

**APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL**

AGENDA ITEM# _____
Project # _____

DATE SUBMITTED: <u>_Aug 11, 2010_____</u>	Action Requested
UDC MEETING DATE: <u>_August 18, 2010_____</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: **_1552 University Avenue (Wisconsin Energy Institute)_____**

ALDERMANIC DISTRICT: **_5_____**

OWNER/DEVELOPER (Partners and/or Principles):

State of Wisconsin, Dept. of Administration_____

UW System Board of Regents_____

University of Wisconsin - Madison_____

ARCHITECT/DESIGNER/OR AGENT:

Jim Moravec_____

Potter Lawson Architects_____

15 Ellis Potter Court_____

Madison, WI 53744_____

608-274-2741 608-274-3674 (fax)

jimm@potterlawson.com_____

CONTACT PERSON:

Gary A. Brown, ASLA – Director, Campus Planning_____

Address: **610 Walnut Street; Madison, WI 53726_____**

Phone: **608-263-3023_____** Fax: **608-265-3139_____**

E-mail address: **gbrown@fpm.wisc.edu_____**

TYPE OF PROJECT:

(See Section A for:)

- Planned Unit Development (PUD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
 - Planned Community Development (PCD)
 - General Development Plan (GDP)
 - Specific Implementation Plan (SIP)
 - Planned Residential Development (PRD)
 - New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
 - School, Public Building of Space (fee may be required)
 - New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 S.F.
 - Planned Commercial Site
- (See Section B for:)
- New Construction or Exterior Remodeling in C4 District (Fee required)
- (See Section C for:)
- R.P.S.M. Parking Variance (Fee required)
- (See Section D for:)
- Comprehensive Design Review* (Fee Required)
 - Street Graphics Variance* (Fee Required)
- Other _____

* Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)

Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.

**Wisconsin Energy Institute
University of Wisconsin – Madison
1552 University Avenue**

Zoning text: PUD-GDP/SIP

Legal Description: The lands subject to this Planned Unit Development shall include those described in the attached survey.

- A. Statement of Purpose: This zoning district is established to allow for the construction of a university academic research lab building.
- B. Permitted Uses:
 - 1. Those that are stated as permitted uses in the OR Zoning District.
 - 2. Uses accessory to permitted uses as listed above.
 - 3. University Academic Research laboratory building
- C. Lot Area: As stated in survey, attached hereto.
- D. Floor Area Ratio:
 - 1. Maximum floor area ratio permitted is 3.5.
 - 2. Maximum building height shall be 6 stories, or as shown on approved plans.
- E. Yard Requirements: Yard areas will be provided as shown on the approved plans.
- F. Landscaping: Site landscaping will be provided as shown on the approved plans.
- G. Accessory off-Street Parking & Loading: Accessory off-Street Parking & Loading will be provided as shown on the approved plans.
- H. Lighting: Site Lighting will be provided as shown on the approved plans.
- I. Signage: Signage will be provided as per Chapter 31 of the Madison General Ordinances, as compared to the OR District, or signage will be provided as approved on the recorded plans.
- J. Family Definition: The family definition of this PUD-SIP shall coincide with the definition given in Chapter 28.03(2) of the Madison General Ordinances for the OR Zoning District.
- K. Alterations and Revisions: No alteration or revision of this planned unit development shall be permitted unless approved by the City Plan Commission, however, the Zoning Administrator may issue permits for minor alterations or additions which are approved by the Director of Planning and Development and the alderperson of the district and are compatible with the concept approved by the City Plan Commission.

Potter Lawson

Success by Design

June 9, 2010

Mr. Brad Murphy
City of Madison
Department of Planning & Development
215 Martin Luther King Jr. Blvd.
Madison, WI 53701

Re: Letter of Intent for Wisconsin Energy Institute
PUD – GDP/SIP Submittal

Dear Mr. Murphy:

The following is submitted together with the Land Use Application, site plans, legal description, zoning text and filing fee for City Staff, Plan Commission, and Common Council consideration for approval.

Existing Conditions/Uses:

The proposed site is currently occupied by two University of Wisconsin-Madison buildings and associated surface parking. The existing University Health Services building at 1552 University Avenue will be removed to provide space for Phase One of the Wisconsin Energy Institute Project. The second future phase will require removal of the existing Navy ROTC building at 1610 University Avenue. This zoning request also includes a demolition request for the existing building at 1552 University Avenue. All efforts will be made to reuse and recycle as much as possible through the university's SWAP program and through local recycling operations. A reuse and recycling plan will be submitted for city review and approval by the selected demolition contractor. Currently, the University Health Services building is temporarily occupied with offices for the College of Letters and Sciences and with construction offices for the Wisconsin Institute of Discovery construction project. The site area for both Phase One and Phase Two is 68,845 SF, or approximately 1.58 acres.

Zoning Requirements:

The site is currently located in an OR (Office/ Residential) Zoning District. The project will be submitted as a combined PUD-GDP/SIP. The SIP portion will allow construction of Phase One of the Wisconsin Energy Institute. A future SIP will be developed to allow construction of Phase Two when additional funding becomes available.

The project is requesting to build a structure of increased size, density and height over what is currently permitted in an OR zoning district.

Construction Schedule:

Construction of the first phase is planned to commence in the fall of 2010, with completion planned for the fall of 2012. Construction start for the second phase has not been identified at this time.

Providing quality design services since 1913

15 Ellis Potter Court, PO Box 44964, Madison, WI 53744-4964 - Phone 608/274-2741 - Fax 608/274-3674
Visit our web site at www.potterlawson.com

Mr. Brad Murphy
June 9, 2010
Page 2

Project Team:

Building Owner:

WI Department of Administration-DSF
John Rakocy, Project Manager
101 East Wilson Street, 7th Floor
Madison, WI 53703

Land Owner

Board of Regents of the UW System
1220 Linden Drive
Madison WI 53706

University of Wisconsin Madison
Facilities Planning & Management
Pete Heaslett, Architect/Engineering Supervisor
950 WARF Building
610 Walnut Street
Madison, WI 53726

Architect:

Potter Lawson, Inc.
James Moravec, Project Manager
15 Ellis Potter Court
Madison, WI 53711

HOK, Associate Architect
Patrick Gleason, Project Designer
One Metropolitan Square
211 N. Broadway, Suite 700
St. Louis, MO 63102

Landscape Architect:

Ken Saiki Design
Ken Saiki
303 S. Paterson St., #1
Madison, WI 53703

Geotechnical Consultant:

Giles Engineering Associates, Inc.
N8 W22350 Johnson Drive Suite A1
Waukesha, WI 53186

Vertical Transportation Architect:

American Design, Inc.
Nathan Elliott
2821 N. 4th Street, Suite 537
Milwaukee, WI 53212

Structural Engineer:

Arnold & O'Sheridan Inc
Paul Karow
1111 Deming Way
Madison, WI 53717

Mechanical/Electrical Engineer:

Affiliated Engineers, Inc.
Mike Broge, Project Manager
5802 Research Park Blvd.
Madison, WI 53719

Plumbing Engineering:

PSJ Engineering, Inc.
Jim Mickowski
900 John Nolen Drive, Unit 204
Madison, WI 53713

Surveyor:

Jenkins Survey & Design, Inc.
245 Horizon Drive, Suite 108
Verona, WI 53593

Construction Manager:

Mortenson Construction
Jeff Madden
10 E Doty Street, Ste 513
Madison, WI 53703

Project Description:

The State of Wisconsin and the University of Wisconsin-Madison proposes to build the Wisconsin Energy Institute, an academic research laboratory building to serve as focal point for research, training, and outreach activities, related to economically viable and environmentally sustainable alternative energy sources. The building's location at the intersection of University Avenue and Campus Drive is ideally situated to function as a collaborative bridge between the Engineering and Agricultural & Life Sciences Colleges (CALs).

The project is divided into two phases. Construction of the first phase (107,000 GSF) will include both research laboratory and supporting office and conference space. The first floor will also contain several outreach and educational spaces, along with a small café/coffee shop to serve the building and the adjacent neighborhood. A small loading dock area is planned to support deliveries to the building. Phase Two (approximately 100,000 GSF) will include additional research lab and office space. The second phase will also include a small seminar hall to support outreach and educational functions. No extensive instructional space is anticipated in either phase.

The building has been designed to reduce noise, light and traffic impacts to the adjacent neighborhoods. All site lighting will be the campus standard, sharp cut-off down lights. Site and exterior building signage will also follow university approved standards. Mechanical ventilation has been designed for placement within an enclosed penthouse area on top of the building and to the north along Campus Drive to minimize sound impacts. Vent stacks are also screened from view on the top of the building. Minimal delivery traffic will access the site on an irregular basis from University Avenue with a one-way in bound lane to the west of the building to access the proposed loading dock. Exiting will occur to the north and west around the existing Enzyme Institute building and exit out to University Avenue east of the UW Foundation building.

Moped and bike parking will be provided as part of the first phase along with several parking stalls near the loading dock for delivery or service vehicles. In the Phase One design, the loading dock is planned to allow two vehicles to be unloaded. The Phase One loading dock, service drive and limited vehicle parking will be relocated to the west when Phase Two is added. No visitor or employee automobile parking is planned on the site for either phase. Employees and visitors will use existing parking infrastructure, managed as a campus wide resource. Phase One is expected to house around 215 researchers and staff. Phase Two is expected to add an additional 175 occupants.

Trash storage and removal will occur on site near the loading dock area and will be managed by university environmental services staff. Snow removal and site maintenance will also be by university staff.

Fire lane access for Phase One will be provided from University Avenue along the south and from the new access drive to the west. When Phase Two is added, the west fire lane will be moved to the west site boundary to align with Lathrop Street. Additional street frontage access is provided along Campus Drive for a portion of the north elevation.

The building is designed to have five occupied stories above grade, with an additional unoccupied mechanical story. A basement level is planned under a portion of the building's footprint. Overall roof height of the office portion along University Avenue is approximately 82 feet above the first floor.

Mr. Brad Murphy
June 9, 2010
Page 4

Overall roof height of the mechanical story will be approximately 116 feet above the first floor. Fume hood exhaust stacks will extend above this elevation, how much depends on results of an in-progress wind study for the building.

Hours of operation will mostly occur during the regular business day, 7:00 AM to 5:00PM. However, since this is a university research lab, some activity may occur at other times of the day. Most of the off-hour activity is expected to occur within the lab spaces, which face north, away from the adjacent residential neighborhood.

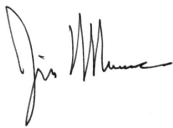
The following is a breakdown of the anticipated uses contained within Phase One of the proposed building:

	GSF
Research laboratories	24,000
High bay engineering research	2,300
Office space	21,000
Conference and seminar space	3,700
Coffee shop	1,600
Mechanical and building support spaces	<u>54,400</u>
Total Building Gross Square Footage	107,000

Thank you for your time in reviewing this proposal. If you have any questions or need additional information, please give me a call.

Sincerely,

POTTER LAWSON, INC.



