



# 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: 04/05/2017

UDC Meeting Date: 04/26/2017

Combined Schedule Plan Commission Date (if applicable): \_\_\_\_\_

☐ Informational Presentation

☒ Initial Approval

☒ Final Approval

1. Project Address: 2318 S. Stoughton Road Madison, WI 53716

Project Title (if any): Blain's Supply - Stoughton Road Property

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: Neal VanLoo

Street Address: P.O. Box 5391

Telephone: (608) 754-2821

Fax: ( ) \_\_\_\_\_

Company: Blain Supply, Inc.

City/State: Janesville, WI

Zip: 53547-5391

Email: NVanLoo@blainsupply.com

Project Contact Person: Ron Locast

Street Address: 749 University Row, Suite 300

Telephone: (608) 274-2741

Fax: ( ) \_\_\_\_\_

Company: Potter Lawson, Inc.

City/State: Madison, WI

Zip: 53705

Email: ronl@potterlawson.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 \_\_\_\_\_ on \_\_\_\_\_

(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 Neal VanLoo

Relationship to Property Owner's Representative

Authorized Signature [Signature]

Date April 4, 2017

## 5. Submission Requirements

**Application:** Each submittal must include **14 collated paper copies** (11" x 17" max.) and an **electronic copy** of all application materials. The electronic copy must include individual Adobe Acrobat PDF files compiled either on a non-returnable CD-ROM submitted with the paper copies, or in an e-mail sent to: [UDCAplications@cityofmadison.com](mailto:UDCAplications@cityofmadison.com). The transmittal shall include the name of the project, address, and applicant. Applicants unable to provide the materials electronically should contact the Secretary of the Urban Design Commission at 267-8740 for assistance. For an application to be considered complete and scheduled for a UDC meeting, both the paper copies and electronic copy need to be submitted prior to the application deadline. Late materials will not be accepted. An application is required for each UDC appearance. For projects also requiring Plan Commission approval, applicants must have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be easily read when reduced.

**Fees:** Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer, Madison, Wisconsin.

**Project Plans:** The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

### 1. Informational Presentation

- ☐ Locator Map
- ☐ Brief Narrative Description of the Project, Site Plan, and 2-dimensional images of proposed buildings or structures. Additional information may provide for a greater level of feedback from the Commission.
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Any and all relevant plans and information on which feedback from the UDC is requested.

### 2. Initial Approval

- ☒ Locator Map
- ☒ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☒ Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- ☒ Landscape Plan and Plant List
- ☒ Building Elevations for all building sides
- ☐ PD text and letter of intent (if applicable)

### 3. Final Approval

- ☒ Locator Map
- ☒ Site Plan showing location of existing and proposed buildings
- ☒ Grading Plan
- ☒ Landscape Plan
- ☒ Plant List, including scientific name, size at planting, quantity and root condition for each species.
- ☒ Building Elevations for all building sides, colored with shadow lines, including exterior building materials and colors.
- ☐ Proposed Signage
- ☒ Lighting Plan, including fixture cut sheets and photometrics plan
- ☒ Utility/HVAC equipment location and screening details
- ☐ PD text and letter of intent (if applicable)
- ☒ Samples of the exterior building materials (presented at the UDC meeting)

Signage: The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Initial Approval

- ☐ Locator Map
- ☐ Signage as it relates to the Sign Control Ordinance provisions for Variances or Comprehensive Design Review of Signage
- ☐ Site Plan (show location of all existing and proposed buildings, and all existing and proposed signage, specifying which existing signs, if any, are to be removed)
- ☐ Scale drawing of each proposed sign, including awning graphics
- ☐ Photographs of site

2. Final Approval

- ☐ Locator Map
  - ☐ Signage as it relates to the Sign Control Ordinance provisions for Variances or Comprehensive Design Review of Signage
  - ☐ Site Plan (show location of all existing and proposed buildings, and all existing and proposed signage, specifying which existing signs, if any, are to be removed)
  - ☐ Scale drawing of each proposed sign, including awning graphics
  - ☐ Description and/or samples of materials and colors for each proposed sign
  - ☐ Photographs of site
  - ☐ Context of signs in surrounding parcels, in addition to the site being discussed
- 

**\*NOTE:** If supplemental perspective renderings are provided, an emphasis should be placed on providing pedestrian/automobile scale viewsheds, in addition to the other required graphics.

**\*NOTE:** If applying for final approval without having received initial approval, all materials required for initial approval will be required.

NOTICE REGARDING LOBBYING ORDINANCE: If you are seeking approval of a development that has over 40,000 square feet of non-residential space, or a residential development of over 10 dwelling units, or if you are seeking assistance from the City with a value of \$10,000 (including grants, loans, TIF, or similar assistance), then you likely are subject to Madison's lobbying ordinance (Sec. 2.40, MGO). You are required to register and report your lobbying. Please consult the City's Clerk's Office for more information. Failure to comply with the lobbying ordinance may result in fines.
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## Urban Design Commission Approval Process

### INTRODUCTION

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

### TYPES OF APPROVALS

Informational Presentation. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback.

Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary design information.

Final Approval. Applicants may request final approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

### PRESENTATIONS TO THE COMMISSION

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. The applicant is encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.





March 30, 2017

Mr. Alan Martin  
Department of Planning & Community & Economic Development  
City of Madison  
126 S. Hamilton Street  
Madison, WI 53709

Subject: Letter of Intent – **Urban Design Commission Review (2318 S. Stoughton Road)**

Dear Mr. Martin:

On behalf of our Client, Blain Supply, Inc., thank you for your consideration of our intent to modify the existing automotive repair building and parking area located at 2318 S. Stoughton Road in the City of Madison. Please find enclosed the City of Madison Urban Design Commission Application, Application Fee, and required Application Submittal Materials.

The property includes an automotive repair building, gravel and asphalt driveways, gravel storage lot and billboard with base easement. There are two access points to the site onto the South Stoughton Road Service Road.

The proposal includes utilizing the existing building as an ancillary storage facility to meet the needs of our Client, modifying the existing asphalt parking area to meet current City of Madison standards, removing one of the access points, and removing existing gravel/pavement area to meet maximum lot coverage requirements. Curb and gutter will also be installed with curb cuts to improve drainage in the parking area, and two bike parking stalls will be installed per City of Madison standards. Please refer to the attached sheet C100 for additional site information.

Specifically, please note the following as it relates to this proposal:

- Construction Schedule                      06/01/2017 – 09/01/2017
- Project Team
  - Applicant / Owner                              Neal VanLoo  
Blain Supply, Inc.  
P.O. Box 5391  
Janesville, WI 53547-5391  
(608) 754-2821  
[NVanLoo@blainsupply.com](mailto:NVanLoo@blainsupply.com)
  - Architect    Ron Locast  
Potter Lawson, Inc.  
749 University Row, Suite 300  
Madison, WI 53705



(608) 274-2741  
[ronl@potterlawson.com](mailto:ronl@potterlawson.com)

Site / Civil

Wade P. Wyse, P.E.  
Wyser Engineering  
312 E. Main Street  
Mt. Horeb, WI 53572  
(608) 437-1980  
[wade.wyse@wyserengineering.com](mailto:wade.wyse@wyserengineering.com)

Landscape

The Bruce Company  
2830 Parmenter Street  
Middleton, WI 53562

- |                       |                    |                 |
|-----------------------|--------------------|-----------------|
| • Hours of Operation  | 8:00 am – 9:00 pm  | Monday – Friday |
|                       | 8:00 am – 8:00 pm  | Saturday        |
|                       | 9:00 am – 6:00 pm  | Sunday          |
| • Area of Lot         | 0.84 acres         |                 |
| • Number of Employees | 10 (largest shift) |                 |

The project cost and number of construction jobs created have not been determined. There is no public subsidy requested.

Again, thank you for your consideration. If you have any questions or require additional information, please do not hesitate to contact our office.

Respectfully,

WYSER ENGINEERING, LLC

A handwritten signature in blue ink that reads "Wade P. Wyse". The signature is written in a cursive, flowing style.

