



# URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:  
<http://www.cityofmadison.com/planning/documents/UDCapplication.pdf>

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

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

Date Submitted: <u>12/10/2014</u>	<input type="checkbox"/> Informational Presentation
UDC Meeting Date: <u>12/17/2014</u>	<input checked="" type="checkbox"/> Initial Approval
Combined Schedule Plan Commission Date (if applicable): <u>02/23/2015</u>	<input type="checkbox"/> Final Approval

1. Project Address: 740 University Avenue  
Project Title (if any): UW - Madison School of Music Performance

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  
University of Wisconsin-Madison, Madison, WI  
Facilities Planning & Management  
Suite 900 WARF Building  
610 Walnut Street  
Madison, WI. 53726  
Gary Brown, Director, Campus Planning & Landscape  
gbrown@fpm.wisc.edu  
P: 608-263-3023

Agent  
Strang, Inc.  
6411 Mineral Point Road, Madison, WI 53705-4395  
P: 608-276-9200  
Larry Barton, Principal barton@strang-inc.com  
Mark Bastian, Senior Project Manager mbastian@strang-inc.com

Owner  
WI DOA/ DFD  
Russ Van Gilder, Project Manager  
russ.vangilder@wisconsin.gov  
101 East Wilson Street, 7th Floor, P.O. Box 7866  
Madison, WI 53707-7866 P: 608-266-1412

**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 Tim Parks - DAT Meeting on 09/25/14.  
(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 Mark Bastian Relationship to Property Agent

Authorized Signature  Date 12/10/14



December 17, 2014

**Letter of Intent**

To: Urban Design Commission

Project: UW-Madison School of Music Performance, DFD Project No. 10F2J  
740 University Avenue

**Client**

Wisconsin Dept. of Administration  
Division of Facilities Development (DFD)  
101 East Wilson Street, 7th Floor, P.O. Box 7866, Madison, WI 53707-7866  
Russ Van Gilder, Project Manager russ.vangilder@wisconsin.gov  
P: 608-266-1412

**Institution**

University of Wisconsin-Madison, Madison, WI  
Peter Heaslett, Project Manager pheaslett@fpm.wisc.edu  
P: 608-263-3012  
Gary Brown, Director, Campus Planning & Landscape Architecture gbrown@fpm.wisc.edu  
P: 608-263-3023  
Susan Cook, Director, School of Music, Professor of Musicology director@music.wisc.edu  
P: 608-263-1900

**Architectural (Prime Firm)**

Strang, Inc.  
6411 Mineral Point Road, Madison, WI 53705-4395  
P: 608-276-9200  
Larry Barton, Principal barton@strang-inc.com  
Mark Bastian, Senior Project Manager mbastian@strang-inc.com

**Architectural (Association Firm)**

Holzman Moss Bottino Architecture (HMBA)  
214 West 29th Street Tower, 17th Floor, New York, NY 10001  
P: 212-465-0808  
Malcolm Holzman, Principal mholzman@holzmanmoss.com  
Douglas Moss, Partner dmoss@holzmanmoss.com

**Landscape Architecture**

Ken Saiki Design  
303 South Paterson Street, Suite 1, Madison, WI 53703  
P: 608-251-3600  
Ken Saiki, Landscape Team Leader ksaiiki@ksd-la.com  
Shane Bernau, Landscape Architect sbernau@ksd-la.com

**Civil Engineering**

OTIE Engineering  
5100 Eastpark Blvd, Suite 300, Madison, WI 53718  
P: 608-243-6470  
Steve Whayland, Civil Team Leader swhayland@otie.com

**Project Data and Statistics:**

Current zoning: C-I, Campus Institutional

Building Area:	Total building area (Phase I) =	32,123 gross square feet
	Total building area (Phase II) =	<u>42,335 gross square feet</u>
	Total overall building area (Phase I & II) =	74,458 gross square feet

Building height above grade is 2 stories (approx. 42') Phase I; 3 stories (approx. 56') Phase II.

**Building Summary:**

The University of Wisconsin - Madison School of Music proposes a new Performance Facility project as part of the University's Music / Art Museum Block Master Plan. The site is located at the intersection of North Lake Street and University Avenue. The Music Performance Building has both an academic and a public mission. The site development will accommodate regular users; students, faculty and staff, as well as, occasional guests. Building massing, use of materials and location will contribute to the project as a true campus gateway. The project consists of a 32,123 GSF Phase I scope. This includes the construction a 325-seat Recital Hall, a 3,100 ASF Rehearsal Space, as well as, main front lobby and all the necessary support spaces. Phase II to the north, will include the 737-seat concert hall as a separate future project. Phase II, currently not funded, however will be included in the initial design work of Phase I to provide integration of all building systems between the two phases. The site has been cleared to receive the new building. The project is seeking design review and approval for Phase I and Phase II.

**Site and Landscape Design:**

Site design will accessibly accommodate pedestrian, cyclist, and vehicular users. The site and landscape design will facilitate gracious entries into the proposed building from University Avenue and will engage the street at the pedestrian level. New amenities include paving, street trees, site lighting, site furniture, and landscaping. Site design must also relocate an existing bus stop within the project boundary along University Ave. Coordination with the city to expand North Lake Street's right-of-way for an additional south bound lane is on-going. Furthermore, the project vacates a portion of Fitch Ct.

**Parking and Access:**

Included in Phase I, 28 automobile parking stalls will be provided for UW - Madison campus permit lot use. In addition, 2 accessible stalls will be provided. Accessible parking is provided near the northwest end of the building. 56 bicycle parking stalls are provided near the west student entrance and along North Lake Street. One loading dock will be provided on the northwest end of the building. Delivery, service and fire department access to the center of the block will be provided via the parking lot access drive for Phase I. Under Phase II development, all surface parking is eliminated.

**Site Utility/HVAC Equipment Locations and Screening:**

All HVAC Equipment will be located in the lower level of the building.

**Project Schedule:**

Construction is currently scheduled to begin in November 2015 and be completed in spring 2017.

Attachments: Application, Letter of Intent, Initial/ Final Submission Packet

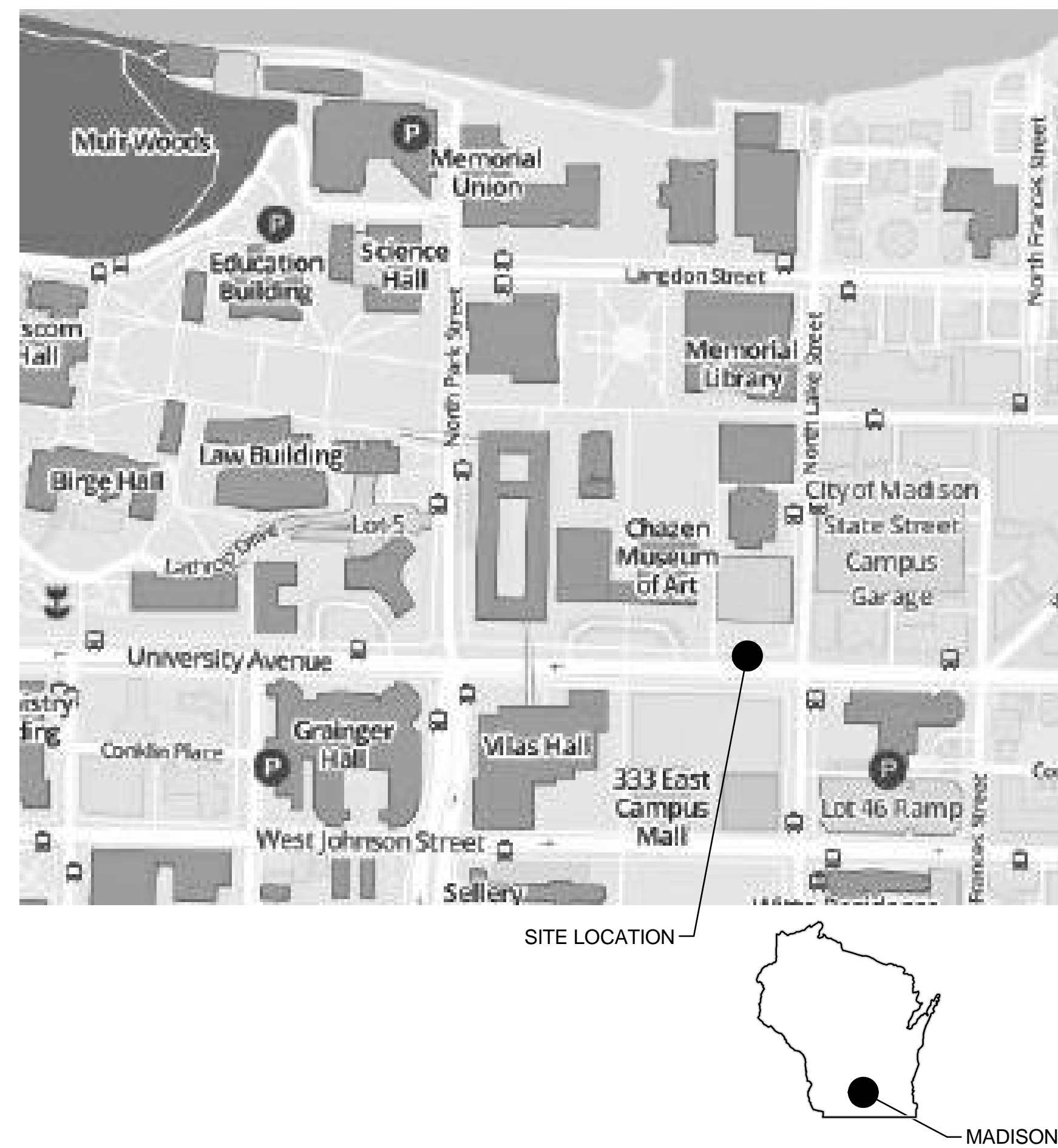


# MUSIC PERFORMANCE BUILDING, PHASE I & II

740 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

PROJECT NO. : 10F2J

## SITE LOCATION MAP



## DESIGN TEAM

- ARCHITECT OF RECORD**  
STRANG, INC.
- ARCHITECTURAL DESIGN**  
HOLZMAN MOSS BOTTINO ARCHITECTURE
- CIVIL/LANDSCAPE DESIGN**  
KEN SAIKI DESIGN
- CIVIL ENGINEERING**  
OTIE ENGINEERING
- ELECTRICAL ENGINEERING**  
STRANG, INC.

## PROJECT IMAGE



## SHEET INDEX - UDC INITIAL/ FINAL SUBMISSION

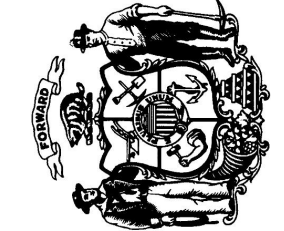
- GENERAL**
- T01 TITLE SHEET
  - T02 UW MASTER PLAN DIAGRAM
  - T03 SITE CONTEXT PHOTOS
- CIVIL**
- 1 EXISTING CONDITIONS SURVEY
  - C201 SITE PLAN - PHASE I
  - C203 GRADING PLAN - PHASE I
  - C211 SITE PLAN - PHASE II
- LANDSCAPE**
- L200 LANDSCAPE PLAN - PHASE I
- ARCHITECTURAL**
- A200 LOWER LEVEL FLOOR PLAN - PHASE I
  - A201 FIRST FLOOR PLAN - PHASE I
  - A202 SECOND FLOOR PLAN - PHASE I
  - A210 LOWER LEVEL FLOOR PLAN - PHASE II
  - A211 FIRST FLOOR PLAN - PHASE II
  - A212 SECOND FLOOR PLAN - PHASE II
  - A213 THIRD FLOOR AND MEZZANINE PLANS - PHASE II
  - A401 EXTERIOR ELEVATIONS - PHASE I
  - A402 EXTERIOR ELEVATIONS - PHASE I
  - A411 EXTERIOR ELEVATIONS - PHASE II
  - A412 EXTERIOR ELEVATIONS - PHASE II
  - A801 EXTERIOR DETAILS - SIGNAGE
- SITE LIGHTING**
- E200 SITE LIGHTING PLAN - PHASE I
  - E210 SITE LIGHTING PLAN - PHASE II

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Project Address:  
740 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

Project Title:  
**MUSIC PERFORMANCE BUILDING, PHASE I & II**

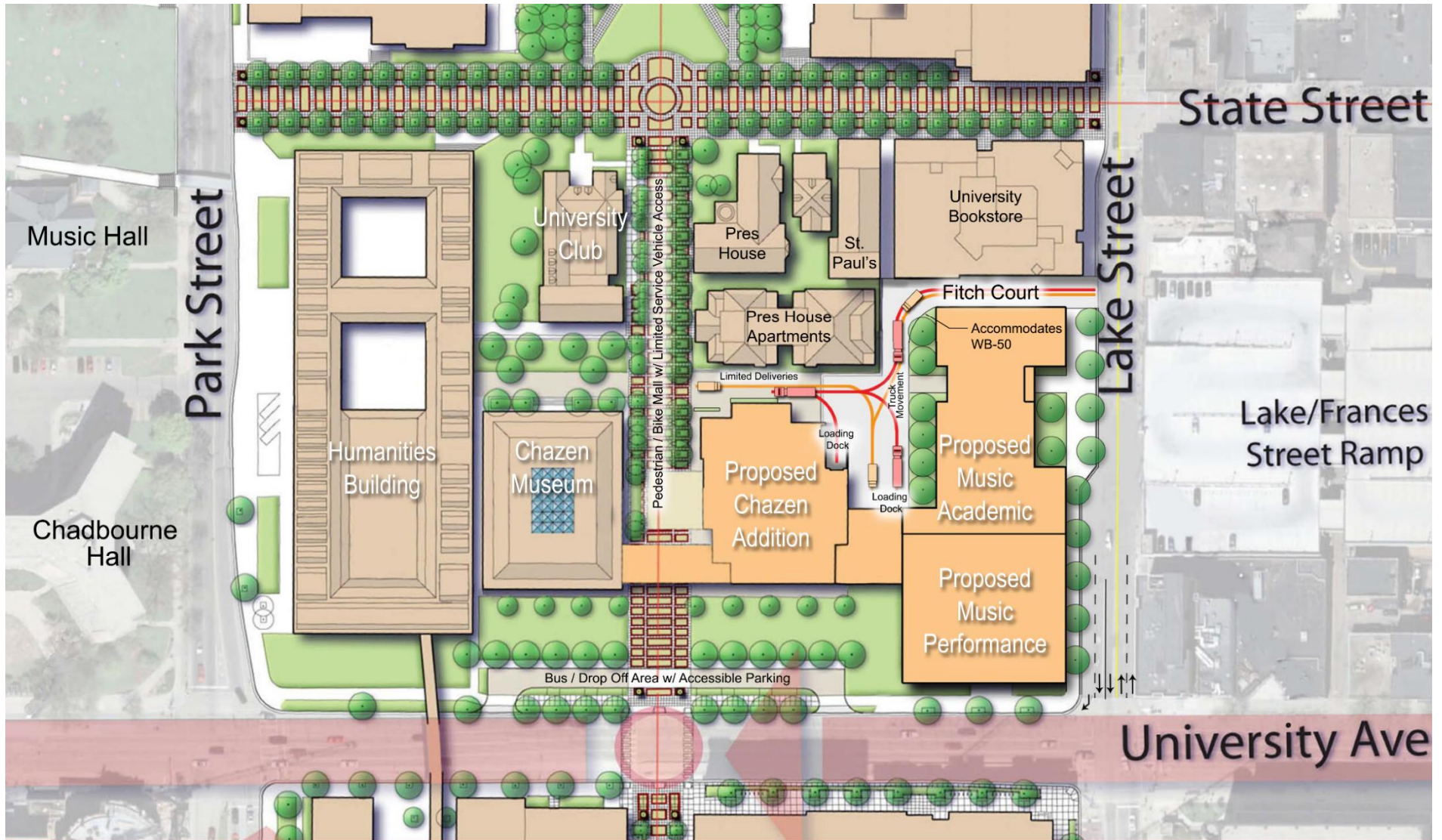
Architect/Engineer:  
**UW SYSTEM ADMINISTRATION  
UNIVERSITY OF WISCONSIN - MADISON**

Sheet Title:  
**TITLE SHEET**

Gr	SD
DSF	FFJ
SD	SD
D	
S	T01



2009 CITY OF MADISON APPROVED MASTER PLAN DIAGRAM



## Music / Art Museum Block Master Plan

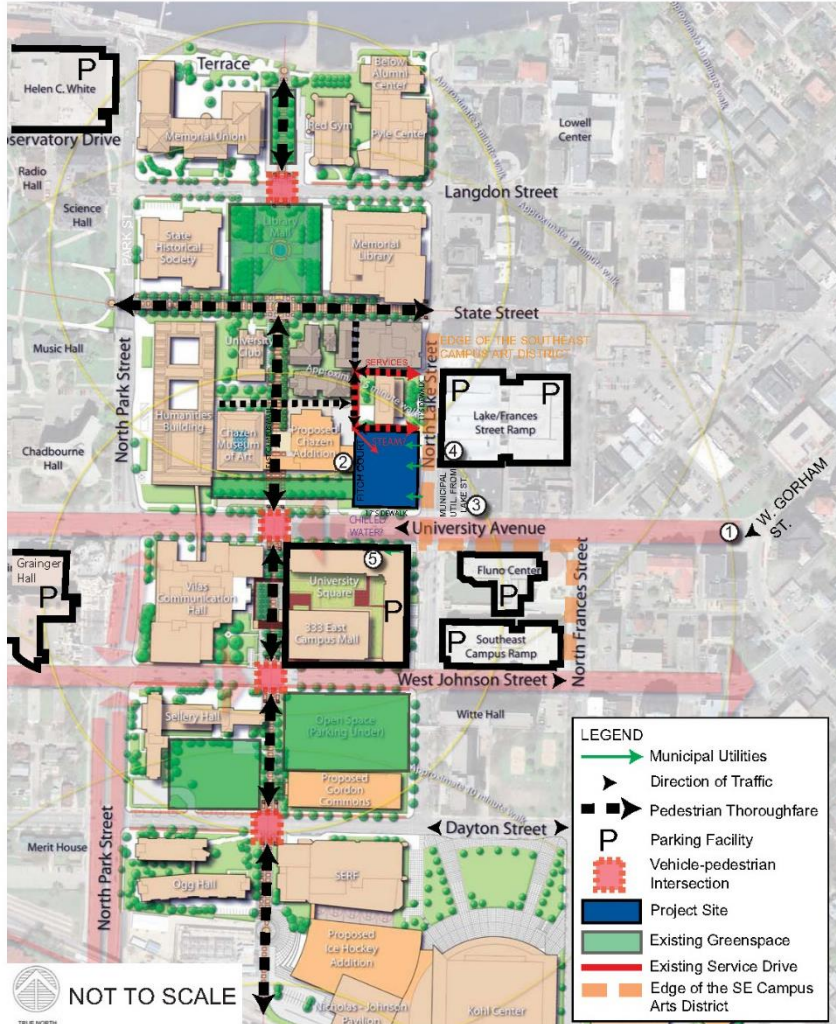
Facilities Planning and Management .. Campus Planning and Landscape Architecture

09.29.2009





# CONTEXTUAL ANALYSIS



# VIEWS OF THE MUSIC PERFORMANCE SITE



View West from the University Bend



View from in front of Chazen Museum of Art



View of Proposed Site from Campus Parking Ramp



View from Proposed Site—Building Design to be Coordinated with City of Madison's Lake Street Reconstruction