James Moravec, AIA
Project Manager

Enclosures



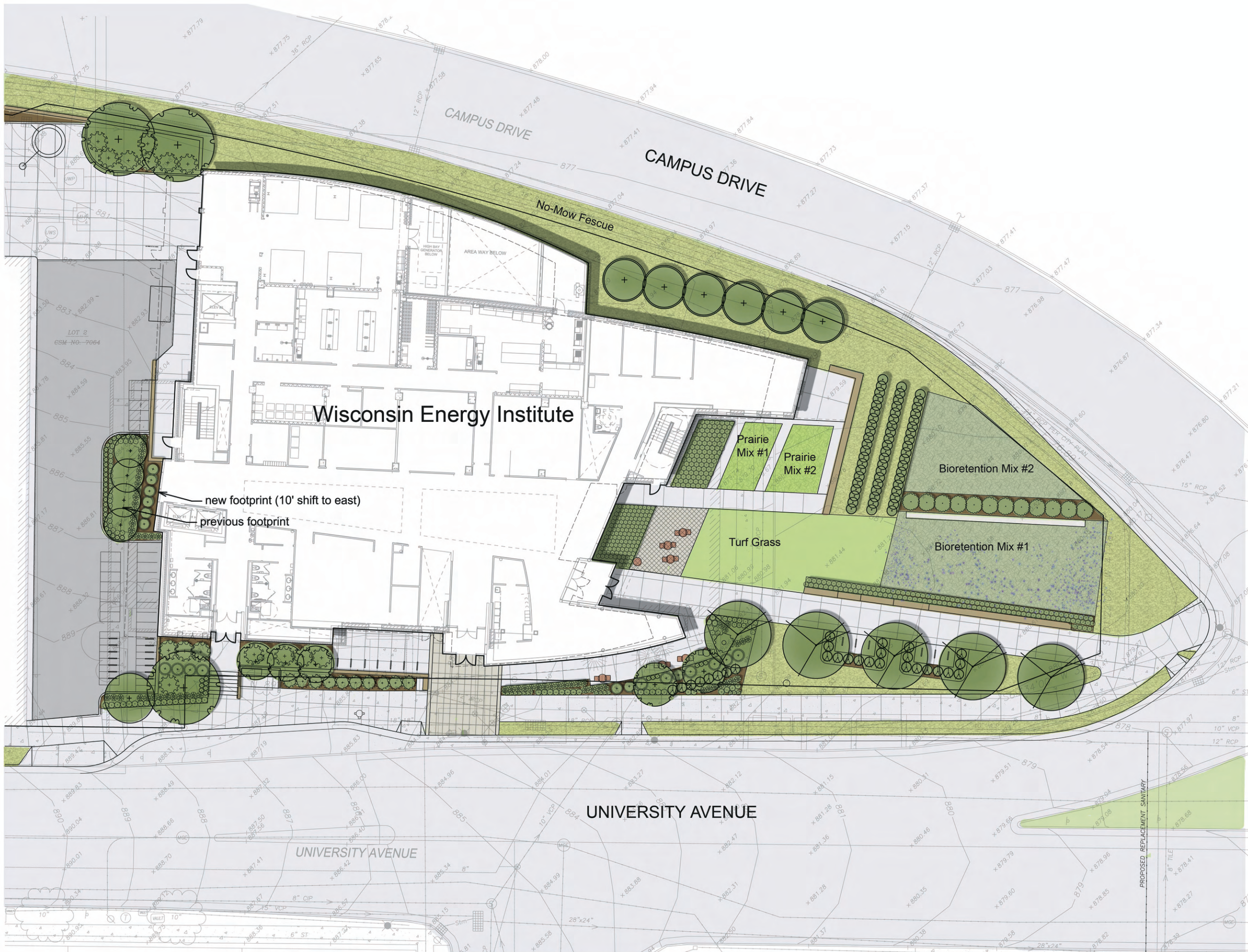
Potter Lawson Inc.
15 Ellis Potter Court
Madison, WI 53711

DESCRIPTION
PARCEL A

Part of Lot 2, Certified Survey Map no. 7064, recorded in volume 35 of Dane County Certified Survey Maps on pages 274-275 as document no. 2452358, City of Madison, Dane County, Wisconsin described as follows:

Commencing at the Southwest corner of Lot 2, Certified Survey Map No. 7064; thence South 89 degrees 20 minutes 56 seconds East along the South line of said Lot 2, a distance of 378.08 feet to the Point of Beginning of this description; thence North 00 degrees 45 minutes 14 seconds West, 193.60 feet to a point on the North line of said Lot 2; thence Southeasterly 132.05 feet, along said North line, being a curve to the right, having a radius of 1095.92 feet, the chord bearing South 85 degrees 00 minutes 57 seconds East, 131.97 feet; thence North 71 degrees 16 minutes 00 seconds East along said North line, 10.78 feet; thence continue 270.06 feet, along said North line, being a curve to the right having a radius of 1100.92 feet, the chord bearing South 73 degrees 58 minutes 49 seconds West, 269.39 feet; thence South 49 degrees 57 minutes 51 seconds East along said North line, 76.89 feet, to the Easterly line of Lot 2; thence South 01 degrees 22 minutes 05 seconds West, along the Easterly line of Lot 2, a distance of 41.48 feet to a point on the South line of Lot 2; thence South 69 degrees 34 minutes 00 seconds West along said South line, 32.31 feet; thence North 88 degrees 37 minutes 47 seconds West, along said South line, a distance of 145.81 feet to an angle point in said South line; thence North 89 degrees 20 minutes 56 seconds West, along said South line, 99.00 feet to a Southerly corner of Lot 2; thence South 00 degrees 39 minutes 04 seconds West along an Easterly line of Lot 2 a distance of 15.75 feet to a South corner of Lot 2; thence North 89 degrees 20 minutes 56 seconds West along said South line, 185.83 feet to the point of beginning.

Parcel contains 68,845 square feet or 1.580 acres.



PLI Project No:
2009.18.00

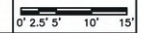


State of Wisconsin
Department of Administration
Division of State Facilities

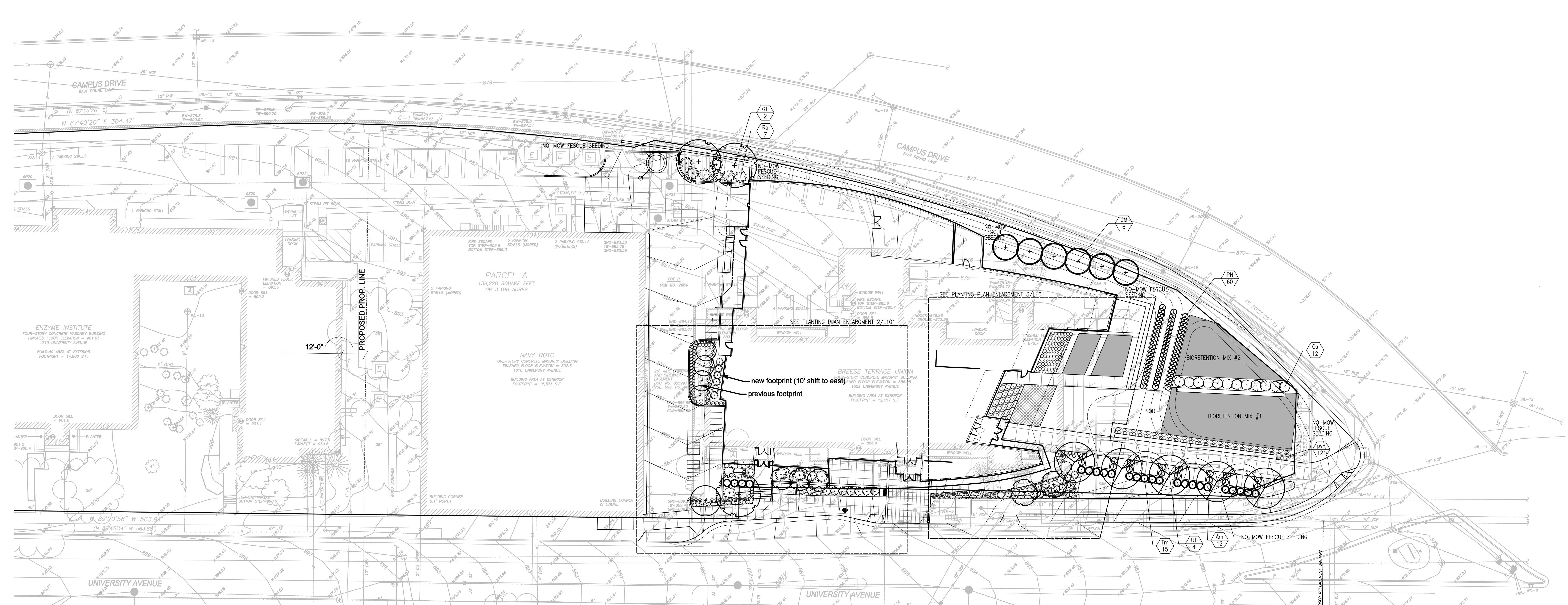


WISCONSIN ENERGY INSTITUTE
UNIVERSITY OF WISCONSIN-MADISON
MADISON, WISCONSIN

Concept Site Plan

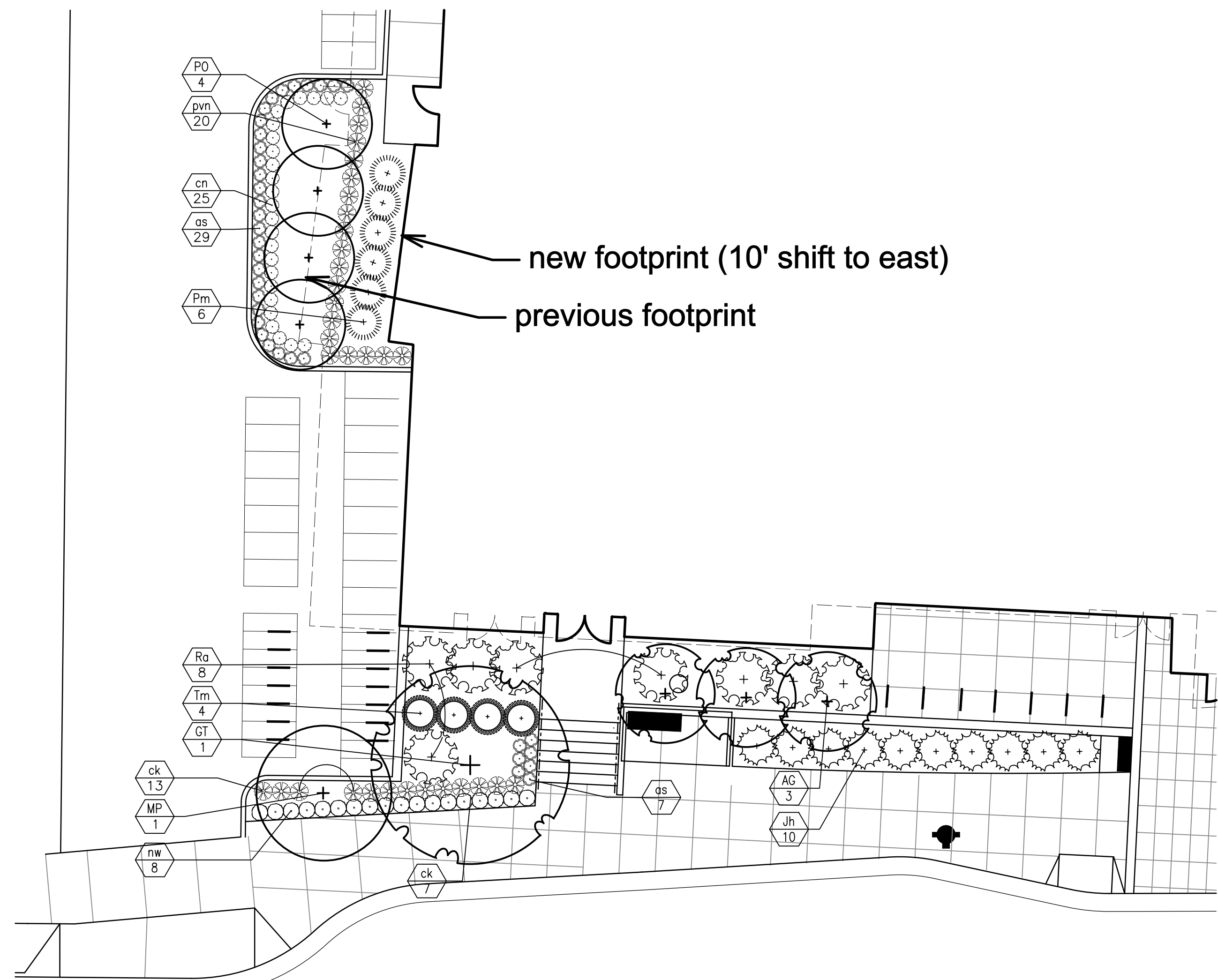
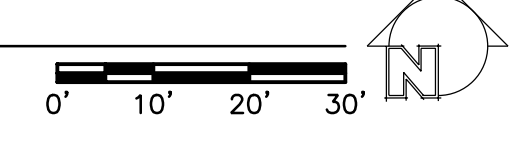