Wade P. Wyse, P.E.  
Principal – Project Manager

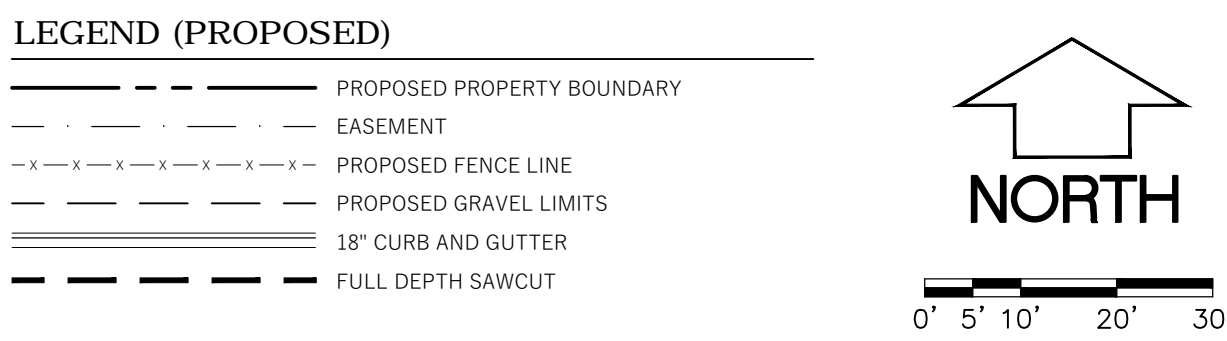
Enclosures: Urban Design Commission Application Form  
Application Submittal Materials

# City of Madison - Permit Set



# CD01





UNDERLYING FINE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SHOWN ON THE ATTACHED PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DATA AND SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO OBTAIN ALL NECESSARY ELEVATIONS, GRADINGS AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.

THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE BENCHMARK LOCATION. CONSTRUCTION ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.

CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LANE IF REQUIRED.

WORKING ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY CONTRACTOR OR CONTRACT FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.

IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLETS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR ROADWORK.

SITE ADDRESS: 2638 SOUTH STOUGHTON ROAD  
SITE ACREAGE: 38.59 SQ FT (0.84 AC)  
USE OF PROPERTY: AUTOMOTIVE REPAIR  
ZONING: COMMERCIAL CORRIDOR - TRANSITIONAL DISTRICT (CC-TD)  
  
SETBACKS:  
FRONT YARD:  
BACK YARD: 20 FEET  
SIDE YARD: 5 FEET  
  
NUMBER OF EMPLOYEES: 5-10  
  
TOTAL NUMBER OF PARKING STALLS: 8  
NUMBER OF STALLS DESIGNATED AS ACCESSIBLE: 1  
  
TOTAL NUMBER OF BIKE STALLS: 2  
  
EXISTING IMPERVIOUS SURFACE AREA: 34,500 SQ.FT.  
ROOFTOP: 4,000 SQ.FT.  
PAVED: 30,450 SQ.FT.  
  
POST DEVELOPMENT IMPERVIOUS SURFACE AREA: 31,105 SQ.FT.  
ROOFTOP: 4,000 SQ.FT.  
PAVED: 27,055 SQ.FT.  
  
DISTURBANCE LIMITS: 3,000 SQ. FT.

**PRELIMINARY**  
NOT FOR CONSTRUCTION

2318 S. Stoughton Road  
Madison, Wisconsin 53716

[illegible]

**DIGGERS HOTLINE**  
Toll Free (800) 242-8511 -or- 811  
Hearing Impaired TDD (800) 542-2289  
[www.DiggersHotline.com](http://www.DiggersHotline.com)

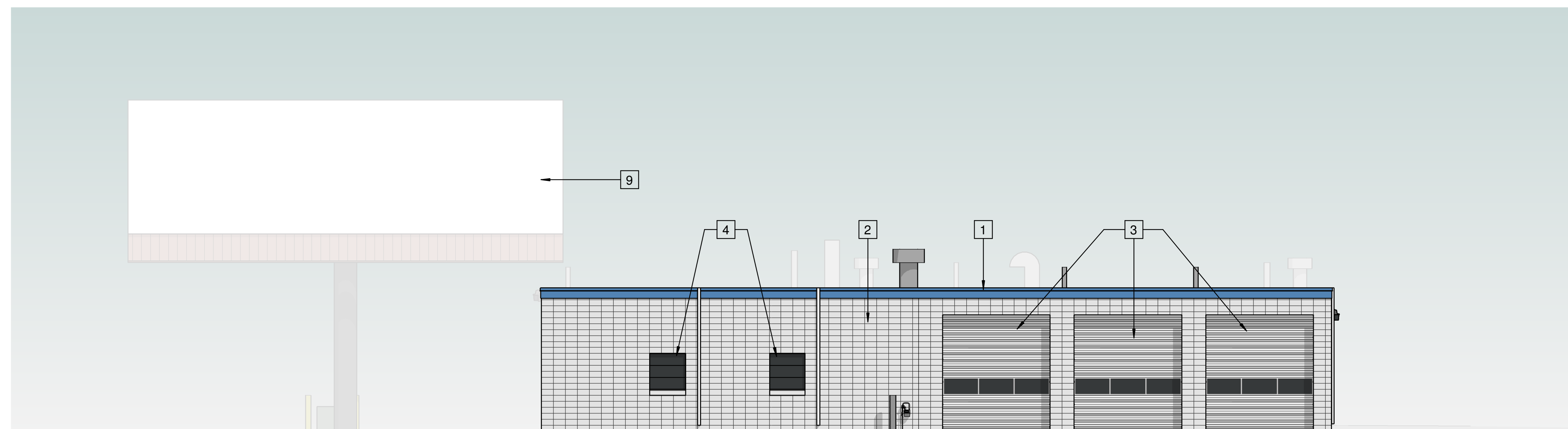
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# C100