Panoramic View Northeast from the Lucky Apartments

UW-MADISON SCHOOL OF MUSIC PERFORMANCE



## BUILDINGS ADJACENT TO THE MUSIC PERFORMANCE SITE



UW-Extension Building; Site of Possible Phase 3 Expansion



State Street Campus Parking Ramp @ Lake Street



Site Approach Corner

Associated Bank Building



University Square Looking South



Chazen Museum of Art



South Plaza of the Chazen Museum of Art Addition



East Campus Mall



Chazen Addition



Presbyterian House Apartments



Chazen Addition and Proposed Site

## UW-MADISON SCHOOL OF MUSIC PERFORMANCE

## BUILDINGS ADJACENT TO THE MUSIC PERFORMANCE SITE



Site Approach Corner



Associated Bank Building



Chasen Addition



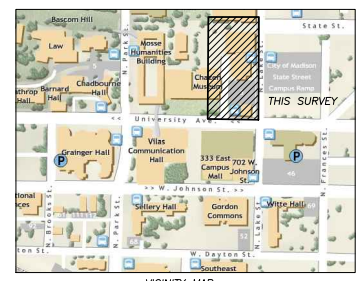
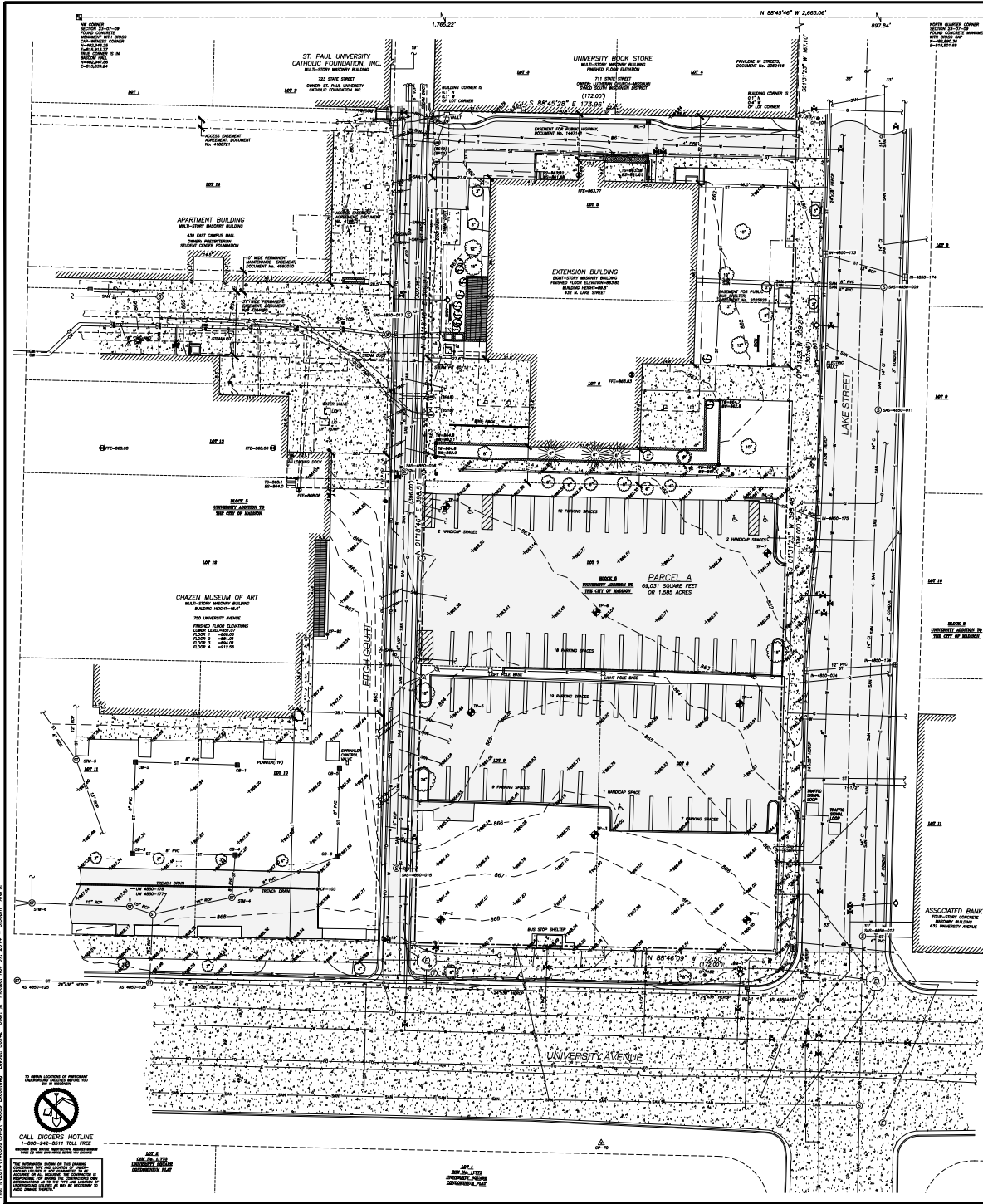
Chasen Addition at Night



Parking Lot and Proposed Site

UW-MADISON SCHOOL OF MUSIC PERFORMANCE





**JSD Professional Services, Inc.**  
 INCORPORATED IN WISCONSIN WITH A  
 COMMITMENT TO EXCELLENCE, INTEGRITY,  
 INTEGRITY AND SERVICE TO OUR CLIENTS.  
 PROVIDING THE BEST OF BOTH LAND AND SURVEYING.

- CIVIL ENGINEERING
- SURVEYING & MAPPING
- CONSTRUCTION SERVICES
- WATER RESOURCES
- PLANNING & DEVELOPMENT
- TRANSPORTATION ENGINEERING
- STRUCTURAL ENGINEERING
- LANDSCAPE ARCHITECTURE

MADISON REGIONAL OFFICE  
 161 HORTON DRIVE, SUITE 310  
 VERONA, WISCONSIN 53593  
 608.846.5000 PHONE | 608.846.2255 FAX  
 MADISON REGIONAL OFFICE  
 KENSHA BAPPLETON  
 www.jsdinc.com

SERVICES PROVIDED TO:  
 STRANG  
 6411 MINERAL POINT ROAD  
 MADISON, WI 53705

- LEGEND**
- GOVERNMENT CORNER
  - OVERSEED 3" FINDER
  - CONTROL POINT
  - BENCHMARK
  - FINISHED FLOOR SHOT LOCATION
  - BOLLARD
  - POST
  - SIOW
  - CONCRETE CURB & GUTTER
  - WATER LINE
  - STORM SEWER
  - UNDERGROUND GAS
  - UNDERGROUND ELECTRIC
  - UNDERGROUND TELEPHONE
  - CHILLED WATER SUPPLY
  - CHILLED WATER RETURN
  - BUILDING
  - INDEX CONTOUR
  - INTERIMMENT CONTOUR
  - ELECTRIC METER
  - ELECTRIC METER
  - POWER POLE W/SWITCH
  - LIGHT POLE
  - PAVING SIGNAL
  - WALK
  - UN SIGNAL MANHOLE
  - TELEPHONE MANHOLE
  - DEODOROUS TREE
  - HANDICAP PARKING
  - PARCEL BOUNDARY
  - RIGHT-OF-WAY LINE
  - CONTINENT
  - PLATTED LOT LINE
  - GRADE ON SAFETY WALL
  - EDGE OF PAVEMENT
  - CONCRETE CURB & GUTTER
  - CONCRETE SEWER
  - UNDERGROUND GAS
  - UNDERGROUND ELECTRIC
  - UNDERGROUND TELEPHONE
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  - PAVING SIGNAL
  - WALK
  - UN SIGNAL MANHOLE
  - TELEPHONE MANHOLE
  - DEODOROUS TREE
  - HANDICAP PARKING
  - TEST PIT

**BENCHMARKS**

BENCH MARK	ELEVATION	DESCRIPTION
BM-1	869.80	TOP NW CORNER AT NW CORNER OF LAKE STREET AND UNIVERSITY AVENUE

**CONTROL POINTS**

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	482,302.14	817,008.81	868.74	CHANG
CP-2	482,302.14	817,049.33	868.34	CHANG
CP-3	482,302.14	817,074.21	868.00	CHANG
CP-4	482,302.14	817,098.47	867.54	CHANG

**UN - PRIMARY STRUCTURES**

STRUCT. ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-1	867.50	867.50	867.50	867.50	867.50	867.50	867.50
867-2	867.31	867.31	867.31	867.31	867.31	867.31	867.31

**UN - SIGNAL STRUCTURES**

STRUCT. ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-3	867.31	867.31	867.31	867.31	867.31	867.31	867.31
867-4	867.31	867.31	867.31	867.31	867.31	867.31	867.31

**UN - STEAM VAULTS**

STRUCT. ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-5	867.31	867.31	867.31	867.31	867.31	867.31	867.31
867-6	867.31	867.31	867.31	867.31	867.31	867.31	867.31

**UN - SANITARY SEWER MANHOLES**

STRUCT. ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-7	867.50	867.50	867.50	867.50	867.50	867.50	867.50
867-8	867.50	867.50	867.50	867.50	867.50	867.50	867.50

**UN - STORM SEWER MANHOLES**

STRUCT. ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-9	867.50	867.50	867.50	867.50	867.50	867.50	867.50
867-10	867.50	867.50	867.50	867.50	867.50	867.50	867.50

**CATCH BASINS**

CATCH BASIN ID	R/W	UN	ELEVATION	UN	UN	UN	UN
867-11	867.50	867.50	867.50	867.50	867.50	867.50	867.50
867-12	867.50	867.50	867.50	867.50	867.50	867.50	867.50

**UTILITY CONTACTS**

**SUPRANE**  
 8000 EXPLORER DRIVE  
 MADISON, WI 53711-9114  
 PHONE: 608-263-0282

**AT&T DISTRIBUTION**  
 100 WEST WASHINGTON AVENUE  
 MADISON, WI 53703  
 PHONE: 608-263-2432

**MG&E (MADISON GAS AND ELECTRIC CO.)**  
 123 BOY STREET  
 MADISON, WI 53701-1231  
 PHONE: 608-255-4765

**CITY OF MADISON ENGINEERING**  
 201 MARVIN LUTHER AVENUE, 4TH FLOOR  
 MADISON, WI 53705  
 PHONE: 608-267-8849

**CHARTER COMMUNICATIONS**  
 2701 DANIELS STREET  
 MADISON, WI 53718  
 PHONE: 608-274-8822 ext 6724

**TDS TELECOM**  
 307 WESTFIELD ROAD  
 MADISON, WI 53717-1799  
 PHONE: 608-664-4431

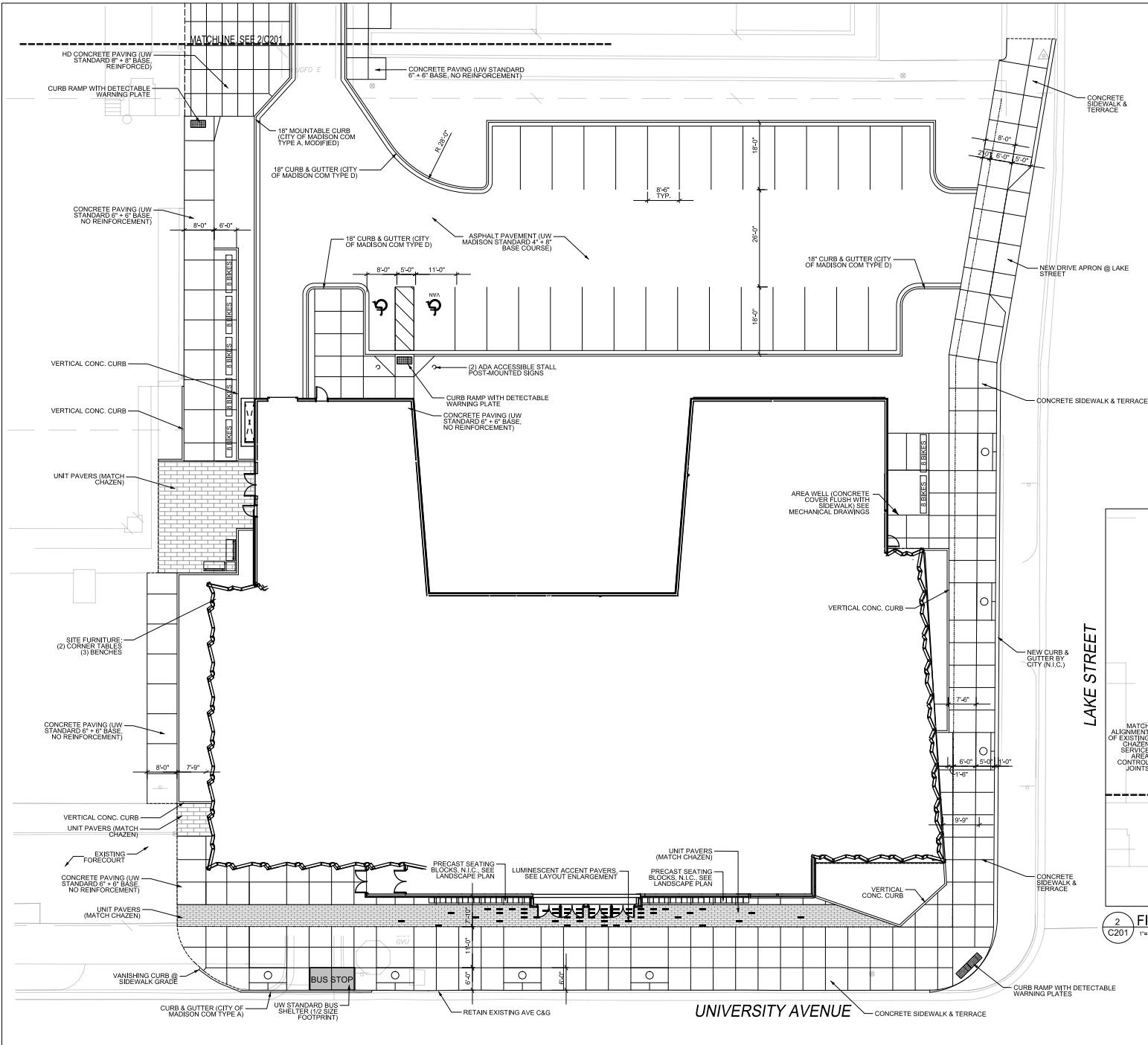
**AMERICAN TRANSMISSION CO. (ATC)**  
 123 BOY STREET  
 MADISON, WI 53705  
 PHONE: 608-777-7056

**LIGHTFOCUS, A CENTURYLINK COMPANY**  
 325 FRONT STREET  
 NORTH LA CROSSE, WI 54601  
 PHONE: 608-796-7447

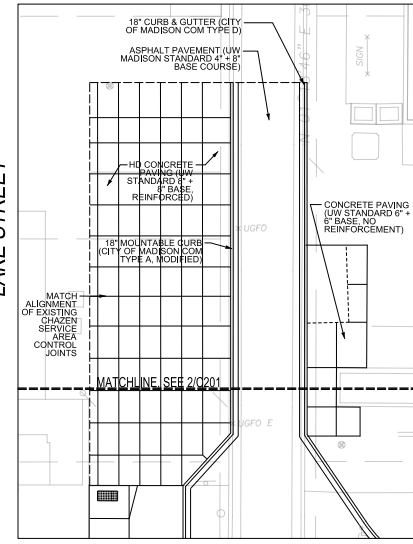
**UNIVERSITY OF WISCONSIN, MADISON**  
 PHYSICAL PLANT CONTACTS  
 ELECTRICAL SHOP  
 JEFF JOHNSON  
 608-262-7776  
 PLUMBING SHOP  
 ANNEBELLE M. STER  
 608-265-3961  
 STEAMFITTER SHOP  
 KEVIN COCHRAN  
 608-262-3491

**NOTES**

- THIS SURVEY AND MAP IS BASED ON THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY.
- FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES, INC. ON JULY 28 & 29, 2014.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS UN03.4 BRACED ON N. HORTON BLVD., PUBLISHED AS 861.53.
- CONTOUR INTERVAL IS ONE FOOT.
- SPOT ELEVATIONS SHOWN ALONG CURB AND GUTTER REFERENCE THE TOP BACK OF CURB.
- SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPROPRIATELY LOCATING DIGGING HOTLINE FIELD RECORDS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGING'S HOTLINE TICKET NO. 20143007368, 20143007362, 20143007409 AND 20143007427.
- BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGING'S HOTLINE, AT 1-800-242-8911.
- THE ACCURACY OF THE BENCHMARKS SHOWN ON THIS MAP SHALL BE VERIFIED BEFORE BEING UTILIZED. JSD PROFESSIONAL SERVICES, INC. DOES NOT WARRANT THE ACCURACY OF THESE BENCHMARKS.
- THIS PARCEL IS IN ZONE S<sub>1</sub> ON PARCEL 409 OF 800 MAP NUMBER 02000400000, MAP REVISED JANUARY 02, 2006. ZONE 40-845 IS DETERMINED TO BE OUTSIDE THE CURB AND GUTTER FLOOR PLAN.
- FLOOR AND ROOF ELEVATIONS ARE SHOWN AT THE APPROXIMATE LOCATIONS WHERE THE DATA WAS COLLECTED.
- PARCELS No. 07000320401, 07000320402, 07000320403, 07000320404, 07000320405, 07000320406, 07000320407, 07000320408, 07000320409, 07000320410, 07000320411, 07000320412, 07000320413, 07000320414, 07000320415, 07000320416, 07000320417, 07000320418, 07000320419, 07000320420, 07000320421, 07000320422, 07000320423, 07000320424, 07000320425, 07000320426, 07000320427, 07000320428, 07000320429, 07000320430, 07000320431, 07000320432, 07000320433, 07000320434, 07000320435, 07000320436, 07000320437, 07000320438, 07000320439, 07000320440, 07000320441, 07000320442, 07000320443, 07000320444, 07000320445, 07000320446, 07000320447, 07000320448, 07000320449, 07000320450, 07000320451, 07000320452, 07000320453, 07000320454, 07000320455, 07000320456, 07000320457, 07000320458, 07000320459, 07000320460, 07000320461, 07000320462, 07000320463, 07000320464, 07000320465, 07000320466, 07000320467, 07000320468, 07000320469, 07000320470, 07000320471, 07000320472, 07000320473, 07000320474, 07000320475, 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- GENERAL NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR STAKING SITE FOR HORIZONTAL AND VERTICAL ALIGNMENT.
  2. ANY DEVIATION FROM OR MODIFICATIONS OF LAYOUT AND DIMENSIONS SHOWN ON THIS PLAN SHALL REQUIRE PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
  3. CONTRACTOR SHALL PLACE ALL CONCRETE CONTROL JOINTS AS SHOWN ON THE DRAWINGS.
  4. CONTRACTOR SHALL ARRANGE FOR LAYOUT APPROVAL WITH OWNER'S REPRESENTATIVE PROVIDING A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO ANY EXECUTION OF WORK.
  5. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING SITE ELEMENTS. CONTRACTOR SHALL CONTACT DIGGERS HOT LINE AND UW MADISON FPM FOR UNDERGROUND UTILITY LOCATIONS.
  6. COORDINATES ARE BASED ON WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY. SITE SURVEY PROVIDED BY JSD PROFESSIONAL SERVICES, INC. ON JULY 29TH, 2014.
  7. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS UW03, A BRASS CAP IN A MONUMENT BOX. PUBLISHED AS 801.35.
  8. THE PARKING LOT DESIGN IS ACCORDING TO STATE OF WISCONSIN PARKING DESIGN STANDARDS AND APPROVED BY THE STATE OF WISCONSIN.