URBAN DESIGN COMMISSION
07/21/10



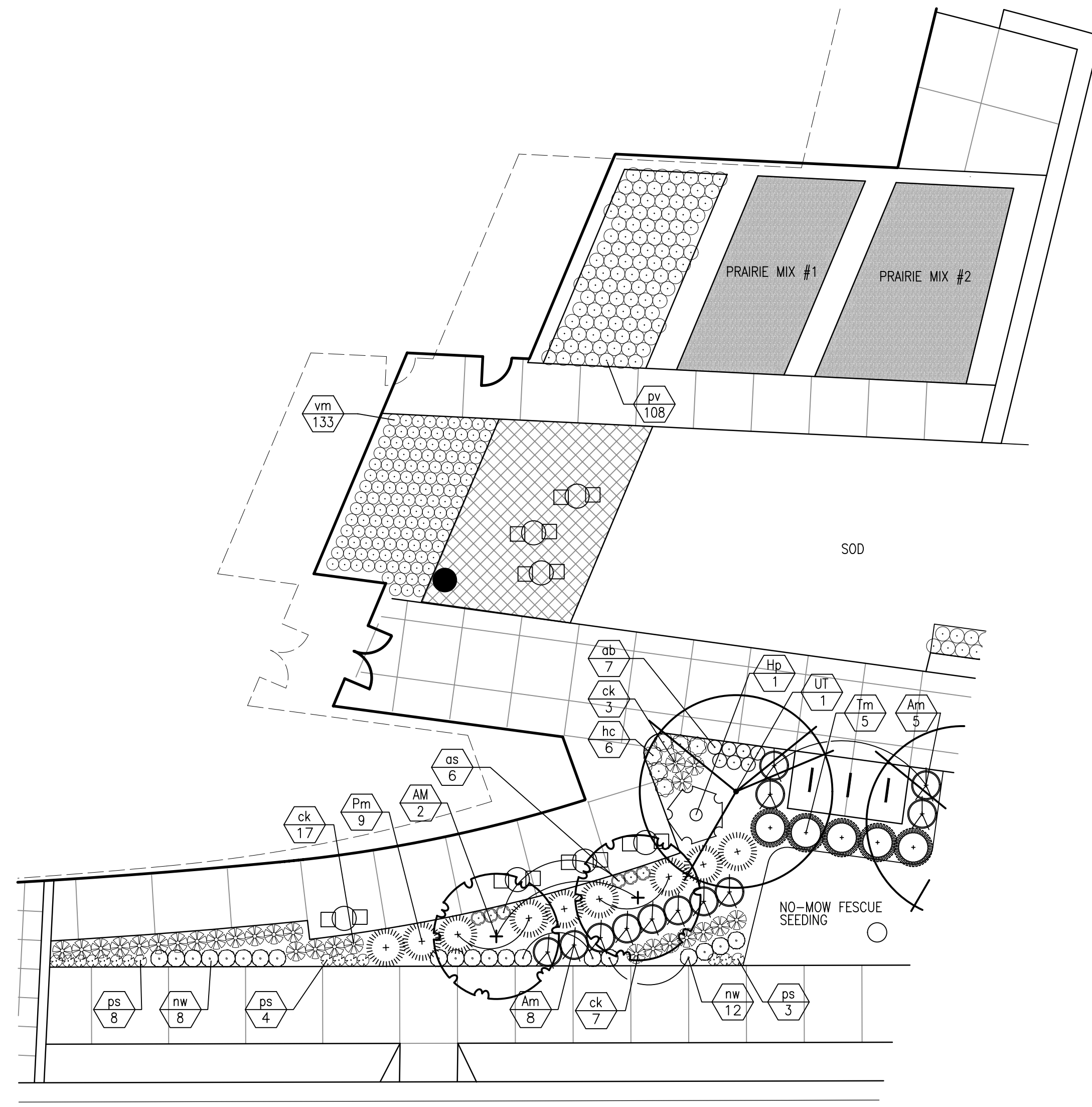
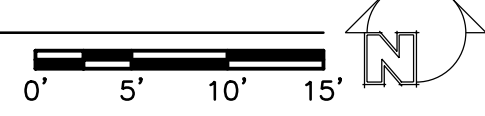
1 OVERALL PLANTING

L101



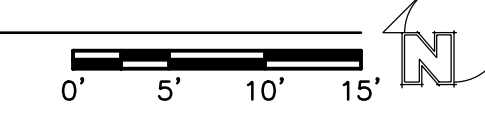
2 WEST ENTRY PLANTING

L101



3 EAST ENTRY PLANTING

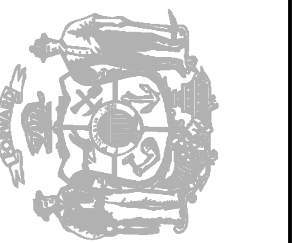
L101



Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
Deciduous Trees						
AM	<i>Acer myriophyllum</i> 'Morton'	State Street Maple	2	2.5" cal.	B&B	Single, straight leader
GT	<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Shademaster'	Shademaster Honeylocust	2	3" cal.	B&B	Single, straight leader
PO	<i>Populus tremuloides</i>	Quaking Aspen	4	2.5" cal.	B&B	Single, straight leader
PN	<i>P. nigra</i> x <i>maximowiczii</i>	NM6 Hybrid Poplar	80	9" length	unrooted cutting	Order in Fall, plant in Spring
UT	<i>Ulmus Morton Glorioso</i>	Triumph Elm	4	3" cal.	B&B	Single, straight leader
Ornamental Trees						
AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	5	10" ht.	B&B or Cont.	Multi-stem, min. 3 leaders
CM	<i>Cornus mas</i> 'Golden Glory'	Golden Glory Cornelianchery Dogwood	6	8" ht.	B&B or Cont.	Multi-stem, min. 3 leaders
MP	<i>Melicope 'Prunifera'</i>	Prairie Crabapple	1	2.5" cal.	B&B or Cont.	Single, straight leader
Deciduous Shrubs & Vines						
Am	<i>Aronia melanocarpa</i> 'Morton'	Iroquois Beauty Black Chokeberry	7	2" ht.	Cont.	
Cs	<i>Cornus sericea</i> 'Teasell'	Dwarf Redtwig Dogwood	12	2" ht.	Cont.	
Hp	<i>Hydrangea paniculata</i> 'Limelight'	Limelight Hydrangea	1	4' ht.	Cont.	
Ra	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac	14	3' spd.	Cont.	
Sm	<i>Syringa meyeri</i> 'Palibin'	Dwarf Korean Lilac	8	5 gal.	Cont.	
Evergreen Shrubs						
Jh	<i>Juniperus horizontalis</i> 'Plumosa Compacta'	Compact Andora Juniper	10	2" spr.	Cont.	
Pm	<i>Pinus mugo</i> 'Mughus Compacta'	Dwarf Mugo Pine	16	2.5" spr.	Cont.	
Tm	<i>Taxus x media</i> 'Tauntoni'	Taunton Yew	5	2" spr.	Cont.	Prune minimally - maintain natural shape
Perennials & Groundcovers						
as	<i>Allium triquetrum</i> 'Summer Beauty'	Summer Beauty Allium	21	1 qt.	Cont.	
ab	<i>Amsonia x Blue Ice</i>	Blue Ice Star Flower	5	1 qt.	Cont.	
cn	<i>Calamintha nepeta</i> asp. <i>nepeta</i>	Lesser Calamintha	7	1 qt.	Cont.	
hc	<i>Hemerocallis</i> 'Cherry Cheeks'	Cherry Cheeks Daylily	31	1 qt.	Cont.	
nw	<i>Nepeta x faassenii</i> 'Walker's Low'	Walker's Low Catmint	19	1 qt.	Cont.	
ps	<i>Phlox subulata</i> 'White Delight'	White Delight Creeping Phlox	14	1 qt.	Cont.	
Ornamental Grasses						
ck	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	Karl Foerster Feather Reed Grass	50	1 gal.	Cont.	
pv	<i>Panicum virgatum</i>	Switchgrass	28	1 qt.	Cont.	
pn	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	171	3 gal.	Cont.	
Prairie Mix #1						
	<i>Andropogon gerardii</i>	Big Bluestem	57	1 qt.	Cont.	Arrange plants randomly throughout
	<i>Echinacea pallida</i>	Pale Purple Coneflower	57	1 qt.	Cont.	prairie planting area.
	<i>Rudbeckia x submontana</i>	Sweet Black-Eyed Susan	57	1 qt.	Cont.	prairie planting area.
	<i>Panicum virgatum</i>	Switchgrass	57	1 qt.	Cont.	Space 1'-0" OC. (229 SF total)
Prairie Mix #2						
	<i>Allium oerumum</i>	Nodding Pink Onion	24	1 qt.	Cont.	
	<i>Andropogon gerardii</i>	Big Bluestem	24	1 qt.	Cont.	
	<i>Asclepias tuberosa</i>	Butterfly Weed	24	1 qt.	Cont.	
	<i>Baptisia lactea</i>	Wild White Indigo	24	1 qt.	Cont.	
	<i>Delosmea purpurea</i>	Purple Prairie Clover	24	1 qt.	Cont.	
	<i>Echinacea pallida</i>	Pale Purple Coneflower	24	1 qt.	Cont.	
	<i>Elymus virginicus</i>	Virginia Wild Rye	24	1 qt.	Cont.	
	<i>Eryngium yuccifolium</i>	Rattlesnake Master	24	1 qt.	Cont.	
	<i>Liatris spicata</i>	Marsh Blazing Star	24	1 qt.	Cont.	
	<i>Panicum virgatum</i>	Switchgrass	24	1 qt.	Cont.	Arrange plants randomly throughout
	<i>Schizachyrium scoparium</i>	Little Bluestem	24	1 qt.	Cont.	prairie planting area.
	<i>Veronicastrum virginicum</i>	Culver's Root	24	1 qt.	Cont.	Space 1'-0" OC. (287 SF total)
Bioretention Mix #1						
	<i>Carex bicknellii</i>	Copper Shouldered Oval Sedge	312	2.5"	Cont.	
	<i>Carex vulpinoidea</i>	Brown Fox Sedge	312	2.5"	Cont.	
	<i>Iris sibirica</i> 'Caesar's Brother'	Caesar's Brother Siberian Iris	312	1 qt.	Cont.	Arrange plants randomly throughout
	<i>Liatris spicata</i>	Marsh Blazing Star	312	2.5"	Cont.	bioretention planting area.
	<i>Molinia caerulea</i> 'Moorflamme'	Flaming Moor Grass	312	1 qt.	Cont.	Space 1'-0" OC. (1599 SF total)
Bioretention Mix #2						
	<i>Carex bicknellii</i>	Copper Shouldered Oval Sedge	477	2.5"	Cont.	Arrange plants randomly throughout
	<i>Carex vulpinoidea</i>	Brown Fox Sedge	477	2.5"	Cont.	bioretention planting area.
						Space 1'-0" OC. (864 SF total)

