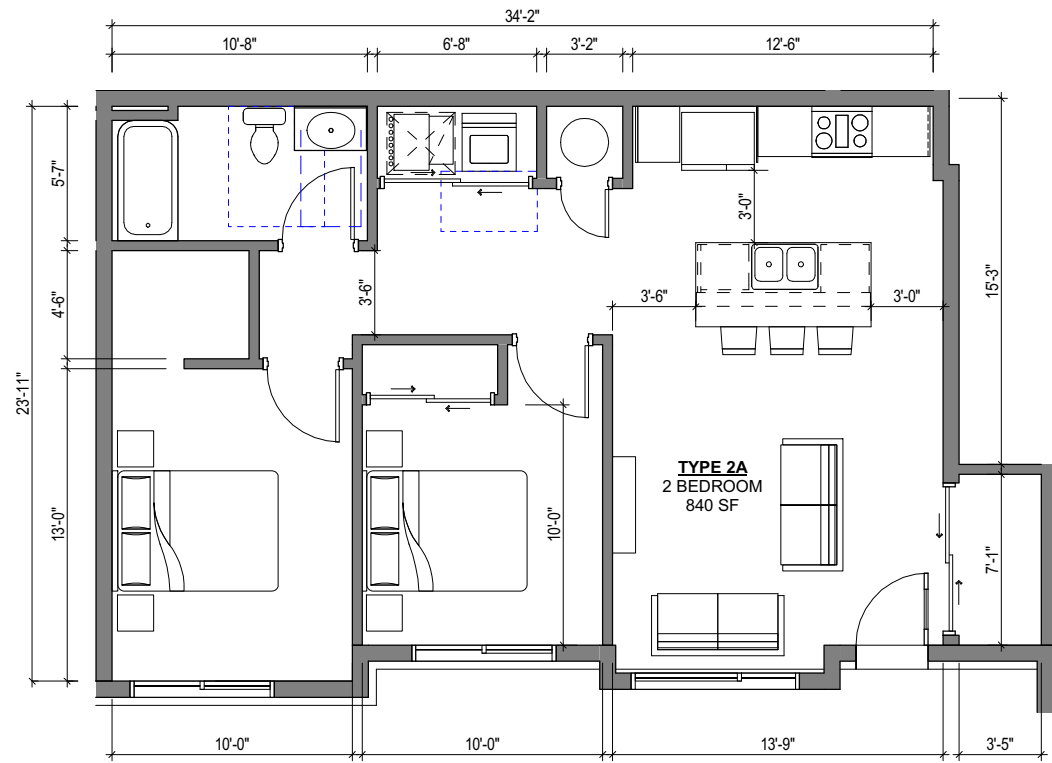


CLUB HOUSE PLAN

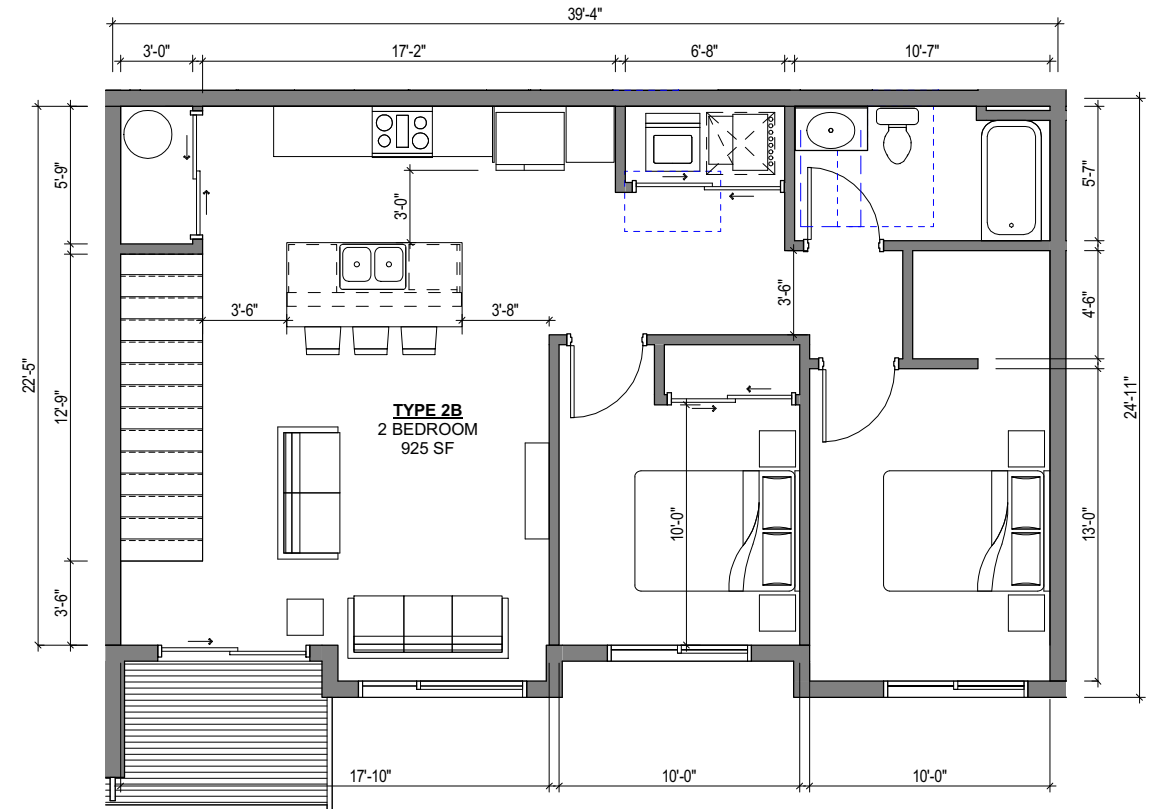


BUILDING C1- LOWER LEVEL

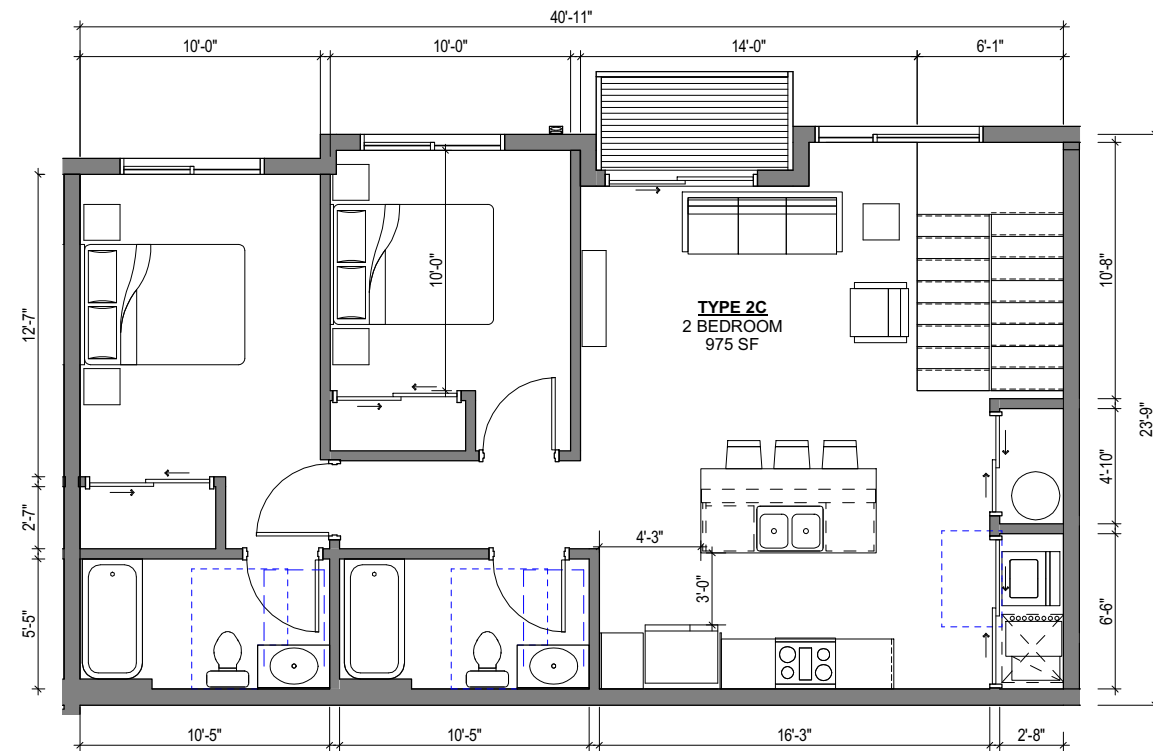




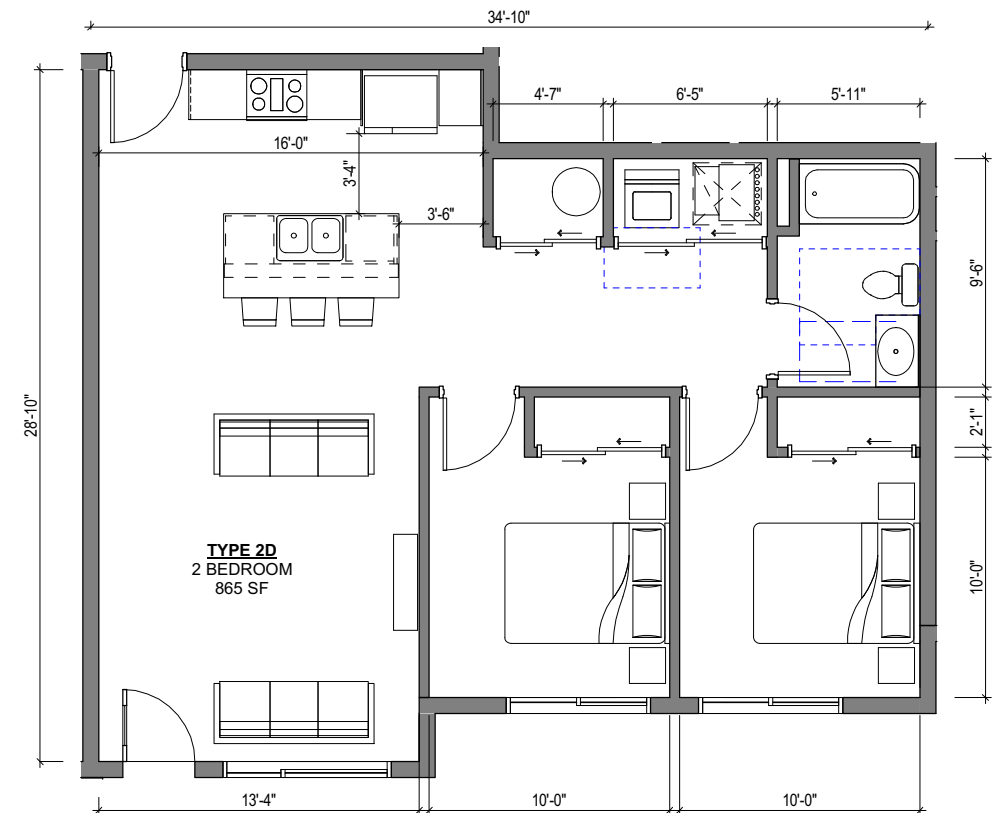
UNIT TYPE 2A



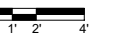
UNIT TYPE 2B

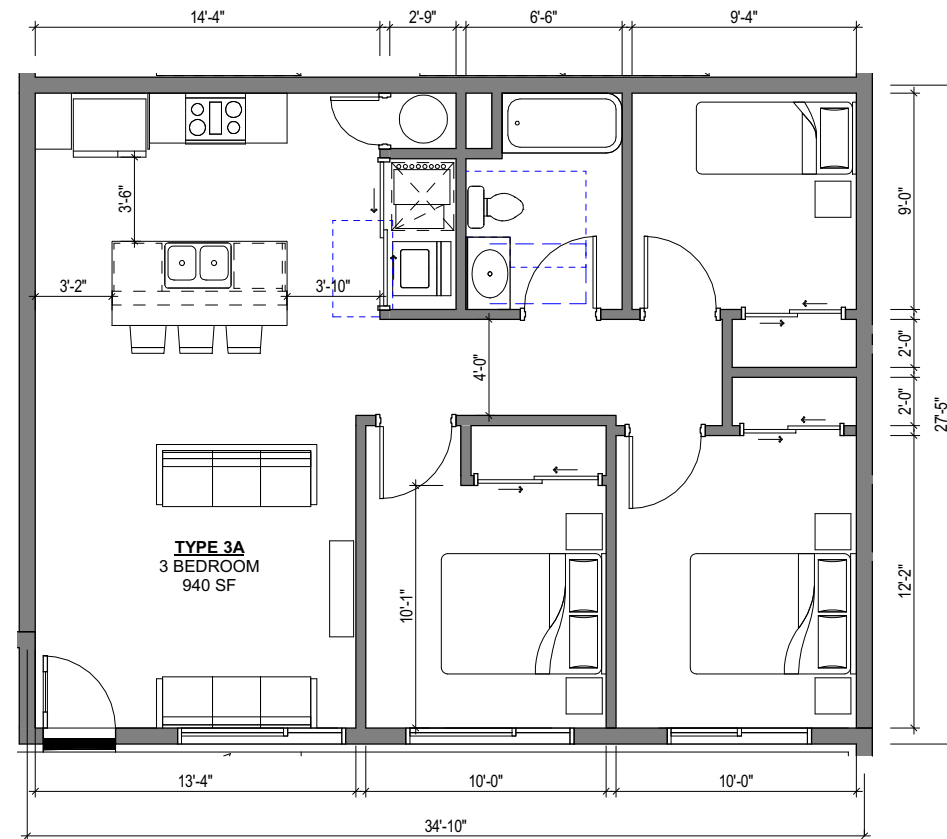