2 FITCH CT. SITE PLAN  
1"=10' @ 30"x42" FULL SIZE SHEET

1 SITE PLAN - PHASE I  
1"=10' @ 30"x42" FULL SIZE SHEET

**STRANG**  
ASSOCIATION  
CONCRETE  
WORKS DESIGN

4411 HENNING ROAD  
MADISON, WI 53704-3906  
TEL: 608.261.8100

**HOLMAN MOSS BOTTING**  
ARCHITECTURE

1111 UNIVERSITY AVENUE  
MADISON, WI 53706  
TEL: 608.261.8100

Consultant:

**KEN SAUER**  
CONSULTANTS

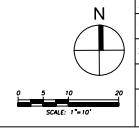
100 UNIVERSITY AVENUE  
MADISON, WI 53706  
TEL: 608.261.8100

State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)

Project Address:  
UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

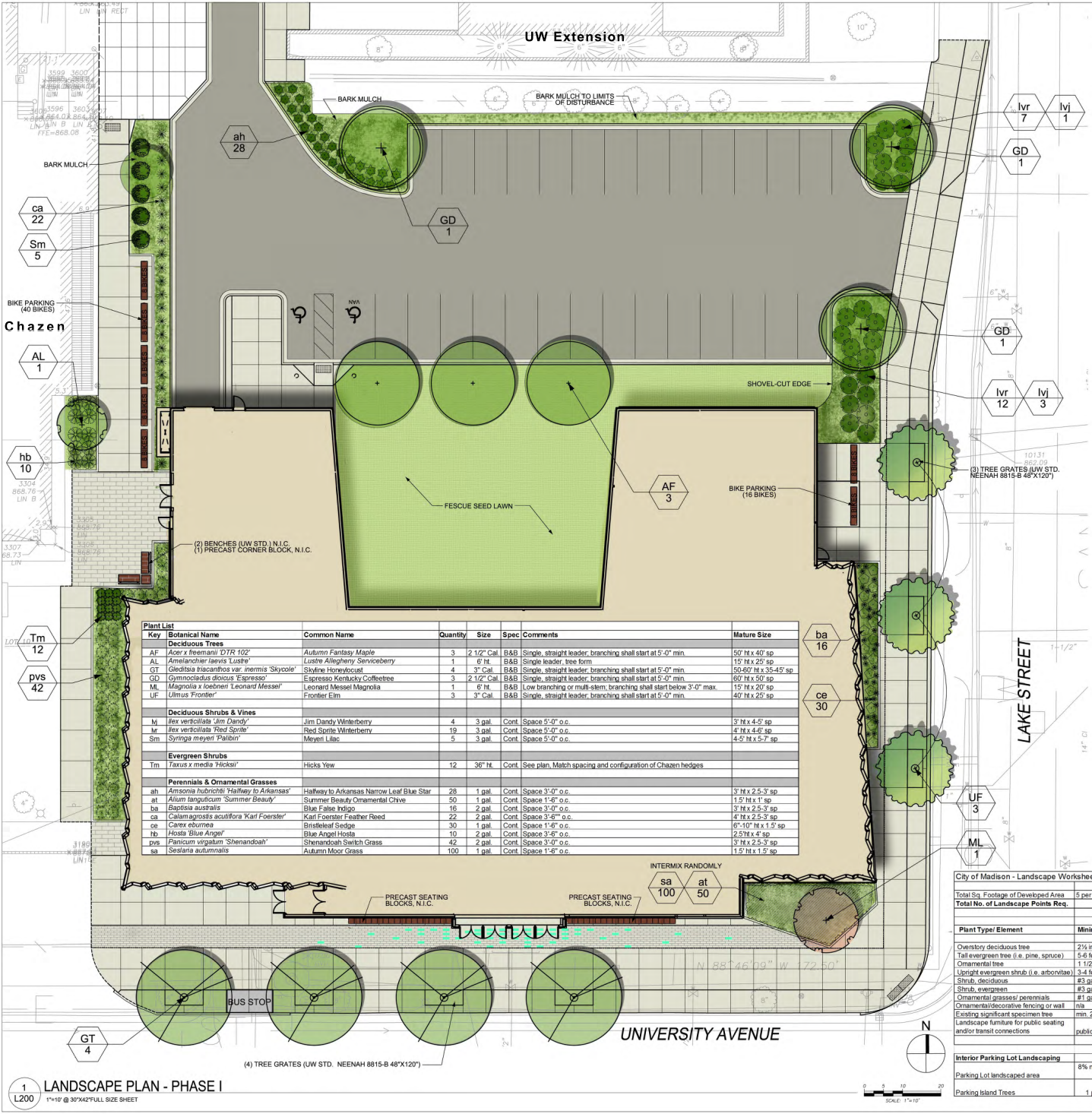
Revisions	
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Graphic Scale	10F2J
DSF Number	UDC SUBMITTAL
Set Type	12/08/2014
Date Issued	
Sheet Number	C201









- GENERAL NOTES**
1. ALL FESCUE SEED LAWN AREAS SHALL RECEIVE 6" MIN. TOPSOIL.
  2. ALL PLANTING BEDS SHALL RECEIVE 12" MIN. PLANTING SOIL.
  3. THE PARKING LOT DESIGN IS ACCORDING TO STATE OF WISCONSIN PARKING DESIGN STANDARDS AND APPROVED BY THE STATE OF WISCONSIN.

**STRANG**  
ARCHITECTURE  
LANDSCAPE ARCHITECTURE  
4611 MARSHAL POINT ROAD  
MADISON, WI 53705-0395  
1/2018 12/2018

**HOLMAN MOSS BOTTING**  
ARCHITECTURE  
10101 WISCONSIN AVENUE  
MADISON, WI 53705-1010  
1/2018 12/2018

Consultant:  
**KEN SAUER**  
DESIGN INC.  
1500 UNIVERSITY AVENUE  
MADISON, WI 53706-1300  
1/2018 12/2018

Project Name:  
**State of Wisconsin  
Department of Administration  
Division of Facilities Development (DFD)**

Project Address:  
**UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706**

Project Title:  
**MUSIC PERFORMANCE BUILDING, PHASE I & II**

Agency / Institution:  
**UNIVERSITY OF WISCONSIN - MADISON**

Sheet Title:  
**LANDSCAPE PLAN - PHASE I**

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.

**NO OPEN FLAMES OR SMOKING**  
TO OBTAIN LOCATION OF UTILITIES, CONTACT THE  
DIGGERS HOTLINE

CALL DIGGERS HOTLINE  
1-800-242-8511  
TOLL FREE  
FAX A LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WS STATUTE 183.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU DIGGATE.

Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments	Mature Size
<b>Deciduous Trees</b>							
AF	<i>Acer x freemanii</i> 'OTR 102'	Autumn Fantasy Maple	3	2 1/2" Cal	B&B	Single, straight leader, branching shall start at 5'-0" min.	50' H x 40' sp
AL	<i>Amelanchier laevis</i> 'Lustra'	Lustré Alleghany Serviceberry	1	6" Ht	B&B	Single leader, tree form	15' H x 25' sp
GT	<i>Gleditsia tricanthos</i> var. 'nervis' 'Skyline'	Skyline Honeylocust	4	3" Cal	B&B	Single, straight leader, branching shall start at 5'-0" min.	50-60' H x 35-45' sp
GD	<i>Gymnocladia dioica</i> 'Espresso'	Espresso Kentucky Coffeetree	3	2 1/2" Cal	B&B	Single, straight leader, branching shall start at 5'-0" min.	60' H x 50' sp
ML	<i>Magnolia x loebneri</i> 'Leonard Messel'	Leonard Messel Magnolia	1	6" Ht	B&B	Low branching or multi-stem, branching shall start below 3'-0" max.	15' H x 20' sp
UF	<i>Ulmus 'Frontier'</i>	Frontier Elm	3	3" Cal	B&B	Single, straight leader, branching shall start at 5'-0" min.	40' H x 25' sp
<b>Deciduous Shrubs &amp; Vines</b>							
WJ	<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	4	3 gal	Cont.	Space 5'-0" o.c.	3' H x 4'-5' sp
WR	<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	19	3 gal	Cont.	Space 5'-0" o.c.	4' H x 4'-6' sp
Sm	<i>Syringa meyeri</i> 'Palatin'	Meyer Lilac	5	3 gal	Cont.	Space 5'-0" o.c.	4'-5' H x 5'-7' sp
<b>Evergreen Shrubs</b>							
Tm	<i>Taxus x media</i> 'Hicksii'	Hicks Yew	12	36" Ht	Cont.	See plan. Match spacing and configuration of Chazen hedges	
<b>Perennials &amp; Ornamental Grasses</b>							
ah	<i>Amsinonia tuberosa</i> 'Halfway to Arkansas'	Halfway to Arkansas Narrow Leaf Blue Star	26	1 gal	Cont.	Space 3'-0" o.c.	3' H x 2.5'-3' sp
at	<i>Alum tangulum</i> 'Summer Beauty'	Summer Beauty Ornamental Grass	50	1 gal	Cont.	Space 1'-0" o.c.	1.5' H x 3' sp
ba	<i>Baptisia australis</i>	Blue False Indigo	16	2 gal	Cont.	Space 3'-0" o.c.	3' H x 2.5'-3' sp
ca	<i>Calamagrostis acutiflora</i> 'Karl Foerster'	Karl Foerster Feather Reed	22	2 gal	Cont.	Space 3'-6" o.c.	4' H x 2.5'-3' sp
ce	<i>Carex eburna</i>	Bristleleaf Sedge	30	1 gal	Cont.	Space 1'-0" o.c.	6"-10" H x 1.5' sp
hb	<i>Hosta 'Blue Angel'</i>	Blue Angel Hosta	10	2 gal	Cont.	Space 3'-6" o.c.	2.5' H x 4' sp
pvs	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switch Grass	42	2 gal	Cont.	Space 3'-0" o.c.	3' H x 2.5'-3' sp
sa	<i>Sesleria autumnalis</i>	Autumn Moor Grass	100	1 gal	Cont.	Space 1'-0" o.c.	1.5' H x 1.5' sp

City of Madison - Landscape Worksheet		Points Req.		
Total Sq. Footage of Developed Area	5 per 300 sf of developed area	60041		
Total No. of Landscape Points Req.		1001		
<b>Plant Type/Element</b>	<b>Minimum Size at Installation</b>	<b>Points</b>	<b>Credit/Existing Landscaping</b>	<b>New Proposed Landscaping</b>
		Quantity	Points Achieved	Quantity
Ornamental deciduous tree	2 1/2 inch caliper (dbh)	35	0	13
Tall evergreen tree (i.e. pine, spruce)	5-6 feet tall	35	0	0
Ornamental tree	1 1/2 inch caliper	15	2	30
Upright evergreen shrub (i.e. arbutus)	3-4 feet tall	10	0	0
Shrub, deciduous	#3 gallon container size, Min. 12"-24"	3	28	84
Shrub, evergreen	#3 gallon container size, Min. 12"-24"	4	12	48
Ornamental grasses/ perennials	#1 gallon container size, Min. 8"-18"	2	270	540
Ornamental decorative fencing or wall	4 per 10 lin ft			
Existing significant specimen tree	min. 2-1/2" cal.	14	per inch dbh	
Landscape furniture for public seating and/or transit connections	publicly accessible	5	per set	
				<b>TOTAL POINTS</b>
				1157

Interior Parking Lot Landscaping	Required	Provided
Parking Lot landscaped area	8% min. of conc/aspalt parking area 11,106 sq ft * .08 = 889 sf	1296 sf
Parking Island Trees	1 per 160 of landscape required	6

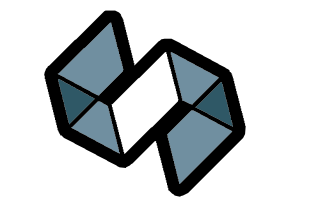
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**LANDSCAPE PLAN - PHASE I**  
1"=10' @ 30"x42" FULL SIZE SHEET

**PRELIMINARY PLAN**

Graphic Scale  
Date Issued: 12/08/2014  
Sheet Number: L200







**STRANG**

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

6411 MINERAL POINT ROAD  
MADISON, WI 53705-4395  
TEL: 608.278.8200

**HOLZMAN MOSS BOTTING**  
ARCHITECTS

214 WEST WISCONSIN STREET, 13TH FLOOR  
NEW YORK, NEW YORK 10001  
TEL: 212.465.0000 FAX: 212.465.2206  
WWW.HMZBOTHAM.COM



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

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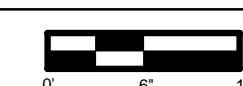
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Architect: UW SYSTEM ADMINISTRATION UNIVERSITY OF WISCONSIN - MADISON

Sheet Title: LOWER LEVEL (PHASE I)

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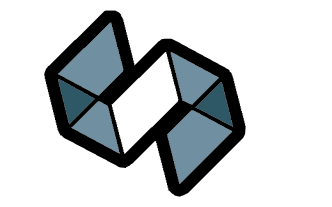
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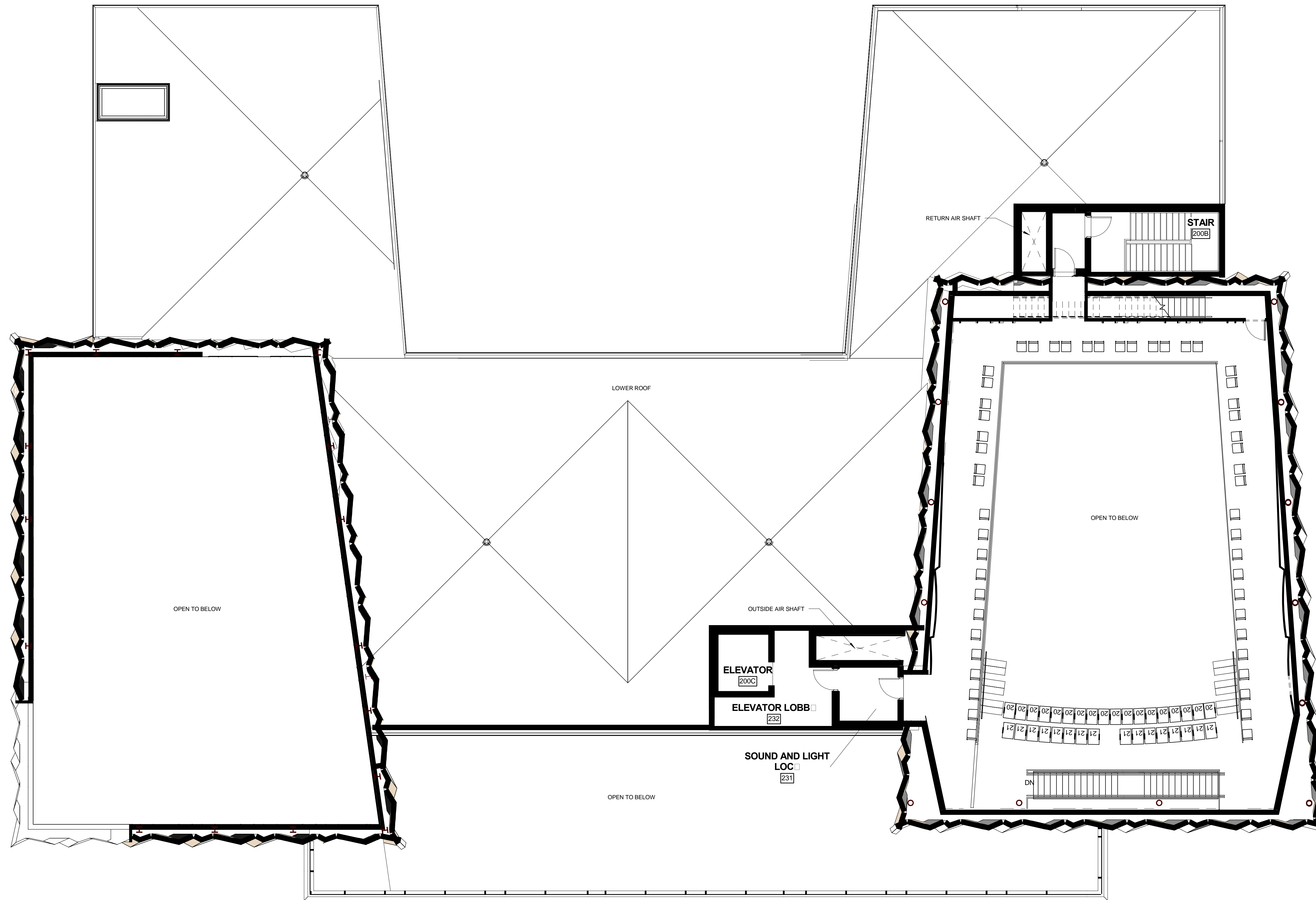
**STRANG**

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

6411 MINERAL POINT ROAD  
MADISON, WI 53705-4395  
TEL: 608.278.9200

**HOLZMAN MOSS BOTTING**  
ARCHITECTS

214 WEST 20TH STREET, 13TH FLOOR  
NEW YORK, NEW YORK 10011  
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WWW.HMZBOTHAM.COM



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A202. SECOND FLOOR PLAN  
SCALE: 1/8" = 1'-0"

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 Project Address:  
 704 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

PROJECT TITLE:  
 MUSIC PERFORMANCE BUILDING, PHASE I & II  
 ARCHITECT / INTERIOR DESIGNER:  
 UW SYSTEM ADMINISTRATION  
 UNIVERSITY OF WISCONSIN - MADISON  
 SHEET TITLE:  
 SECOND FLOOR (PHASE I)

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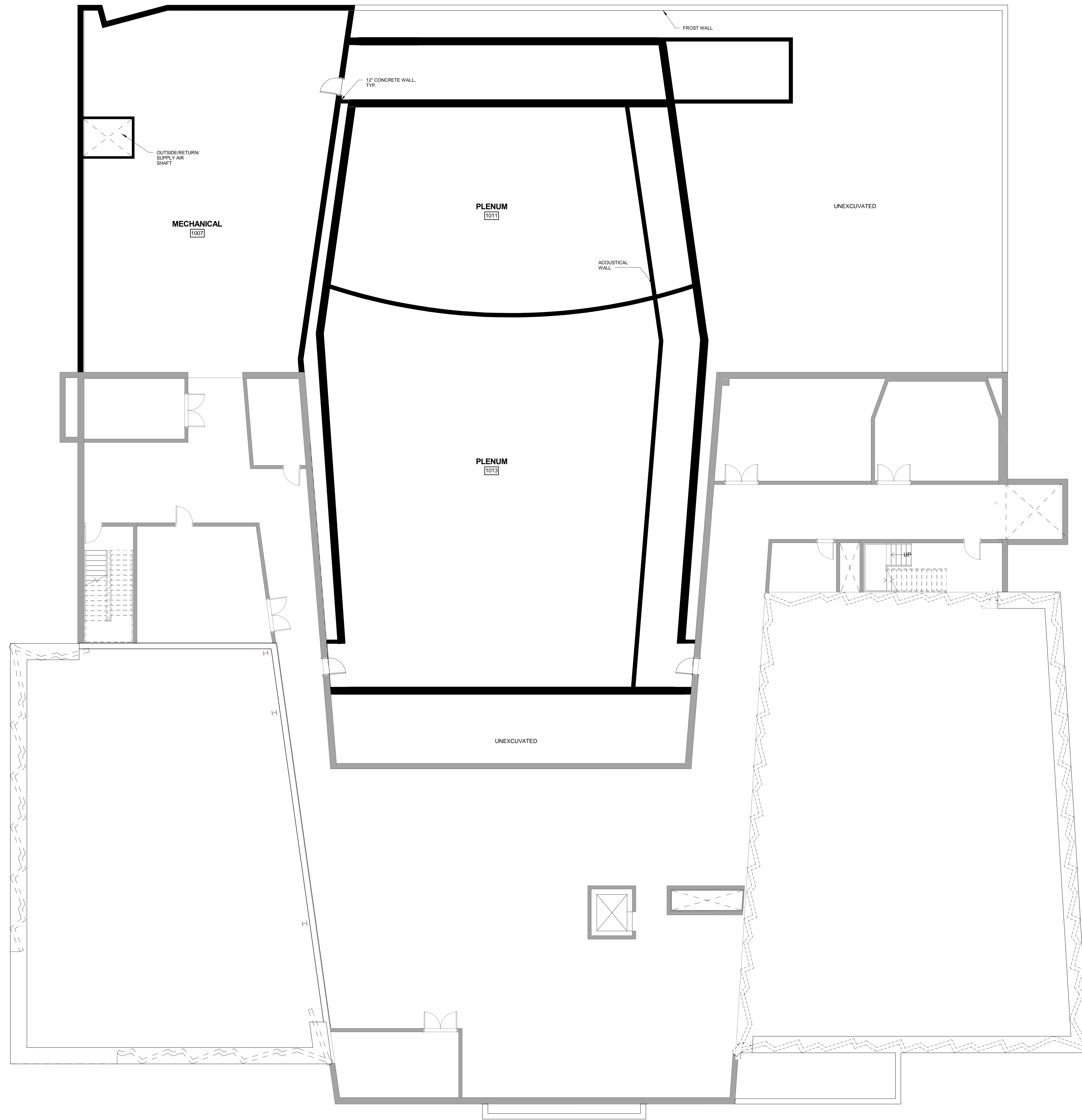
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**LOWER LEVEL FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

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Project: MUSIC PERFORMANCE BUILDING, PHASE I & II  
 Architect: UW SYSTEM ADMINISTRATION  
 UNIVERSITY OF WISCONSIN - MADISON  
 Project Address: 704 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