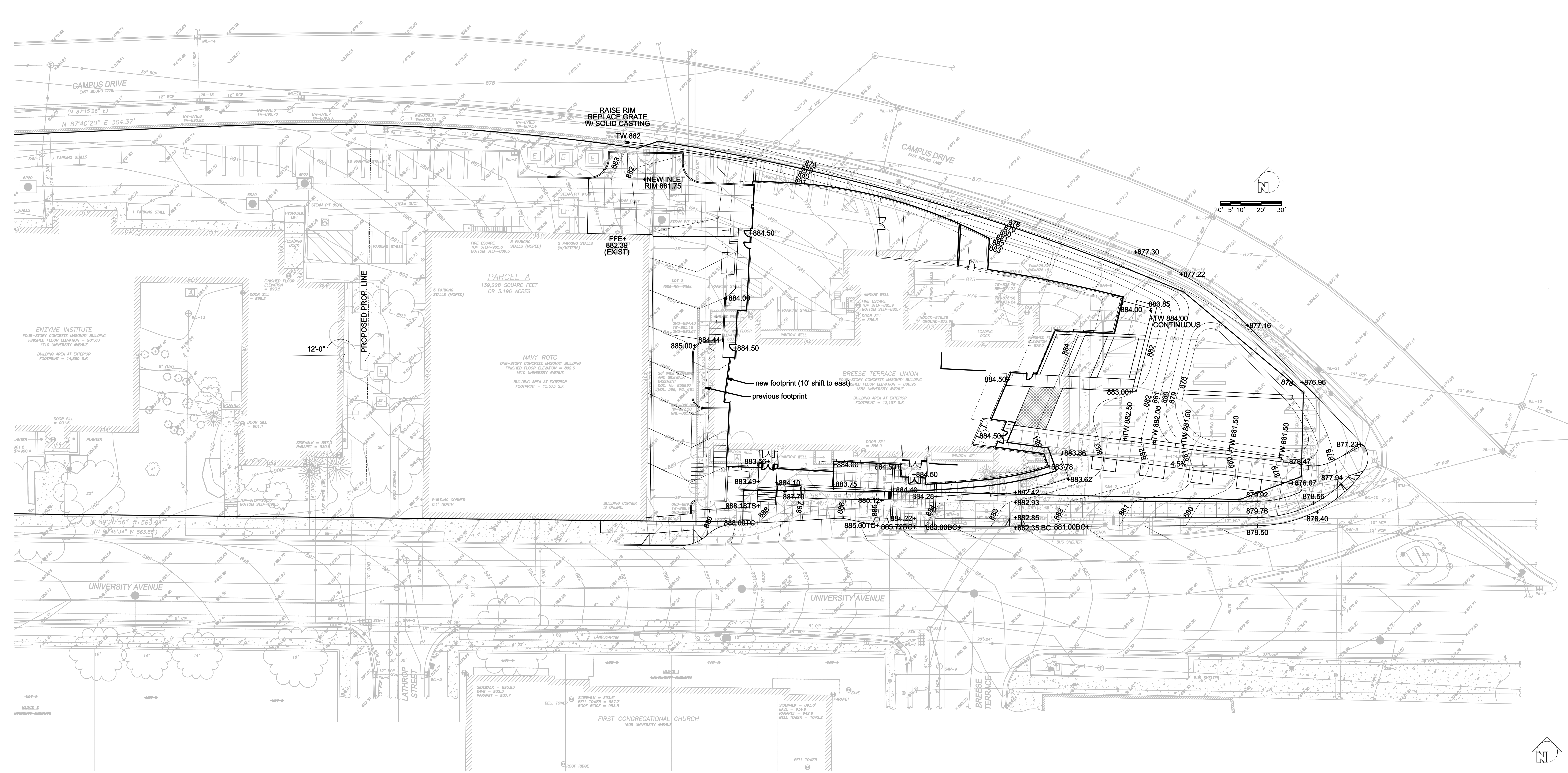


LANDSCAPE ARCHITECTS
KEN SALKO DESIGN
1710 UNIVERSITY AVENUE, SUITE 200
MADISON, WI 53706
TEL: 608.261.3333
WWW.KENSALKO.COM



Revisions:		
No.	Date:	Description:

Graphic Scale	
DSF Number	OBA2E
Set Type	PUD/GDP/SIP
Date Issued	07/14/10
Sheet Number	C201



KEY

- 860 Major Contour
- 863 Minor Contour
- +864.00 Spot Elevation
- +HP High Point
- +LP Low Point
- +TW Top Of Wall
- +BW Bottom of Wall
- +TS Top of Step
- +BS Bottom of Step
- +EX Existing
- +FFE Finished Floor Elevation

NOTES

- Contractor is responsible for field verification of all existing site elements. Contractor shall contact Digger's Hotline and UW-Madison FP&M for underground utility locations.
- Existing site survey and benchmark information was provided by JSD Professional Services, Inc. The survey was created October 21, 2009. It is the contractor's responsibility to field verify survey information prior to start of construction and report any discrepancies.

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE 1-800-242-8511

FAX A LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



Wisconsin Energy Institute

University of Wisconsin - Madison
August 18, 2010

Potter Lawson
Success by Design

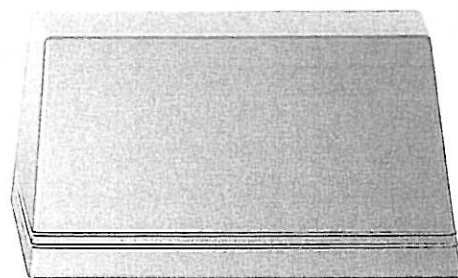


110

LINE

MINI SCONCE

P2



111 Performance Mini Sconce

The notion that good things come in small packages is especially true of the Gardco Mini Sconce. A performance luminaire in every sense, the 110 Line combines high output and sharp cutoff illumination with design and construction worthy of landmark architecture.

The 111 Mini Sconce, first in the 110 Series mirrors the renowned Gardco 100 Line, with its classic styling, intelligent engineering and integrity of construction. Most importantly, this compact luminaire provides sharp cutoff illumination without the high angle brightness associated with refractor type products, making them an attractive choice for controlled illumination at points of entry. Add to this seamless material transitions, flawless finishes and engineering considerate of installation, service and long term operation and one immediately appreciates that size need not compromise quality.

ORDERING

LUMINAIRE	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
111	FT	50HPS	120	BRP	F
111	FT ¹ = Forward Throw WT ¹ = Wide Throw MT ² = Medium Throw Please refer to notes below for lamp types	35HPS ⁴ 50HPS 70HPS 35MH ¹ 50MH 70MH ¹ 26QF 32TRF 42TRF INC ^{3, 6}	120 277 347 (HID only) Consult factory for other voltages	BRP = Bronze BLP = Black WP = White NP = Natural Aluminum BGP = Beige OC = Optional Color (see Color Selection Guide) SC = Special Color (color chip required)	F = Fusing (120V, 208V, 240V, 277V) ⁴ SL = Solite Diffusing Lens ⁵ PCB = Button Type Photocontrol WLU = Wet Location door for inverted mounting WG = Wire Guard EMR = Emergency Remote Ballast, 42W Fluorescent Only (Bodine Pack #884C not supplied STD. with luminaire. Pack can be purchased at additional cost from Gardco.)

- FOR 35MH AND 70MH, T6 LAMP ONLY.
- FLUORESCENT AND ED17 LAMPS ONLY.
- AVAILABLE IN 120V. ONLY.
- NOT AVAILABLE WITH 347 VOLT.
- RECOMMENDED WITH MEDIUM THROW ONLY.
- BT15-150W MAX.

110

LINE

PERFORMANCE SCONCES

P2

SPECIFICATIONS

GENERAL

Each Gardco 111 luminaire is a wall mounted cutoff luminaire for high intensity discharge, incandescent or fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. Housing, back plate and door frame are die cast aluminum. Three optical choices are available for downlighting or inverted for uplighting. Luminaires are suitable for wet locations.

HOUSING

111 housings are single piece die cast aluminum. Memory retentive gasket seals housing with door frame to exclude moisture, dust, insects and pollutants from optical systems. Black diecast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME

Single piece diecast aluminum door frame integrates to housing form. Door frame is hinged and secured to housing with (2) captive stainless steel fasteners. Heat and impact resistant 1/8" tempered glass lens and one-piece gasket are mechanically secured to door frame.

OPTICAL SYSTEMS

Reflectors are composed of specular extruded and Alzak[®] faceted components, electro-polished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw (IES Type II), forward throw (IES Type IV) or medium throw downlight distributions.

ELECTRICAL

Each high power factor H.I.D. ballast is the separate component type capable of providing reliable lamp starting to -20°F (-29°C). Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600VAC at 150°F (65°C) or higher. Fluorescent units have a starting temperature of 0°F (-18°C).

LAMPHOLDER

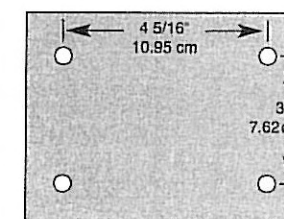
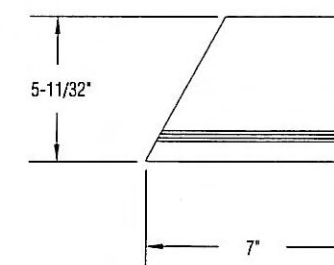
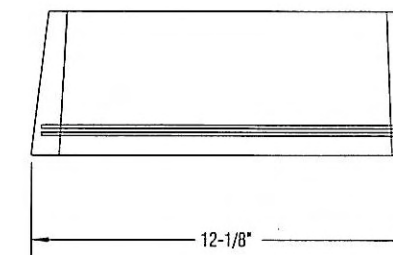
Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature plastic (PBT) with brass contacts. T6 lamps use G12 base, pulse rated porcelain sockets.

FINISH

Each luminaire receives a fade and abrasion resistant electrostatically applied thermally cured, textured TGIC polyester powder coat finish.

LABELS

All fixtures bear CSA (or CUL) and UL Wet Location labels. Lens down application is Wet Location, lens up is Damp Location, except when using optional inverted Wet Location components.



Mounting Bolt Pattern

Gardco Lighting reserves the right to change materials or modify the design of its products without the notification as part of the company's continuing product improvement program.

Gardco Lighting
2661 Alvarado Street
San Leandro, CA 94577
800/227-0758
510/357-6900 (California)
510/357-3088 FAX
<http://www.sitelighting.com>

Genlyte Thomas Group LLC



Gardco Lighting
2661 Alvarado Street
San Leandro, CA 94577
800/227-0758
510/357-6900 (California)
510/357-3088 FAX
<http://www.sitelighting.com>

Genlyte Thomas Group LLC
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79115-97/401

Ordering Information

P = 12' POLE



PI VRB

The Small Archetype®

Ordering Example:

For Standard Fixture and Pole

Mounting 1 | Fixture 2 | Electrical Module 3 | Finish 4 | Options 5-11 | Pole 12 | VSF Option 13

1SA / SAR2 / 175MH120 / BL-P / A-30 / PSA16-4125SA / BL-P / VSF-1SA

See separate Kim Pole Catalog.
Omit for 1W Wall Mount.

1 Mounting:
3SY configuration is available for round poles only.

Plan View:

EPA: 0.7	1.4	1.2	1.9	1.9	2.5	n/a
Cat. No.: 1SA	2SB	2SL	3ST	3SY	4SC	1W

2 Fixture:
Cat. No. designates SAR fixture and light distribution.

Horizontal Lamp

Flat Lens

Light Distribution: Type II	Type III	Type IV Forward Throw	Type V Square
Cat. No.: SAR2	SAR3	SAR4	SAR5

3 Electrical Module:
HPS = High Pressure Sodium
MH = Metal Halide

	70HPS120	100HPS120	150HPS120	
	70HPS208	100HPS208	150HPS208	
	70HPS240	100HPS240	150HPS240	
	70HPS277	100HPS277	150HPS277	
	70HPS347	100HPS347	150HPS347	
Lamp Watts	70MH120	100MH120	150MH120	175MH120
Lamp Type	70MH208	100MH208	150MH208	175MH208
Line Volts	70MH240	100MH240	150MH240	175MH240
	70MH277	100MH277	150MH277	175MH277
	70MH347	100MH347	150MH347	175MH347

FLUORESCENT INDUCTION

4 Finish:
Super TGIC powder coat paint over chromate conversion coating.

Color: Black	Dark Bronze	Light Gray	Platinum Silver	White	*Custom Colors
Cat. No.: BL-P	DB-P	LG-P	PS-P	WH-P	CC-P

*Consult representative for custom colors.

5 Optional Photocell Control:
Not available for 1W Wall Mount

	Cat. No. and Line Volts:	A-30 120V A-31 208V A-32 240V A-33 277V A-35 347V	Mounting Configuration				
			* - Fixture with Photocell Sensor S - slave unit(s)				
			No fixture wattage limit.				