UNIT TYPE 2C

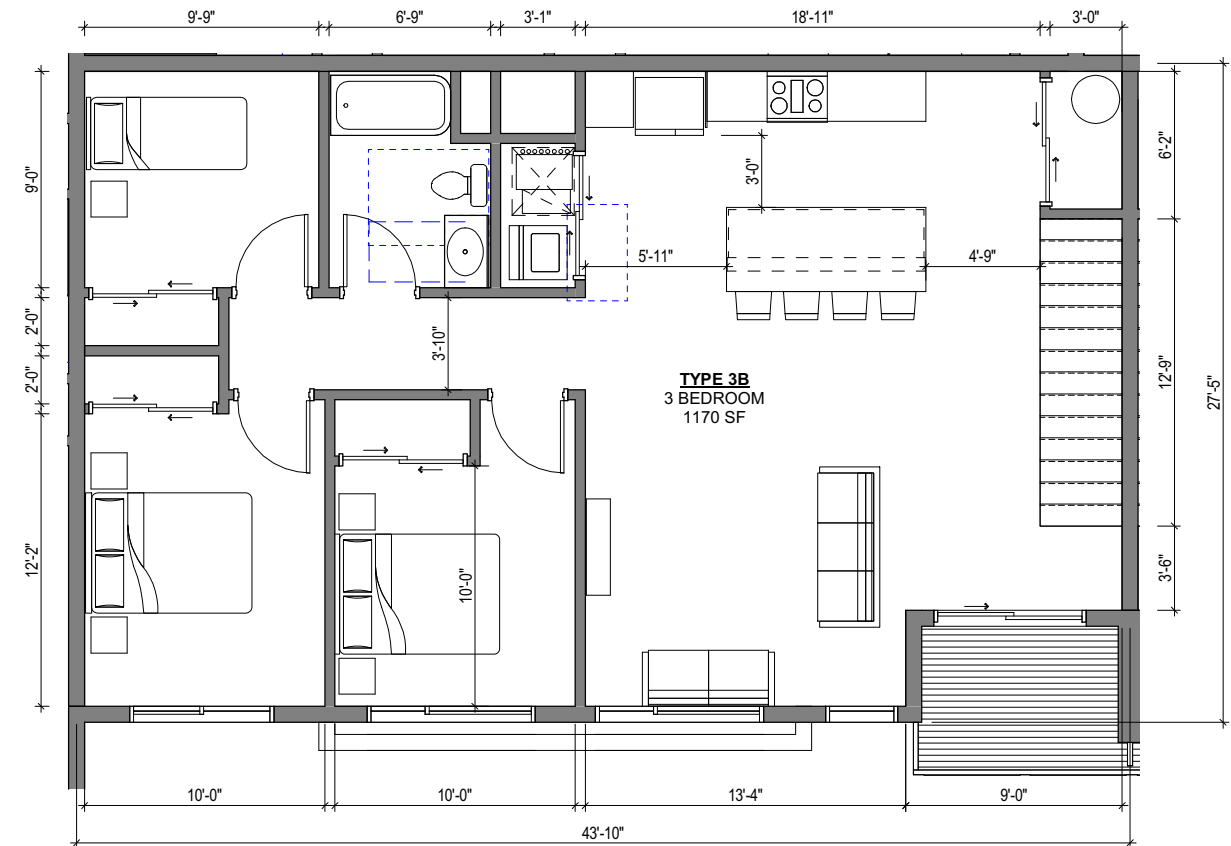


UNIT TYPE 2D

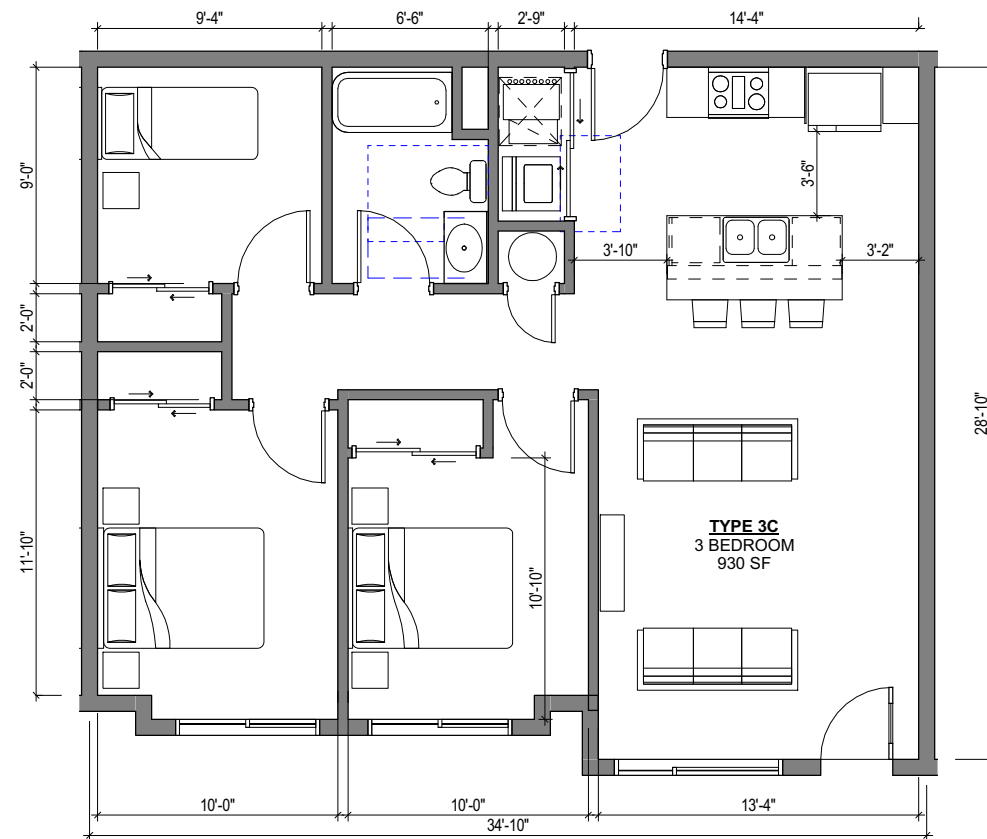




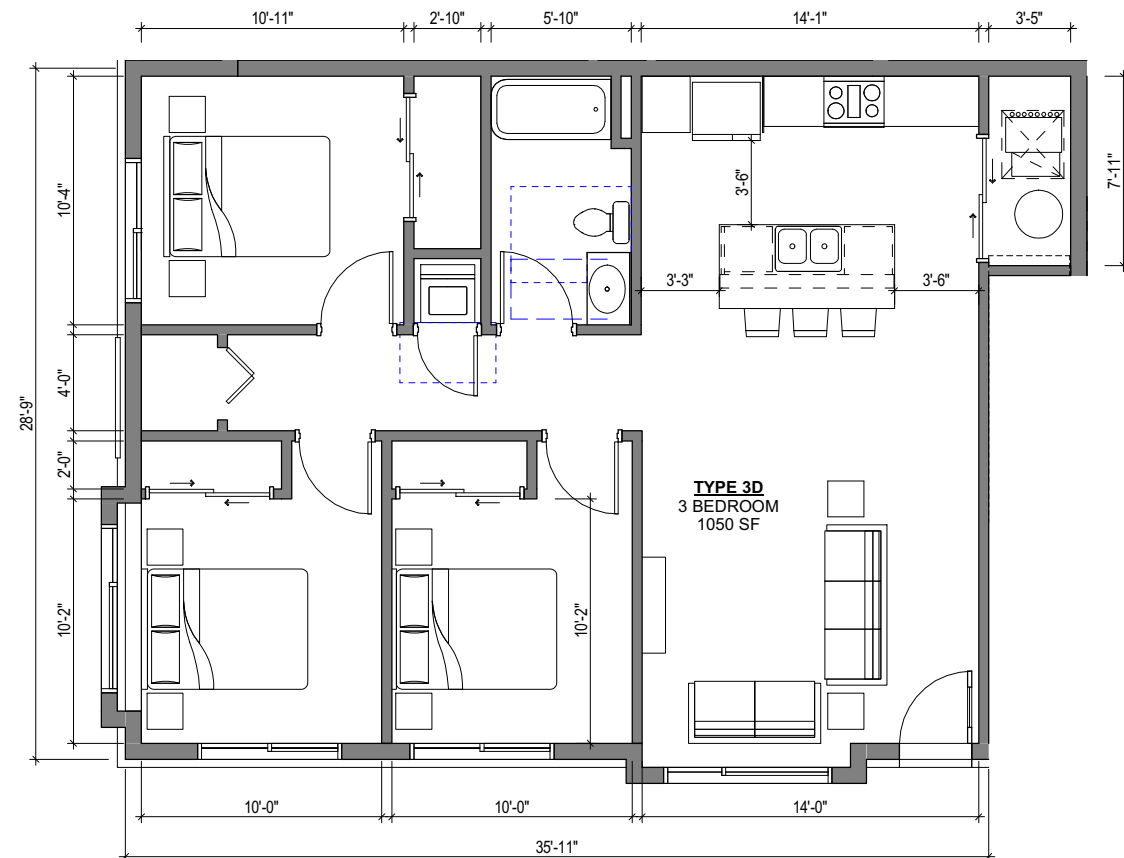
UNIT TYPE 3A



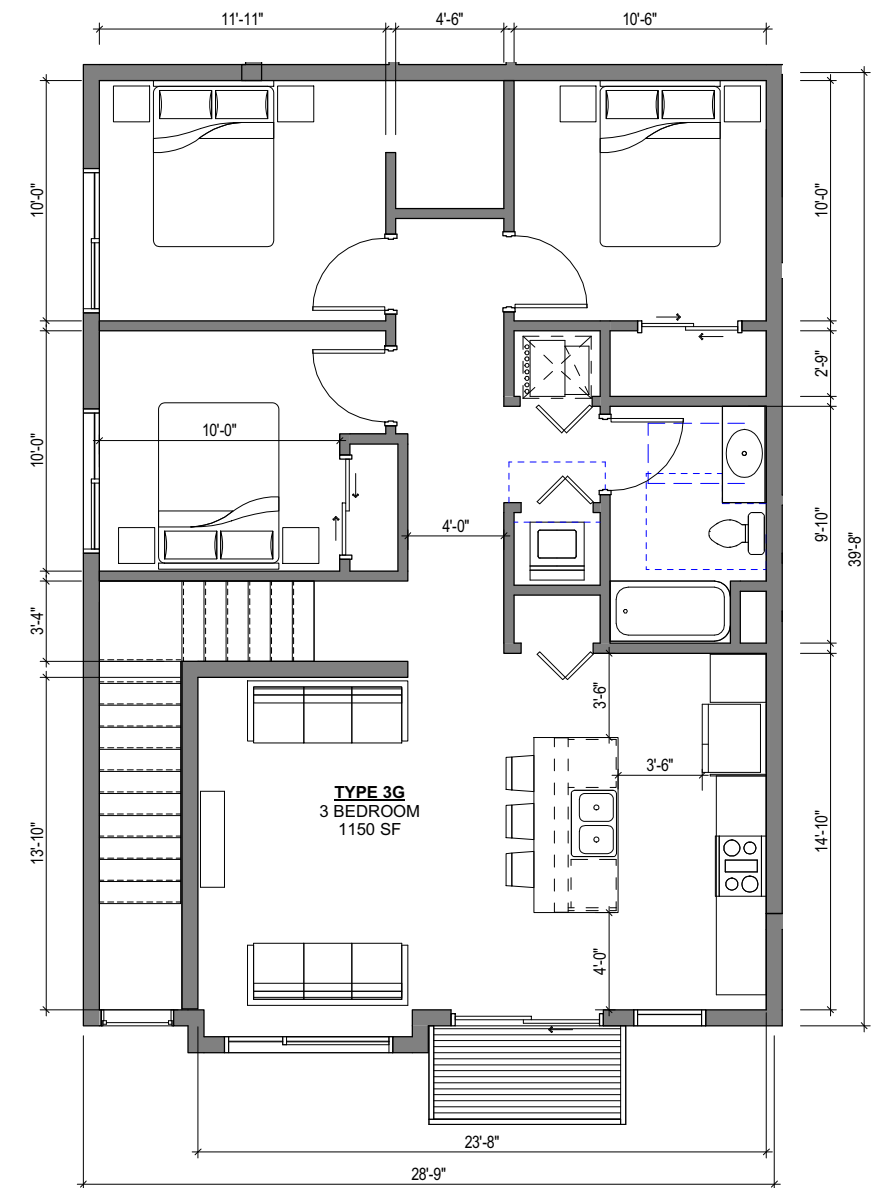
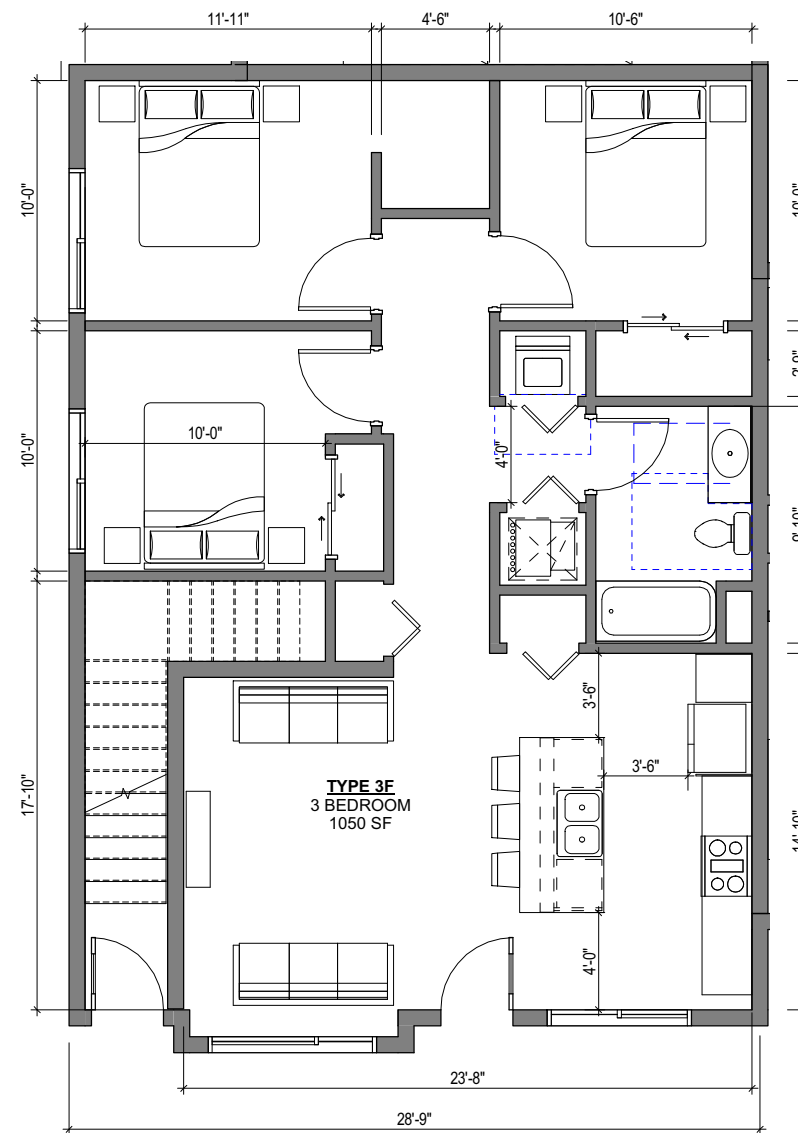
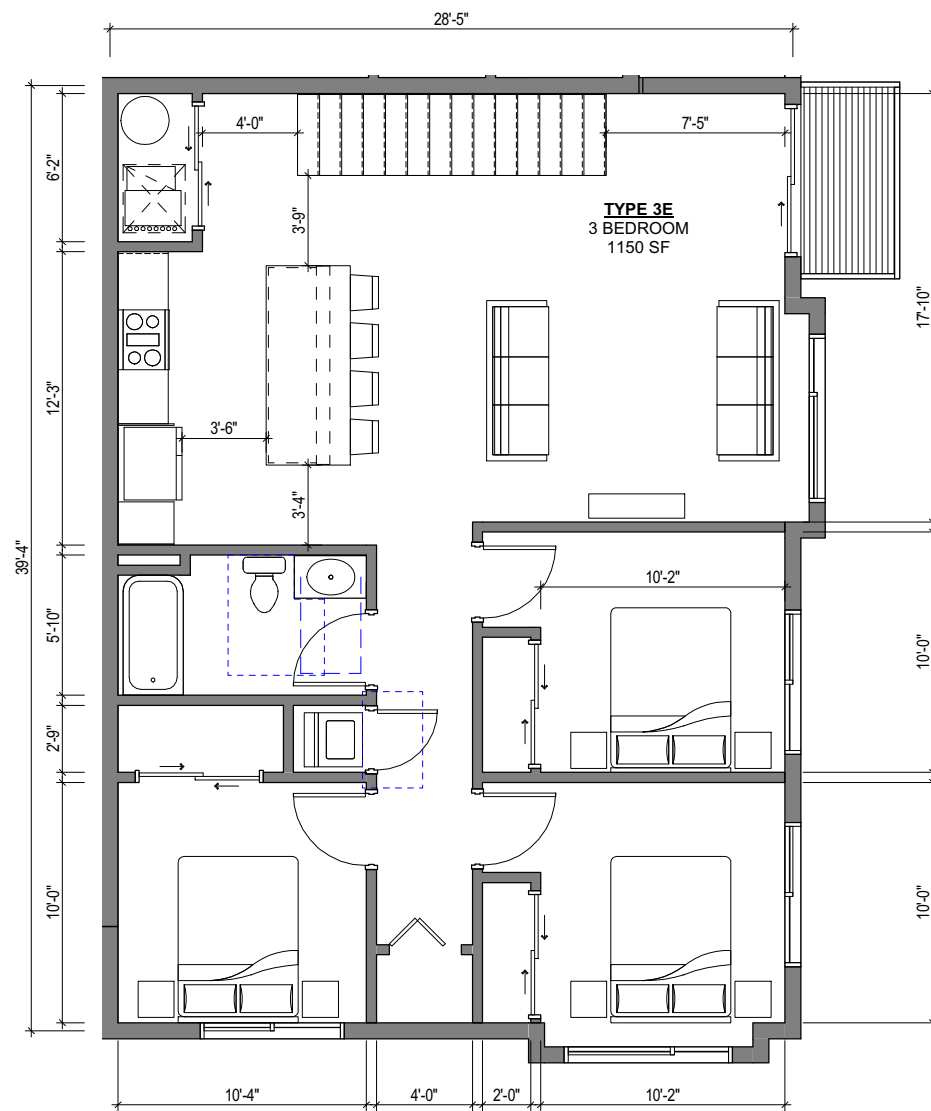
UNIT TYPE 3B