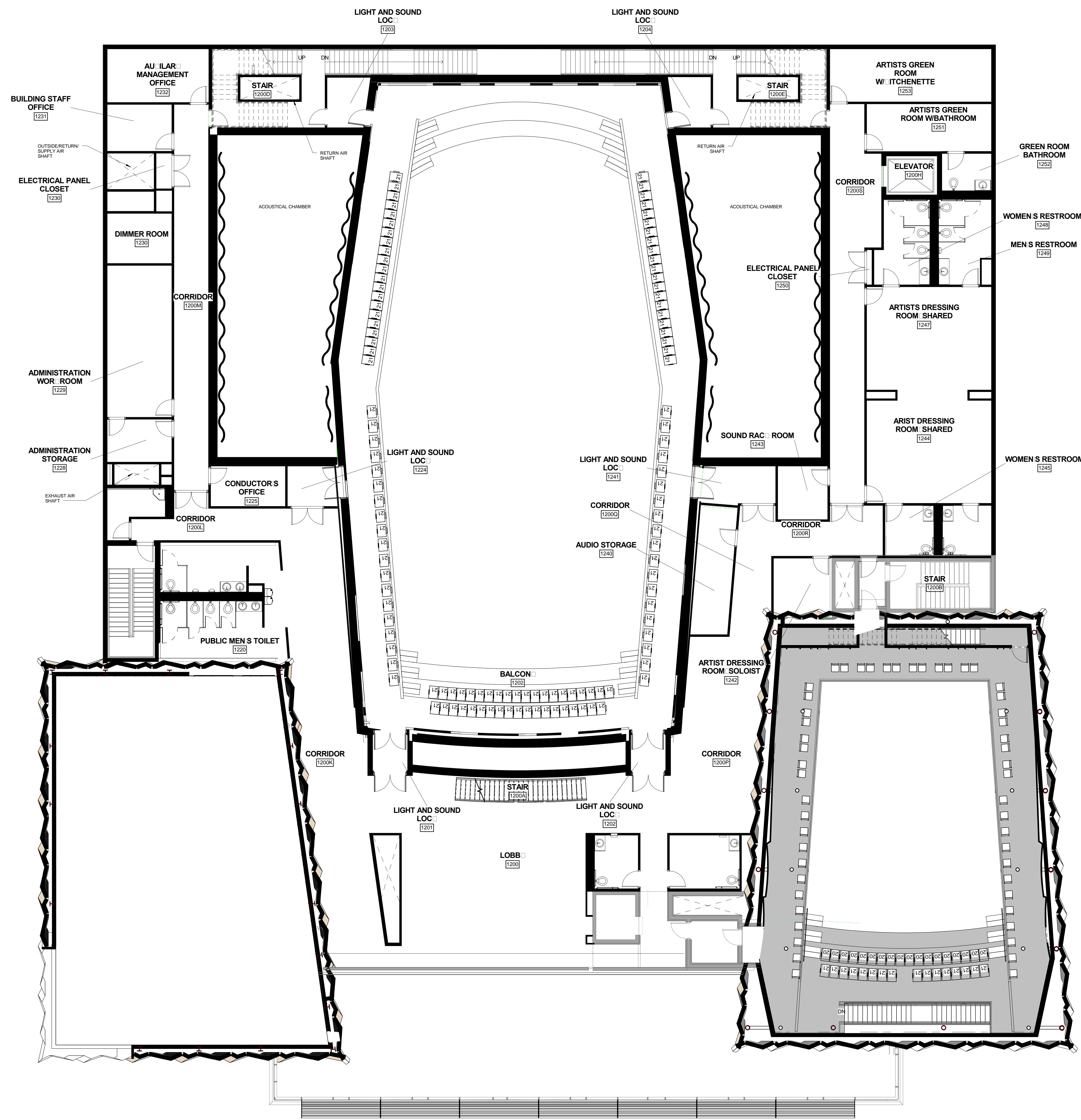
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**SECOND FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

PROJECT: MUSIC PERFORMANCE BUILDING, PHASE I & II  
 ARCHITECT: STRANG  
 DATE: 11/11/11

PROJECT ADDRESS: 704 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

DATE: 11/11/11

PROJECT: MUSIC PERFORMANCE BUILDING, PHASE I & II  
 ARCHITECT: STRANG  
 DATE: 11/11/11

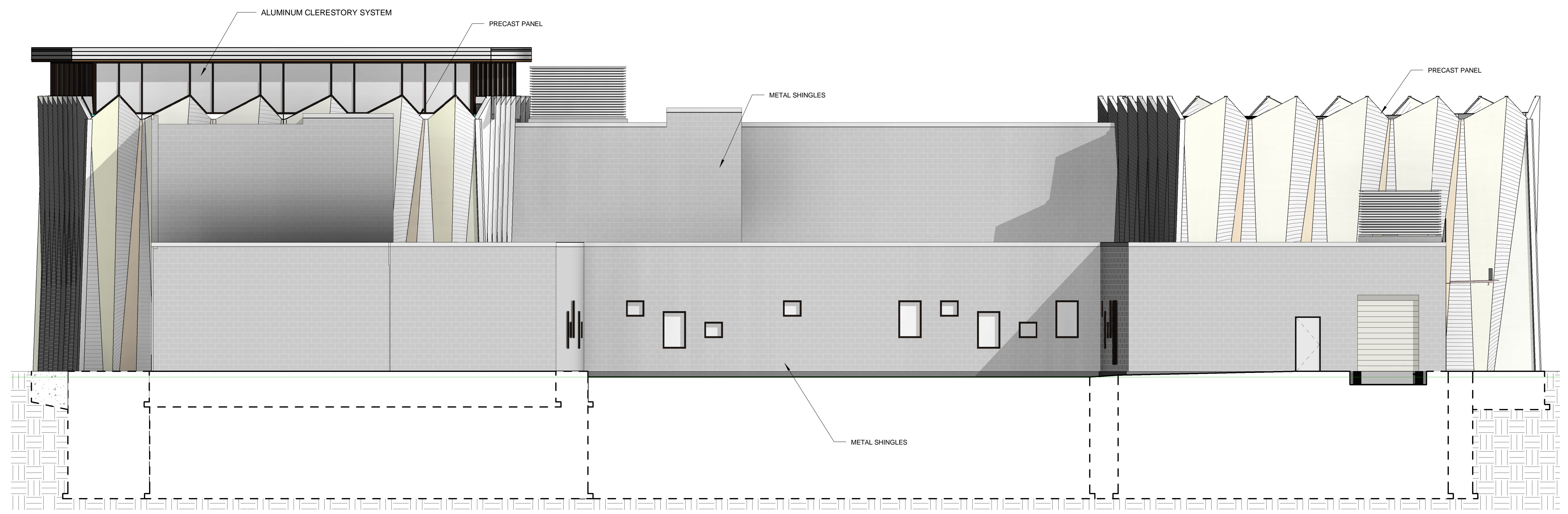
PROJECT: MUSIC PERFORMANCE BUILDING, PHASE I & II  
 ARCHITECT: STRANG  
 DATE: 11/11/11

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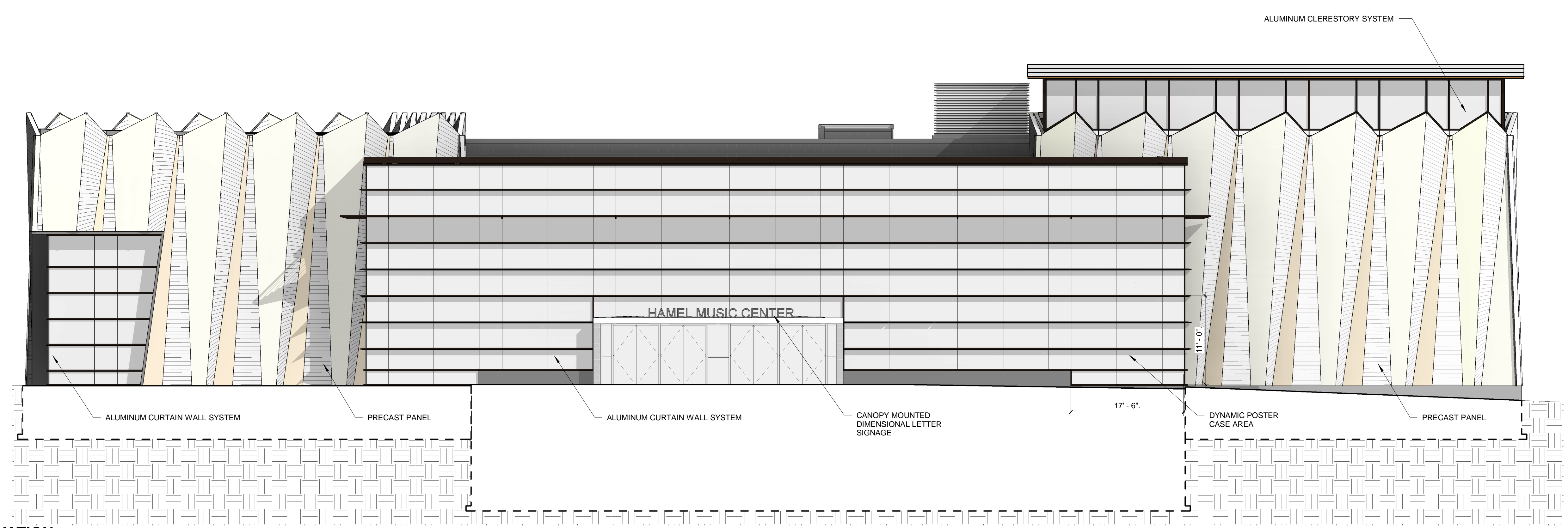








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**NORTH ELEVATION**  
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**SOUTH ELEVATION**  
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Project Address:  
 704 UNIVERSITY AVENUE  
 MADISON, WISCONSIN 53706

PROJECT TITLE:  
**MUSIC PERFORMANCE BUILDING, PHASE I & II**

ARCHITECT:  
**UW SYSTEM ADMINISTRATION  
 UNIVERSITY OF WISCONSIN - MADISON**

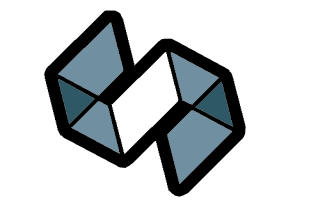
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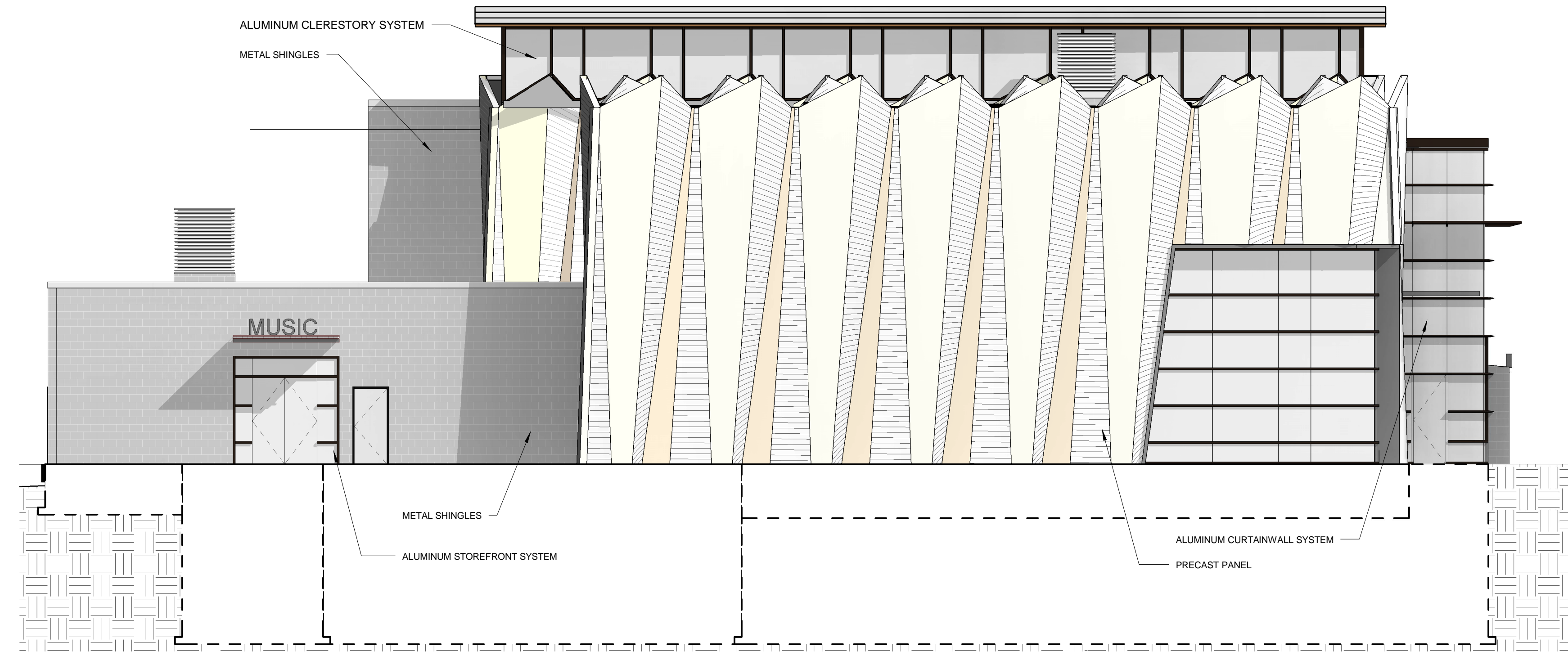
**STRANG**

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

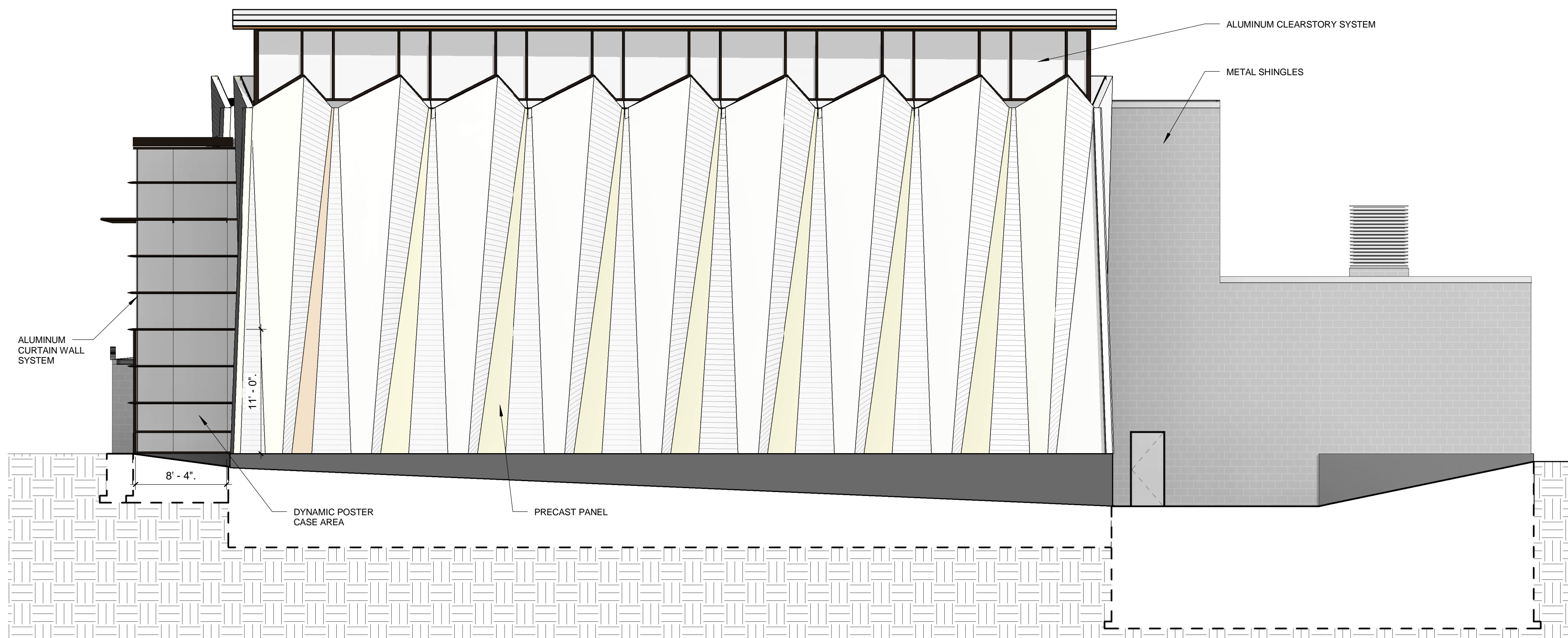
6411 MINERAL POINT ROAD  
MADISON, WI 53705-4395  
T: 608.278.9200

**HOLZMAN MOSS BOTTING**  
ARCHITECTS

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NEW YORK, NEW YORK 10011  
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WWW.HMZBOTHAM.COM



**1 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**2 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"

C

STRANG ARCHITECTURE  
D E S I G N  
704 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706

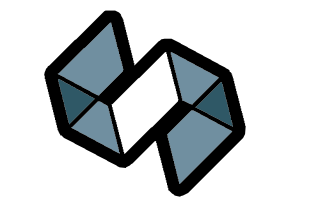
PROJECT TITLE:  
**MUSIC PERFORMANCE BUILDING, PHASE I & II**  
ARCHITECT:  
**UW SYSTEM ADMINISTRATION  
UNIVERSITY OF WISCONSIN - MADISON**  
SHEET NO.:  
**ELEVATIONS (PHASE I)**

R

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DSF	F J
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S	sd
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I	
S	A402.
N	





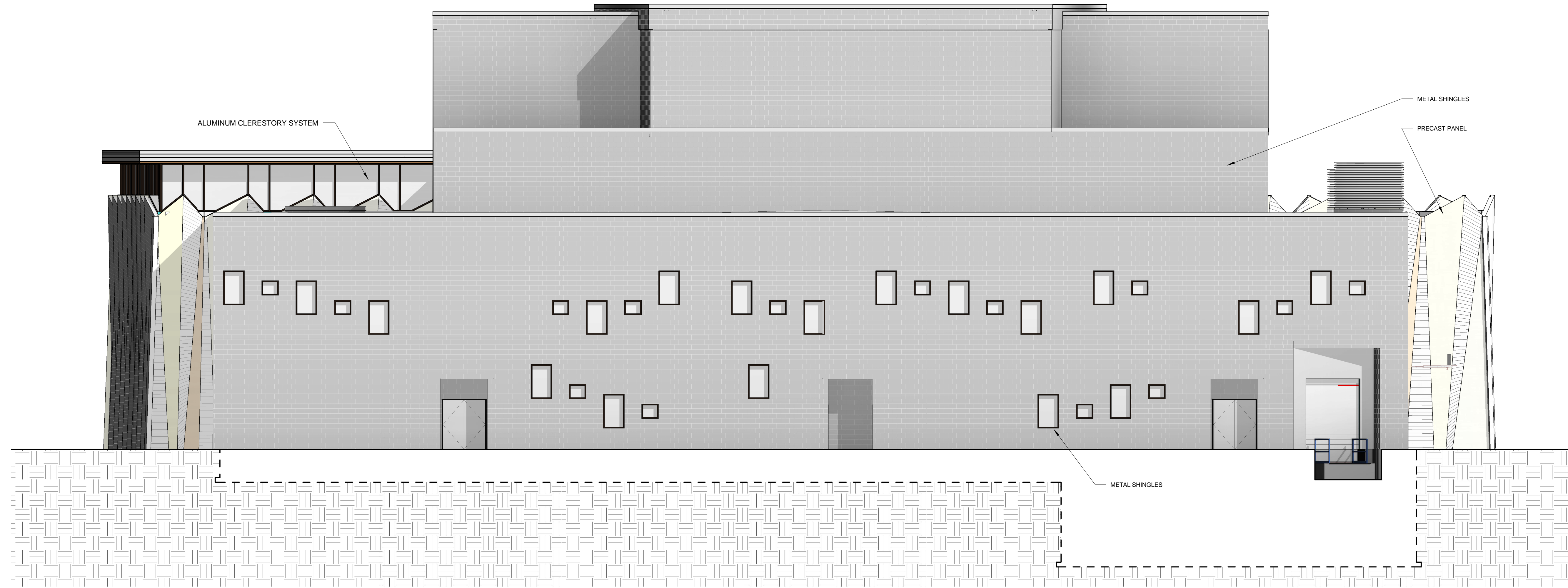
**STRANG**

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

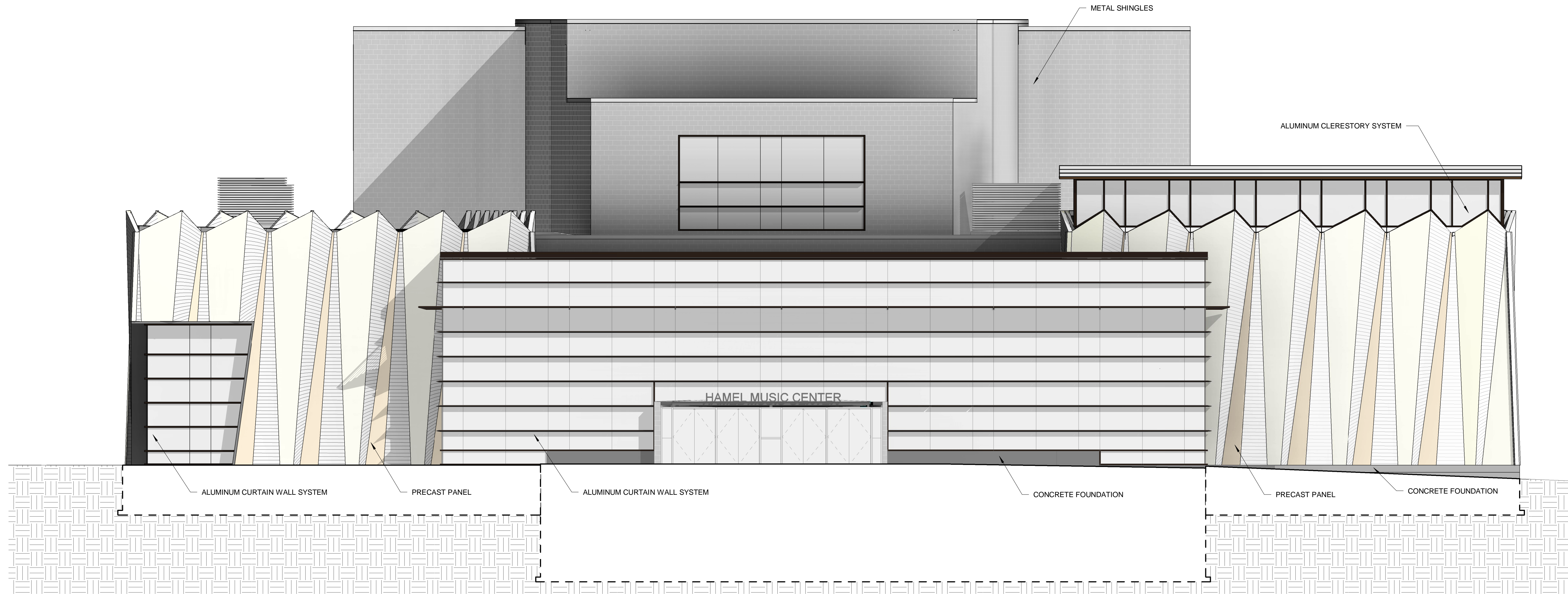
6411 MINERAL POINT ROAD  
MADISON, WI 53705-4395  
T: 608.278.9200