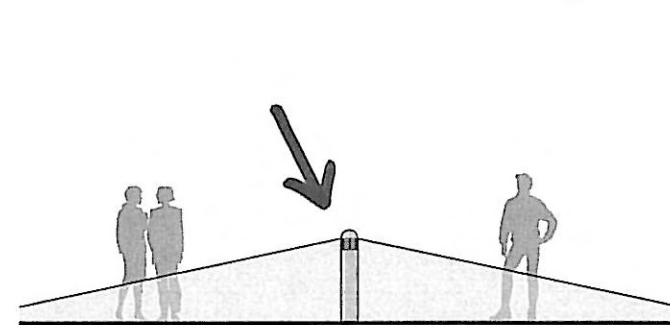
~~**6 Optional Convex Glass Lens:**~~

	Cat. No.: CGL	Tempered convex glass lens replaces standard flat lens.
--	---------------	---

Configurations

Single Function Luminaire

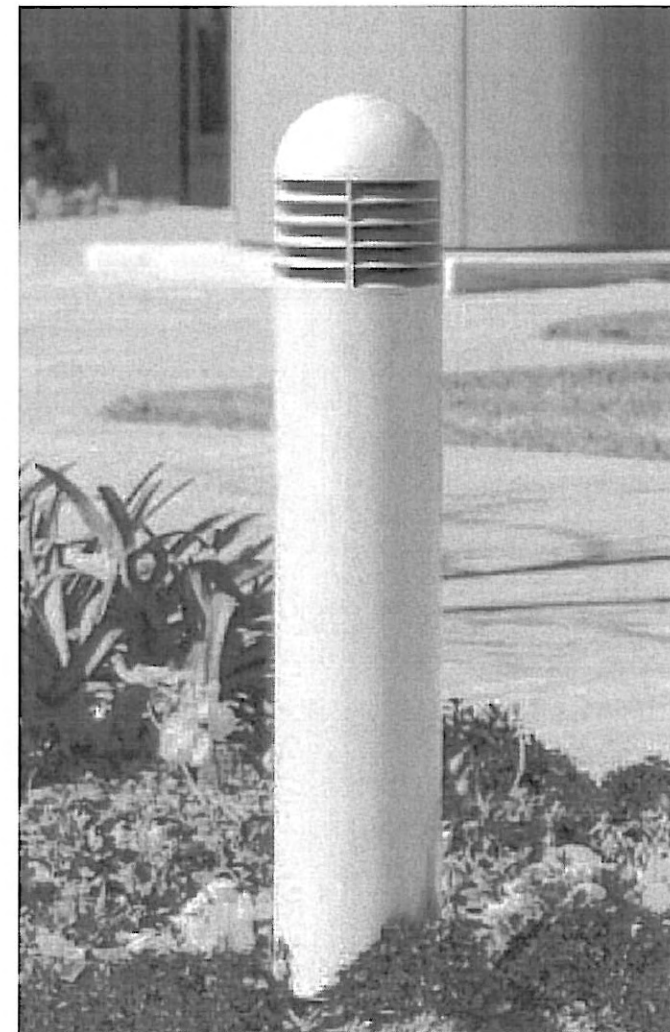
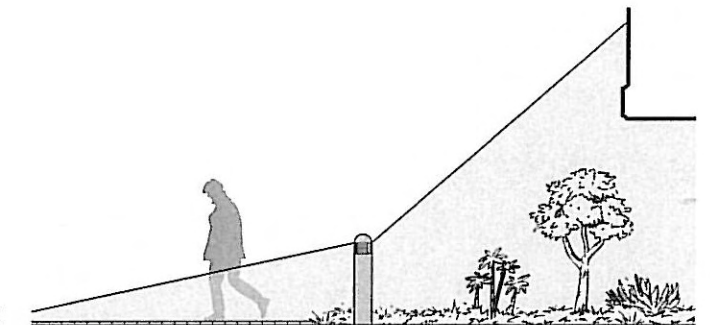
VRB1 and VRB3 Horizontal louvers provide 360° of down-lighting with total lamp source cutoff above 90° horizontal. Designed for lighting walkways, entrances, courtyards, and landscaped areas where fixtures are viewable from all directions. See page 10.



Vandal Resistant Round Bollards

Dual Function Luminaire

VRB2 and VRB4 Horizontal louvers provide 210° of cutoff down-lighting, and vertical louvers provide 150° of non-cutoff accent lighting. Designed for lighting walkways where adjacent building facades, walls or landscaping may be enhanced by a vertical wash of light. Fixtures should be viewable from the walkway only. See page 10.



Architectural Pendants Lights

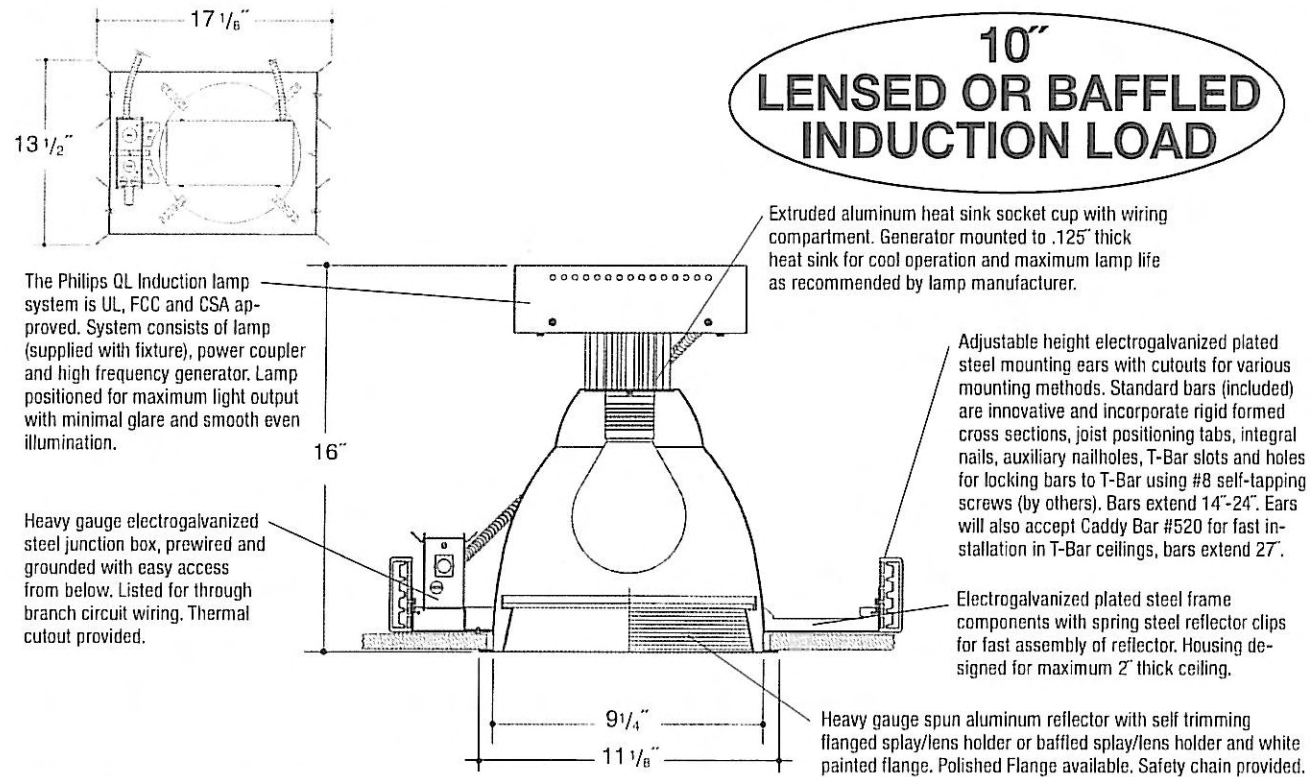
D2

KIM

The Archetype®

P

Job Name _____ Type _____

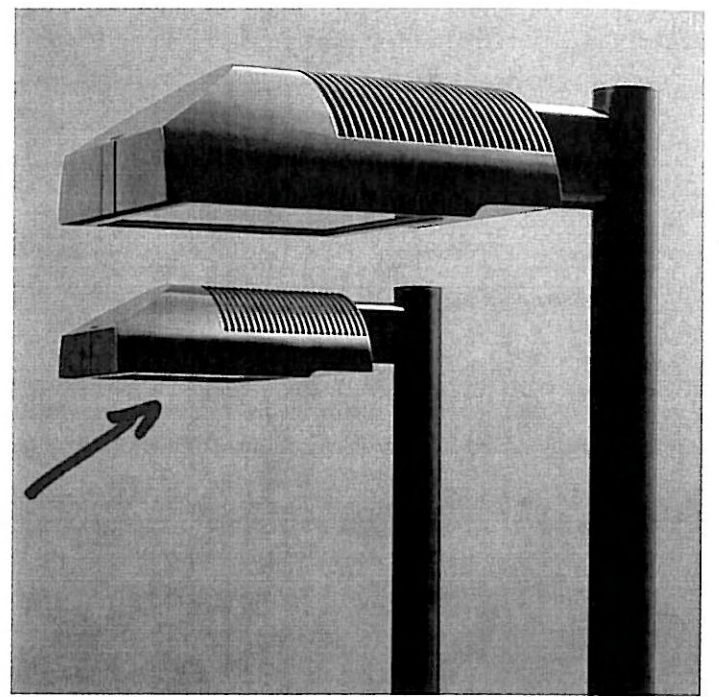


10" LENSED OR BAFFLED INDUCTION LOAD

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Mechanical Features	10
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Proportion Guide	19
Lamp and Electrical Guide	20-21
Application Engineering Services	21
Photometrics - See separate AR/ET Photometric Catalog.	

Modern architecture often integrates curvilinear, rectilinear, classical, and neoclassical styles into a single structure. The eclectic shape of **The Archetype®** readily adapts to and universally complements contemporary architectural design. Lighting performance, materials, robust construction, and the latest technology combine to make **The Archetype®** the state-of-the-art luminaire for outdoor cutoff lighting. The **AR** (Large Archetype®) is available in H.I.D. lamp modes up to 400 watts. The **SAR** (Small Archetype®) has been scaled to complement the larger model at lower mounting heights. Available up to 175 watts, the smaller model is ideal for pathways and courtyards where fixtures are nearer human scale. When used together, the large and small Archetype provide a logical transition from parking lot to building entrance by decreasing luminaire scale and maintaining a consistent design.



Rough in Kit - 10" Induction Load (85W or 55W Philips QL Induction Lamp System).

Catalog Number	AQL10	Wattage	Generator	Voltage	Options	Generator
		85W MAX 55W	E	1 2	R	E Electronic 1 120 Volts 2 277 Volts Options ▲ R Remodeler

Finishing Kit - 10" Induction Lensed or Lensed Baffled Reflector

Catalog Number	100 Lensed	100 Lensed Baffled	Lens	Finish	Options	Finish (Factory Standard)	Options ▲
			10011 - Tempered Clear Lens 10014 - Tempered Prismatic Lens (C73 Pattern) 10016 - Tempered Fresnel Lens	SCL SGO WHT	GSK DGSK	SCL Specular Clear "Alzak" Splay with White Flange SGO Specular Gold "Alzak" Splay with White Flange WHT White Splay with White Flange SCL/BL Specular Clear "Alzak" with Black Baffled Splay SCL/WH Specular Clear "Alzak" with White Baffled Splay	GSK Neoprene Foam Single Gasketing DGSK Neoprene Foam Double Gasketing
			10021 - Tempered Clear Lens 10024 - Tempered Prismatic Lens (C73 Pattern) 10026 - Tempered Fresnel Lens	SCL/BL SCL/WH			

Features

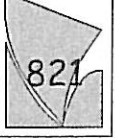
Manufactured and Listed to UL 1598, ETL and CSA standards. Suitable for Damp Locations Wet location under covered ceiling



▲ See Options and Finishes pages for a list of additional finishes and equipment.