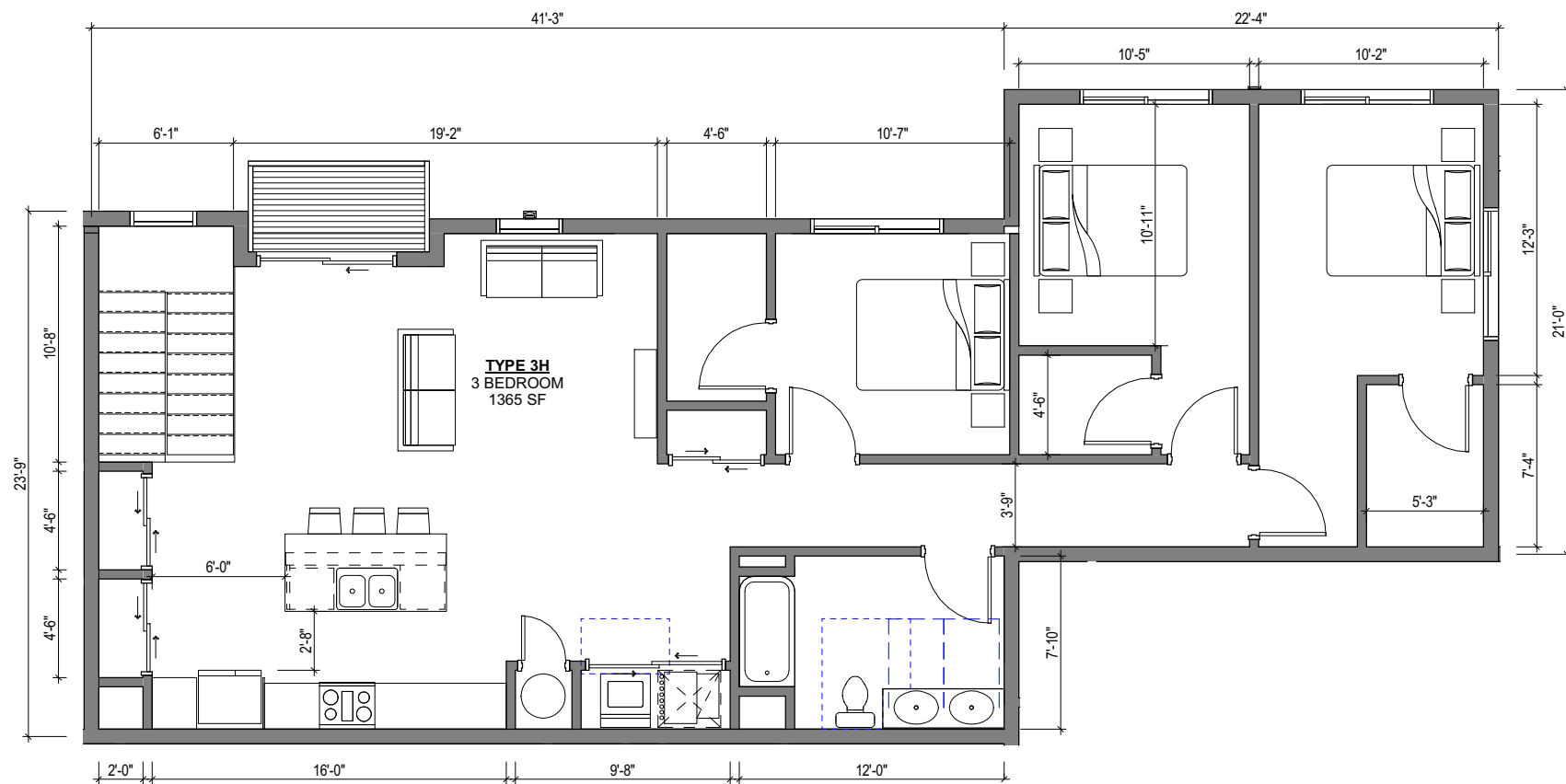


UNIT TYPE 3C

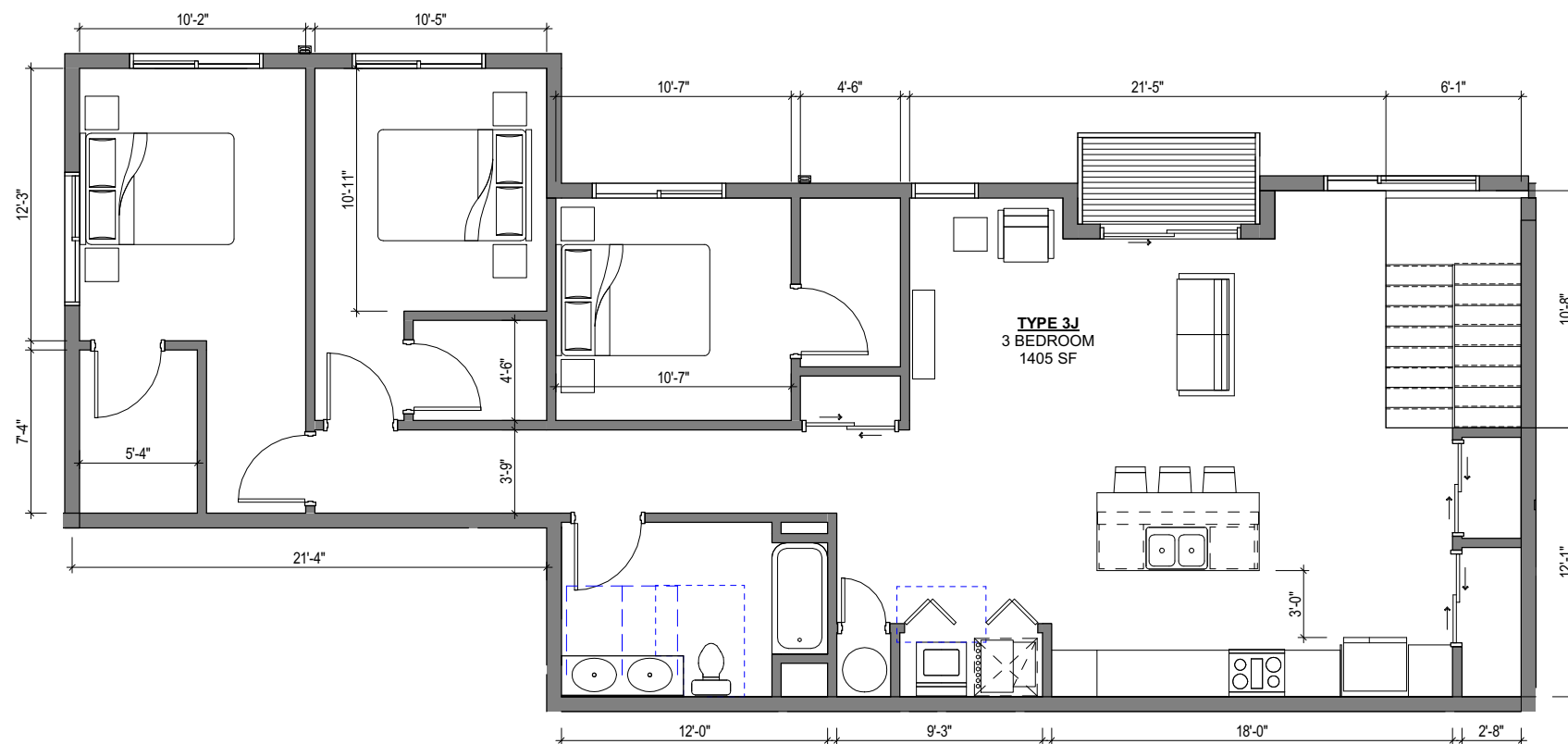


UNIT TYPE 3D

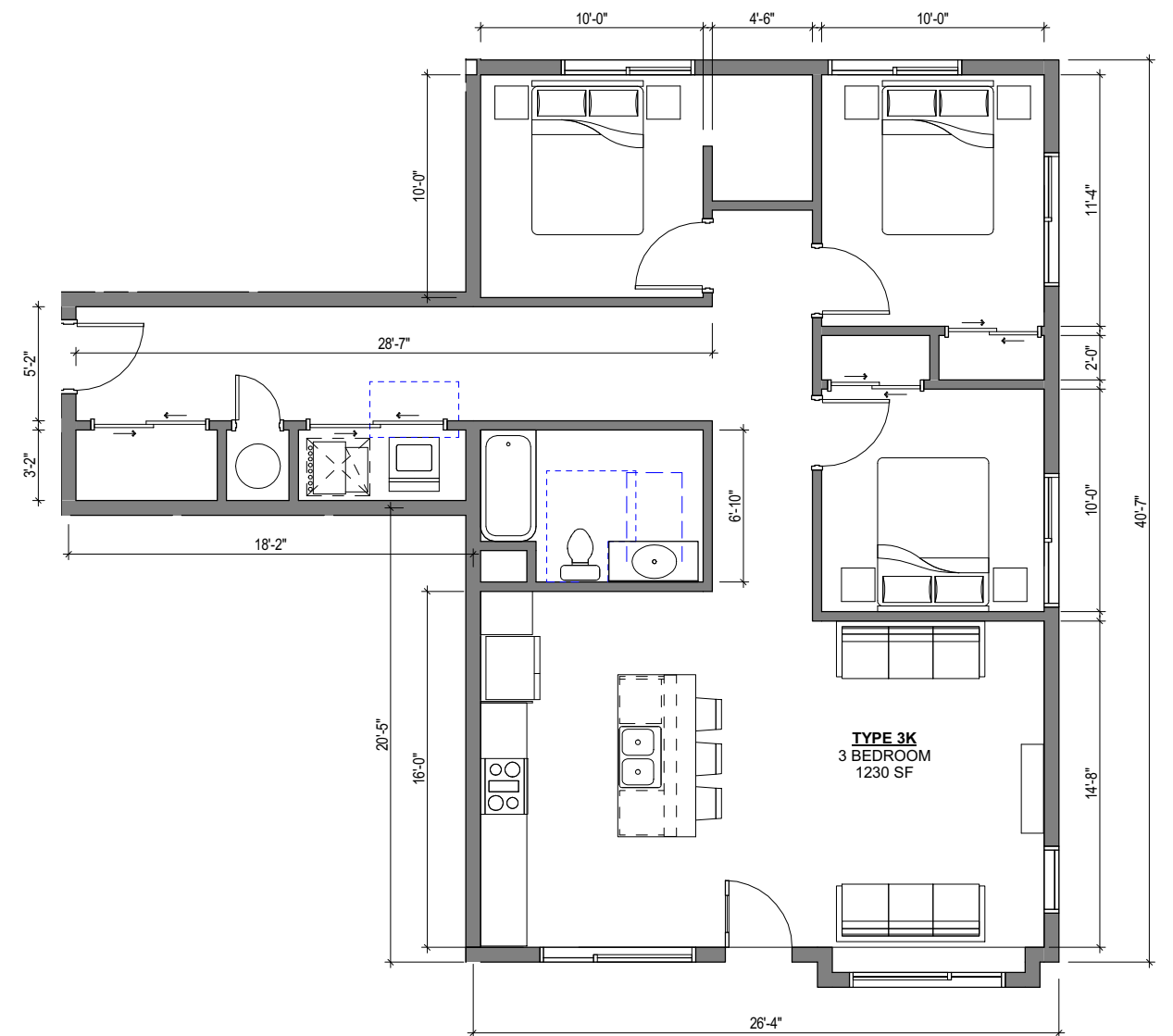




UNIT TYPE 3H



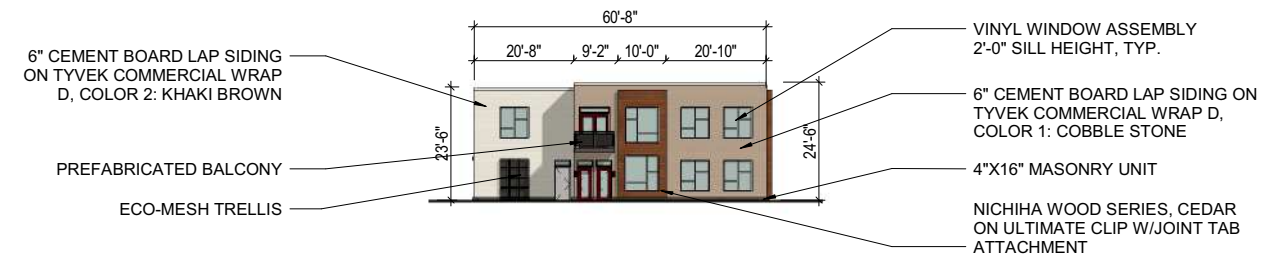
UNIT TYPE 3J



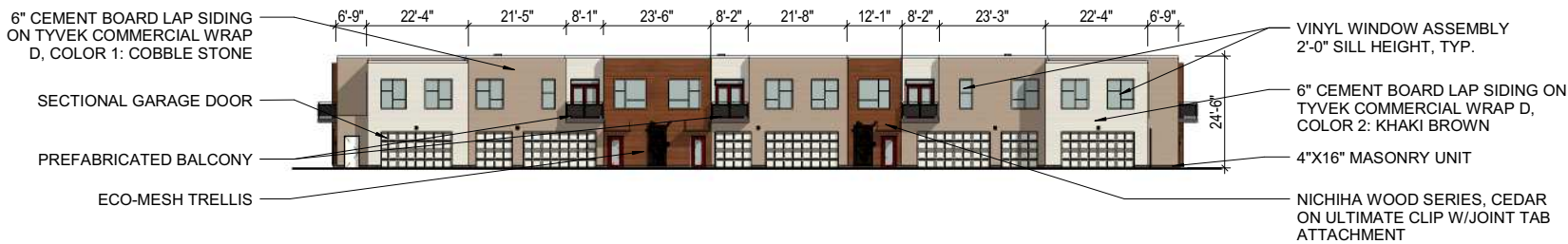
UNIT TYPE 3K



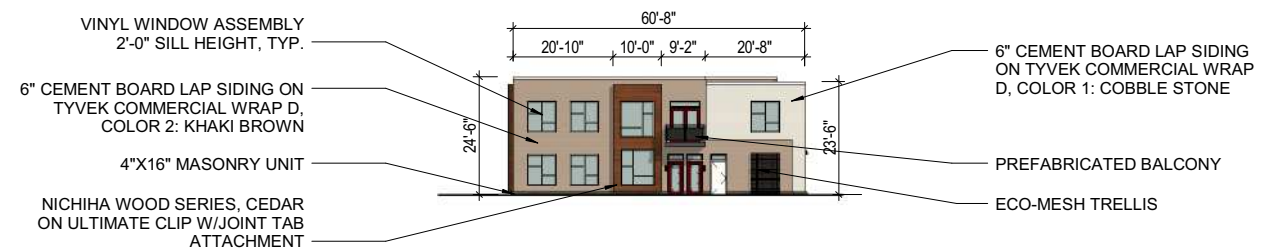
BUILDING A1 - EAST ELEVATION



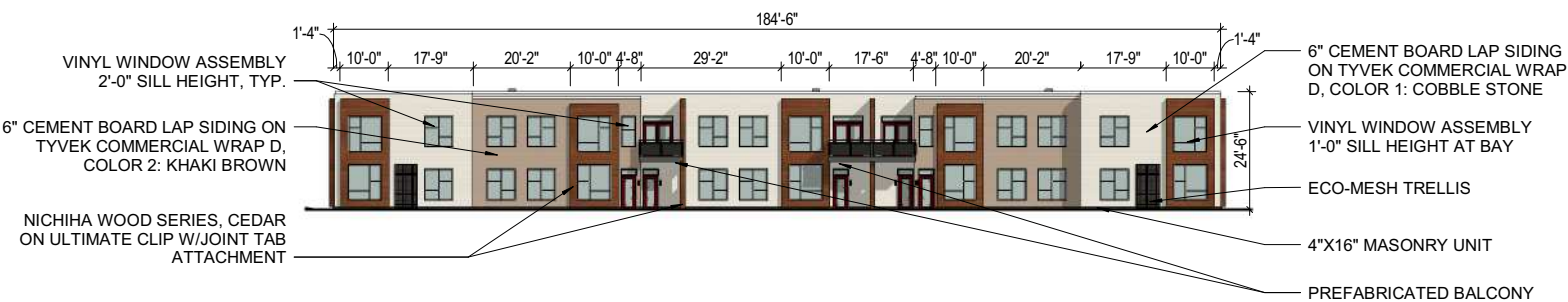
BUILDING A1 - SOUTH ELEVATION



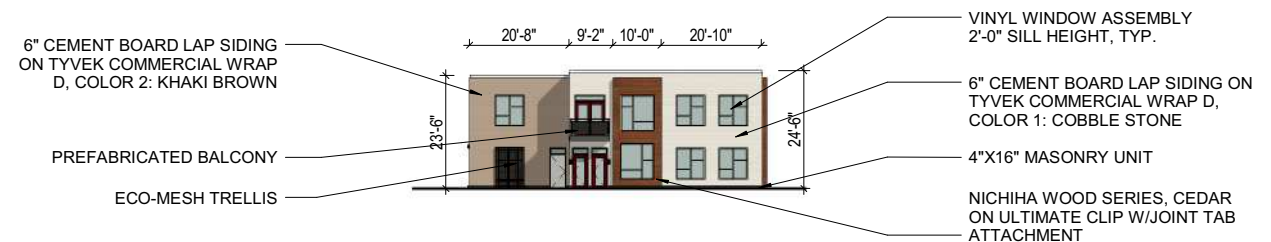
BUILDING A1 - WEST ELEVATION



BUILDING A1 - NORTH ELEVATION



BUILDING A2 - EAST ELEVATION



BUILDING A2 - SOUTH ELEVATION



BUILDING A2 - WEST ELEVATION