**HOLZMAN MOSS BOTTING**  
ARCHITECTS

214 WEST 49TH STREET, 1206B, 12TH FLOOR  
NEW YORK, NEW YORK 10001  
T: 212.465.0000 F: 212.465.0206  
WWW.HOLZMANMOSSBOTTING.COM



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



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

C

STRANG ARCHITECTURE  
ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN  
6411 MINERAL POINT ROAD  
MADISON, WI 53705-4395  
T: 608.278.9200

PROJECT: MUSIC PERFORMANCE BUILDING, PHASE I & II  
ARCHITECT: STRANG ARCHITECTURE  
UNIVERSITY OF WISCONSIN - MADISON  
SHEET: ELEVATIONS (PHASE II)

REVISIONS

Gr	
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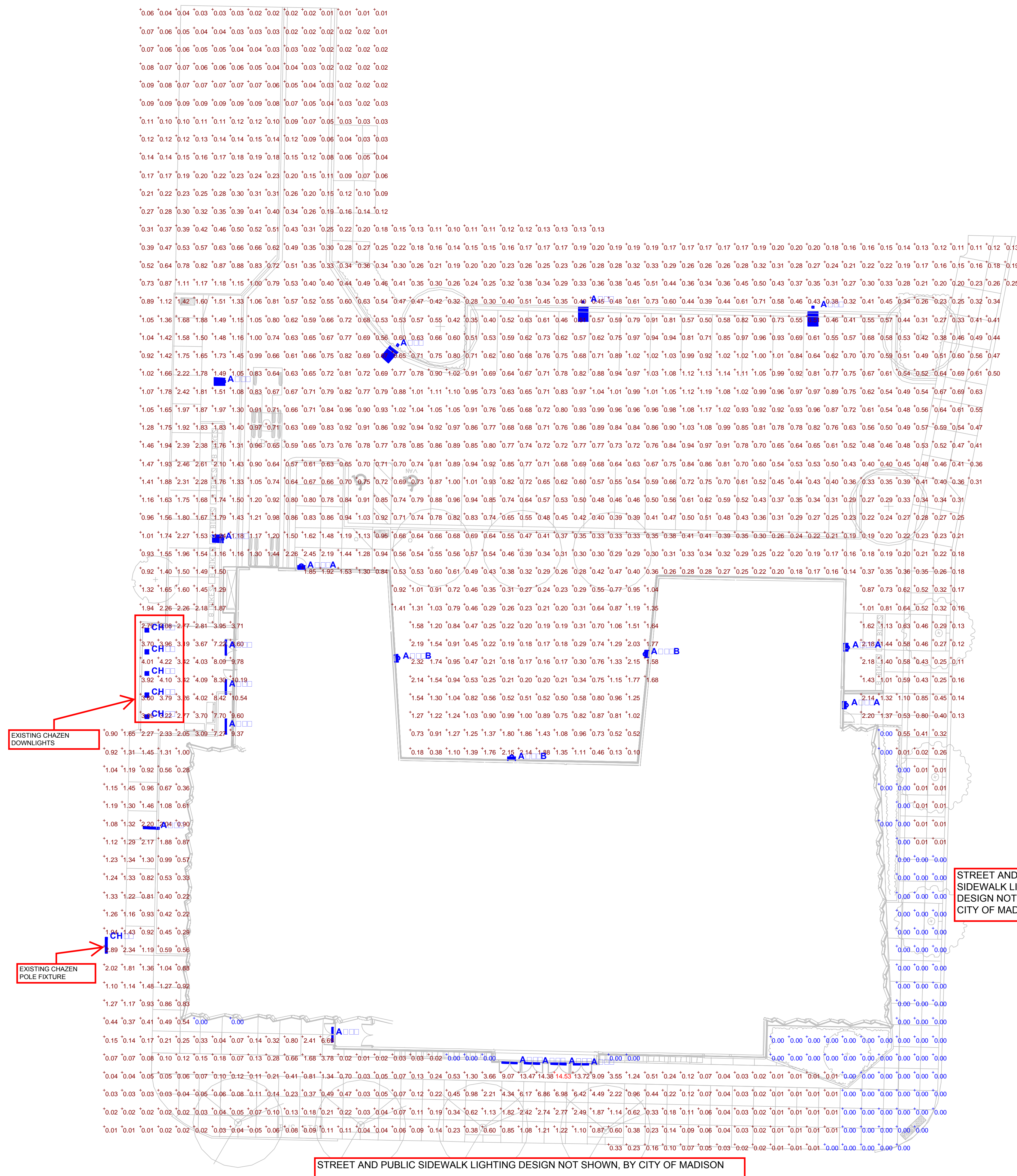








UNIVERSITY OF WISCONSIN MUSIC PERFORMANCE BUILDING  
EXTERIOR LIGHTING PLAN, PHASE 1



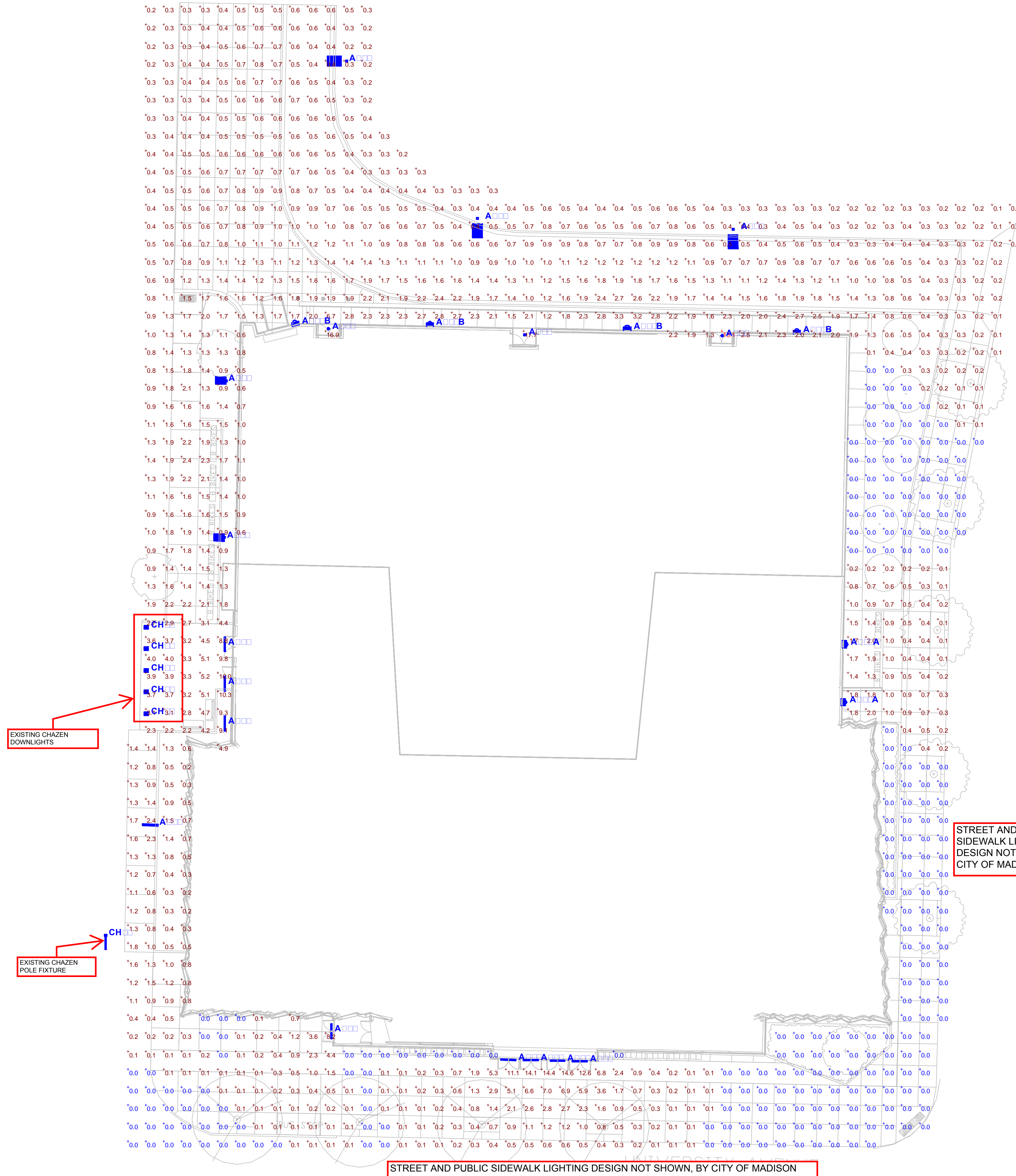
S	L	C	N	r	L	F	LLF	W
AX01	6	AR3P35-80L3K	ARCHETYPE LED PICO-PRISM DIE-CAST ALUMINUM HOUSING AND LENS FRAME ANODIZED DECK WITH PICO-PRISMS.	80	DIODES, 3000K.	ar3p35-80l3k.ies	Absolute 0.70	91
AX02	4	SAR3P35-40L3K	ARCHETYPE LED PICO-PRISM DIE-CAST ALUMINUM HOUSING AND LENS FRAME ANODIZED DECK WITH PICO-PRISMS.	40	DIODES, 3000K.	sar3p35-40l3k.ies	Absolute 0.70	44.5
AX03A	5	111L-4-20LA-NW	111L WITH TYPE 4 OPTIC, NW	(1) LEDGNE 2.2 LIGHT ARRAY OF 16 LEDs (LUCEON R) DRIVEN AT 350mA	111L-4-20LA-NW.ies	Absolute 0.70	20.6	
AX03B	7	111L-3-20LA-NW	111 LED WALL SCONCE	(1) LIGHT ARRAY OF 16 LEDs DRIVEN AT 350mA	111L-3-20LA-NW.ies	Absolute 0.70	18	
AX05	2	10.10200.0	LINEA 4500 LED, 2xLevo-NV3.1	2769 lm, 47 W	LKL05192D2A.IES	2769	0.70	47
CH22	2	EXISTING FIXTURE	LINEA 4500 LED, 2xLevo-NV3.1	2769 lm, 47 W	LKL05192D2A.IES	2769	0.70	47
AX06	3	EVO 35/10 4AR LS MD 120	4" LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_10_4AR_LS_MD_120.ies	Absolute 0.70	18.4	
AX07	16	VAN-LED-400-HLO-30-4-MW-FW	4" LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	VAN-LED-400-HLO-30-4-MW-FW.ies	1150	0.70	43.6
CH21	10	APPROXIMATION OF CHAZEN DOWNLIGHT	4" LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_10_4AR_LS_MD_120.ies	Absolute 0.30	18.4	

D  
Dec 4 2014  
S  
Dr  
PHASE 1





UNIVERSITY OF WISCONSIN, MUSIC PERFORMANCE BUILDING  
EXTERIOR LIGHTING PLAN, PHASE 2



S	L	C	N	r	D	L	F	LLF	W
AX01	6	AR3P35-80L3K	ARCHETYPE LED PICO-PRISM DIE-CAST ALUMINUM HOUSING AND LENS FRAME. ANODIZED DECK WITH PICO-PRISMS.	80	DIODES, 3000K.	ar3p35-80l3k.ies	Absolute	0.70	91
AX02	4	SAR3P35-40L3K	ARCHETYPE LED PICO-PRISM DIE-CAST ALUMINUM HOUSING AND LENS FRAME. ANODIZED DECK WITH PICO-PRISMS.	40	DIODES, 3000K.	sar3p35-40l3k.ies	Absolute	0.70	44.5
AX03A	5	111L-4-20LA-NW	111L WITH TYPE 4 OPTIC, NW	(1) LEDGINE 2.2 LIGHT ARRAY OF 16 LEDs (LUXEON R) DRIVEN AT 350mA	111L-4-20LA-NW.ies	Absolute	0.70	20.6	
AX03B	7	111L-3-20LA-NW	111 LED WALL SCENCE	(1) LIGHT ARRAY OF 16 LEDs DRIVEN AT 350mA	111L-3-20LA-NW.ies	Absolute	0.70	18	
AX05	2	10.10200.0	LINEA 4500 LED, 2xLevo-NV3.1	2769 lm, 47 W	LKL05192D2A.IES	2769	0.70	47	
CH22	2	EXISTING FIXTURE	LINEA 4500 LED, 2xLevo-NV3.1	2769 lm, 47 W	LKL05192D2A.IES	2769	0.70	47	
AX06	3	EVO 35/10 4AR LS MD 120	4' LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_10_4_AR_LS_MD_120.ies	Absolute	0.70	18.4	
AX07	16		VAN-LED-400-HLO-30-4-MW-FW	LED 9.2W Distributed Array Gen 3 LED Module (250mA)	VAN-LED-400-HLO-30-4-MW-FW.ies	1150	0.70	43.6	
CH21	10	APPROXIMATION OF CHAZEN DOWNLIGHT	4' LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION WITH SPECULAR REFLECTOR	LED	EVO_35_10_4_AR_LS_MD_120.ies	Absolute	0.30	18.4	

EXISTING CHAZEN DOWNLIGHTS

EXISTING CHAZEN POLE FIXTURE

STREET AND PUBLIC SIDEWALK LIGHTING DESIGN NOT SHOWN, BY CITY OF MADISON

STREET AND PUBLIC SIDEWALK LIGHTING DESIGN NOT SHOWN, BY CITY OF MADISON

D

Dec 4 2014

S

Dr PHASE 2




**KIM LIGHTING**
**AR**

The Archetype® Large PicoPrism™ LED

8/18/14 • kl\_arpled\_spec.pdf

**Type:**
**Job:**
**Catalog number:**

/	/	/	/
Mfg.	Fixture	Electrical Module	Finish
			Options
			See pages 3-4
		See page 2	

/	/
Optional	Vertical
Slipfitter Mount	
See page 4	

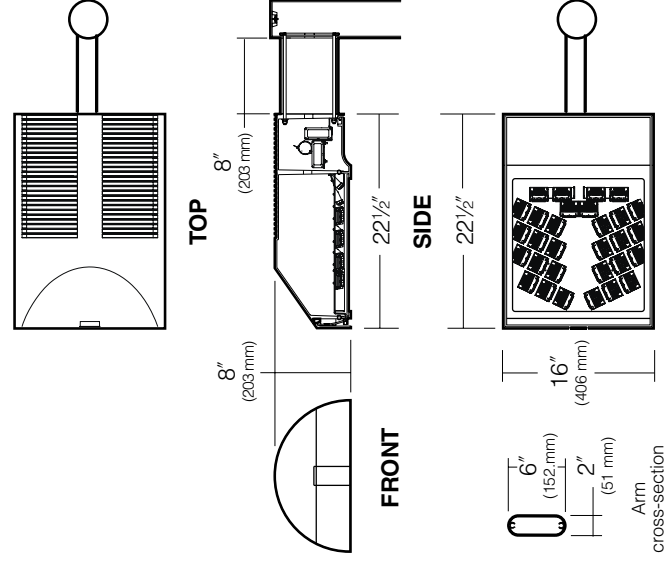
**Approvals:**
**Date:**
**Page: 1 of 6**

Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

## Specifications

### AR-LED

80 Light Emitting Diodes  
 95 System Watts for 350mA  
 188 System Watts for 700mA  
 Maximum Weight is 50 lbs.



IP66 constructed sealed PicoPrism™ optical modules do not require a glass lens and offer improved optical performance. Contact factory if glass lens is required.

**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking by a one-piece extruded and vulcanized silicone gasket.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

**Optical Module:** Precision, IP66 replaceable PicoPrism™ modules are positioned to achieve directional control toward desired task. The entire light engine fastens to the housing as a one-piece module.

**Dimming:** Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiused top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Listed to:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2:#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

**Warranty:** Kim Lighting warrants The Archetype LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoPrisms™ and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® device), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product. Occupancy sensors, Surge Protector, dimmers and relay wiring components are covered by the manufacturer's warranty.

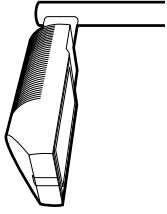
**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury/personal injury.