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

Vantage



Luminaires

76 Community Avenue Plainfield, CT 06374
voice (860) 564.4512 fax (860) 564.4854
www.vantageitg.com

KIM LIGHTING

SITE / AREA
PARKING STRUCTURE
ROADWAY
ARCHITECTURAL FLOOD
ACCENT
LANDSCAPE

MAILING ADDRESS:
P.O. BOX 60080
CITY OF INDUSTRY, CA
91716-0080

BUSINESS ADDRESS:
16555 EAST GALE AVENUE
CITY OF INDUSTRY, CA 91745
U.S.A.
PHONE 626 / 968-5666
FAX 626 / 369-2695

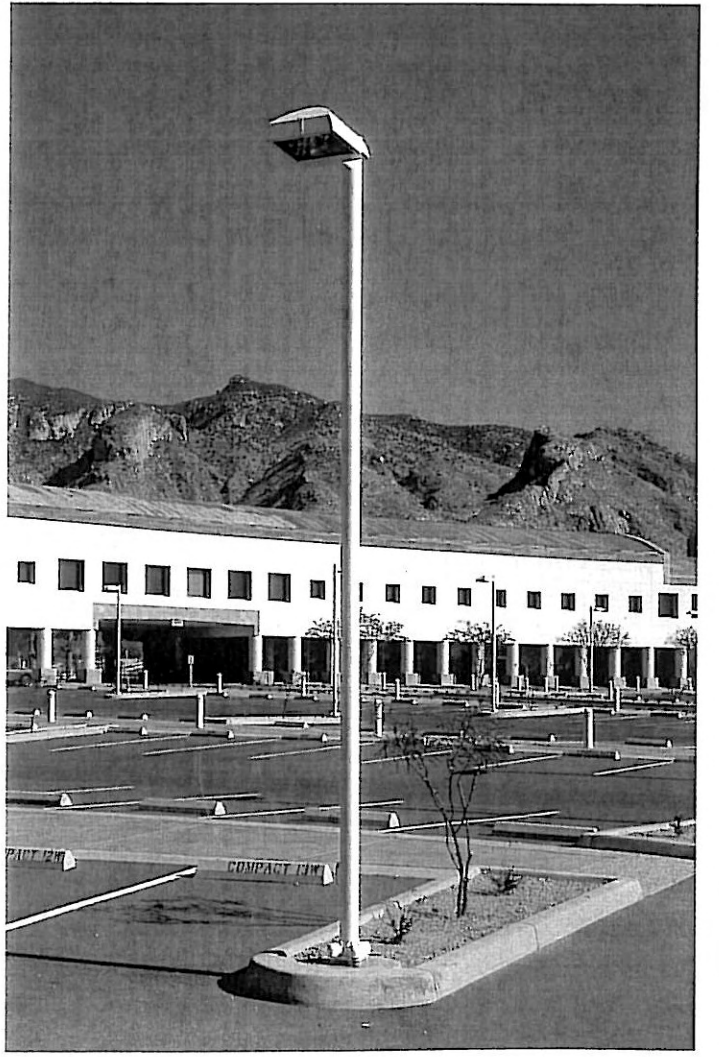
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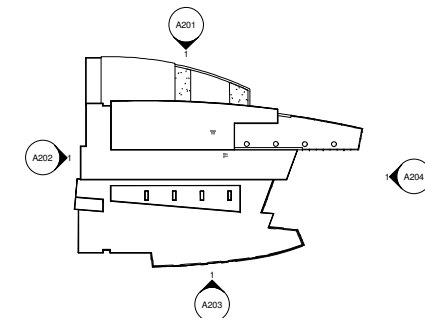
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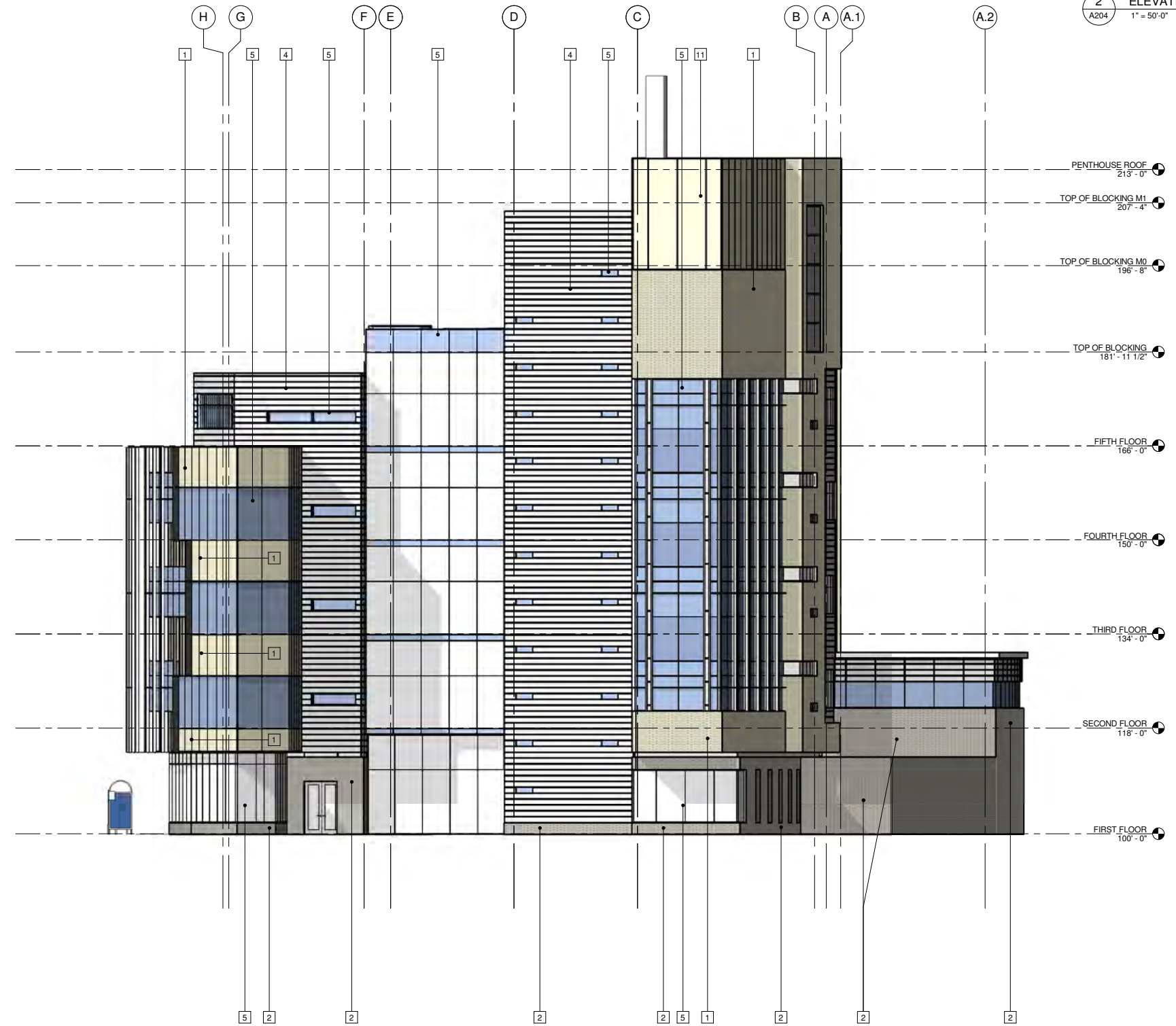
Audited to ISO9001 Standards

Printed in U.S.A.
5501099336
Version 12/99





2 ELEVATION KEY PLAN
A204 1" = 50'-0"



1 EAST ELEVATION
A204 1/8" = 1'-0" 0 2 4 8 12'

- INSULATING GLASS TYPES (IGU)**
ALL IGU TYPES ARE TYPE "A" UNLESS NOTED OTHERWISE
- A IGU-A: CLEAR VISION GLASS
 - B IGU-B: SPANDREL
 - C IGU-C: CLEAR VISION GLASS - FT
 - D IGU-D: CLEAR VISION GLASS
 - E IGU-E: CLEAR VISION GLASS - FT
- MONOLITHIC GLASS TYPES**
- 4 SHADOW BOX
- KEY NOTES:**
- 1 BRICK TYPE 1 - RUNNING BOND
 - 2 BRICK TYPE 2 - STACKED BOND
 - 3 STAINLESS STEEL REVEAL
 - 4 METAL PANEL
 - 5 CURTAIN WALL GLAZING SYSTEM
 - 6 HOLLOW METAL DOOR AND FRAME
 - 7 INSULATED, SECTIONAL OVERHEAD DOOR
 - 8 METAL FASCIA
 - 9 VERTICAL MOVEMENT JOINTS
 - 10 SCREEN WALL
 - 11 LOUVER
 - 12 VENT STACKS
 - 13 LINE OF FOUNDATION AND FOOTING
 - 14 GRADE
 - 15 LIGHTWELL BEYOND
 - 16 METAL PANEL JOINT, TYP.
 - 17 EXTERIOR ALUMINUM DOOR
 - 18 CONCRETE STAIR, RAMP AND RAILING - SEE 1/C301
 - 19 CURTAINWALL CAP

Architect:
Potter Lawson
PLI Project No.: 2009.18.00
Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

WISCONSIN ENERGY INSTITUTE
UNIVERSITY OF WISCONSIN-MADISON
MADISON, WISCONSIN

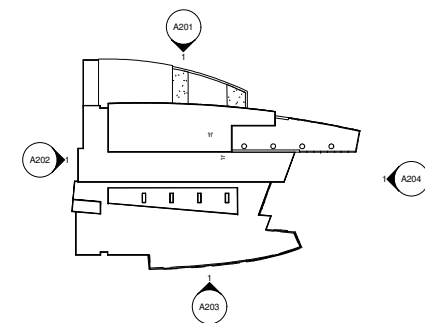
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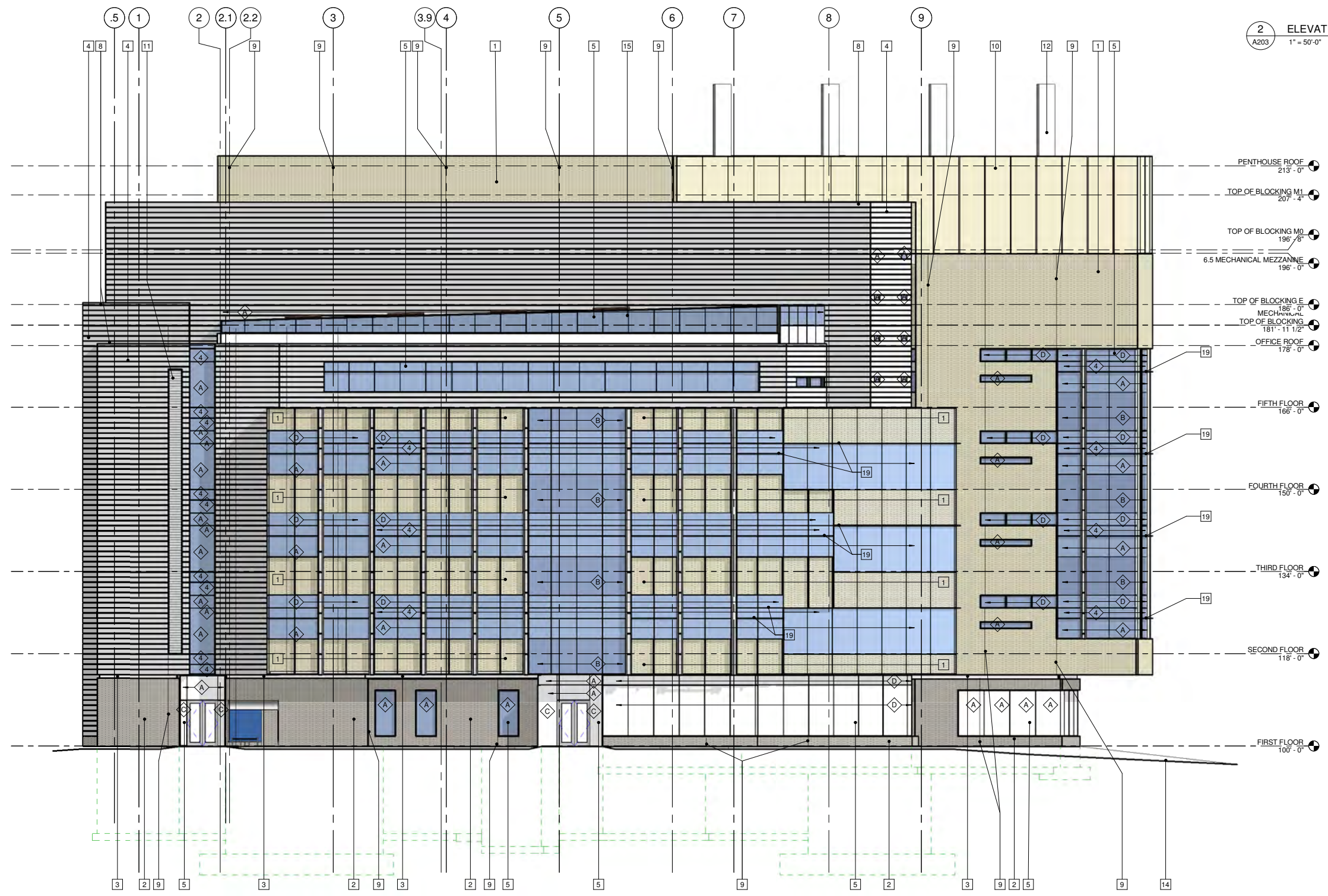
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2 ELEVATION KEY PLAN
 1" = 50'-0"