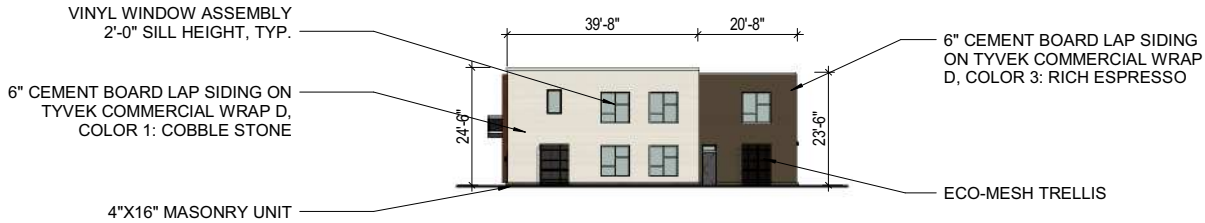


BUILDING A2 - NORTH ELEVATION





BUILDING B1 - NORTH ELEVATION



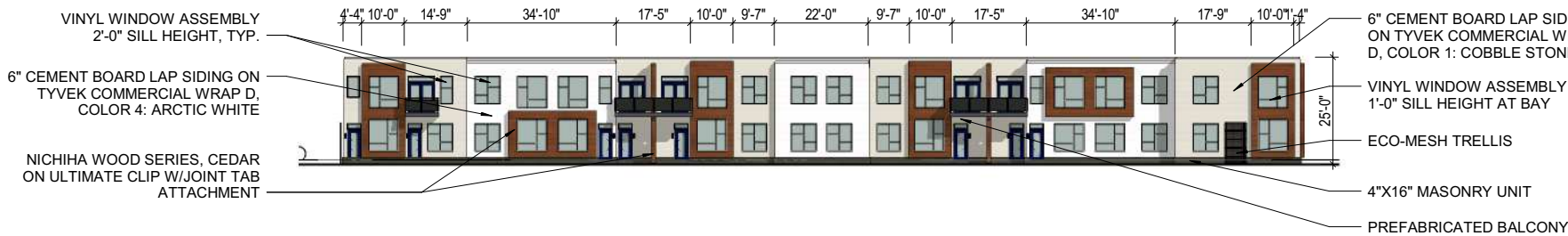
BUILDING B1 - WEST ELEVATION



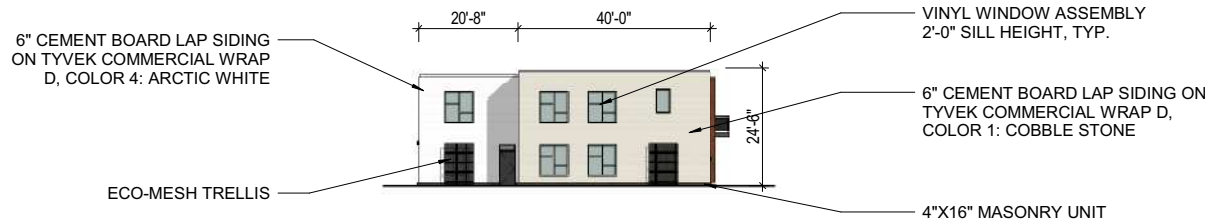
BUILDING B1 - SOUTH ELEVATION



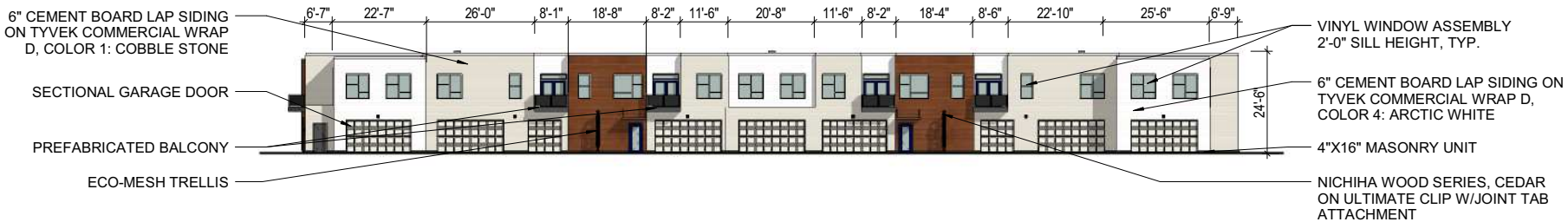
BUILDING B1 - EAST ELEVATION



BUILDING B2/B3 - COURTYARD ELEVATION



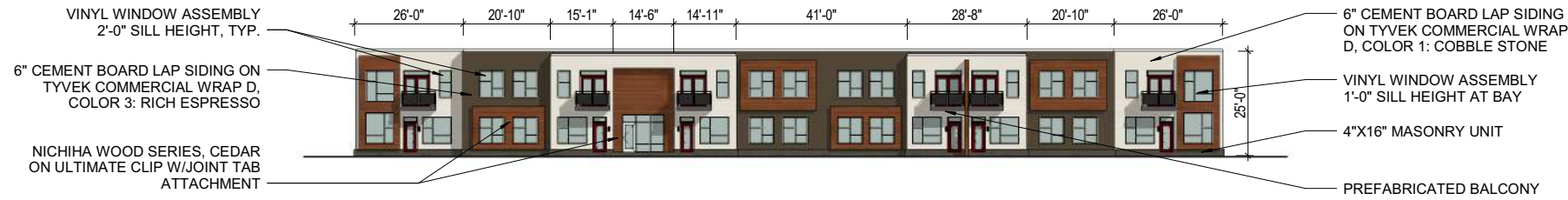
BUILDING B2/B3 - WEST ELEVATION



BUILDING B2/B3 - ALLEY ELEVATION

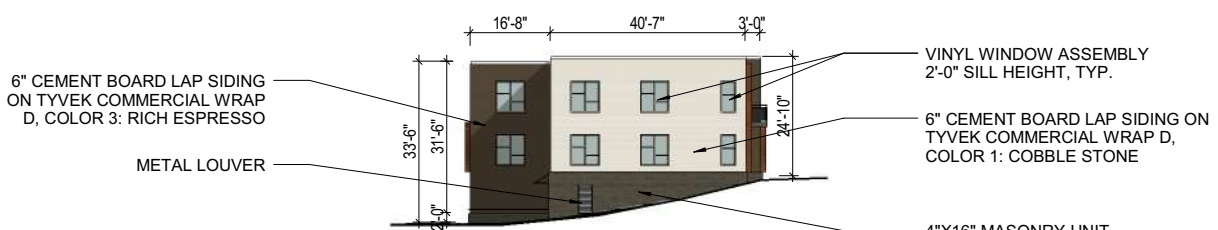


BUILDING B2/B3 - EAST ELEVATION



**BUILDING C - SOUTH ELEVATION**

SCALE: 1" = 20'-0"



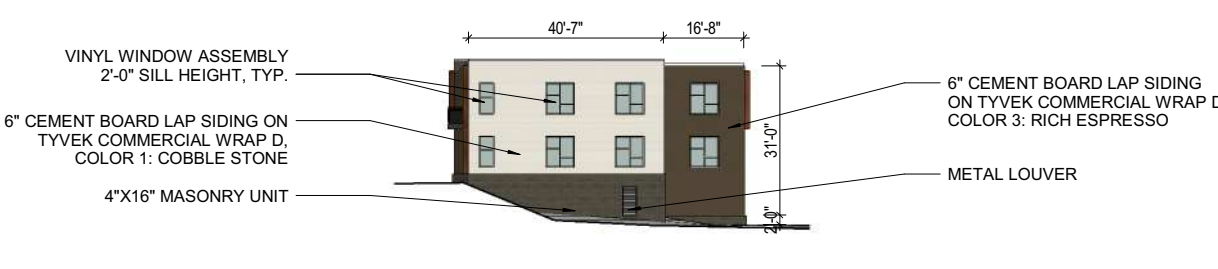