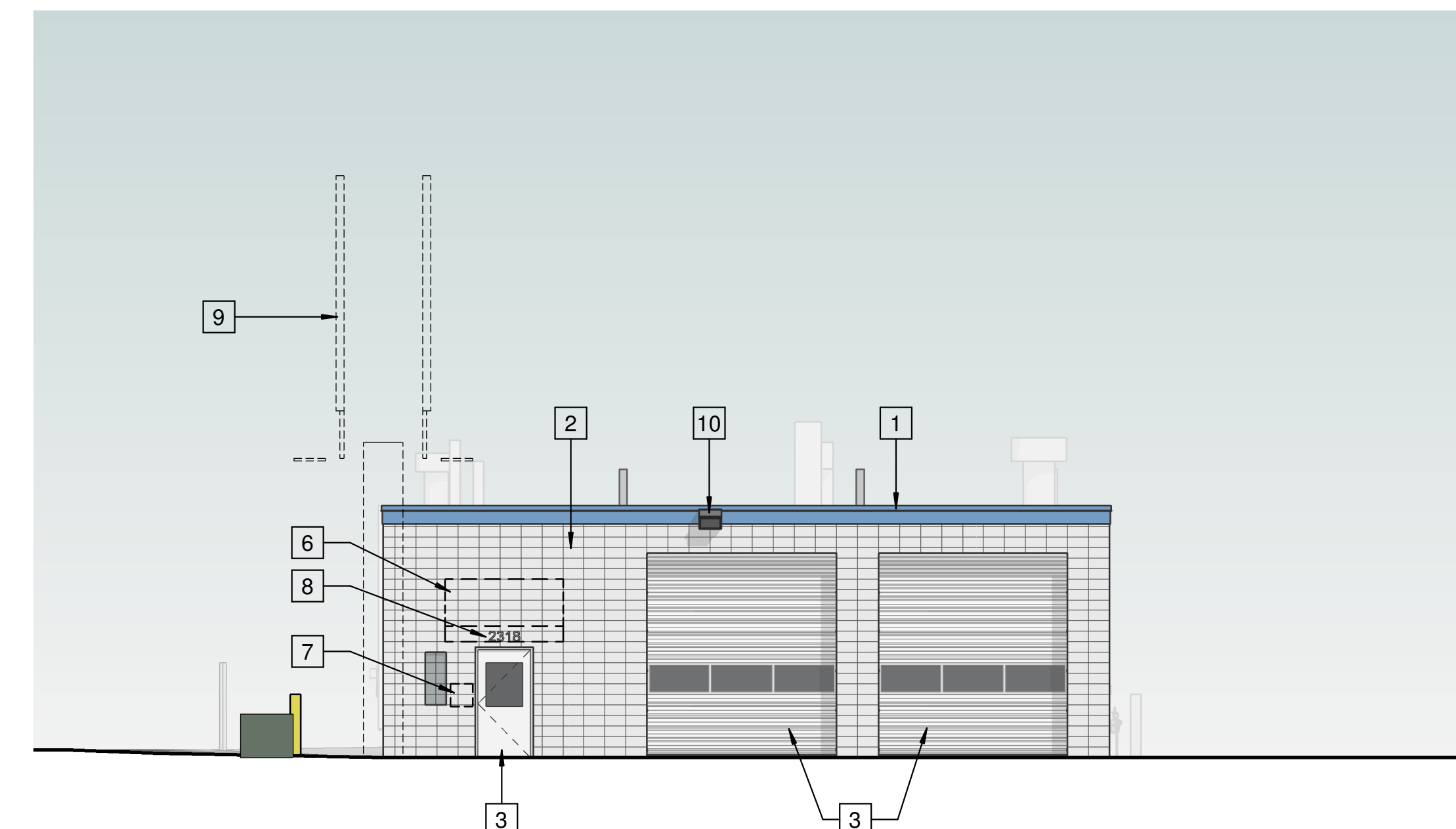




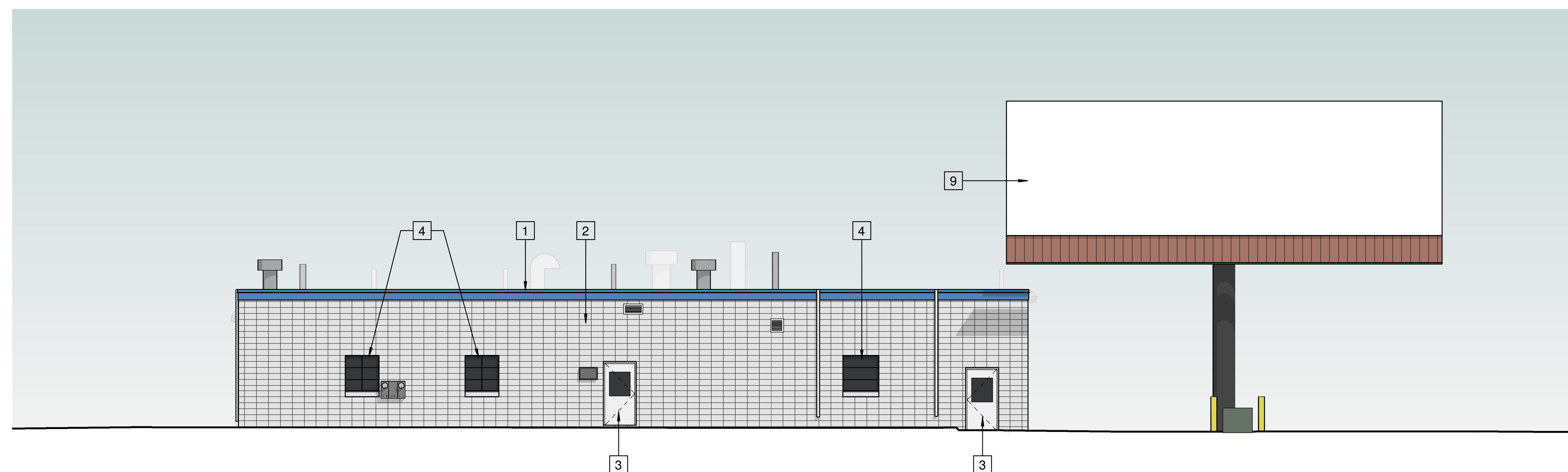




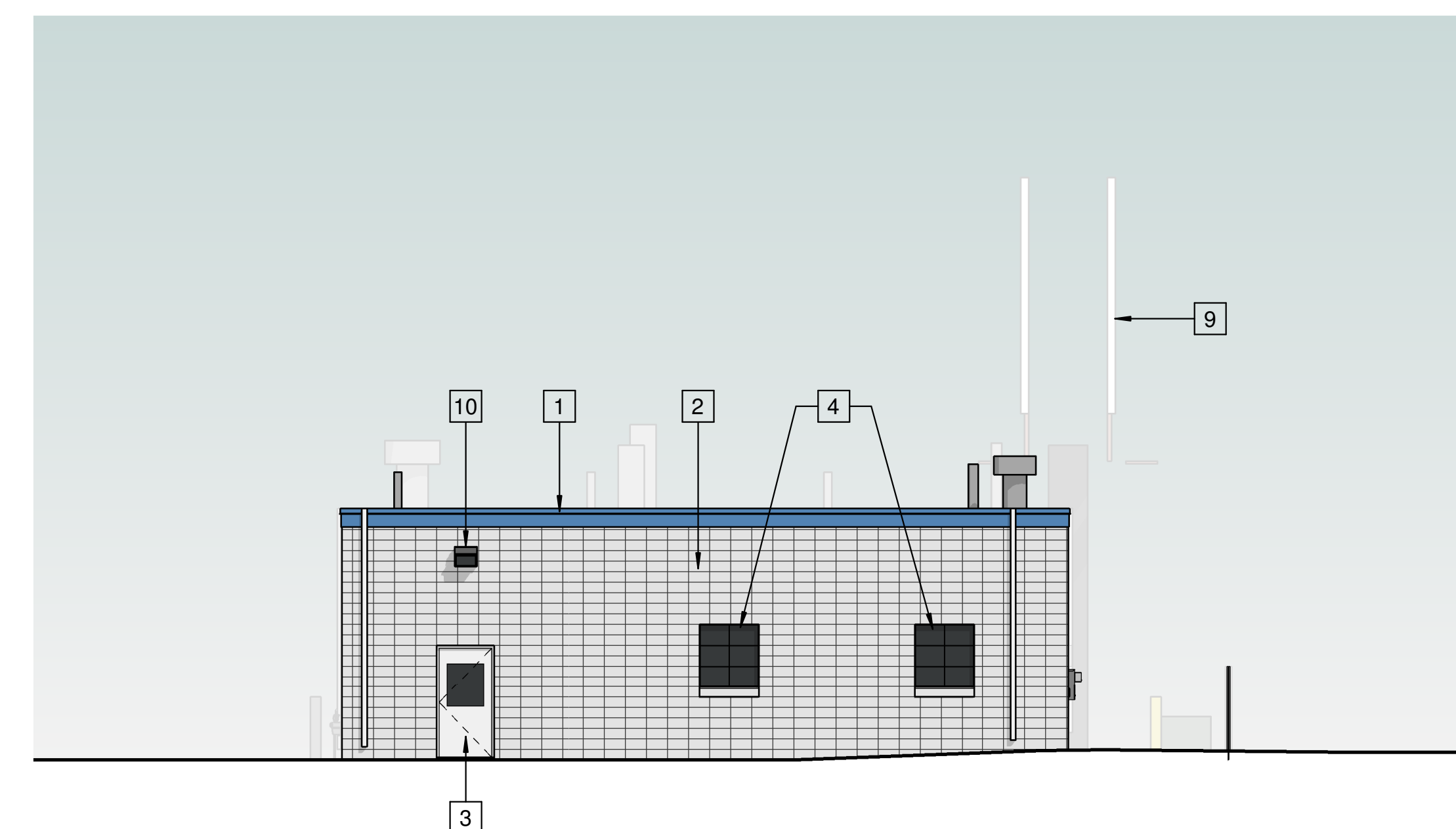
1 North Elevation  
A201 1/8" = 1'-0"



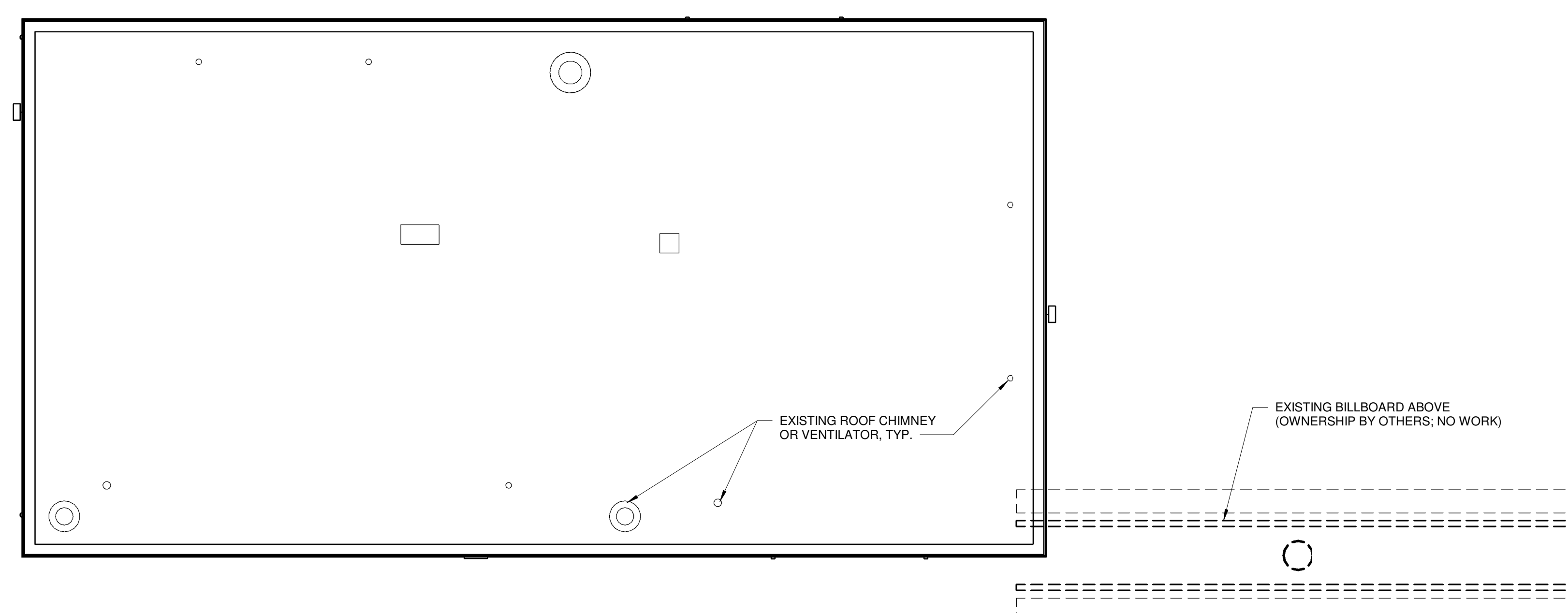
2 East Elevation  
A201 1/8" = 1'-0"