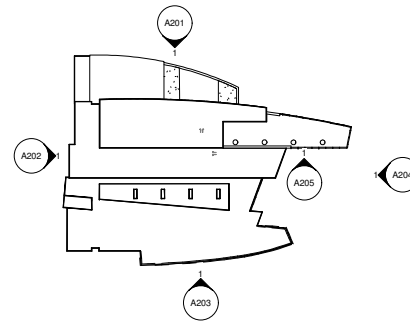


- INSULATING GLASS TYPES (IGU)**
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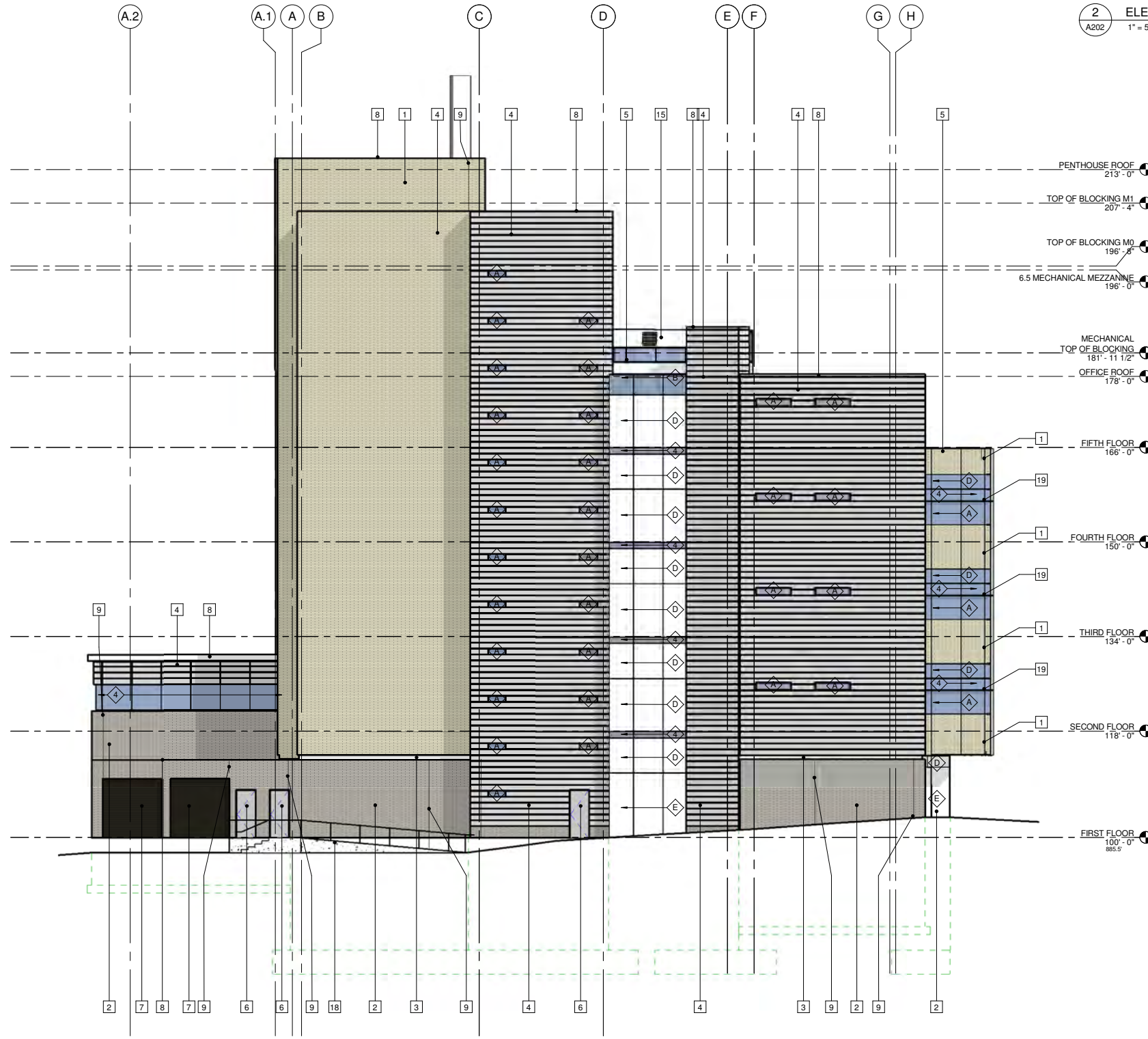
1 SOUTH ELEVATION
 1/8" = 1'-0"

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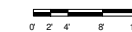
2 ELEVATION KEY PLAN
1" = 50'-0"



- INSULATING GLASS TYPES (IGU)**
ALL IGU TYPES ARE TYPE "A" UNLESS NOTED OTHERWISE
- A IGU-A: CLEAR VISION GLASS
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 - C IGU-C: CLEAR VISION GLASS - FT
 - D IGU-D: CLEAR VISION GLASS
 - E IGU-E: CLEAR VISION GLASS - FT
- MONOLITHIC GLASS TYPES**
- D SHADOW BOX

- KEY NOTES:**
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 - 16 METAL PANEL JOINT, TYP.
 - 17 EXTERIOR ALUMINUM DOOR
 - 18 CONCRETE STAIR, RAMP AND RAILING - SEE 1/C301
 - 19 CURTAINWALL CAP

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



Architect:
Potter Lawson
PLI Project No.: 2009.18.00
Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

Project Location:
WISCONSIN ENERGY INSTITUTE
UNIVERSITY OF WISCONSIN-MADISON
MADISON, WISCONSIN

Agency/Institution:
UNIVERSITY OF WISCONSIN - MADISON

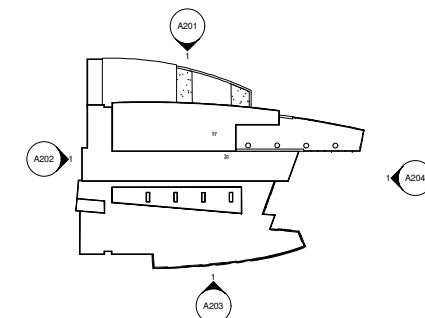
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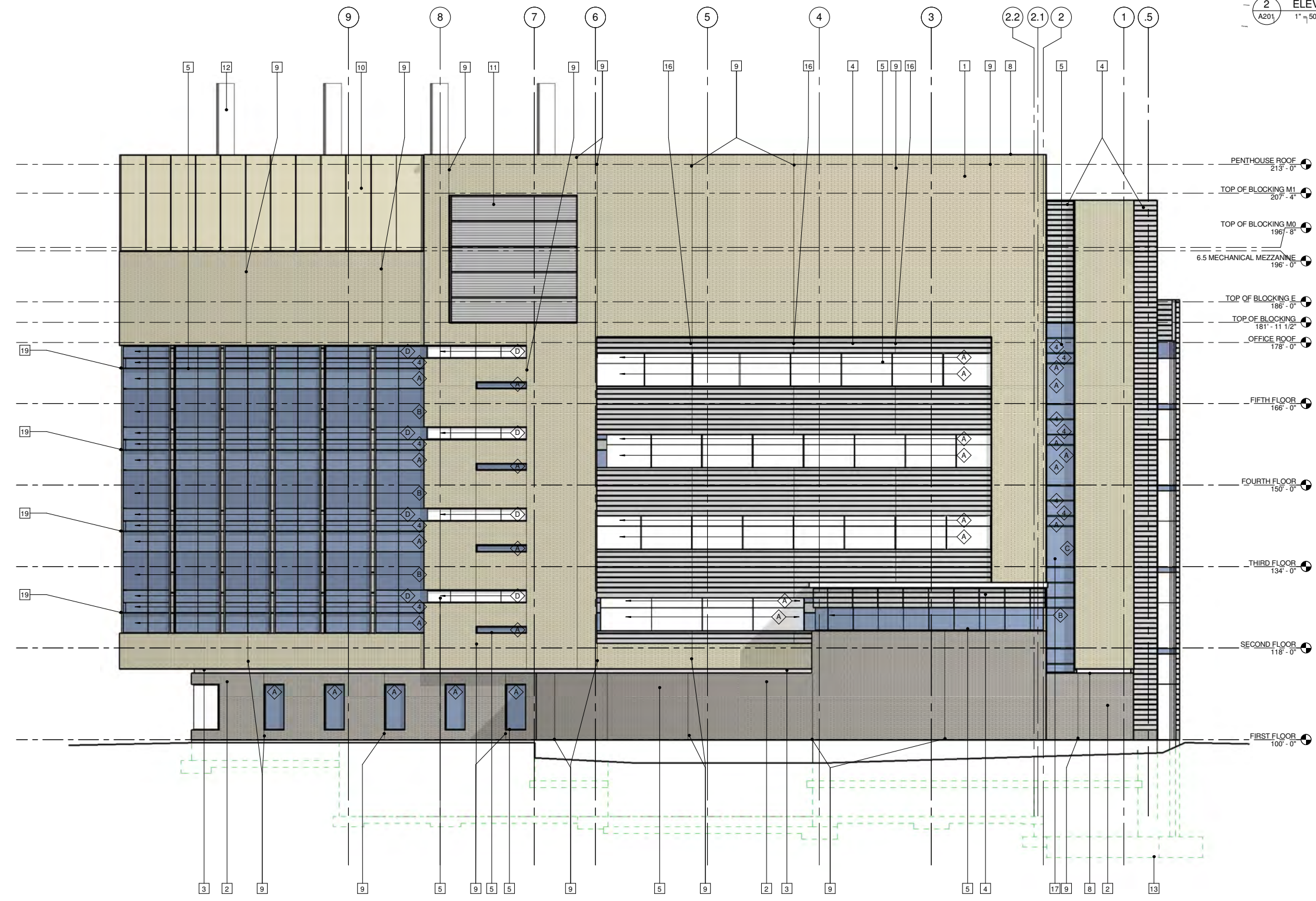
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2 ELEVATION KEY PLAN
A201 1" = 50'-0"



- INSULATING GLASS TYPES (IGU)**
ALL IGU TYPES ARE TYPE "A" UNLESS NOTED OTHERWISE
- A IGU-A: CLEAR VISION GLASS
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 - C IGU-C: CLEAR VISION GLASS - FT
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 - 14 GRADE
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 - 17 EXTERIOR ALUMINUM DOOR
 - 18 CONCRETE STAIR, RAMP AND RAILING - SEE 1-C301
 - 19 CURTAINWALL CAP

1 NORTH ELEVATION
A201 1/8" = 1'-0"

Architect:
Potter Lawson
PLI Project No.: 2009.18.00
Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