**US Patent Number D674,965 S.**
















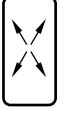




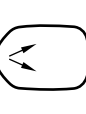

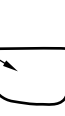

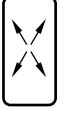




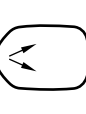

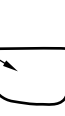

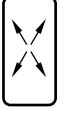




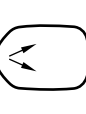

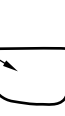


Type:

Job:

Page: 2 of 6



## Standard Features

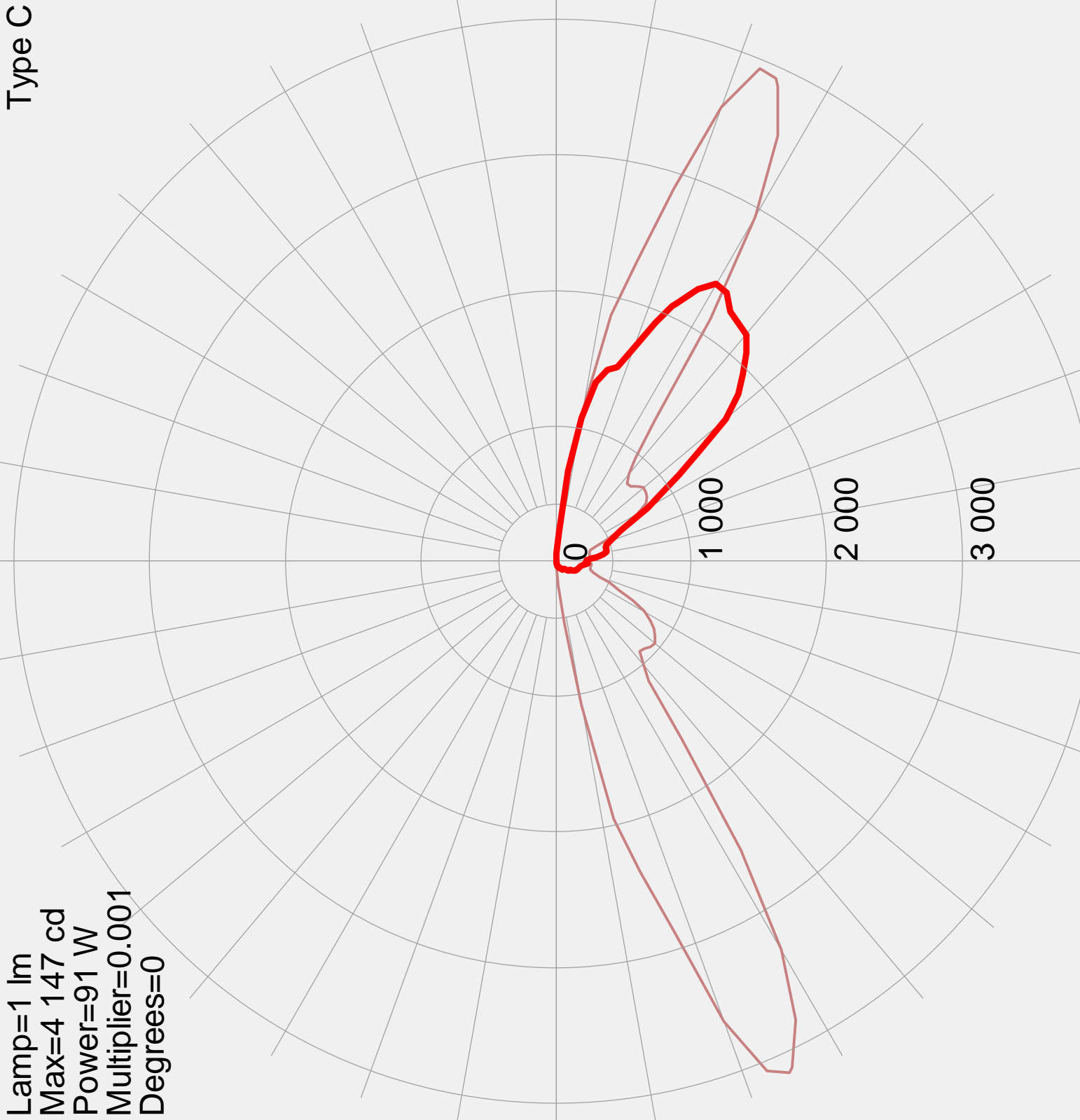
<b>Mounting</b> 3Y configuration is available for round poles only.	Plan View: <table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td>2.4</td> <td></td> <td>2.0</td> <td></td> <td>3.2</td> <td></td> <td>3.9</td> <td></td> <td>Wall Mount</td> </tr> <tr> <td><input type="checkbox"/> 1A</td> <td></td> <td><input type="checkbox"/> 2B</td> <td></td> <td><input type="checkbox"/> 3T</td> <td></td> <td><input type="checkbox"/> 3Y</td> <td></td> <td><input type="checkbox"/> 4C</td> <td>n/a</td> </tr> <tr> <td><input type="checkbox"/> 1W</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> 1W</td> <td></td> </tr> </table> EPA: 1.2 Cat. No.:		2.4		2.0		3.2		3.9		Wall Mount	<input type="checkbox"/> 1A		<input type="checkbox"/> 2B		<input type="checkbox"/> 3T		<input type="checkbox"/> 3Y		<input type="checkbox"/> 4C	n/a	<input type="checkbox"/> 1W								<input type="checkbox"/> 1W	
	2.4		2.0		3.2		3.9		Wall Mount																						
<input type="checkbox"/> 1A		<input type="checkbox"/> 2B		<input type="checkbox"/> 3T		<input type="checkbox"/> 3Y		<input type="checkbox"/> 4C	n/a																						
<input type="checkbox"/> 1W								<input type="checkbox"/> 1W																							
<b>Fixture</b> Cat. No. designates fixture and optic	<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">AR</td> <td style="width: 25%; text-align: center;">x</td> <td style="width: 25%; text-align: center;">P</td> <td style="width: 25%; text-align: center;">xx</td> </tr> <tr> <td><b>Housing Size:</b> AR</td> <td><b>Distribution:</b></td> <td><b>Optic:</b> P = PicoPrism™</td> <td><b>Current:</b> 35 = 350 mA 70 = 700 mA</td> </tr> <tr> <td></td> <td> <input type="checkbox"/> 1 = Type I  <input type="checkbox"/> 2 = Type II  <input checked="" type="checkbox"/> 3 = Type III  <input type="checkbox"/> 4 = Type IV  <input type="checkbox"/> 5 = Type V  <input type="checkbox"/> L = Type L Left  <input type="checkbox"/> R = Type R Right                 </td> <td></td> <td></td> </tr> </table> Light Distribution: <table border="0" style="width: 100%; text-align: center;"> <tr> <td></td> <td>Type II</td> <td></td> <td>Type IV Forward Throw</td> <td></td> <td>Type L Left</td> </tr> <tr> <td></td> <td>Type II</td> <td></td> <td>Type IV Forward Throw</td> <td></td> <td>Type R Right</td> </tr> <tr> <td></td> <td>Type II</td> <td></td> <td>Type IV Forward Throw</td> <td></td> <td>Type L Left</td> </tr> </table>	AR	x	P	xx	<b>Housing Size:</b> AR	<b>Distribution:</b>	<b>Optic:</b> P = PicoPrism™	<b>Current:</b> 35 = 350 mA 70 = 700 mA		<input type="checkbox"/> 1 = Type I <input type="checkbox"/> 2 = Type II <input checked="" type="checkbox"/> 3 = Type III <input type="checkbox"/> 4 = Type IV <input type="checkbox"/> 5 = Type V <input type="checkbox"/> L = Type L Left <input type="checkbox"/> R = Type R Right				Type II		Type IV Forward Throw		Type L Left		Type II		Type IV Forward Throw		Type R Right		Type II		Type IV Forward Throw		Type L Left
AR	x	P	xx																												
<b>Housing Size:</b> AR	<b>Distribution:</b>	<b>Optic:</b> P = PicoPrism™	<b>Current:</b> 35 = 350 mA 70 = 700 mA																												
	<input type="checkbox"/> 1 = Type I <input type="checkbox"/> 2 = Type II <input checked="" type="checkbox"/> 3 = Type III <input type="checkbox"/> 4 = Type IV <input type="checkbox"/> 5 = Type V <input type="checkbox"/> L = Type L Left <input type="checkbox"/> R = Type R Right																														
	Type II		Type IV Forward Throw		Type L Left																										
	Type II		Type IV Forward Throw		Type R Right																										
	Type II		Type IV Forward Throw		Type L Left																										
<b>Electrical Module</b>	Cat. Nos. for Electrical Modules available: <table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">80L</td> <td style="width: 25%; text-align: center;">xK</td> <td style="width: 25%; text-align: center;">xxx</td> <td style="width: 25%;"></td> </tr> <tr> <td><b>Source:</b> 80L = 80 LED's</td> <td><b>Voltage:</b></td> <td></td> <td></td> </tr> <tr> <td></td> <td> <input type="checkbox"/> 120 = 120V<sup>1</sup>  <input type="checkbox"/> 208 = 208V<sup>1</sup>  <input type="checkbox"/> 240 = 240V<sup>1</sup>  <input type="checkbox"/> 277 = 277V<sup>1</sup>  <input type="checkbox"/> 347 = 347V  <input type="checkbox"/> 480 = 480V                 </td> <td></td> <td></td> </tr> <tr> <td><b>Color Temperature:</b></td> <td> <input type="checkbox"/> 2K = 580nm - Amber  <input checked="" type="checkbox"/> 3K = 3000K  <input type="checkbox"/> 4K = 4200K  <input type="checkbox"/> 5K = 5100K                 </td> <td></td> <td></td> </tr> </table> 1120V through 277V is a variable driver.	80L	xK	xxx		<b>Source:</b> 80L = 80 LED's	<b>Voltage:</b>				<input type="checkbox"/> 120 = 120V <sup>1</sup> <input type="checkbox"/> 208 = 208V <sup>1</sup> <input type="checkbox"/> 240 = 240V <sup>1</sup> <input type="checkbox"/> 277 = 277V <sup>1</sup> <input type="checkbox"/> 347 = 347V <input type="checkbox"/> 480 = 480V			<b>Color Temperature:</b>	<input type="checkbox"/> 2K = 580nm - Amber <input checked="" type="checkbox"/> 3K = 3000K <input type="checkbox"/> 4K = 4200K <input type="checkbox"/> 5K = 5100K																
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<b>Color Temperature:</b>	<input type="checkbox"/> 2K = 580nm - Amber <input checked="" type="checkbox"/> 3K = 3000K <input type="checkbox"/> 4K = 4200K <input type="checkbox"/> 5K = 5100K																														
<b>Finish</b> TGIC powder coat	Color: Black <input type="checkbox"/> BL Dark Bronze <input type="checkbox"/> DB Light Gray <input type="checkbox"/> LG Stealth Gray <input type="checkbox"/> SG Platinum Silver <input type="checkbox"/> PS White <input type="checkbox"/> WH Custom Color <sup>2</sup> <input type="checkbox"/> CC Cat. No.:																														

<sup>2</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: \_\_\_\_\_



Lamp=1 lm  
Max=4 147 cd  
Power=91 W  
Multiplier=0.001  
Degrees=0

Type C



Box 1.333333x1.916667x0.666667 feet 4 000

Manufacturer: KIM LIGHTING  
Luminaire catalog: AR3P35-80L3K  
Luminaire: ARCHETYPE LED PICO-PRISM  
Lamp: 80 DIODES. 3000K.

**KIM LIGHTING****Type:****Job:****Catalog number:**

/	/	/	/	/
Mfg.	Fixture	Electrical Module	Finish	Options
				See pages 3-4
				See page 2
				See page 4

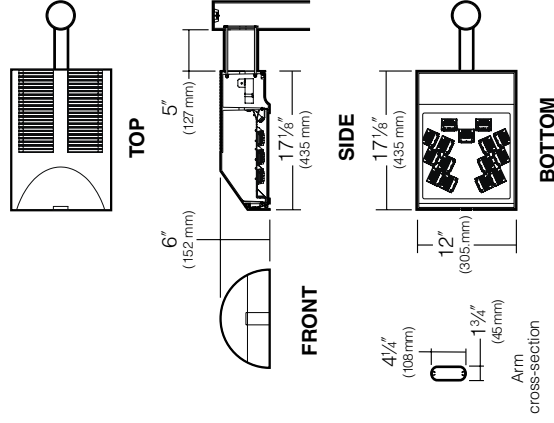
Optional  
Vertical  
Slipfitter Mount  
See page 4

**Approvals:****Date:****Page: 1 of 6**

Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

**Specifications****SAR LED**

40 Light Emitting Diodes  
46 total System Watts for 350mA  
93 total System Watts for 700mA  
Maximum Weight is 30 lbs.



**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking by a one-piece extruded and vulcanized silicone gasket.

**Electronic Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the frame only. Driver is rated for -40°F starting.

**Optical Module:** Precision, IP66 replaceable PicoPrism™ modules are positioned to achieve directional control toward desired task. The entire light engine fastens to the housing as a one-piece module.

**Dimming:** Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFV. Note: Not compatible with current sourcing dimmers.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiused top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Listed to:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2.#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

**Warranty:** Kim Lighting warrants The Archetype LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoPrisms™ and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® device), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product. Occupancy sensors, Surge Protector, dimmers and relay wiring components are covered by the manufacturer's warranty.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

**US Patent Number D674,965 S.**

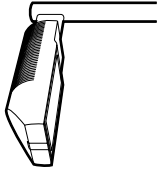


























































Type:

Job:

Page: 2 of 6



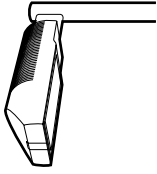
## Standard Features

<p><b>Mounting</b>                  3SY configuration is available for round poles only.</p> <p><b>Fixture</b>                  Cat. No. designates fixture and optic</p>	<p>Plan View:</p> <table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>EPA:            0.7    1.4    1.2    1.9    1.9    2.5</p> <p>Cat. No.:    <input type="checkbox"/> 1SA   <input type="checkbox"/> 2SB   <input type="checkbox"/> 2SL   <input type="checkbox"/> 3ST   <input type="checkbox"/> 3SY   <input type="checkbox"/> 4SC   <input type="checkbox"/> 1W</p> <p>SAR            X            P            XX</p> <p><b>Housing Size:</b>  <input type="checkbox"/> SAR</p> <p><b>Distribution:</b>  <input type="checkbox"/> 1 = Type I  <input type="checkbox"/> 2 = Type II  <input checked="" type="checkbox"/> 3 = Type III  <input type="checkbox"/> 4 = Type IV  <input type="checkbox"/> 5 = Type V  <input type="checkbox"/> L = Type L Left  <input type="checkbox"/> R = Type R Right</p> <p><b>Optic:</b>          P = PicoPrism™</p> <p><b>Current:</b>          35 = 350 mA          70 = 700 mA</p> <p>Light Distribution:  <input type="checkbox"/> Type I    <input type="checkbox"/> Type II    <input type="checkbox"/> Type III    <input type="checkbox"/> Type IV Forward Throw    <input type="checkbox"/> Type V Square    <input type="checkbox"/> Type R Right    <input type="checkbox"/> Type L Left</p>																		
																			
<p><b>Electrical Module</b></p>	<p>Cat. Nos. for Electrical Modules available:</p> <table border="0"> <tr> <td>40L</td> <td>xK</td> <td>xxx</td> </tr> </table> <p><b>Source:</b>          40L = 40 LED's</p> <p><b>Color Temperature:</b>  <input type="checkbox"/> 2K = 580nm Amber  <input checked="" type="checkbox"/> 3K = 3000K  <input type="checkbox"/> 4K = 4200K  <input type="checkbox"/> 5K = 5100K</p> <p><b>Voltage:</b>  <input type="checkbox"/> 120 = 120V<sup>1</sup>  <input type="checkbox"/> 208 = 208V<sup>1</sup>  <input type="checkbox"/> 240 = 240V<sup>1</sup>  <input type="checkbox"/> 277 = 277V<sup>1</sup>  <input type="checkbox"/> 347 = 347V  <input type="checkbox"/> 480 = 480V</p> <p><sup>1</sup>120V through 277V is a variable driver.</p>	40L	xK	xxx															
40L	xK	xxx																	
<p><b>Finish</b>                  TGIC powdercoat</p>	<p>Color:    Black    Dark Bronze    Light Gray    Stealth Gray    Platinum Silver    White    Custom Color<sup>2</sup></p> <p>Cat. No.:   <input type="checkbox"/> BL   <input type="checkbox"/> DB   <input type="checkbox"/> LG   <input type="checkbox"/> SG   <input type="checkbox"/> PS   <input type="checkbox"/> WH   <input type="checkbox"/> CC</p> <p><sup>2</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																		

Type:

Job:

Page: 3 of 6



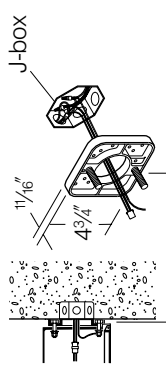
## Optional Features

### Wall Mounting

 Cat. No.  1W  
 No Option

Select from Mounting on page 2.

Fixture mounts to 3" or 4" junction boxes by a cast aluminum adapter plate with fixture mounting bolts.

**NOTE:** Junction box in wall must provide adequate fixture support. See NEC sections 370-13, 17 and 410-114, 16. Quick-disconnect plug and wiring are provided to allow field connections prior to fixture mounting.


Wall mount using adapter plate 3" or 4" J-box in wall (by others)

### Fusing

 Cat. No. (see right)  
 No Option

 Line Volts: 120V/208V 240V 277V 347V 480V  
 SF  DF  SF  SF

Cat. No.:



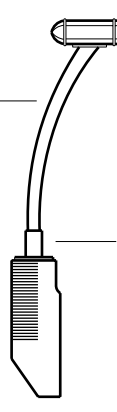
Single Fuse

### Horizontal Slipfitter Mount

 Cat. No.  HSF  
 No Option

Replaces standard mounting arm with a slipfitter which allows fixture to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2 3/8" O.D.). Cast aluminum slipfitter with set screw for an up or down 5° adjustment lock. Bolts to housing from inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture.

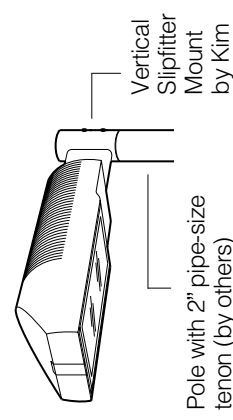
Davit-arm with 2" pipe-size fixture mount (by others)



### Vertical Slipfitter Mounts

 Cat. No. includes Mounting  
 Cat. No. (See right)  
 No Option

Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length). All mounting configurations can be used (1SA, 2SB, 2SL, 3ST, 3SY, 4SC). 4" square or round die-cast aluminum with flush cap, secured by four 3/8" stainless steel set point allen screws, finished to match fixture and arm.

**NOTE:** 3SY only available on round slipfitter.

 Cat. No.  
 VSF-1SA  
 VSF-2SB  
 VSF-2SL  
 VSF-3ST  
 VSF-3SY  
 VSF-4SC


Round

 Cat. No.  
 SVSF-1SA  
 SVSF-2SB  
 SVSF-2SL  
 SVSF-3ST  
 SVSF-4SC


Square

 Mounting Configuration  
**1SA** - single arm mount  
**2SB** - 2 at 180°  
**2SL** - 2 at 90°  
**3ST** - 3 at 90°  
**3SY** - 3 at 120°  
**4SC** - 4 at 90°

### Neighbor Friendly Optic:

 Cat. No.  NFO  
 No Option

Integrated Neighbor Friendly Optic on each PicoPrism™ module to completely control unwanted backlight. Most effective with Type III and IV distributions.



TYPE III-NFO

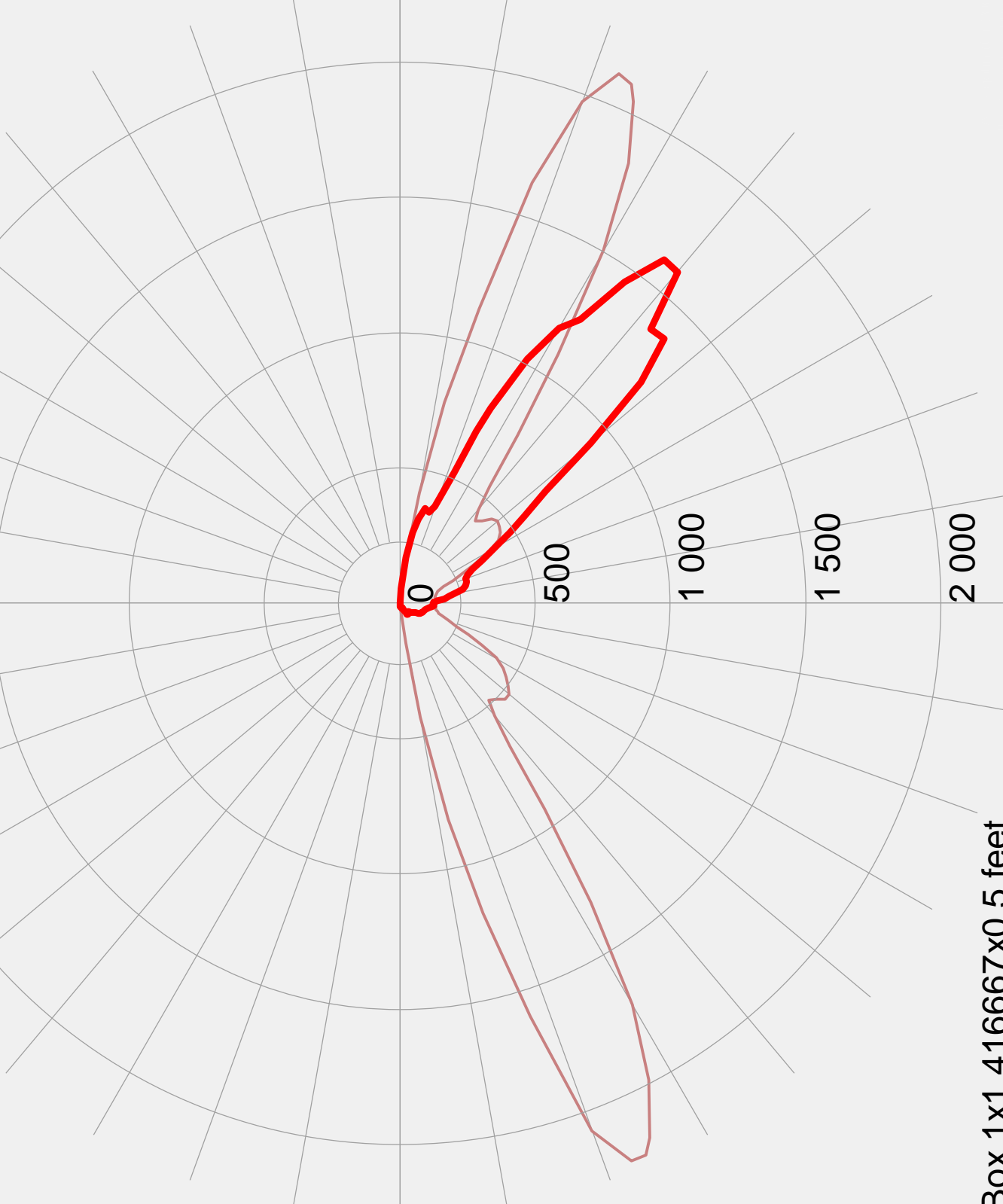


TYPE IV-NFO



Lamp=1 lm  
Max=2 230 cd  
Power=44 W  
Multiplier=0.001  
Degrees=0

Type C



Box 1x1.416667x0.5 feet

Manufacturer: KIM LIGHTING  
Luminaire catalog: SAR3P35-40L3K  
Luminaire: ARCHETYPE LED PICO-PRISM  
Lamp: 40 DIODES. 3000K.