3 South Elevation  
A201 1/8" = 1'-0"



4 West Elevation  
A201 1/8" = 1'-0"



5 ROOF PLAN  
A201 1/8" = 1'-0"

Notes:

### GENERAL NOTES

1. REMOVE ALL EXISTING SIGNAGE ON BUILDING

KEY NOTES:

- 1 CLEAN AND PAINT ROOF EDGE & FASCIA - MATCH ALCOLEX DM 1111 "SIGNAL BLUE"
- 2 CLEAN AND PAINT BLOCK WALL - MATCH SHERWIN WILLIAMS 7004 "SNOWBOUND"
- 3 CLEAN AND PAINT DOORS - MATCH SHERWIN WILLIAMS 7004 "SNOWBOUND"
- 4 CLEAN AND PAINT WINDOW FRAMES - MATCH SHERWIN WILLIAMS 7067 "CITYSCAPE"
- 5 NOT USED
- 6 REMOVE CANOPY
- 7 REMOVE KEY DROP BOX
- 8 ADDRESS, PAINT 8" NUMBERS ON BLOCK - MATCH SHERWIN WILLIAMS 7067 "CITYSCAPE"
- 9 EXISTING BILLBOARD  
(OWNERSHIP BY OTHERS, NO WORK)
- 10 EXISTING WALL-MOUNTED LIGHT FIXTURE

**PRELIMINARY**  
NOT FOR CONSTRUCTION

Blain's Supply -  
Stoughton Road Property

2318 S. Stoughton Road  
Madison, Wisconsin 53716

2016.44.00

[illegible]

## Building Elevations

# A201

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4/5/2017 9:28:37 AM



Plant Material List

Broadleaf Deciduous

Quantity	Code Name	Common Name	Scientific Name	Planting Size
1	USM	Unity Sugar Maple	Acer Saccharum 'jefcan'	2" B&B
2	CCP	Chanticleer Callery Pear	Pyrus Calleryana 'chanticleer'	2" B&B

Conifer Evergreen

Quantity	Code Name	Common Name	Scientific Name	Planting Size
3	SGJ	Sea Green Juniper	Juniperus Chinen 'sea green'	#5 CONT.
9	DAR	Danica Arborvitae	Thuja Occidentalis 'danica'	#2 CONT.

Perennial

Quantity	Code Name	Common Name	Scientific Name	Planting Size
3	KFG	Karl Foerster's Feather Reed Grass	Calamagrostis Acutiflora 'karl Foerster'	#2 CONT.
2	PMG	Purple Maiden Grass	Miscanthus Sinensis Var Purpurescens	#1 CONT.

Shrub

Quantity	Code Name	Common Name	Scientific Name	Planting Size
3	GBC	Glossy Black Chokeberry	Aronia Melanocarpa Var Elata	#5 CONT.
2	DBH	Dwf Bush-Honeysuckle	Diervilla Lonicera	#5 CONT.

GENERAL NOTES

- A) Areas labeled "Brown Colored Wood Mulch" to receive a mixture of recycled wood mulch, colored brown, spread to a 3" depth over pre-emergent herbicide.
- B) Individual trees (and shrub groupings) found along perimeter of property as well as those found within lawn areas to receive wood mulch rings (and wood mulch beds) consisting of a mixture of recycled wood mulch, colored brown, spread to a minimum 3" depth (3" wide beds for shrub groupings).
- C) "Vinyl Edging" to be Valley View Black Diamond Vinyl Edging or equivalent.
- D) Areas labeled "washed stone" to receive 1-1/2" washed stone spread to a 3" depth over fabric weed barrier.
- E) "Seed" areas shall be finish-graded and seeded at a rate of 4 lbs. per 1,000 sq. ft.
- F) Seed shall consist of the following mixture:  
10% Palmer IV Perennial Ryegrass  
20% Dragon Kentucky Bluegrass  
20% Dura Kentucky Bluegrass  
20% Foxy II Creeping Red Fescue  
15% Vail II Perennial Ryegrass  
15% Ginny Kentucky Bluegrass
- G) Areas labeled "Seed/Mat" shall be seeded with the above-noted premium lawn seed mixture and overlaid Class 1 100% Bio-degradable erosion control netting that is then pegged into the soil with Bio-degradable staples.
- H) Areas labeled "Sod" shall receive only No. 1 grade nursery-grown bluegrass sod.
- I) Plant beds adjacent to building foundation to be mulched with 1-1/2" diameter washed stone mulch spread to a 3" depth over fabric weed barrier.
- J) Existing street trees shall be protected. Contractor shall install tree protection fencing in the area between the curb and sidewalk and extend it at least 5 feet from both sides of the tree along the length of the terrace. No excavation is permitted within 5 feet of the outside edge of the tree trunk. If excavation within 5 feet of any tree is necessary, contractor shall contact City Forestry (608)266-4816 prior to excavation to assess the impact to the tree and root system. Tree pruning shall be coordinated with City Forestry. Tree protection specifications can be found in section 107.13 of City of Madison Standard specifications for Public Works Construction.  
<http://www.cityofmadison.com/business/pw/documents/StdSpecs/2013/Part1.pdf>.
- K) Contractor shall contact City Forestry (608)266-4816 at least one week prior to installing street trees to schedule inspecting the nursery stock and reviewing landscaping specifications with the landscaper.

MADISON LANDSCAPE WORKSHEET

Zoning district is C3L  
Total square footage of developed area .....7,798 SF  
Total square footage of first 5 acres of developed area + 300 square feet = .....26 Landscape Units  
Total square footage of 0 additional acres of developed area + 100 square feet = .....0 Landscape Units

NUMBER OF LANDSCAPE POINT REQUIRED  
26 Landscape Units x 5 landscape points for first 5 acres..... 130 points  
0 Landscape Units x 1 landscape point for additional 0 acres.....0 points  
TOTAL LANDSCAPE POINTS REQUIRED.....130 points

PLANT TYPE or ELEMENT	Point Value	NEW		EXISTING		
		Qty.	Points Achieved	Qty.	Points Achieved	
Overstory Deciduous Tree : 2-1/2" (dbh)	35	3	105			
Tall Evergreen Tree : 5-6 feet tall	35					
Ornamental Tree : 1-1/2" Caliper (dbh)	15					
Upright Evergreen Shrub : 3-4 feet tall	10					
Shrub, deciduous : 3 gallon / 12"-24"	3	5	15			
Shrub, evergreen : 3 gallon / 12"-24"	4	12	48			
Ornamental grass/perennial : 1gallon / 8"-18"	2	5	10			
Ornamental / Decorative fencing or wall	4 per 10 Lf.					
Existing significant specimen tree	14 per Cal. In.					
Landscape furniture for public seating and /or transit connections	5 per 'seat'					
Sub Totals			178	+		TOTAL POINTS PROVIDED = 178