**BUILDING C - WEST ELEVATION**

SCALE: 1" = 20'-0"



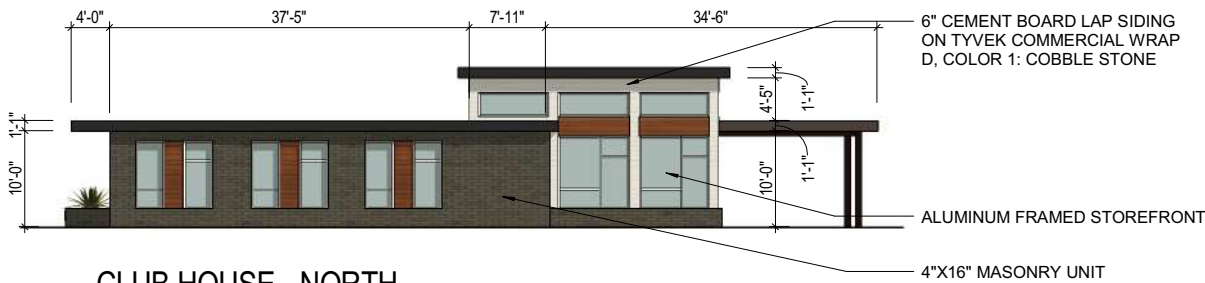
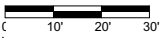
**BUILDING C - NORTH ELEVATION**

SCALE: 1" = 20'-0"



**BUILDING C - EAST ELEVATION**

SCALE: 1" = 20'-0"



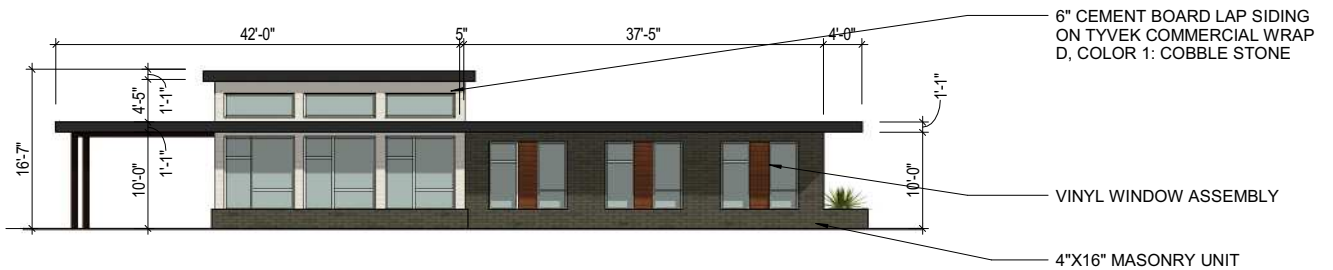
**CLUB HOUSE - NORTH**

SCALE: 1" = 10'-0"



**CLUB HOUSE - EAST**

SCALE: 1" = 10'-0"



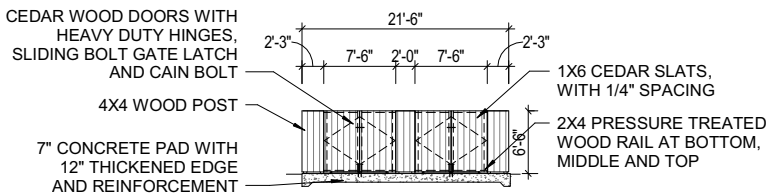
**CLUB HOUSE - SOUTH**

SCALE: 1" = 10'-0"



**CLUB HOUSE - WEST**

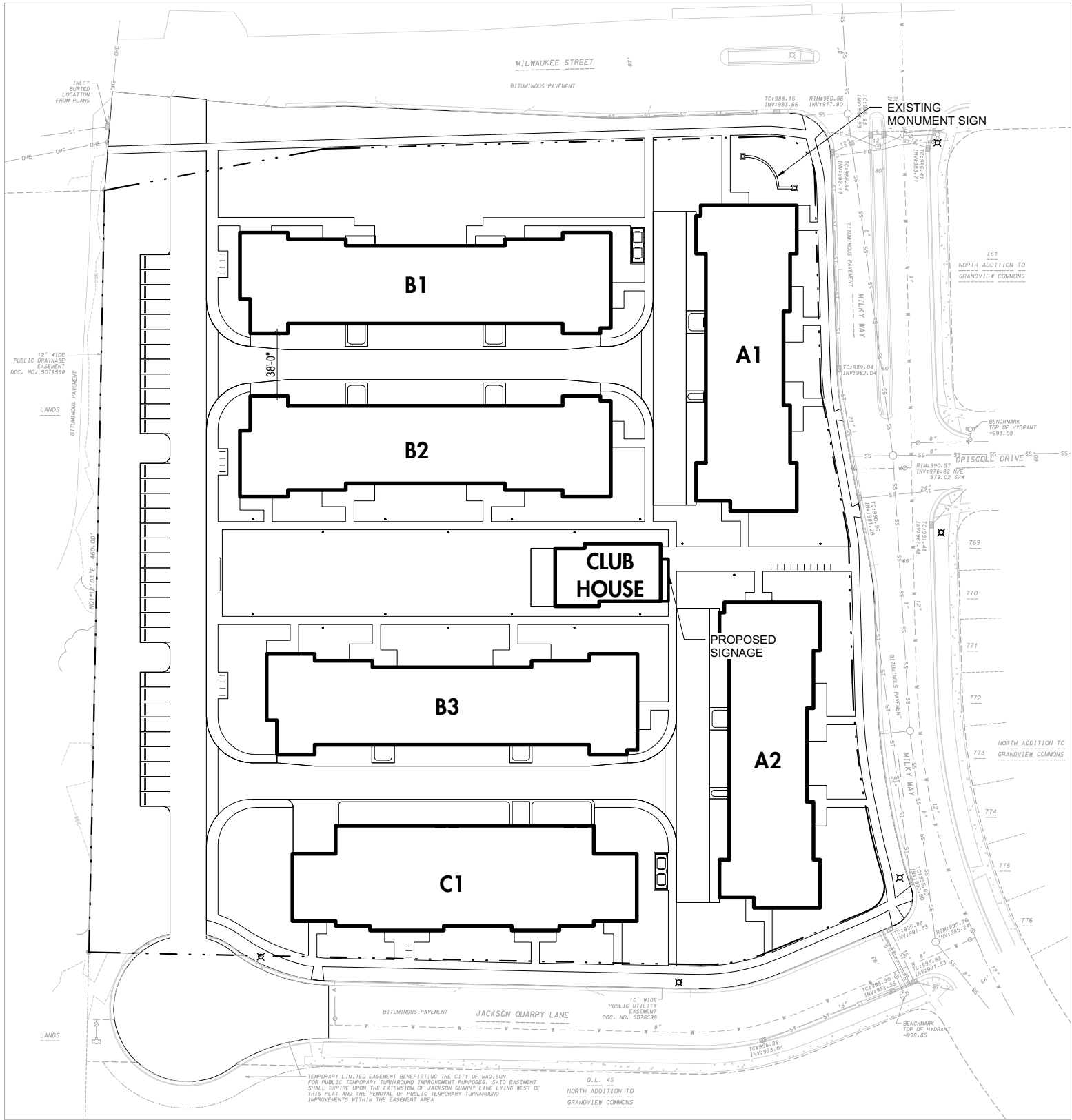
SCALE: 1" = 10'-0"



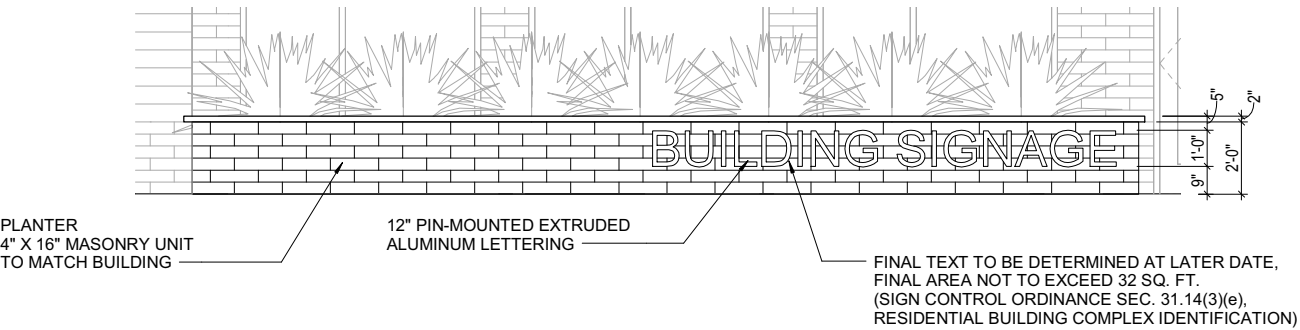
**DUMPSTER ENCLOSURE**

SCALE: 1" = 10'-0"