Job:  
Type:  
Notes:

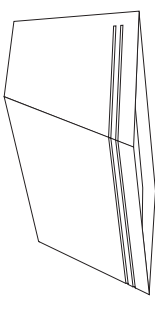
AX03A

# 110 Line LED

## 111 Mini Sconce LED

Page 1 of 3

Philips Gardco 111 LED mini sconce luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available with three (3) different distribution patterns, providing full cutoff performance (in the normal downlight position) and featuring LED arrays. Luminaires provide performance excellence and advanced Philips Gardco LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50 % or more compared to HID systems. 111 LED luminaires are also available with 0-10V Dimming.



PREFIX	DISTRIBUTION	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

### PREFIX

**111L** Trapezoidal Wedge LED - Constant Wattage / Full Light Output  
**111L-DIM** Trapezoidal Wedge LED - 0 - 10V Dimming (Control system by others.)

### DISTRIBUTION

2 Type II Wide Throw Optic, featuring Maximized Lateral Throw  
3 Type III Preferred Wide Throw Optic, featuring Improved Forward Throw  
4 Type IV Maximized Forward Throw Optic

See page 3 for more detailed luminaire configuration information.

### LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts <sup>1</sup>	LED Current (mA)	LED Selection	Luminaire Initial/Absolute Lumens <sup>2</sup>			Basis of Lumen Data <i>Photometric tests performed in compliance with IESNA LM-79.</i>
				TYPE 2	TYPE 3	TYPE 4	
20LA	18	350	NW	1,683	1,791	1,701	
30LA	28	530	NW	2,432	2,613	2,467	
40LA	38	700	NW	3,122	3,354	3,118	

1. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

2. Tests are in process for luminaires with the DL option. Contact [gardco.applications@philips.com](mailto:gardco.applications@philips.com) if any approximate estimates are required for design purposes.

### LED SELECTION

CW Cool White - 5700°K - 75 CRI  
NW Neutral White - 4000°K - 70 CRI  
WW Warm White - 3000°K - 70 CRI

### VOLTAGE

UNIV 120V through 277V, 50hz or 60hz  
120  
208  
240  
277





# 110 Line LED

## 111 Mini Sconce LED

Page 2 of 3

### FINISH

**BRP** Bronze Paint

**BLP** Black Paint

**WP** White Paint

**NP** Natural Aluminum Paint

**BGP** Beige Paint

**OC** Optional Color Paint

Specify *Optional Color* or  
RAL ex: OC-LCP or OC-RAL7024.

**SC** Special Paint

Specify. *Must supply color chip.*

### OPTIONS

**F<sup>3</sup>** Fusing

**PCB<sup>3</sup>** Button Type Photocontrol

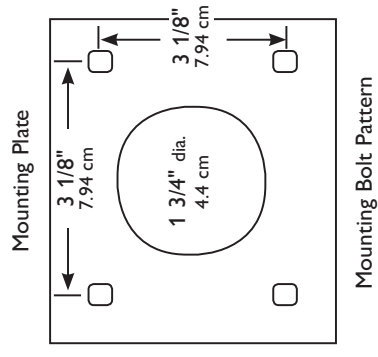
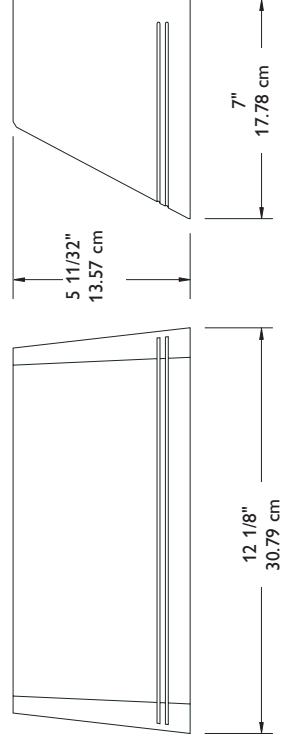
**DL** Diffusing Lens (*reduces performance significantly*)

**WS<sup>4</sup>** Wall Mounted Box for Surface Conduit

3. Provide *specific input voltage.*

4. Rear entry *permitted.*

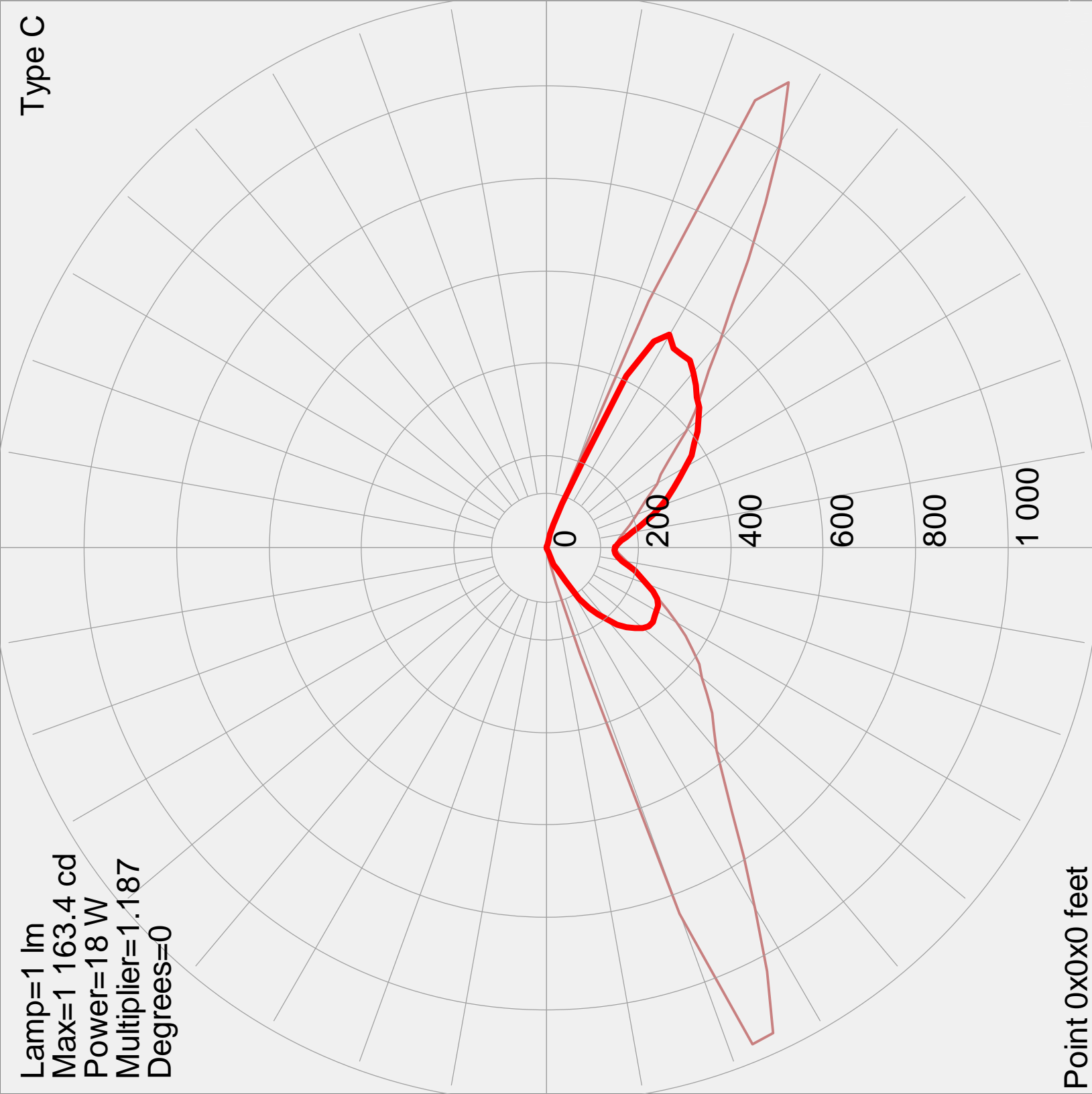
### DIMENSIONS



Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

Lamp=1 lm  
Max=1 163.4 cd  
Power=18 W  
Multiplier=1.187  
Degrees=0

Type C



Point 0x0x0 feet

Manufacturer: PHILIPS GARDCO

Luminaire catalog: 111L-3-20LA-NW

Luminaire: 111 LED WALL SCONCE

Lamp: (1) LIGHT ARRAY OF 16 LEDs DRIVEN AT 350mA



Job:

Type:

AX03B

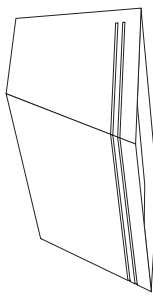
Notes:

# 110 Line LED

Page 1 of 3

## 111 Mini Sconce LED

Philips Gardco 111 LED mini sconce luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available with three (3) different distribution patterns, providing full cutoff performance (in the normal downlight position) and featuring LED arrays. Luminaires provide performance excellence and advanced Philips Gardco LED thermal management technology. High performance Class 1 LED systems offer potential energy savings of 50 % or more compared to HID systems. 111 LED luminaires are also available with 0-10V Dimming.



PREFIX	DISTRIBUTION	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

### PREFIX

**111L** Trapezoidal Wedge LED - Constant Wattage / Full Light Output

**111L-DIM** Trapezoidal Wedge LED - 0 - 10V Dimming (Control system by others.)

See page 3 for more detailed luminaire configuration information.

### DISTRIBUTION

**2** Type II Wide Throw Optic, featuring Maximized Lateral Throw

**3** Type III Preferred Wide Throw Optic, featuring Improved Forward Throw

**4** Type IV Maximized Forward Throw Optic

### LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts <sup>1</sup>	LED Current (mA)	LED Selection	Luminaire Initial/Absolute Lumens <sup>2</sup>			Basis of Lumen Data <i>Photometric tests performed in compliance with IESNA LM-79.</i>
				TYPE 2	TYPE 3	TYPE 4	
20LA	18	350	NW	1,683	1,791	1,701	
30LA	28	530	NW	2,432	2,613	2,467	
40LA	38	700	NW	3,122	3,354	3,118	

1. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

2. Tests are in process for luminaires with the DL option. Contact [gardco.applications@philips.com](mailto:gardco.applications@philips.com) if any approximate estimates are required for design purposes.

### LED SELECTION

**CW** Cool White - 5700°K - 75 CRI  
**NW** Neutral White - 4000°K - 70 CRI  
**WW** Warm White - 3000°K - 70 CRI

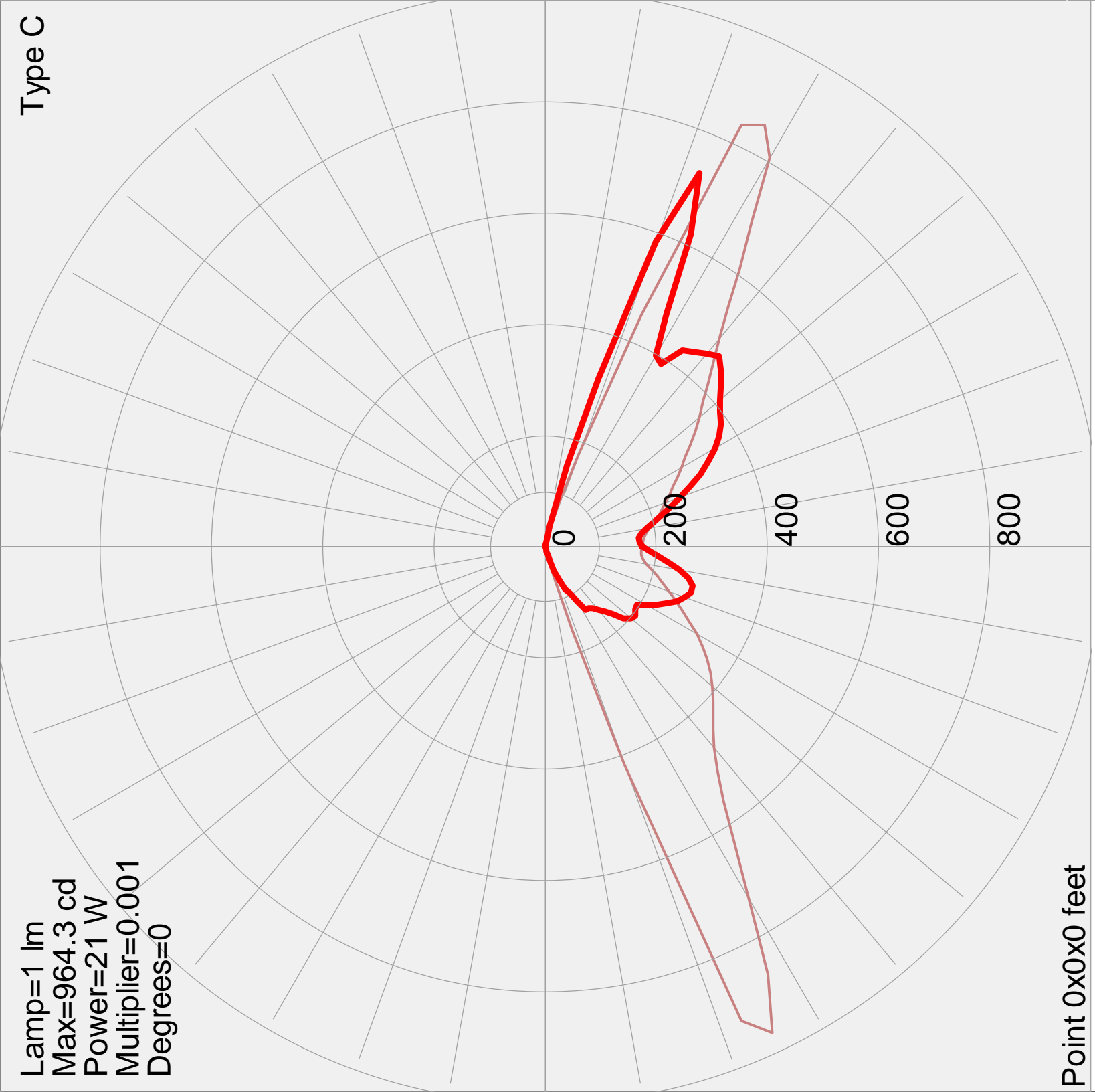
### VOLTAGE

**UNIV** 120V through 277V, 50hz or 60hz  
**120**  
**208**  
**240**  
**277**



Lamp=1 lm  
Max=964.3 cd  
Power=21 W  
Multiplier=0.001  
Degrees=0

Type C



Point 0x0x0 feet

Manufacturer: PHILIPS GARDCO

Luminaire catalog: 111L-4-20LA-NW

Luminaire: 111L WITH TYPE 4 OPTIC, NW

Lamp: (1) LEDGINE 2.2 LIGHT ARRAY OF 16 LEDs (LUXEON R) DRIVEN A



# 110 Line LED

## 111 Mini Sconce LED

Page 2 of 3

### FINISH

**BRP** Bronze Paint

**BLP** Black Paint

**WP** White Paint

**NP** Natural Aluminum Paint

**BGP** Beige Paint

**OC** Optional Color Paint

Specify *Optional Color* or  
RAL ex: OC-LGP or OC-RAL7024.

**SC** Special Paint

Specify. *Must supply color chip.*

### OPTIONS

**F<sup>3</sup>** Fusing

**PCB<sup>3</sup>** Button Type Photocontrol

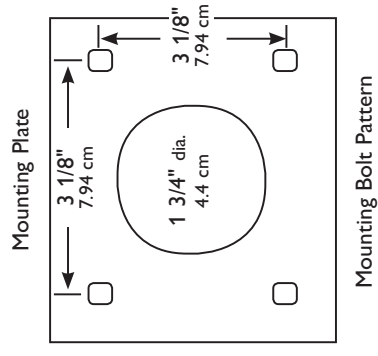
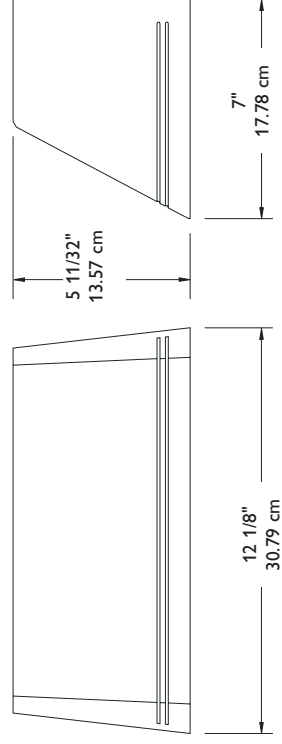
**DL** Diffusing Lens (*reduces performance significantly*)

**WS<sup>4</sup>** Wall Mounted Box for Surface Conduit

3. Provide *specific input voltage.*

4. Rear entry *permitted.*

### DIMENSIONS



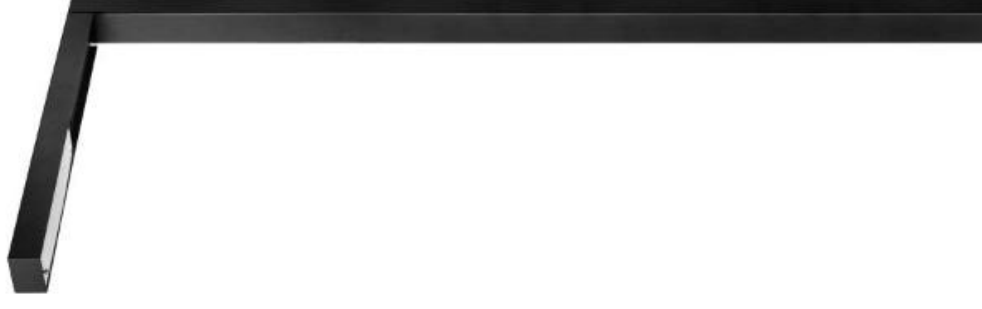
Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

## LINEA 450 LED Specification

The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations.

The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. Units for bi-level mounting are available, where the street-side luminaire is mounted high and a second fixture is mounted on the sidewalk side at a lower height for pedestrian illumination. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet

Locations



Model	LED Module	Temperature	Distribution	Volt	Mounting	Pole	Finish	Option
2LV - 2 LEVO				UNV - 120-277V	A - Single Mount	15SR - 15' Straight Rectangular	SG - Silver AlumGrey	DIM - 0-10vDC Dimming
LN450 Modules		WW - 3000K	ME - Type III					
		NW - 4000K	S - Type II		B - Twin Mount	X - Other (specify)	S - Steel Grey	N - None
		CW - 5600K					GG - Graphite Grey	
							CC - Custom Color	
<b>Ordering Information</b>								
LN450 2LV <span style="float: right;">UNV</span>								

Specifications are subject to change without notification

HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA  
[http://www.hessamerica.com/Products/Lighting/Pole\\_Mounted\\_Luminaire/LINEA/](http://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/)



## LINEA 450 LED Specification

### HOUSING

Rectangular luminaire housing with integral fitter is extruded aluminum with no visible welds. Frameless tempered glass lens with decorative masking is hinged and secured in place with a single stainless steel quarter-turn fastener for tool-less access to the optical compartment. Lens seals to the housing with one-piece silicone gasketing when closed. Housing is fitted with stainless steel weather-tight strain relief bushing for the power cable exiting the rear of the housing. Luminaire mounts to tenon on pole and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations. All hardware is stainless steel.

### OPTICS

Optics include 2 individual LED modules. Each module consists of a field replaceable aluminum core PCB with fourteen high-power LEDs and a single piece prismatic lens molded from optical quality acrylic. The prismatic lens redirects light output from the individual LEDs and is available in two distributions as a Type II (S optics) or Type III distribution (ME optics). Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones.

### BUG RATING

Type II: B1-Uo-G1

Type III: B1-Uo-G1

### ELECTRICAL

Electronic LED driver supplies 500mA drive current to LED modules with input voltage range from 120V to 277V at 50/60Hz. Power consumption is 46 watts.

### LED DELIVERED LUMEN OUTPUT

3000K - Type II = 2777 lumens / Type III = 2769 lumens

4000K - Type II = 3167 lumens / Type III = 3157 lumens

5600K - Type II = 3374 lumens / Type III = 3364 lumens

**NOTE :** Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

### POLE

#### Aluminum:

Straight rectangular pole is 6.3" x 3.9" nominal and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.236". Sides of the shaft are flat with 1/8" radiussed corners. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

#### Steel:

Straight rectangular pole is 6.3" x 3.5" nominal and manufactured from cold drawn over mandrel, electric weld, mechanical steel tubing with nominal wall thickness of 0.197". Sides of shaft are flat with 1/2" radiussed corners. Pole shall show no seam along the shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

### FINISH

Standard finish is finely textured matte silver grey metallic or graphite grey. Special colors available on request.