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MADISON, WISCONSIN

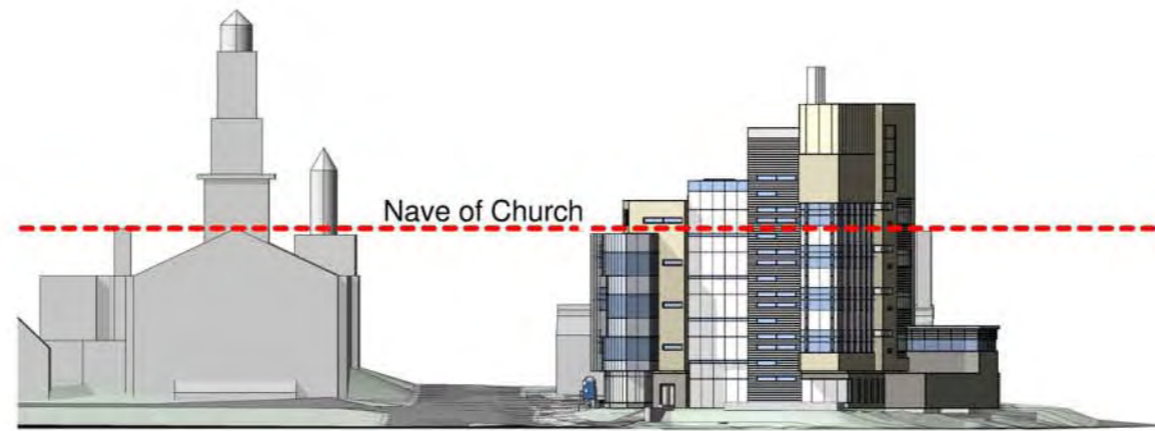
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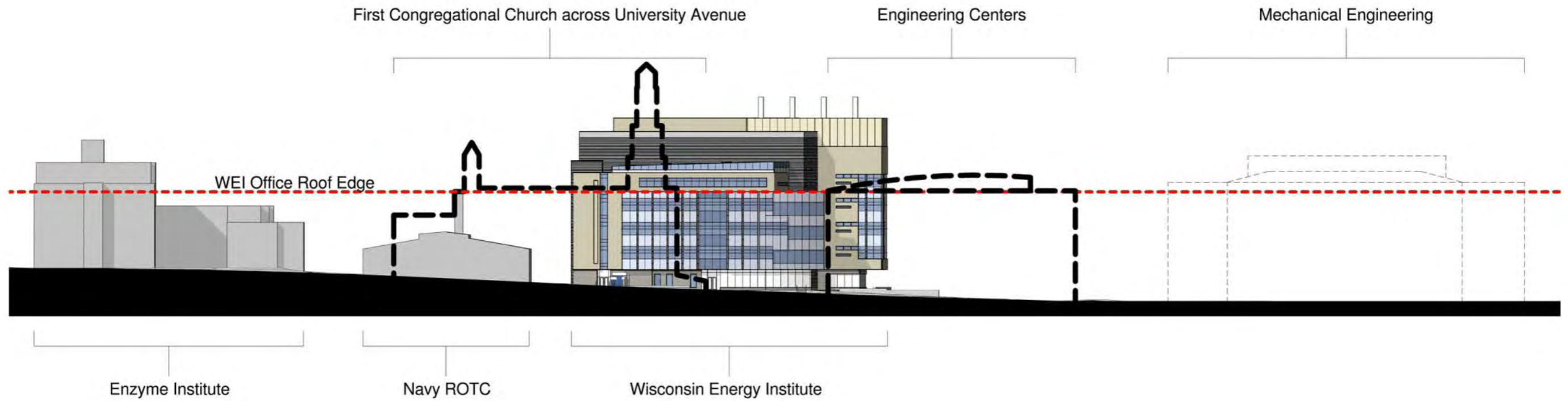
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North/South Site Section



West/East Site Section

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SITE
LOCATOR

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Engineering Centers Building



First Congregational Church



Enzyme Institute



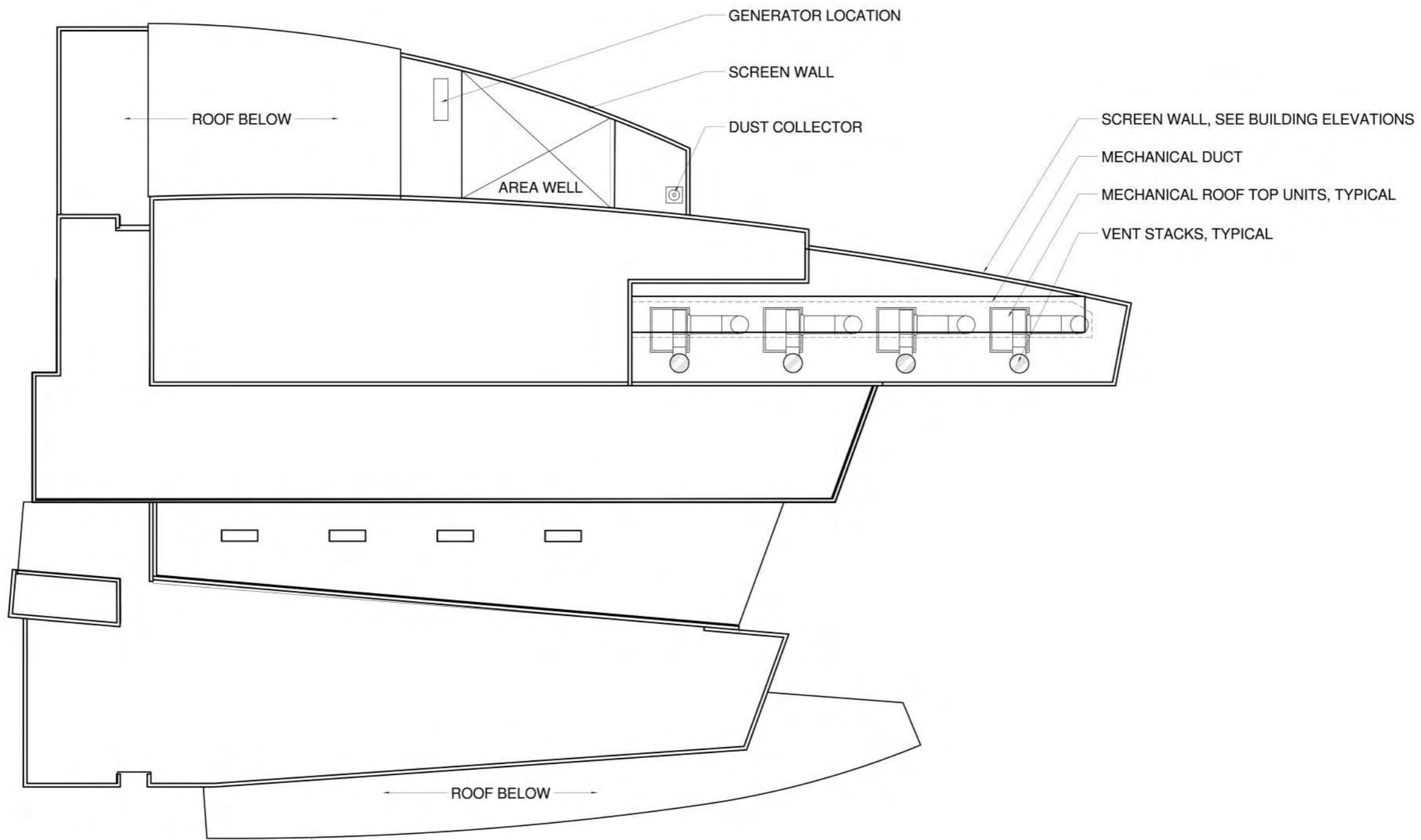
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Roof Plan



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LEVEL 5 Department Legend

- Amenities
- Building Support
- Circulation
- Conference/ Seminar
- Distributed Functions
- Dock
- Education & Outreach
- Laboratory Research
- Shaft
- IIT
- GLRBC

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LEVELS 2 - 4 Department Legend

- Amenities
- Building Support
- Circulation
- Conference/ Seminar
- Distributed Functions
- Dock
- Education & Outreach
- Laboratory Research
- Shaft
- IIT
- GLRBC

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LEVEL 1 Department Legend

- Amenities
- Building Support
- Circulation
- Conference/ Seminar
- Distributed Functions
- Dock
- Education & Outreach
- Laboratory Research
- Shaft
- IIT
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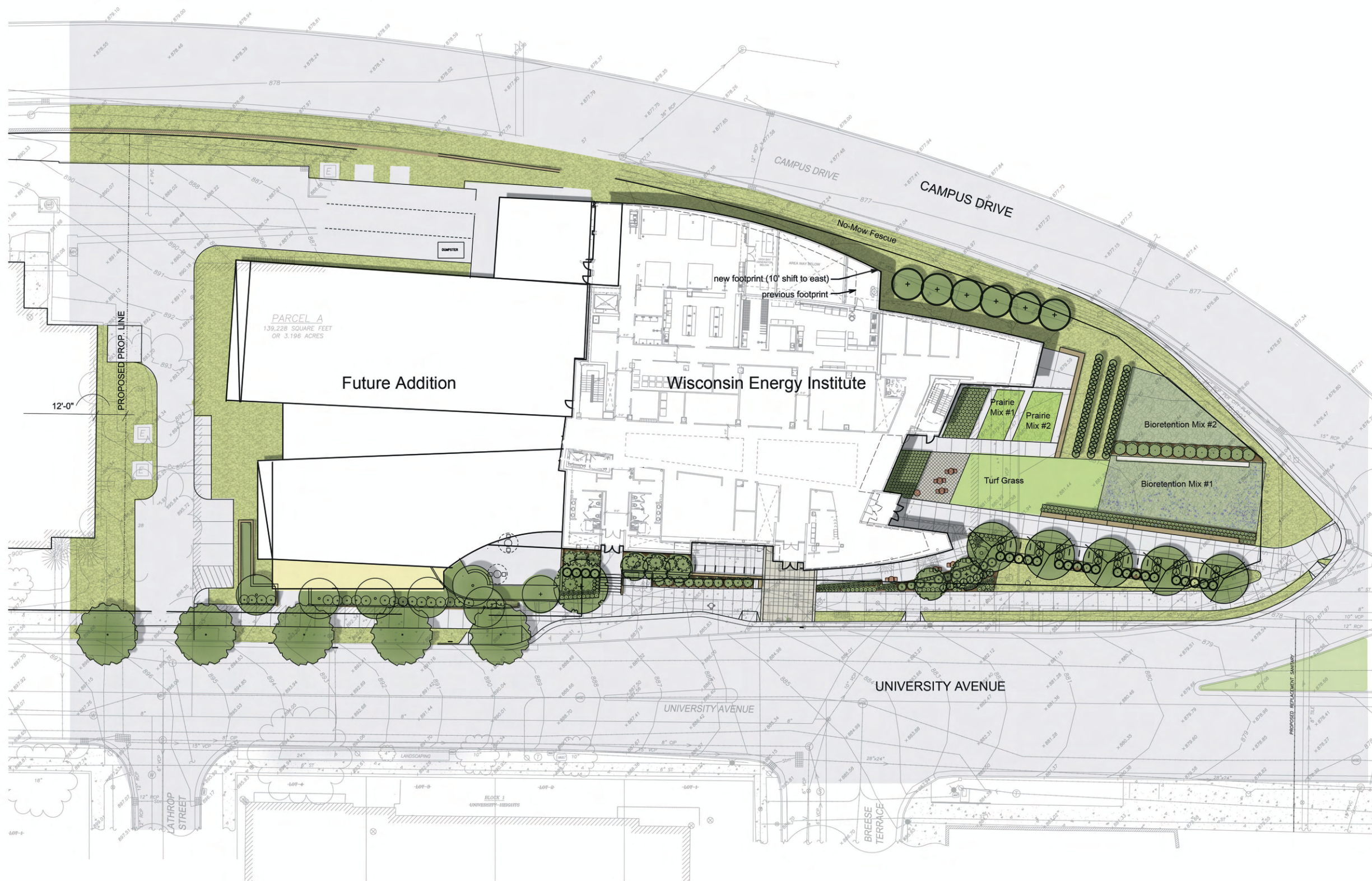


State of Wisconsin
Department of Administration
Division of State Facilities



WISCONSIN ENERGY INSTITUTE
UNIVERSITY OF WISCONSIN-MADISON
MADISON, WISCONSIN

Phase 1 &2 Concept Site Plan



08/11/10