Street Frontage Landscape Required

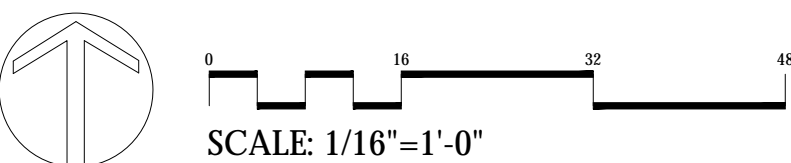
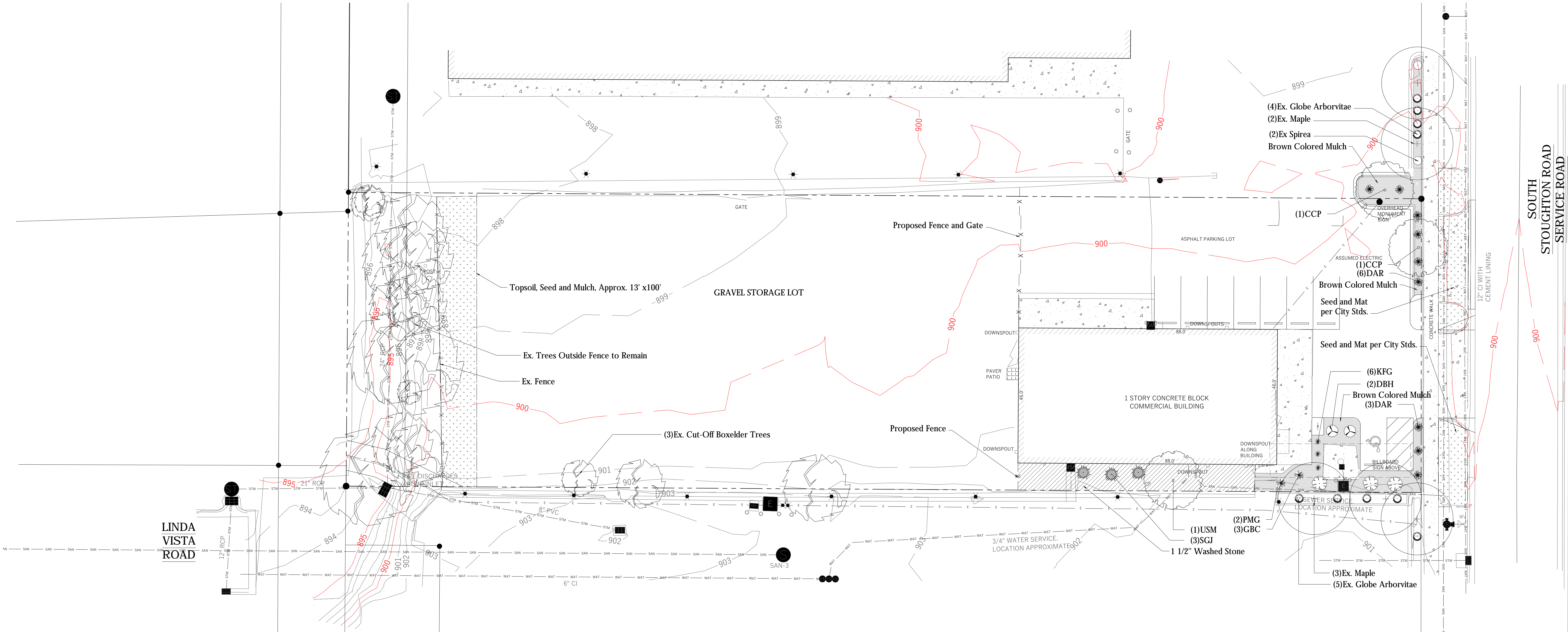
Street Frontage = 100 LF  
Canopy Trees Required: 1 per 30 LF Frontage = 3  
Shrubs Required : 5 per 30 LF Frontage = 15

Street Frontage Landscape Supplied

Proposed Canopy Trees.....3  
Proposed Shrubs = .....17



*Richard J. Strohmenger*



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Potter  
Lawson

Success by Design



2830 Parmenter Street  
Middleton, WI 53562  
608.836.7041  
[brucecompany.com](http://brucecompany.com)

Notes:

PRELIMINARY  
NOT FOR CONSTRUCTION

Blain's Supply -  
Stoughton Road Property

2318 S. Stoughton Road  
Madison, Wisconsin 53716

2016.44.00

Date	Issuance/Revisions	Symbol
02/27/2017	PERMIT SET	
04/05/2017	CITY OF MADISON	

and a Plan

L1



GENERAL NOTES	
1.	REFER TO SHEET E101 FOR PHOTOMETRIC DISPERSION PATTERN INDICATING INTENSITY OF LIGHT.
2.	REFER TO SHEET E101 FOR LUMINAIRE SCHEDULE.
3.	REFER TO SUPPLEMENTAL SPECIFICATION SHEETS FOR DETAILED INFORMATION ABOUT SCHEDULED LUMINAIRES.

1. REFER TO SHEET E101 FOR PHOTOMETRIC DISPERSION PATTERN INDICATING INTENSITY OF LIGHT.
2. REFER TO SHEET E101 FOR LUMINAIRE SCHEDULE.
3. REFER TO SUPPLEMENTAL SPECIFICATION SHEETS FOR DETAILED INFORMATION ABOUT SCHEDULED LUMINAIRES.

## Success by Design

1800 DEMING WAY SUITE 200,  
MIDDLETON, WISCONSIN 53562  
608.223.6600 FAX: 608.836.0415  
www.kjww.com KJWW#15.1071.00

STRUCTURAL | MECHANICAL | ELECTRICAL | TECHNOLOGY

**Notes:**

## Blain's Supply - Stoughton Road Property

2318 S. Stoughton Road  
Madison, Wisconsin 53716

2016.44.00

Date	Issuance/Revisions	Synoid
04/05/2017	City of Madison	

[illegible]

## SITE PLAN - LIGHTING

# E100

**K J**  
**W W**

**ENGINEERING  
CONSULTANTS**

The FUTURE.  
Built SMARTER.®

802 WEST BROADWAY, SUITE 312  
MADISON, WISCONSIN 53713-1839  
608.223.9600 FAX: 608.223.9601  
[www.kjww.com](http://www.kjww.com)  
PROJECT #17000455.00

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REFERENCE SCALE IN INCHES

© 2016 Potter Lawson, Inc.







# LITEPAK SERIES LNC3

Cat.#

Job

Type



**HUBBELL**  
Outdoor Lighting

Approvals

## SPECIFICATIONS

### Intended Use:

The mid-sized LNC3 is designed for perimeter illumination for safety, security and identity. No uplight and lower glare lens option offer neighbor friendly lighting at typical mounting heights of 10-20'. Units have protective polyester finish for long lasting appearance. Ideal for schools, factories, hospitals, warehouses and retail applications. Energy efficient LEDs provide 70%+ energy savings with little to no maintenance when compared to traditional light sources.

### Construction:

Die-cast aluminum housing protects components and provides an architectural appearance. Casting thermally conducts LED heat to optimize performance and long life. Powder paint finish provides durability in outdoor environments. Four 1/2" conduit entries (top, bottom, and sides) provided for surface conduit.

### Electrical:

- 120-277, 347 and 480 voltage, 50/60Hz, 0-10V dimming drivers
- Electronic driver
- 10kA surge protection (parallel); Automatically takes fixture off-line when device is consumed

### LED(s) CCT:

- Ambient operating temperature -40°C to 40°C
- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Available in 2 or 24 LED configuration, see page 2 for electrical and photometric data

### Lenses:

- Zero uplight distributions using individual acrylic LED optics provide IES type II, III and IV distributions
- CS - Frosted acrylic diffuser option for reduced glare

- CSU - Frosted acrylic diffuser for inverted "up" mounting applications (lens required)

### Lumen Maintenance:

L89 at 60,000 hrs (Projected per IESNA TM-21-11), see table on page 2 for all values

### Installation:

Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance.

Designed for direct j-box mount or conduit feed on all four sides in single SKU.

### Options/Controls:

- Button photocontrol for dusk to dawn energy savings
- 7-pin photo-receptacle available for twist lock photocell and controls by others
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- In addition, LITEPAK can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbelllighting.com/sitesync](http://www.hubbelllighting.com/sitesync) for more details.

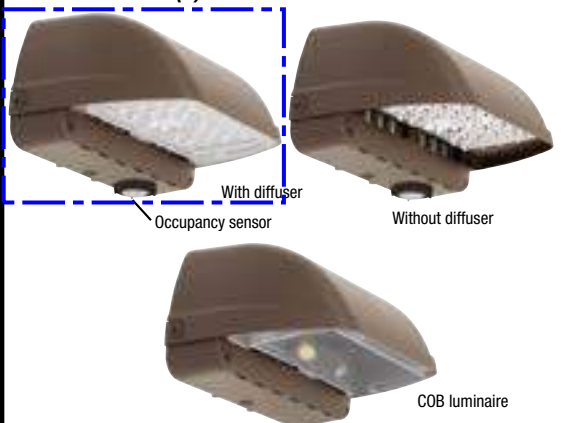
### Listings:

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 Assembly • IDA Approved (3000K configurations)

### Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

## PRODUCT IMAGE(S)



## DIMENSIONS

A	B	C	D	E	Weight / BBU
13"	10.5"	9.9"	5.8"	8.3"	18 lbs.
330.2 mm	266.7 mm	251 mm	147.3 mm	210.8 mm	8.6 kg

## SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC3-24L	16.0 (7.3)	15.8 (40)	11.0 (28)	13 (33)	1

## CERTIFICATIONS/LISTINGS



C US



\*3000K and warmer CCTs only

## ORDERING INFORMATION – ORDERING EXAMPLE: LNC3-24L-3K-105-2-1-DB-7PR-SCP

FAMILY	NUMBER OF LEDS	CCT	DRIVE CURRENT	IES DISTRIBUTION	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS
LNC3 Medium Litepak Wallpack	24L 24LEDs	3K 3000K 4K 4000K 5K 5000K	050 <sup>6</sup> 500mA 075 750mA 105 1050mA	2 Type II 3 Type III 4 Type IV	U 120v-277v 1 120v <sup>1</sup> 2 208v <sup>1</sup> 3 240v <sup>1</sup> 4 277v <sup>1</sup> 5 480v <sup>1</sup> F 347v <sup>1</sup>	DB Bronze BL Black WH White GR Gray PS Platinum CC Custom Color	PCU Universal Button PC 7PR <sup>7</sup> 7pin PCR SCP <sup>3,4</sup> Programmable occupancy sensor SWP <sup>8</sup> SiteSync pre-commissioned SWPM <sup>8,9</sup> SiteSync pre-commissioned w/ occupancy sensor	F <sup>1</sup> Fusing (must specify voltage per footnote) CS Frosted acrylic diffuser CSU <sup>2</sup> Inverted/Up mounting frosted acrylic diffuser (required for up/inverted fixture installations, factory install only see page 3) E <sup>1,5</sup> Integral battery backup rated for 0° EH <sup>1,5</sup> Integral battery backup with heater rated for -30°C