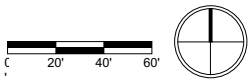




EXISTING SIGN AT MILWAUKEE ST AND MILKY WAY



PROPOSED SIGNAGE AT CLUB HOUSE











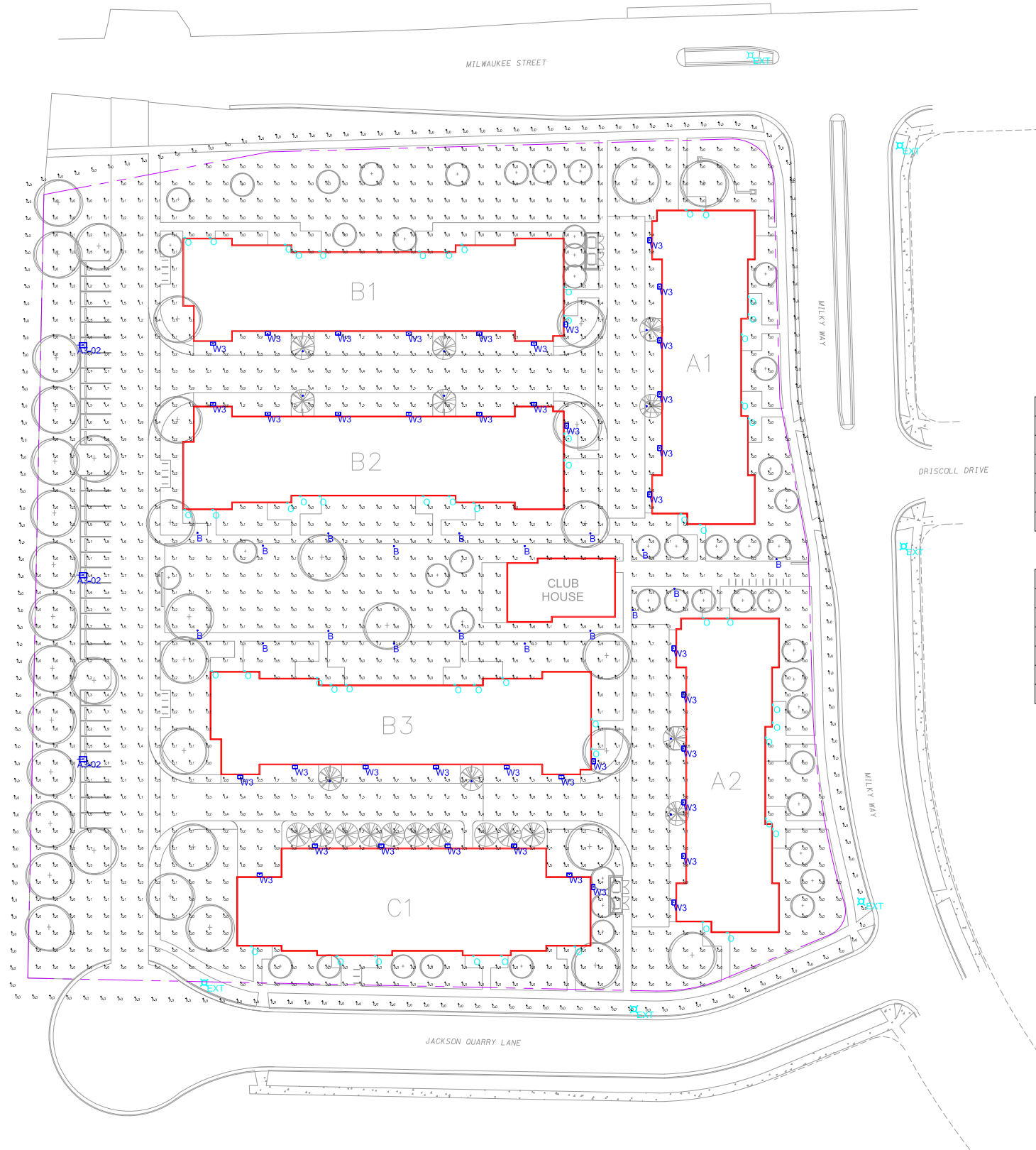












Luminaire Schedule						
Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF	Description
3	A3-02	SINGLE	8970	107	0.980	McGRAW-EDISON +(1) GLEON-AE-02-LED-E1-SL3+HSS ( 20' POLE
18	B	SINGLE	1779	21.3	0.900	CREE + PWY-EDG-5M-P3-02-E-UL-350-40K _ BXPx518E-UH7
40	W3	SINGLE	2804	27	0.900	LUMARK + XTOR3A
54	O					KUZCO + EW3612-xx
5	EXT					EXISTING POLE LIGHTS

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROP LINE	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
SITE	Illuminance	Fc	0.92	12.6	0.0	N.A.	N.A.
DRIVE 1	Illuminance	Fc	0.94	3.5	0.2	4.70	17.50
DRIVE 2	Illuminance	Fc	1.17	7.9	0.2	5.85	39.50
PARKING LOT	Illuminance	Fc	1.47	4.8	0.0	N.A.	N.A.



Enterprise Lighting LTD

114 MILKY WAY

SITE LIGHTING



**Job Name:**  
114 Milky Way

**Catalog Number:**  
GLEON-AE-02-LED-E1-SL3-HSS

Notes:

**Type:**

**A3-02**

## McGraw-Edison

### DESCRIPTION

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

### SPECIFICATION FEATURES

#### Construction

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

#### Optics

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

#### Electrical

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

#### Mounting

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

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

#### Finish

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

#### Warranty

Five-year warranty.

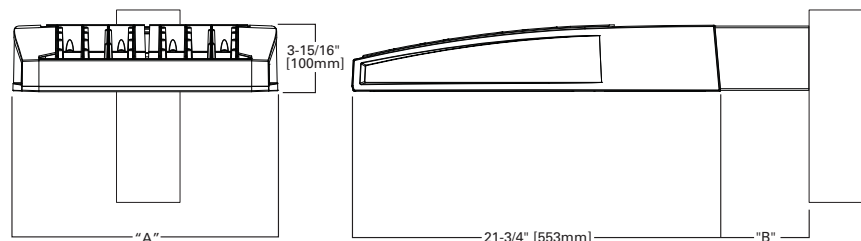


### GLEON GALLEON LED

**1-10 Light Squares**  
**Solid State LED**

**AREA/SITE LUMINAIRE**

### DIMENSIONS

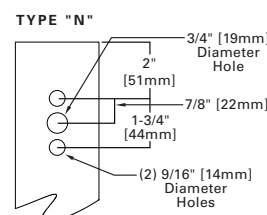


### DIMENSION DATA

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

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

### DRILLING PATTERN



### CERTIFICATION DATA

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

### ENERGY DATA

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





**Job Name:**  
114 Milky Way

**Catalog Number:**  
GLEON-AE-02-LED-E1-SL3-HSS

**Notes:**

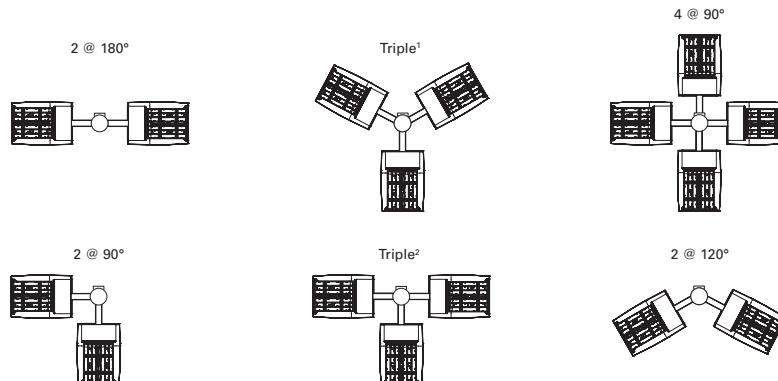
**Type:**

**A3-02**

**GLEON GALLEON LED**

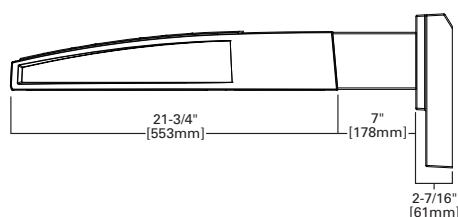
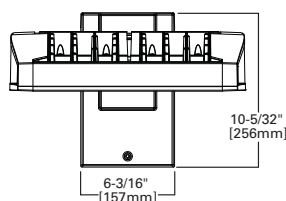
**ARM MOUNTING REQUIREMENTS**

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

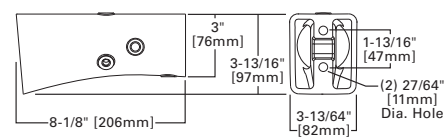


**NOTES:** 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

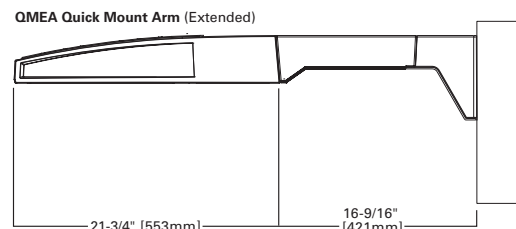
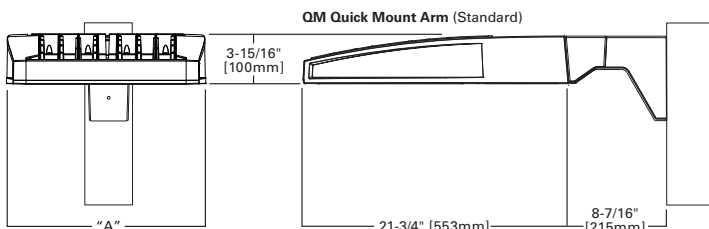
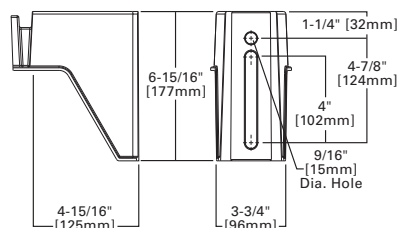
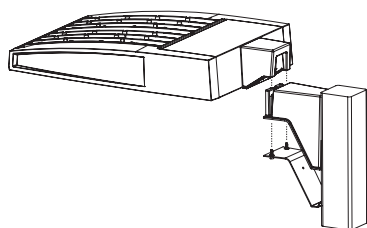
**STANDARD WALL MOUNT**



**MAST ARM MOUNT**



**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QUICK MOUNT ARM DATA**

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

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



**Job Name:**  
114 Milky Way

**Catalog Number:**  
GLEON-AE-02-LED-E1-SL3-HSS

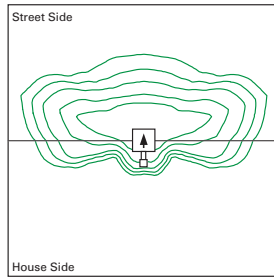
Notes:

**Type:**

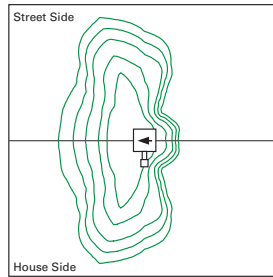
**A3-02**

GLEON GALLEON LED

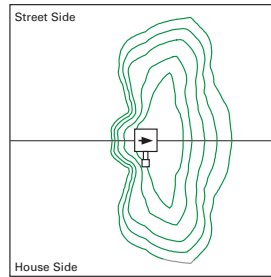
#### OPTIC ORIENTATION



Standard



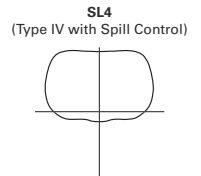
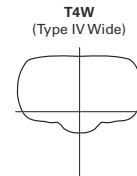
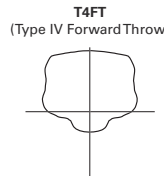
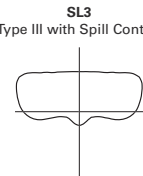
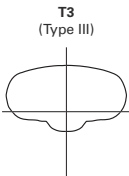
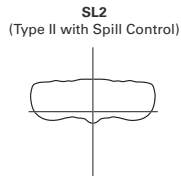
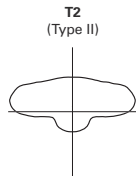
Optics Rotated Left @ 90° [L90]



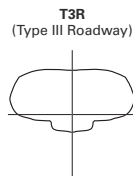
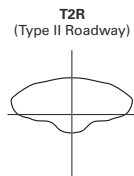
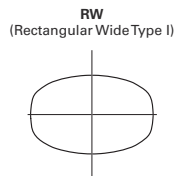
Optics Rotated Right @ 90° [R90]

#### OPTICAL DISTRIBUTIONS

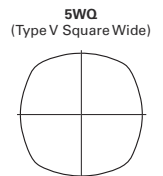
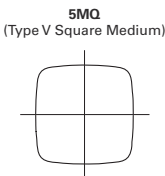
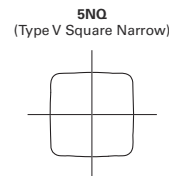
##### Asymmetric Area Distributions



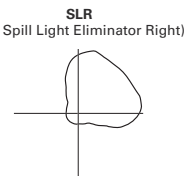
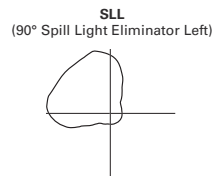
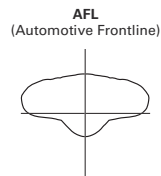
##### Asymmetric Roadway Distributions




##### Symmetrical Distributions



##### Specialized Distributions



Submitted by Enterprise Lighting, LTD.		<b>Catalog Number:</b> GLEON-AE-02-LED-E1-SL3-HSS	<b>Type:</b> <b>A3-02</b>
	<b>Job Name:</b> 114 Milky Way	<b>Notes:</b>	

GLEON GALLEON LED

**NOMINAL POWER AND LUMENS (1A)**

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

\* Nominal data for 4000K CCT.