## STOCK ORDERING INFORMATION – COB MODELS

CATALOG NUMBER	DESCRIPTION	DISTRIBUTION	WATTAGE	LUMENS	LPW	VOLTAGE	# OF DRIVERS @ DRIVE CURRENT	WEIGHTS LBS. (KGS)
LNC3-2L4K-075	2 LED - 60W Configuration, 4000K, Dark Bronze	Type IV	62.0	5,857	94.8	120-277	1 @ 750mA	16(7.3)
LNC3-2L4K-105	2 LED - 90W Configuration, 4000K, Dark Bronze		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L5K-105	2 LED - 90W Configuration, 5000K, Dark Bronze		87.4	7,288	82.0		1 @ 1050mA	
LNC3-2L4K-105-7PR	2 LED - 90W Configuration, 4000K, Dark Bronze, 7-Pin		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L4K-105-SCP	2 LED - 90W Configuration, 4000K, Dark Bronze, SCP		87.4	7,721	86.1		1 @ 1050mA	



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## REPLACEMENT PART/ACCESSORIES

CATALOG NUMBER	DESCRIPTION
<b>LNC3-CS</b>	Frosted acrylic diffuser reduces surface brightness and glare with a roughly 20% lumen reduction
<b>SCP-REMOTE</b>	Remote control for SCP option. Order at least one per project to program and control fixtures
<b>SWUSB**</b>	SiteSync loaded on USB flash drive (Windows based only)
<b>SWTAB**</b>	SiteSync Windows Tablet
<b>SWBRG+</b>	SiteSync Wireless Bridge Node

**LIGHT LOSS FACTOR 0.80**

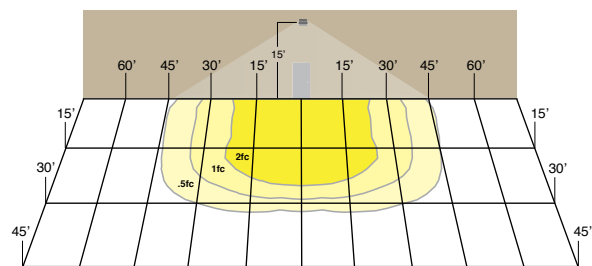
\* Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V or 277V only

\*\* When ordering with SiteSync, one of the following interface options must be chosen an ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.

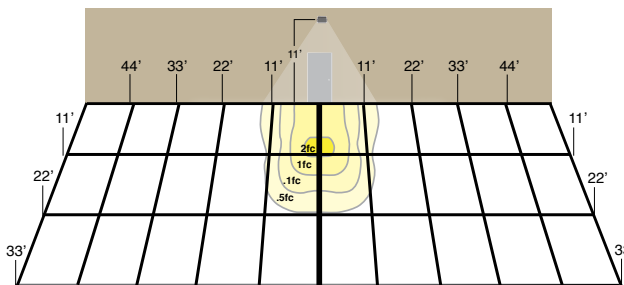
+ If needed, an additional Bridge Node can be ordered.

## PHOTOMETRICS

## PHOTOMETRICS - BATTERY BACK UP



LNC3-24L-4K-105-3-U at 15' Mounting Height



11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

## PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>
24	500mA	41	2	4,143	101	4,057	99	3,858	94
			3	4,076	99	3,991	97	3,797	93
			4	4,104	100	4,019	98	3,823	93
	750mA	60	2	5,918	99	5,795	97	5,512	92
			3	5,823	97	5,702	95	5,424	90
			4	5,863	98	5,741	96	5,461	91
	1050mA	83	2	7,630	92	7,472	90	7,107	86
			3	7,508	90	7,352	89	6,993	84
			4	7,559	91	7,402	89	7,041	85

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## EMERGENCY PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>
4	N/A	N/A	E	671	N/A	657	N/A	591	N/A
24	500mA	41	2E	4,192	102	4,105	100	3,905	95
			3E	4,125	101	4,039	99	3,842	94
			4E	4,153	101	4,067	99	3,869	94
	750mA	60	2E	5,989	100	5,865	98	5,578	93
			3E	5,893	98	5,771	98	5,489	91
			4E	5,933	99	5,810	97	5,527	92

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 <sup>1</sup> L96 60,000	100,000	L70 (hours)
25°C / 77°F	1.00	0.97	0.94	0.93	0.89	>296,000
40°C / 104°F	1.00	0.95	0.91	0.89	0.83	>191,000

1. Projected per IESNA TM-21-11 \* (Nichia 219C, 1050mA, 85°C, 10,000 hrs)

Data references the extrapolated performance projections for the LNC3-24L-105 base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	1.02
10° C	1.01
20° C	1.00
25° C	1.00
30° C	1.00
40° C	0.99

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).



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## ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
24	500mA	120	0.34	41
		277	0.15	41
		347	0.12	41
		480	0.09	41
	750mA	120	0.50	60
		277	0.22	60
		347	0.17	60
		480	0.13	60
	1050mA	120	0.69	83
		277	0.30	83
		347	0.24	83
		480	0.17	83

## SCP - Programmable Occupancy Sensor



Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%)

Visit: <http://www.hubbelllighting.com/solutions/controls/> for control application information

## CSU – INVERTED MOUNTING OPTION (Requires Factory Installed lens option)



Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser option softens output, improves uniformity and protects LED lenses.

## 7PR-7-PIN RECEPTACLE (Photocontrol and Wireless Controls by Others)



Standard NEMA 7-Pin receptacle for twist lock photocell or wireless controls (by others).

## E & EH EMERGENCY BATTERY BACKUP



24 High Power LEDs generate up to 6,000 lumens in Normal Mode, and use 4 LEDs for up to 700 lumens in emergency.

## SWP & SWPM - SiteSync™



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

### Precommissioned SiteSync Ordering Information:

When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project locations Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture selection of the lens.

Examples: LNC3-24L-4K-075-3-U-BL-SWP  
LNC3-24L-4K-075-3-U-BL-SWPM-20F

SiteSync only  
SiteSync with Motion Control

# LITEPAK SERIES LNC3

Cat.#

Job

Type



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Approvals

## SPECIFICATIONS

### Intended Use:

The mid-sized LNC3 is designed for perimeter illumination for safety, security and identity. No uplight and lower glare lens option offer neighbor friendly lighting at typical mounting heights of 10-20'. Units have protective polyester finish for long lasting appearance. Ideal for schools, factories, hospitals, warehouses and retail applications. Energy efficient LEDs provide 70%+ energy savings with little to no maintenance when compared to traditional light sources.

### Construction:

Die-cast aluminum housing protects components and provides an architectural appearance. Casting thermally conducts LED heat to optimize performance and long life. Powder paint finish provides durability in outdoor environments. Four 1/2" conduit entries (top, bottom, and sides) provided for surface conduit.

### Electrical:

- 120-277, 347 and 480 voltage, 50/60Hz, 0-10V dimming drivers
- Electronic driver
- 10kA surge protection (parallel); Automatically takes fixture off-line when device is consumed

### LED(s) CCT:

- Ambient operating temperature -40°C to 40°C
- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Available in 2 or 24 LED configuration, see page 2 for electrical and photometric data

### Lenses:

- Zero uplight distributions using individual acrylic LED optics provide IES type II, III and IV distributions
- CS - Frosted acrylic diffuser option for reduced glare

- CSU - Frosted acrylic diffuser for inverted "up" mounting applications (lens required)

### Lumen Maintenance:

L89 at 60,000 hrs (Projected per IESNA TM-21-11), see table on page 2 for all values

### Installation:

Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance.

Designed for direct j-box mount or conduit feed on all four sides in single SKU.

### Options/Controls:

- Button photocontrol for dusk to dawn energy savings
- 7-pin photo-receptacle available for twist lock photocell and controls by others
- Occupancy sensor options available for complete on/off and dimming control
- SiteSync pre-commissioned wireless controls (with or without sensor)
- In addition, LITEPAK can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit [www.hubbelllighting.com/sitesync](http://www.hubbelllighting.com/sitesync) for more details.

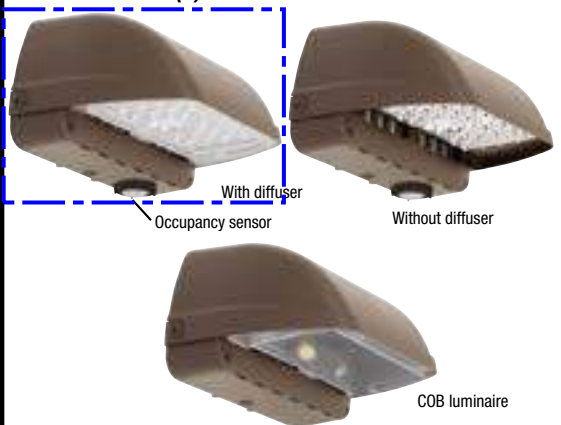
### Listings:

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 Assembly • IDA Approved (3000K configurations)

### Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

## PRODUCT IMAGE(S)



## DIMENSIONS

A	B	C	D	E	Weight / BBU
13"	10.5"	9.9"	5.8"	8.3"	18 lbs.
330.2 mm	266.7 mm	251 mm	147.3 mm	210.8 mm	8.6 kg

## SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC3-24L	16.0 (7.3)	15.8 (40)	11.0 (28)	13 (33)	1

## CERTIFICATIONS/LISTINGS



C US



\*3000K and warmer CCTs only

## ORDERING INFORMATION – ORDERING EXAMPLE: LNC3-24L-3K-105-2-1-DB-7PR-SCP

FAMILY	NUMBER OF LEDS	CCT	DRIVE CURRENT	IES DISTRIBUTION	VOLTAGE	FINISH	CONTROL OPTIONS	OPTIONS
LNC3 Medium Litepak Wallpack	24L 24LEDs	3K 3000K 4K 4000K 5K 5000K	050 <sup>6</sup> 500mA 075 750mA 105 1050mA	2 Type II 3 Type III 4 Type IV	U 120v-277v 1 120v <sup>1</sup> 2 208v <sup>1</sup> 3 240v <sup>1</sup> 4 277v <sup>1</sup> 5 480v <sup>1</sup> F 347v <sup>1</sup>	DB Bronze BL Black WH White GR Gray PS Platinum CC Custom Color	PCU Universal Button PC 7PR <sup>8</sup> 7pin PCR SCP <sup>3,4</sup> Programmable occupancy sensor SWP <sup>8</sup> SiteSync pre-commissioned SWPM <sup>8,9</sup> SiteSync pre-commissioned w/ occupancy sensor	F <sup>1</sup> Fusing (must specify voltage per footnote) CS Frosted acrylic diffuser CSU <sup>2</sup> Inverted/Up mounting frosted acrylic diffuser (required for up/inverted fixture installations, factory install only see page 3) E <sup>1,5</sup> Integral battery backup rated for 0° EH <sup>1,5</sup> Integral battery backup with heater rated for -30°C

## STOCK ORDERING INFORMATION – COB MODELS

CATALOG NUMBER	DESCRIPTION	DISTRIBUTION	WATTAGE	LUMENS	LPW	VOLTAGE	# OF DRIVERS @ DRIVE CURRENT	WEIGHTS LBS. (KGS)
LNC3-2L4K-075	2 LED - 60W Configuration, 4000K, Dark Bronze	Type IV	62.0	5,857	94.8	120-277	1 @ 750mA	16(7.3)
LNC3-2L4K-105	2 LED - 90W Configuration, 4000K, Dark Bronze		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L5K-105	2 LED - 90W Configuration, 5000K, Dark Bronze		87.4	7,288	82.0		1 @ 1050mA	
LNC3-2L4K-105-7PR	2 LED - 90W Configuration, 4000K, Dark Bronze, 7-Pin		87.4	7,721	86.1		1 @ 1050mA	
LNC3-2L4K-105-SCP	2 LED - 90W Configuration, 4000K, Dark Bronze, SCP		87.4	7,721	86.1		1 @ 1050mA	



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## REPLACEMENT PART/ACCESSORIES

CATALOG NUMBER	DESCRIPTION
<b>LNC3-CS</b>	Frosted acrylic diffuser reduces surface brightness and glare with a roughly 20% lumen reduction
<b>SCP-REMOTE</b>	Remote control for SCP option. Order at least one per project to program and control fixtures
<b>SWUSB**</b>	SiteSync loaded on USB flash drive (Windows based only)
<b>SWTAB**</b>	SiteSync Windows Tablet
<b>SWBRG+</b>	SiteSync Wireless Bridge Node

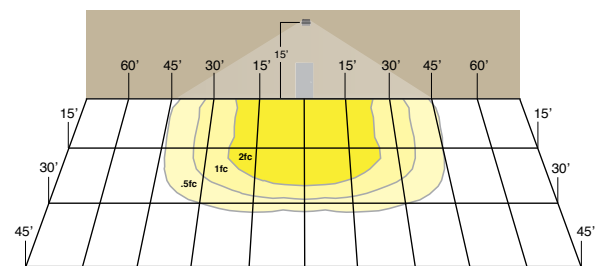
**LIGHT LOSS FACTOR 0.80**

\* Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V or 277V only

\*\* When ordering with SiteSync, one of the following interface options must be chosen an ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.

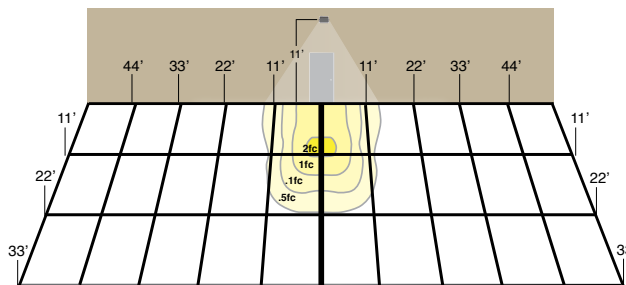
† If needed, an additional Bridge Node can be ordered.

## PHOTOMETRICS



LNC3-24L-4K-105-3-U at 15' Mounting Height

## PHOTOMETRICS - BATTERY BACK UP



11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

## PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>
24	500mA	41	2	4,143	101	4,057	99	3,858	94
			3	4,076	99	3,991	97	3,797	93
			4	4,104	100	4,019	98	3,823	93
	750mA	60	2	5,918	99	5,795	97	5,512	92
			3	5,823	97	5,702	95	5,424	90
			4	5,863	98	5,741	96	5,461	91
	1050mA	83	2	7,630	92	7,472	90	7,107	86
			3	7,508	90	7,352	89	6,993	84
			4	7,559	91	7,402	89	7,041	85

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## EMERGENCY PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 70 CRI)	
				LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>
4	N/A	N/A	E	671	N/A	657	N/A	591	N/A
24	500mA	41	2E	4,192	102	4,105	100	3,905	95
			3E	4,125	101	4,039	99	3,842	94
			4E	4,153	101	4,067	99	3,869	94
	750mA	60	2E	5,989	100	5,865	98	5,578	93
			3E	5,893	98	5,771	98	5,489	91
			4E	5,933	99	5,810	97	5,527	92

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 <sup>1</sup> L96 60,000	100,000	L70 (hours)
25°C / 77°F	1.00	0.97	0.94	0.93	0.89	>296,000
40°C / 104°F	1.00	0.95	0.91	0.89	0.83	>191,000

1. Projected per IESNA TM-21-11 \* (Nichia 219C, 1050mA, 85°C, 10,000 hrs)

Data references the extrapolated performance projections for the LNC3-24L-105 base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	1.02
10° C	1.01
20° C	1.00
25° C	1.00
30° C	1.00
40° C	0.99

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).



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## ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
24	500mA	120	0.34	41
		277	0.15	41
		347	0.12	41
		480	0.09	41
	750mA	120	0.50	60
		277	0.22	60
		347	0.17	60
		480	0.13	60
	1050mA	120	0.69	83
		277	0.30	83
		347	0.24	83
		480	0.17	83

## SCP - Programmable Occupancy Sensor



Sensor offers greater control and energy savings with SCP programmable sensor with adjustable delay and dimming levels (Factory default is 10%)

Visit: <http://www.hubbelllighting.com/solutions/controls/> for control application information

## CSU – INVERTED MOUNTING OPTION (Requires Factory Installed lens option)



Inverted mounting capabilities for uplighting applications. Specially designed frosted acrylic diffuser option softens output, improves uniformity and protects LED lenses.

## 7PR-7-PIN RECEPTACLE (Photocontrol and Wireless Controls by Others)



Standard NEMA 7-Pin receptacle for twist lock photocell or wireless controls (by others).

## E & EH EMERGENCY BATTERY BACKUP



24 High Power LEDs generate up to 6,000 lumens in Normal Mode, and use 4 LEDs for up to 700 lumens in emergency.

## SWP & SWPM - SiteSync™



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

### Precommissioned SiteSync Ordering Information:

When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project locations Group information, and Operating schedules. For more detailed information please visit [www.HubbellLighting.com/products/sitesync](http://www.HubbellLighting.com/products/sitesync) or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture selection of the lens.