**LUMEN MULTIPLIER**

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

**LUMEN MAINTENANCE**

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

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

Submitted by Enterprise Lighting, LTD.		<b>Catalog Number:</b> GLEON-AE-02-LED-E1-SL3-HSS  <b>Notes:</b>	<b>Type:</b>  <b>A3-02</b>
	<b>Job Name:</b> 114 Milky Way		

GLEON GALLEON LED

**NOMINAL POWER AND LUMENS (700MA)**

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Drive Current		700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA
Nominal Power (Watts)		38	72	105	138	176	210	243	276	314	348
Input Current @ 120V (A)		0.32	0.59	0.86	1.14	1.45	1.72	2	2.28	2.58	2.86
Input Current @ 208V (A)		0.21	0.36	0.51	0.67	0.87	1.02	1.18	1.34	1.53	1.69
Input Current @ 240V (A)		0.19	0.32	0.45	0.59	0.77	0.90	1.04	1.18	1.35	1.49
Input Current @ 277V (A)		0.20	0.29	0.40	0.51	0.69	0.80	0.91	1.02	1.20	1.31
Optics											
T2	Lumens	3,854	7,531	11,237	14,847	18,395	22,013	26,033	29,497	32,904	36,430
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	Lumens	4,091	7,995	11,929	15,762	19,529	23,370	27,638	31,316	34,932	38,676
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	Lumens	3,928	7,676	11,453	15,133	18,750	22,437	26,534	30,065	33,537	37,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	Lumens	4,015	7,846	11,707	15,469	19,166	22,936	27,124	30,733	34,283	37,957
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	Lumens	3,951	7,720	11,519	15,221	18,858	22,567	26,688	30,240	33,732	37,347
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	Lumens	3,900	7,620	11,370	15,024	18,615	22,276	26,343	29,849	33,296	36,864
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	Lumens	3,847	7,518	11,217	14,821	18,364	21,975	25,988	29,447	32,847	36,368
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	Lumens	3,927	7,675	11,451	15,131	18,747	22,434	26,531	30,061	33,533	37,126
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	Lumens	3,731	7,292	10,880	14,376	17,812	21,315	25,208	28,562	31,861	35,275
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	Lumens	4,051	7,916	11,811	15,606	19,336	23,139	27,365	31,006	34,587	38,294
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	Lumens	4,125	8,062	12,029	15,894	19,692	23,565	27,869	31,577	35,224	38,999
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5WQ	Lumens	4,136	8,083	12,061	15,936	19,745	23,628	27,943	31,661	35,318	39,103
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	Lumens	3,451	6,744	10,063	13,296	16,474	19,714	23,314	26,416	29,467	32,625
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	Lumens	4,014	7,844	11,704	15,465	19,162	22,930	27,118	30,726	34,274	37,948
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	Lumens	4,029	7,873	11,747	15,522	19,231	23,014	27,216	30,838	34,399	38,086
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 4000K CCT.

**LUMEN MULTIPLIER**


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

**LUMEN MAINTENANCE**

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

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



Submitted by Enterprise Lighting, LTD.		<b>Catalog Number:</b> GLEON-AE-02-LED-E1-SL3-HSS  <b>Notes:</b>	<b>Type:</b> <b>A3-02</b>
	<b>Job Name:</b> 114 Milky Way		

GLEON GALLEON LED

**NOMINAL POWER AND LUMENS (530MA)**

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

\* Nominal data for 4000K CCT.


**LUMEN MULTIPLIER**

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

**LUMEN MAINTENANCE**

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

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

Submitted by Enterprise Lighting, LTD.  <b>Job Name:</b> 114 Milky Way	<b>Catalog Number:</b> GLEON-AE-02-LED-E1-SL3-HSS  <b>Notes:</b>	<b>Type:</b> <b>A3-02</b>
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GLEON GALLEON LED

# ORDERING INFORMATION

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

Product Family <sup>1,2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AE=1A Drive Current	01=1 02=2 03=3 04=4 05=5 06=6 07=7 <sup>4</sup> 08=8 <sup>4</sup> 09=9 <sup>5</sup> 10=10 <sup>5</sup>	LED=Solid State Light Emitting Diodes	E1=(120-277V) 347=347V <sup>6</sup> 480=480V <sup>6,7</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>8</sup> MA=Mast Arm Adapter <sup>9</sup> WM=Wall Mount Arm (Standard Length) <sup>10</sup> QME=Quick Mount Arm (Extended Length) <sup>11</sup>
<b>Options (Add as Suffix)</b>					<b>Accessories (Order Separately)</b>		
2L=Two Circuits <sup>12,13</sup> 7030=70 CRI / 3000K <sup>14</sup> 8030=80 CRI / 3000K <sup>15</sup> 7050=70 CRI / 5000K <sup>15</sup> 7060=70 CRI / 6000K <sup>14</sup> 530=Drive Current Factory Set to 530mA <sup>16</sup> 700=Drive Current Factory Set to 700mA <sup>16</sup> P=Button Type Photocontrol (120, 208, 240 or 277V) PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle R=NEMA Twistlock Photocontrol Receptacle HA=50°C High Ambient <sup>13,17</sup> MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>18,19,20,21,22</sup> MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>18,19,20,21,22</sup> MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>18,19,20,21</sup> MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) <sup>18,19,20,21,25</sup> MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height <sup>18,19,20,21,22,26</sup> MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height <sup>18,19,20,21,23,26</sup> MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height <sup>18,19,20,21,24,26</sup> MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) <sup>18,19,20,21,25,26</sup> MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>18,19,20,21,22</sup> MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>18,19,20,21,23</sup> MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>18,19,20,21,24</sup> MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) <sup>18,19,20,25</sup> DIMRF-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>27</sup> DIMRF-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>27</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top TH=Tool-less Door Hardware LC=Light Square Trim Plate Painted to Match Housing <sup>28</sup> HSS=Factory Installed House Side Shield <sup>29</sup> CE=CE Marking <sup>30</sup>					OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>31</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit <sup>10</sup> GLEON-QM-EA=Quick Mount Extended Length Arm Kit <sup>11</sup> LS/HSS=Field Installed House Side Shield <sup>28,32</sup>		

## NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- DesignLights Consortium™ Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Not compatible with extended quick mount arm (QMEA).
- Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).
- Requires the use of a step down transformer when combined with MS/DIM, MS/X or DIMRF.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
- Factory installed.
- Maximum 8 light squares.
- Maximum 6 light squares.
- 2L is not available with MS/X or MS/DIM at 347V or 480V. 2L in AE-02 through AE-04 requires a larger housing, normally used for AE-05 or AE-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
- Not available with LumaWatt wireless sensors.
- Extended lead times apply. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.
- Extended lead times apply. For 8030, factor 7030 IES files x .92 (8% lumen loss). For 7050, use 7060 IES files.
- 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Galleon luminaire product page on the website.
- 50°C lumen maintenance data applies to 530mA and 700mA drive currents.
- Consult factory for more information.
- Utilizes internal step-down transformer when 347V or 480V is selected.
- The FSIR-100 accessory is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Not available with HA option.
- Approximately 22" detection diameter at 8' mounting height.
- Approximately 40" detection diameter at 20' mounting height.
- Approximately 60" detection diameter at 40' mounting height.
- Approximately 100" detection diameter at 40' mounting height.
- Replace X with number of light squares operating in low output mode.
- LumaWatt wireless sensors are factory installed only requiring network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See [www.eaton.com/lighting](http://www.eaton.com/lighting) for LumaWatt application information.
- Not available with house side shield (HSS).
- Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
- CE is not available with the DIMRF, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only.
- This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- One required for each Light Square.



# Cree Edge™ Series

## LED Pathway Luminaire

### Product Description

Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16x6" anchor bolts with 1-1/4" hook (provided). **Note:** T45 Torx 3/8" socket required for head installation. Top mounted LEDs for superior optical performance and light control.

**Applications:** Landscape, walk-ways and general site lighting

### Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

**CRI:** Minimum 70 CRI

**CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

\* See [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty) for warranty terms

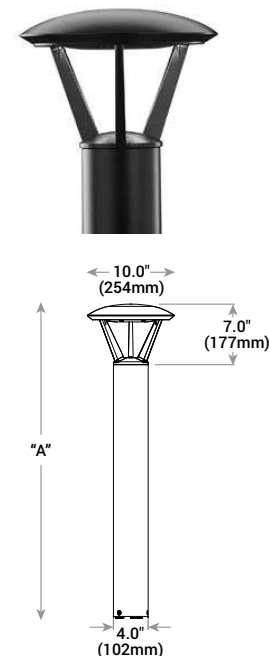
### Accessories

#### Field-Installed

##### Upgrade Kit

- Used for replacement of existing bollards with a bolt hole circle of 5.75" (146mm)

XA-XBP8RSV      XA-XBP8RWH      XA-XBP8RPB  
XA-XBP8RBK      XA-XBP8RBZ



Model	Dim. "A"	Weight*
Landscape (P0)	13" (330mm)	12.7 lbs. (5.8kg)
Landscape (P1)	18" (457mm)	13.3 lbs. (6.0kg)
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs. (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V

### Ordering Information

Example: PWY-EDG-2M-P0-02-E-UL-SV-350

Product	Optic	Mounting	LED Count (x9)	Series	Voltage	Color Options	Drive Current	Options
PWY-EDG	2M Type II Medium 3M Type III Medium 5M Type V Medium SS Type V Short	P0 13" (330mm) landscape P1 18" (457mm) landscape P3 36" (914mm) pathway P4 42" (1067mm) pathway P8 96" (2438mm) pedestrian	02	E	UL Universal 120-277V UH Universal 347-480V - Available with P3, P4, and P8 mounts only 12 120V 27 277V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA - Available with P1, P3, P4, and P8 mounts only	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire F Fuse - When code dictates fusing, use time delay fuse - Refer to ML spec sheet for availability with ML options HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included TL Two-Level (175/525 w/integrated sensor control) - Refer to TL spec sheet for details TL2 Two-Level (0/350 w/integrated sensor control) - Refer to TL spec sheet for details TL3 Two-Level (0/525 w/integrated sensor control) - Refer to TL spec sheet for details WB Welded Base Plate - Standard on P8 mount option, available with P3 and P4 mount - Includes welded base cover





**Job Name:**  
114 Milky Way

**Catalog Number:**  
PWY-EDG-5M-P3-02-E-UL-350-40K

**Type:**

**B**

Notes:

## Cree Edge™ LED Pathway Luminaire

### Product Specifications

#### CONSTRUCTION & MATERIALS

- Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance
- Pole mounts to rugged die cast aluminum internal flange secured by three 3/8"-16x6" anchor bolts with 1-1/4" hook(provided)
- **Note:** T45 Torx 3/8" socket required for head installation
- Top mounted LEDs for superior optical performance and light control
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimension and Weight Chart on page 1

#### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load at 120V
- **Total Harmonic Distortion:** < 20% at full load at 120V
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA

#### Electrical Data\*

LED Count (x9)	System Watts 120-277V	System Watts 347-480V	Total Current					
			120V	208V	240V	277V	347V	480V
350mA								
02	22	28	0.18	0.12	0.10	0.10	0.09	0.13
525mA								
02	34	40	0.29	0.19	0.17	0.15	0.12	0.13

\* Electrical data at 25°C (77°F)

#### Recommended Cree Edge® Series Lumen Maintenance Factors (LMF)<sup>1</sup>

Ambient	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

<sup>1</sup> Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

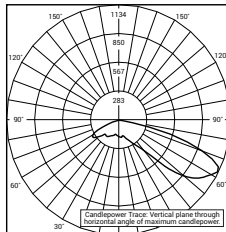




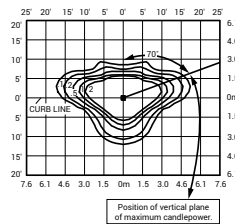
## Cree Edge™ LED Pathway Luminaire

**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: [www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool](http://www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool)

**2M**

RESTL Test Report #: PL5758-001  
PWY-EDG-2M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,549



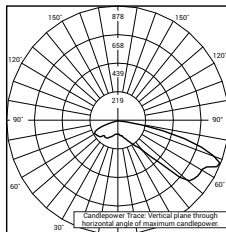
PWY-EDG-2M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 1,565  
Initial FC at grade

**Type II Medium Distribution**

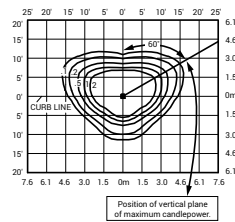
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
<b>350mA</b>				
02	1,565	B1 U0 G1	1,625	B1 U0 G1
<b>525mA</b>				
02	2,191	B1 U0 G1	2,276	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F)

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf)

**3M**

RESTL Test Report #: PL5698-001  
PWY-EDG-3M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,470



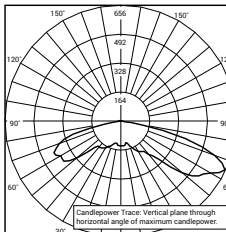
PWY-EDG-3M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 1,389  
Initial FC at grade

**Type III Medium Distribution**

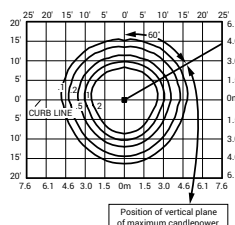
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
<b>350mA</b>				
02	1,389	B1 U0 G1	1,442	B1 U0 G1
<b>525mA</b>				
02	1,944	B1 U0 G1	2,019	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F)