Examples: LNC3-24L-4K-075-3-U-BL-SWP  
LNC3-24L-4K-075-3-U-BL-SWPM-20F

SiteSync only  
SiteSync with Motion Control



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LNC3-SPEC 1/17

# LNC SERIES

Cat.#

Job

Type



**HUBBELL**  
Outdoor Lighting

Approvals

## SPECIFICATIONS

### Intended Use:

The compact LED LNC is designed for entry/perimeter illumination for safety, security and identity. Typical mounting height is up to 12 feet with 40ft fixture spacing (without acrylic diffuser) and 30ft spacing with acrylic diffuser installed. Photocontrol option is available to provide dusk-to-dawn control for additional energy savings.

### Construction:

Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for long life – 60,000 hours minimum LED life at L96 rating per IESNA TM-21-11. Powder paint finishes provide lasting appearance in outdoor environments.

### Optics/Electrical

#### LED:

Drivers are 120-277V, 50/60Hz Type II, III and Type IV lenses provide wide lateral spread.

0-10V dimming 120-277V only.

- LNC5L – 5 LEDs, Types II, III or IV available, see page 2 for electrical details
- LNC7L – 7 LEDs, Type II, III or IV available, see page 2 for electrical details
- LNC9L – 9 LEDs, Types II, III or IV available, see page 2 for electrical details
- 3000K - 80 CRI, 4000K - 70 CRI, and 5000K - 70 CRI, CCT nominal
- Minimum operating temperature is -40°C/-40°F
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion

### Lenses:

Full cut-off distribution; Ambient diffuser included, use for applications near entrances or locations where reduced brightness is desired.

### Installation:

Quick mount adapter provides quick installation, designed for recessed box 4" square junction box.

### Listings:

Listed and labeled to UL 1598 for wet locations, 25° C ambient environments. Some models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details:

<http://www.designlights.org/QPL>

- IES Progress Award Winner - 2012

### Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

## PRODUCT IMAGE(S)



LNC-5L



LNC-7L



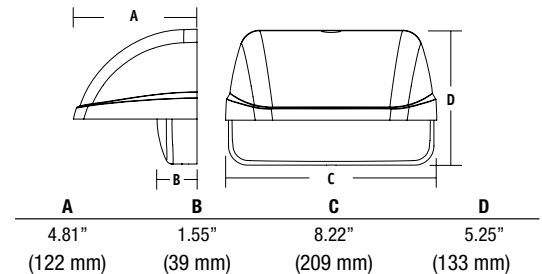
LNC-9L



With diffuser



## DIMENSIONS



## SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LNC-5LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2
LNC-7LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2
LNC-9LU	9.6 (4.36)	14.5 (37)	9.6 (24.5)	6.8 (17.5)	2

## CERTIFICATIONS/LISTINGS



\*3000K and warmer CCTs only

## ORDERING INFORMATION

ORDERING EXAMPLE: LNC-9LU-5K-3-1-PC1

SERIES	NUMBER OF LEDs	VOLTAGE	CCT	IES DISTRIBUTION	FINISH	OPTIONS
LNC	5L <sup>3</sup> 5 LEDs 7L <sup>3</sup> 7 LEDs 9L <sup>3</sup> 9 LEDs	U 120V-277V 1 120V 2 208V 3 240V 4 277V	3K 3000K nominal, 70 CRI 4K 4000K nominal, 70 CRI 5K <sup>3</sup> 5000K nominal	2 Type II 3 <sup>3</sup> Type III 4 <sup>3</sup> Type IV	1 Bronze 2 Black 3 Gray 4 White 5 Platinum	PC(X) <sup>1</sup> Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V
AM <sup>2</sup> Amber (590 µm available for "Turtle Friendly"/observatory applications, 350 mA (consult factory))						

<sup>1</sup> When PC is ordered, input must match PC voltage

<sup>2</sup> Amber LEDs only available on 7LU and 9LU configurations, 350 mA only

<sup>3</sup> DesignLights Consortium (DLC) qualified 5/7/9 models 5K only: LNC-9LU-5K-4, LNC-9LU-5K-3, LNC-7LU-5K-4, LNC-7LU-5K-3, LNC-5LU-5K



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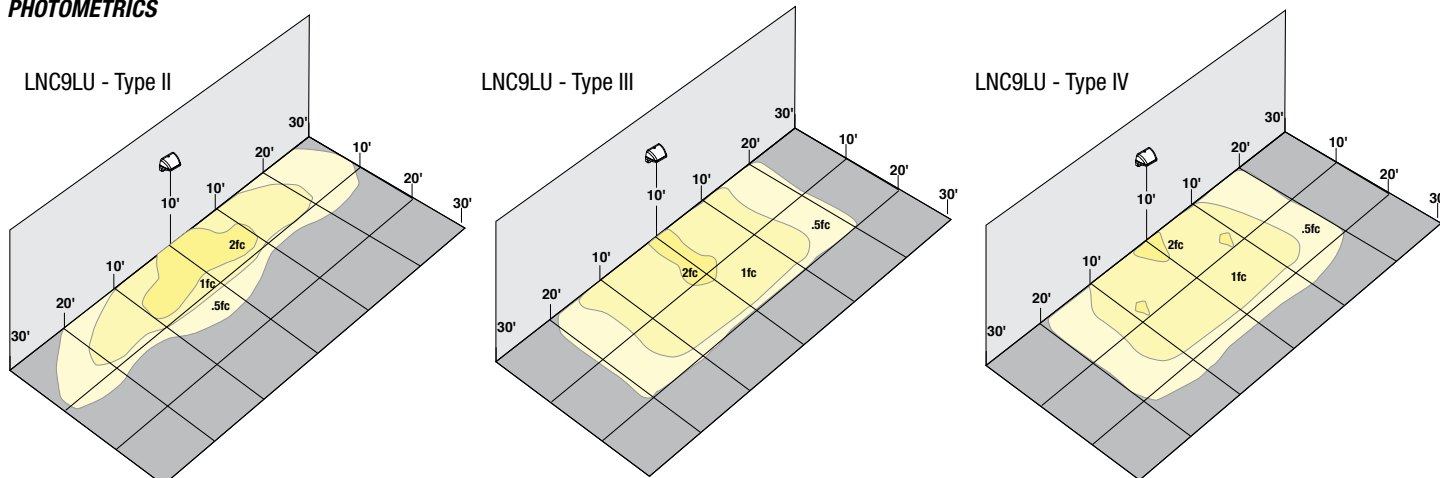
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LAREDO LNC-SPEC 8/16

## REPLACEMENT PART

CATALOG NUMBER	DESCRIPTION
93039574	Frosted comfort shield, improved uniformity with only 5% reduction

## PHOTOMETRICS



## PERFORMANCE DATA

				5K (5000K nominal, 70 CRI)		4K (4000K nominal, 70 CRI)		3K (3000K nominal, 80 CRI)		AM ( $<580$ nm wave-length)		
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	LPW <sup>1</sup>	LUMENS	SYSTEM WATTS	LPW <sup>1</sup>
5	STD. (700mA) AM (350mA)	13W	2	1,150	88.5	1,052	81	883	68			
			3	1,132	87	1,077	83	833	64			
			4	1,146	88	1,053	81	849	65			
7		17W	2	1,515	89	1,369	80.5	1,272	75			
			3	1,500	88	1,539	90.5	1,392	82	268	6.6	59
			4	1,557	91.5	1,535	90	1,425	84			
9		22W	2	2,069	94	2,033	92	1,588	72			
			3	2,024	92	1,989	90	1,623	74			
			4	2,095	95	2,059	93.5	1,680	76	382	8.3	46

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application. Please consult IES files for BUG ratings.

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	50,000	TM-21-11 <sup>1</sup> L96 60,000	100,000	
25°C / 77°F	1.00	0.98	0.97	0.96	0.95	>791,000
40°C / 104°F	0.99	0.98	0.96	0.96	0.94	>635,000

1. Projected per IESNA TM-21-11 \* (Nichia 219B, 700mA, 85°C Ts, 10,000hrs)  
Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER
0° C	1.02
10° C	1.01
20° C	1.00
25° C	1.00
30° C	1.00
40° C	0.99
50° C	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

## ELECTRICAL DATA

# OF LEDS	DRIVE CURRENT (mA)	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
5	1	STD. (700mA)	120	0.11	13
			277	0.05	13
7	1	STD. (700mA)	120	0.14	17
			277	0.07	17
9	1	STD. (700mA)	120	0.17	22
			277	0.09	22



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LNC-SPEC 8/16



Duracraft

PEAK  
WASH  
WASH

PUMP  
PUMP

GREEN  
BAGS  
ANTI-STATIC