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf)

**5M**

RESTL Test Report #: PL5799-001  
PWY-EDG-5M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,780



PWY-EDG-5M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 1,666  
Initial FC at grade

**Type V Medium Distribution**

LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
<b>350mA</b>				
02	1,666	B1 U2 G1	1,730	B1 U2 G1
<b>525mA</b>				
02	2,333	B2 U2 G2	2,422	B2 U2 G2

\* Initial delivered lumens at 25°C (77°F)

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf)

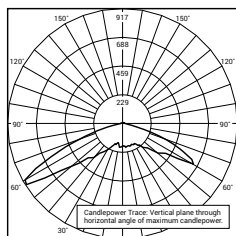


## Cree Edge™ LED Pathway Luminaire

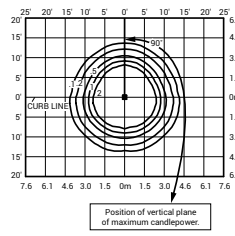
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: [www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool](http://www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool)

5S



RESTL Test Report #: PL5759-001  
PWY-EDG-5S-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,897



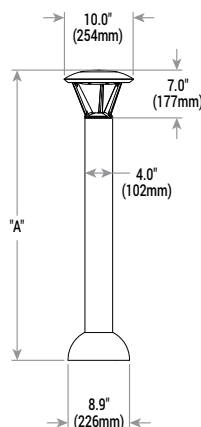
PWY-EDG-5S-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 1,868  
Initial FC at grade

**Type V Short Distribution**

LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
<b>350mA</b>				
02	1,868	B1 U2 G1	1,940	B1 U2 G1
<b>525mA</b>				
02	2,615	B1 U2 G1	2,716	B1 U2 G1

\* Initial delivered lumens at 25°C (77°F)

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:  
[www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf)

**with Welded Base**

Model	Dim. "A"	Weight*
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V



**Job Name:**  
114 Milky Way

**Catalog Number:**  
XTOR3A

Notes:

**Type:**

**W3**

## Lumark

### DESCRIPTION

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

### SPECIFICATION FEATURES

#### Construction

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

#### Optical

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

#### Electrical

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

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

#### Finish

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

#### Warranty

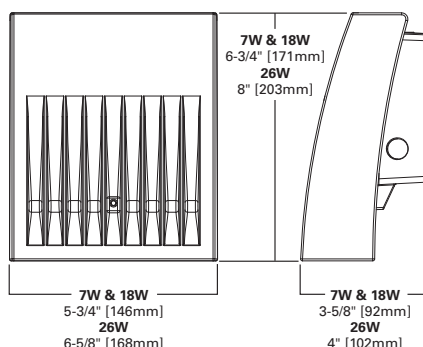
Five-year warranty.



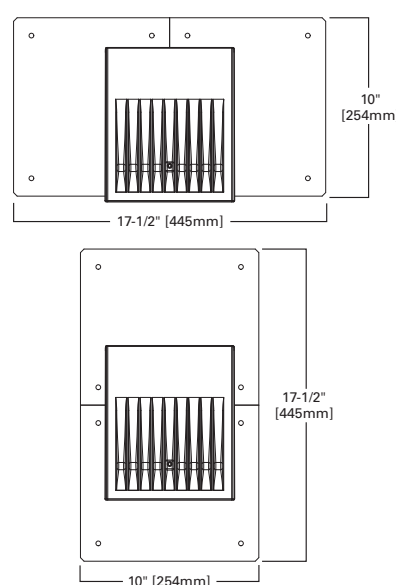
## XTOR CROSSTOUR LED

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

### DIMENSIONS



### ESCUTCHEON PLATES



### CERTIFICATION DATA

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

### TECHNICAL DATA


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

### EPA

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

### SHIPPING DATA:

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

Submitted by Enterprise Lighting, LTD.		<b>Catalog Number:</b> XTOR3A	<b>Type:</b>  <b>W3</b>
	<b>Job Name:</b> 114 Milky Way		
		<b>Notes:</b>	

**XTOR** CROSSTOUR LED

#### LUMEN MAINTENANCE

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

#### LUMENS - CRI/CCT TABLE

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

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

#### CURRENT DRAW

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

#### ORDERING INFORMATION

Sample Number: XTOR2A-N-WT-PC1

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

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

#### STOCK ORDERING INFORMATION

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

#### 5-DAY QUICK SHIP ORDERING INFORMATION

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

EW3612

High powered LED exterior single light wall mount fixture, with stylish relaxed arch design and three different color arrangements with two tone colors of inner white with charcoal, black or white exterior metal finishes. Concealed inside is our 120V AC LED technology which radiates light either upward or downward depending how it is mounted on the wall, 7W, 3000K with 260\* delivered lumens fully dimmable. Can be mounted horizontal or vertical, certified ETL wet location listed and is available in two sizes.

Product 574 of 633

- SPECIFICATIONS
- SERIES
- DOWNLOADS
- PARTS
- REVIEWS



SPECIFICATIONS



FIXTURE DIMENSIONS	H4-3/4" x L11-3/4" x E3-3/4"
LAMP TYPE	LED Board, Built-in
WATTAGE	7W
VOLTAGE	120V
TOTAL LUMENS	600lm
DELIVERED LUMENS	260lm*
COLOR TEMPERATURE	3000K
OPTIONAL COLOR TEMPS	2700K - 5000K Available, MOQ May Apply
CRI (Ra)	>80
LED RATED LIFE	50,000 hours
METAL FINISH(S)	Black, Charcoal & White
CATEGORY	Wet Location
DIMMABLE	Yes
DIMMING PERCENTAGE	100% - 10%
TYPE OF DIMMER	ELV Dimmer (Not Included)
LOCATION	Outdoor
WARRANTY	1 Year
WAR LED BOARD ONLY	5 Year
SUGGESTED DIMMERS:	<a href="#">Click Here</a>

(\*) = Preliminary figures, on some products

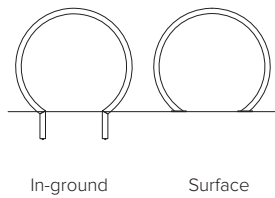
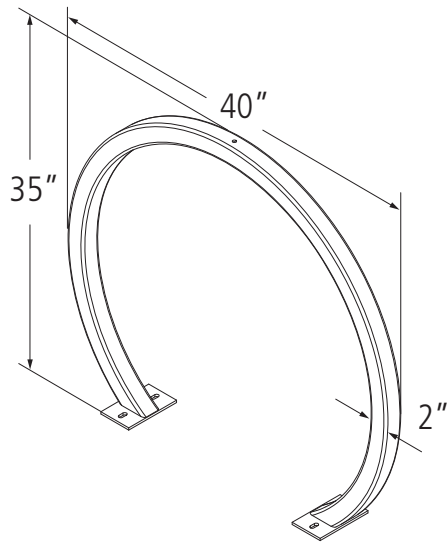
METAL FINISH





# ARC RACK

## Submittal Sheet



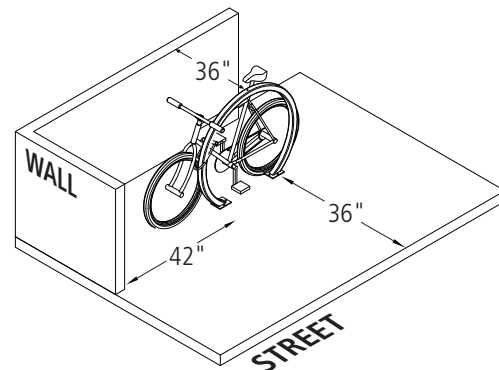
**CAPACITY** 2 Bikes

**MATERIALS** 2" x 2" x 11g square tube

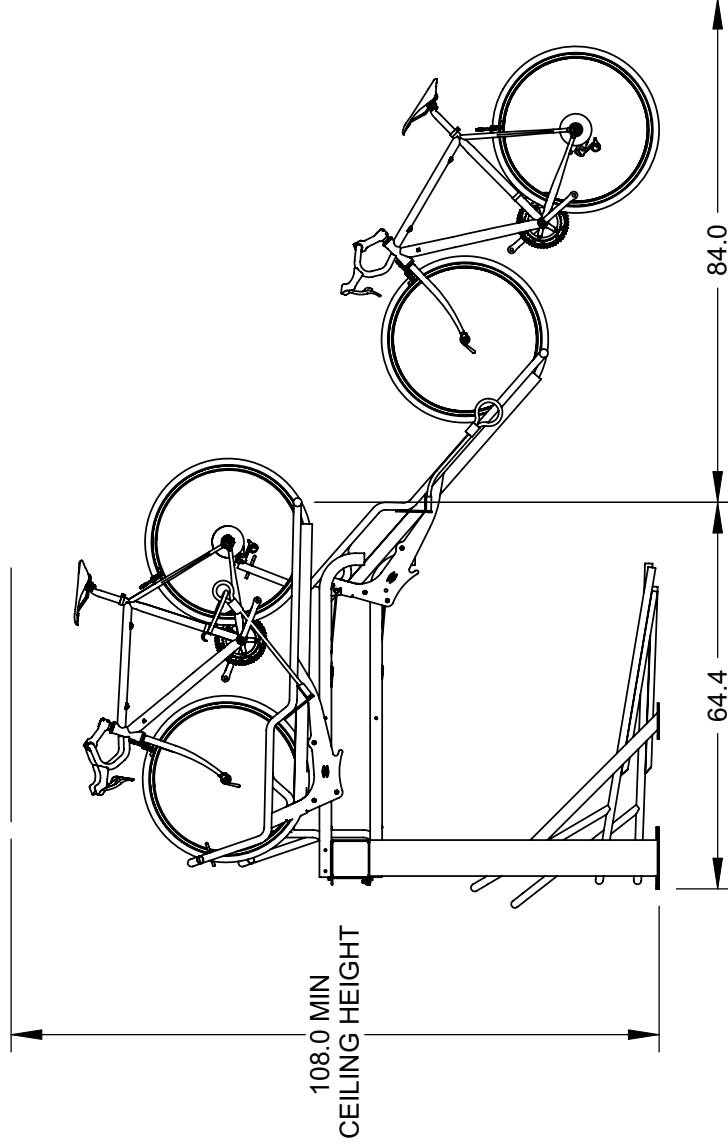
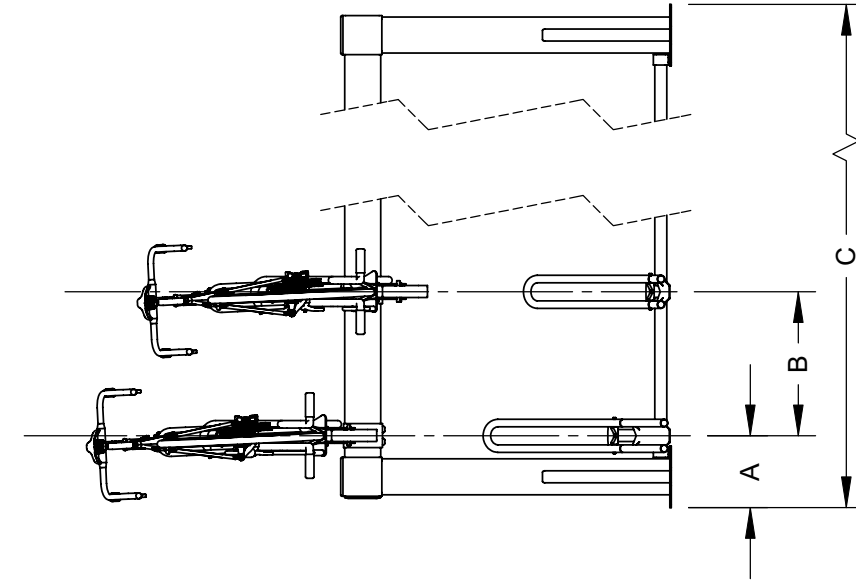
- FINISHES**
- ☐ **Galvanized**  
An after fabrication hot dipped galvanized finish is our standard option.
  - ☒ **Powder Coat**  
Our powder coat finish assures a high level of adhesion and durability by following these steps:  
1. Sandblast  
2. Epoxy primer electrostatically applied  
3. Final thick TGIC polyester powder coat
  - ☐ **Thermoplastic**  
In addition to an increased thickness (8-10mils), the thermoplastic finish covers a galvanized layer and offers superior impact resistance over powder coating.
  - ☐ **Stainless**  
Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

- MOUNT OPTIONS**
- ☐ **In-ground**  
In ground mount is embedded into concrete base. Specify in ground mount for this option.
  - ☒ **Surface**  
Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option.

**SETBACKS**



**DERO**  
A PLAYCORE Company



108.0 MIN  
CEILING HEIGHT

#### NOTE:

1. RECOMMENDED BIKE SPACING. BIKES CAN BE SPACED AT CUSTOMERS SPECIFIC REQUIREMENTS.
2. ALL DIMENSIONS ARE BASED ON FITTING 8 BIKES PER OVERALL LENGTH OF RACK.

# OF BIKES	A - STARING DIM.	B - BIKE SPACING	C - OVERALL LENGTH
16	12"	18"	150"
16	12"	20"	164"
16	12"	24"	192"



## SARIS CYCLING GROUP

5253 VERONA RD., MADISON WI. 53711  
1-800-783-7257 / 1-608-274-1702  
WWW.SARISPARKING.COM

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TITLE:

**SARIS STACK RACK**

WE BRING CYCLING TO LIFE