### WARRANTY

Specifications are subject to change without notification

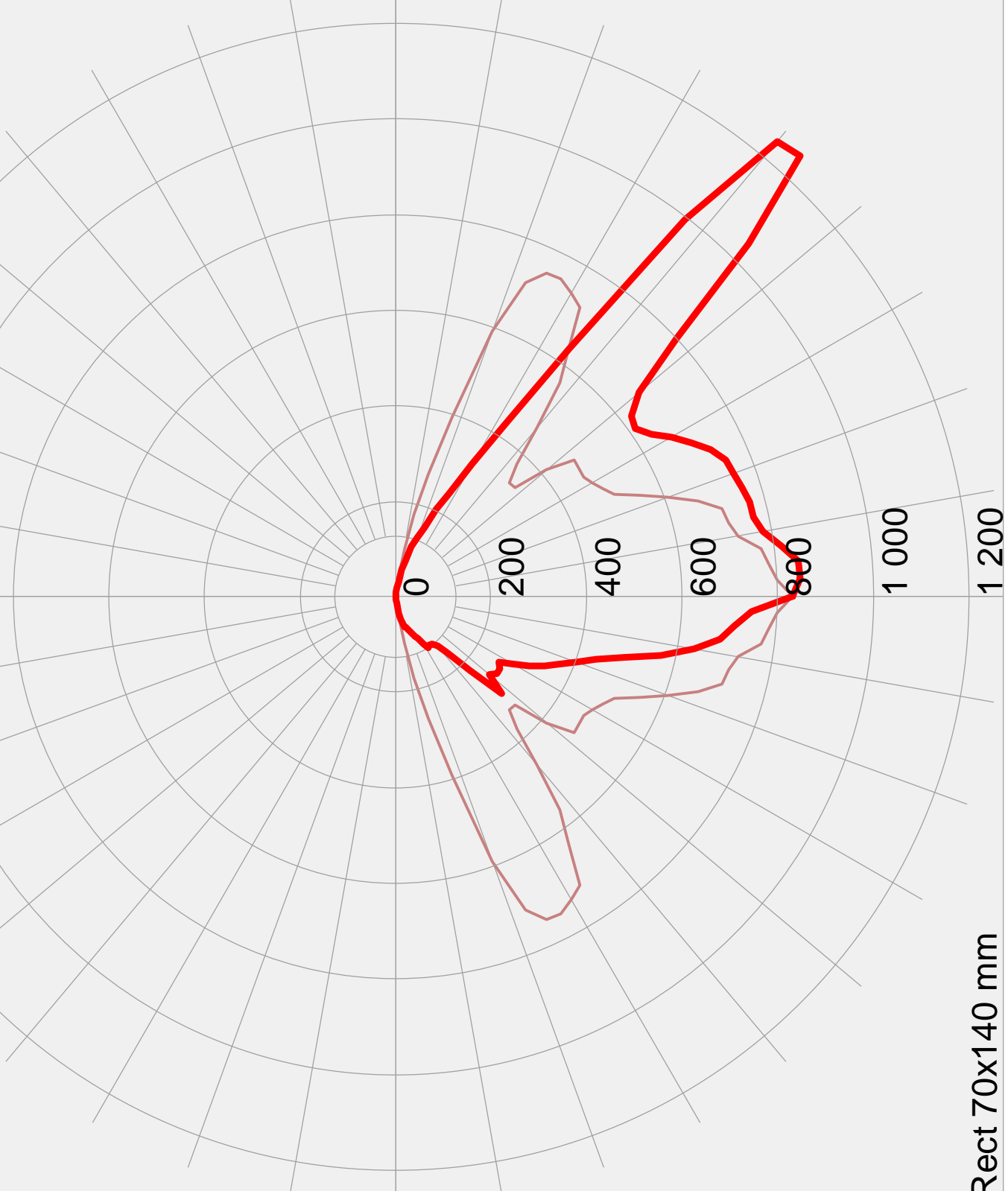
HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA  
[http://www.hessamerica.com/Products/Lighting/Pole\\_Mounted\\_Luminaire/LINEA/](http://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/)





Lamp=2 769 lm  
Max=1 249.4 cd  
Power=47 W  
Multiplier=2.769  
Degrees=0

Type C



Rect 70x140 mm

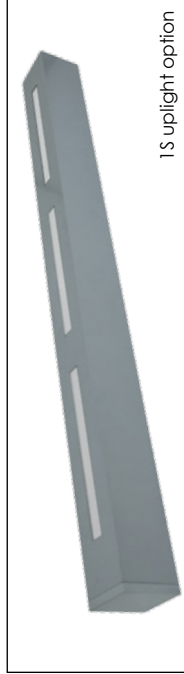
Manufacturer: HESS AG Form + Light  
Luminaire catalog: 10.10200.0  
Luminaire: LINEA 4500 LED, 2xLevo-M V3.1  
Lamp catalog: LED (HP) 2xLevo 3000K Q5 500mA 23W 5192D  
Lamp: 2769 lm, 47 W



# VANESSA LED

Wet Location Luminaire  
Distributed Array LED

Ceiling Mount | Wall Mount | CSS



1S upright option

VANESSA combines high-end architectural styling with precision engineering to create a strong, elegant wet-location luminaire designed to complement wet exterior or interior installations.

Weather-sealing prevents water and moisture from entering the lens, power entry points and end-caps. Constructed of heavy gauge extruded aluminum, precision machined smooth end-caps and extruded acrylic lenses, VANESSA is built to last while withstanding elements associated with wet-location applications.

VANESSA is available as LED and single or double T5 or T8, or single T5HO linear fluorescent lamps. 2', 3', 4', 6' and 8' nominal lengths are standard. Optional slot upright, custom lengths and continuous runs are available.



## FIXTURE SPECIFICATIONS

### Construction

Heavy gauge square extruded aluminum housing. Precision-machined aluminum end-caps. Extruded acrylic lenses. Stainless steel hardware. Concealed weather-seal gaskets at end caps, lens and power entry on all stand-alone or continuous run fixtures with an IP65 rating. Feed points accept 1/2" trade size threaded wet location conduit fittings.

### Mounting Options

(CSS) Cable Suspension System field adjustable 1/16" aircraft cable, (WM) Wall Mount or (CM) Ceiling Mount.

### Finishes

(SL) Silver, (MW) Matte White, or (FB) Flat Black. Other powder coat finishes available. Consult factory for details.

### LED Light Engine System

LED Light Engines are available as HLO (High Lumen Output) and SLO (Standard Lumen Output) providing efficient illumination. CLO (Custom Lumen Output) allows for end user specified lumen output or tailored wattage consumption for certain models. Consult factory for details.

### Dimming

Dimming is available with a variety of control protocols and options. Consult factory for availability and specifications.

### Acrylic Lens Options

(FW) Frosted White or (FC) Frosted Clear impact resistant extruded lens.

### Fixture Length

Fixtures are available in 2', 3', 4', 6' and 8' nominal lengths. Continuous run mounting available featuring water-sealed gaskets within knock-outs for maintaining WL rating. See installation section for more details.

### Custom and Mods

We proudly specialize in manufacturing custom and modified luminaires and have the ability to modify most of our standard fixtures. Please contact factory with any inquiries.





www.birchwoodlighting.com

Type: Job Name:

Ceiling Mount | Wall Mount | CSS

## SPECIFICATION CODE

### VAN-LED-400

model	light engine	color temp	length	distribution	mounting	feed	finish	lens	voltage	driver	standard cable length	option	option
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CSS selections only\*

standard cable length	option
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Model	Light Engine	Color Temp	Nominal Length	Distribution	Mounting	Feed	Finish	Lens	Voltage	Driver	Options
VAN-LED-400	SLO - Standard Lumen Output High 30 - 3000K 35 - 3500K 40 - 4000K	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	2 - 2' 3 - 3' 4 - 4' 6 - 6' 8 - 8' CR - Continuous Run	DR - Direct for Uplight Distribution, (uses additional light engine) TS - DR with Slot for Uplight Distribution, (uses additional light engine)	CSS - Cable Suspended WM - Wall Mount CM - Ceiling Mount	STND - Standard End Feed EFL - Left End Feed EFR - Right End Feed EF2 - End Feed (both ends) JBE - J-box extender	Powder Coat SL - Silver MW - Matte White FB - Flat Black CUP - Custom <sup>2</sup> White	FC - Frosted Clear FW - Frosted White	120 277	EB - Electronic (standard) Dimming D1 - 1% (nom) 0-10V D10 - 10% 0-10V	CSS <sup>3</sup> - Cable Length CSS <sup>3</sup> - Power Cord Color EM <sup>5</sup> - Emergency Battery Pack HAT <sup>8</sup> - High Ambient Temperature

## CSS Options

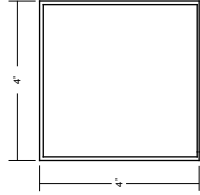
### Cable Length

- 36 - 36" (standard)
- 72 - 72"
- 120 - 120"

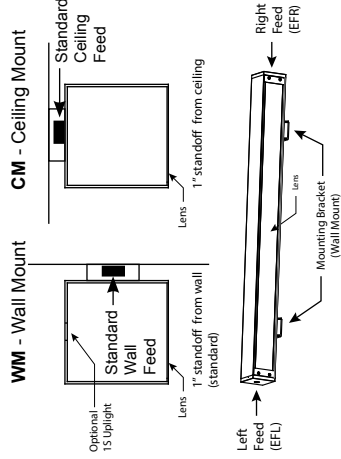
## NOTES

- 1 specify length in nominal feet
- 2 contact factory for custom finish
- 3 see options for non-standard selections
- 4 specify delivered lumens or wattage draw per foot, see LED supplemental page for spec options
- 5 for WM or CM only
- 6 not available for CM option
- 7, 6' & 8' lengths are made up with (2) 3' fixtures or (2) 4' fixtures respectively
- 8 direct (DR) distribution only

## Dimensions



## Mounting



VANESSA is rated for operation with ambient temperatures not to exceed 40°C. Use specification code "HAT" for applications where ambient will be between 40° and 45°C. The "HAT" option is a thermistor which will control internal temperatures so as not to exceed internal device maximum temperature. At certain temperature thresholds, fixture will dim light output to keep internal temperatures within the acceptable range. Available for EB, D1 and D10 drivers only, consult factory for more details.

\*see option sheet for details

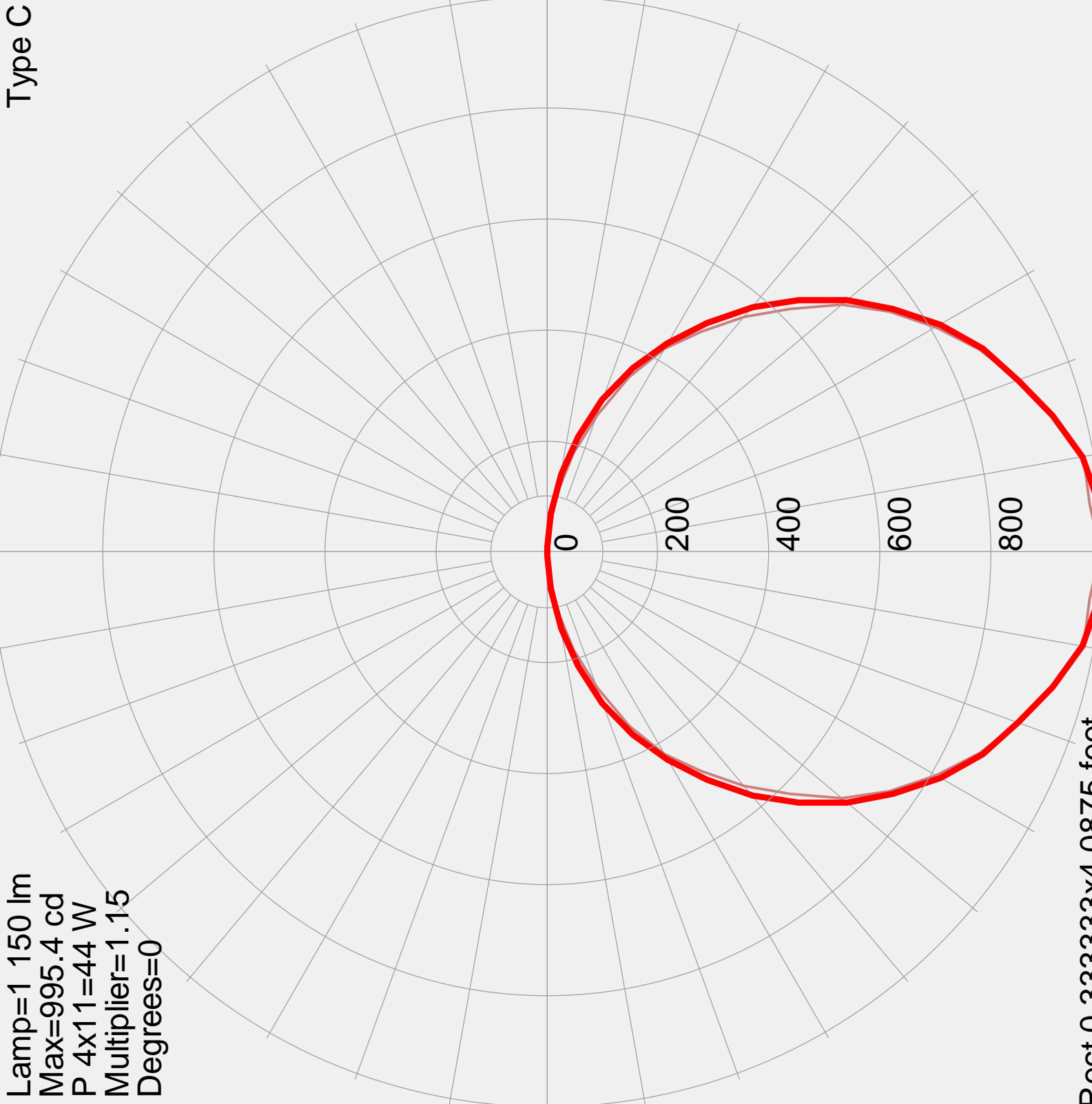
\*see lens supplement sheet for lens info

## LED

- 400 (4000K FW lens)
- SLO - 71.8 lm/watt delivered @ 5.2 w/ft consumed watts
- HLO - 68.5 lm/watt delivered @ 10.9 w/ft consumed watts
- CLO - refer to LED supplemental page

Lamp=1 150 lm  
Max=995.4 cd  
P 4x11=44 W  
Multiplier=1.15  
Degrees=0

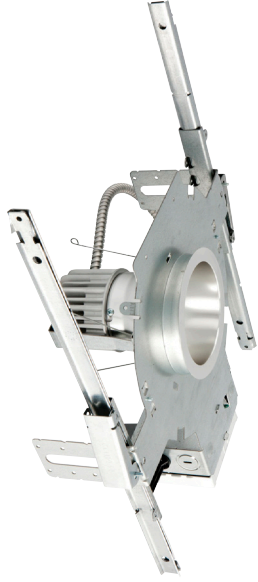
Type C



Rect 0.333333x4.0875 feet

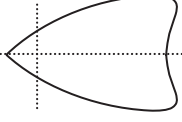
Luminaire: VAN-LED-400-HLO-30-4-MW-FW  
Lamp catalog: L9LR/250C/830/DA3R/289x38  
Lamp: LED 9.2W Distributed Array Gen 3 LED Module (260mA)





Gotham Architectural Downlighting  
LED Downlights

**4" EVO®  
Downlight**



Solid-State Lighting

**FEATURES**

- OPTICAL SYSTEM**
- Self-flanged semi-specular, matte-diffuse or specular, lower reflector
  - Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
  - 45° cutoff to source and source image
  - Top-down flash characteristic
- MECHANICAL SYSTEM**
- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
  - Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
  - Tool-less adjustments post installation
  - Junction box capacity: 8 (4 in, 4 out ) 12AWG rated for 90°C
  - Light engine and driver accessible through aperture

**ELECTRICAL SYSTEM**

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours based on IESNA LM-79-2008
- 120-277VAC, 50/60Hz power supply with 0-10V dimming (10-100%)
- Overload and short circuit protected
- LEDs tested under LM80

**Listings**

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

**Warranty**

- 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**EXAMPLE: EVO 35/10 4AR 120**

Series	Color temperature	Nominal lumen values	Aperture/Trim color	Distribution	Finish	Voltage
EVO	27/	600 lumens	4AR Clear	(blank) 1.0 s/mh	(blank)	120
	30/	1000 lumens	4PR Pewter	MD Medium (0.8 s/mh)	LD Semi-specular	277
	35/	1400 lumens	4WTR Wheat	WD Wide (1.5 s/mh)	LS Matte diffuse	347 <sup>2</sup>
	41/	1800 lumens	4GR Gold			
		2000 lumens	4WR <sup>1</sup> White			
			4BR <sup>1</sup> Black			

**ORDERING INFORMATION**

Driver	Options
AZ10 <sup>1</sup>	SF Single fuse
EZB	NPP16D nLight® network relay pack with 0-10V dimming. Refer to <a href="#">TN-602</a> .
EDAB	NPP16D ER <sup>8</sup> nLight® network relay pack with 0-10V dimming for emergency circuit operation. Refer to <a href="#">TN-602</a> .
EDXB	NPS80EZ nLight® dimming pack controls 0-10V eidoLED drivers.
EGOS2 <sup>3,4,5</sup>	NPS80EZ ER <sup>8</sup> nLight® dimming pack controls 0-10V eidoLED drivers. ER controls fixtures on emergency circuit.
EGOS3 <sup>3,4</sup>	TRW <sup>7</sup> White painted flange
	TRBL <sup>8</sup> Black painted flange
	EL <sup>9</sup> Emergency battery pack with integral test switch
	ELR <sup>8</sup> Emergency battery pack with remote test switch
	CR190 High CRI (90+)
	CP <sup>10</sup> Chicago plenum
	BGTD Bodine generator transfer device
	RRL <sup>11</sup> RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.

ACCESSORIES order as separate catalog numbers (shipped separately)

- SCA4 Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to [TECH-190](#).
- CTA4-8 YK Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
- ISD BC 0-10V wallbox dimmer. Refer to [ISD-BC](#).

4" EVO

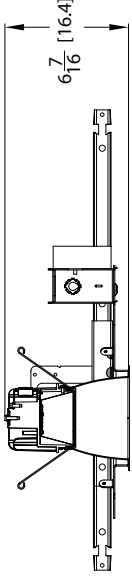
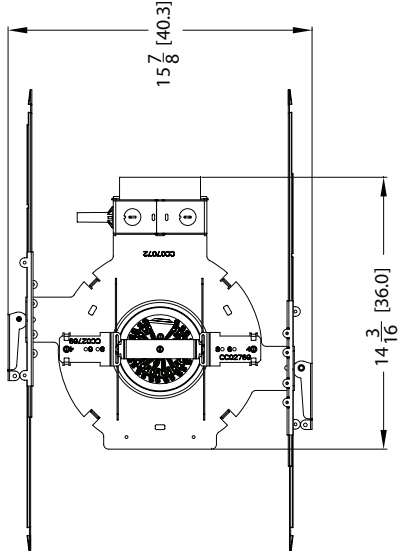
Downlight

Solid-State Lighting



DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



- Aperture: 4-5/16 (11)
- Ceiling Opening: 5-1/8 (13)
- Overlap Trim: 5-7/16 (13.8)

ELECTRICAL

WATTAGE CONSUMPTION MATRIX		
LUMENS	WATTAGE	LUMENS per WATT
600	16	49
1000	21	51
1400	26	55
1800	29	58
2000	31	65

AVAILABILITY/COMPATIBILITY -- INITIAL LUMENS			
PRODUCT	LED		INITIAL LUMENS
	LUMENS	WATTS	EL/ELR ELRHL
EVO 4"	600	18	363 N/A
EVO 4"	1000	22	379 N/A
EVO 4"	1400	30	702 N/A
EVO 4"	1800	38	731 N/A

NOTES

1. Not available with finishes.
2. Not valid with emergency options, i.e., EL and ELR.
3. Refer to [TECH-240](#) for compatible dimmers.
4. Not available with nLight® option.
5. 120V only.
6. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.

nLight® Control Accessories: <i>Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.</i>		
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)
On/Off & Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>
		10', CAT5 10FT
		15', CAT5 15FT

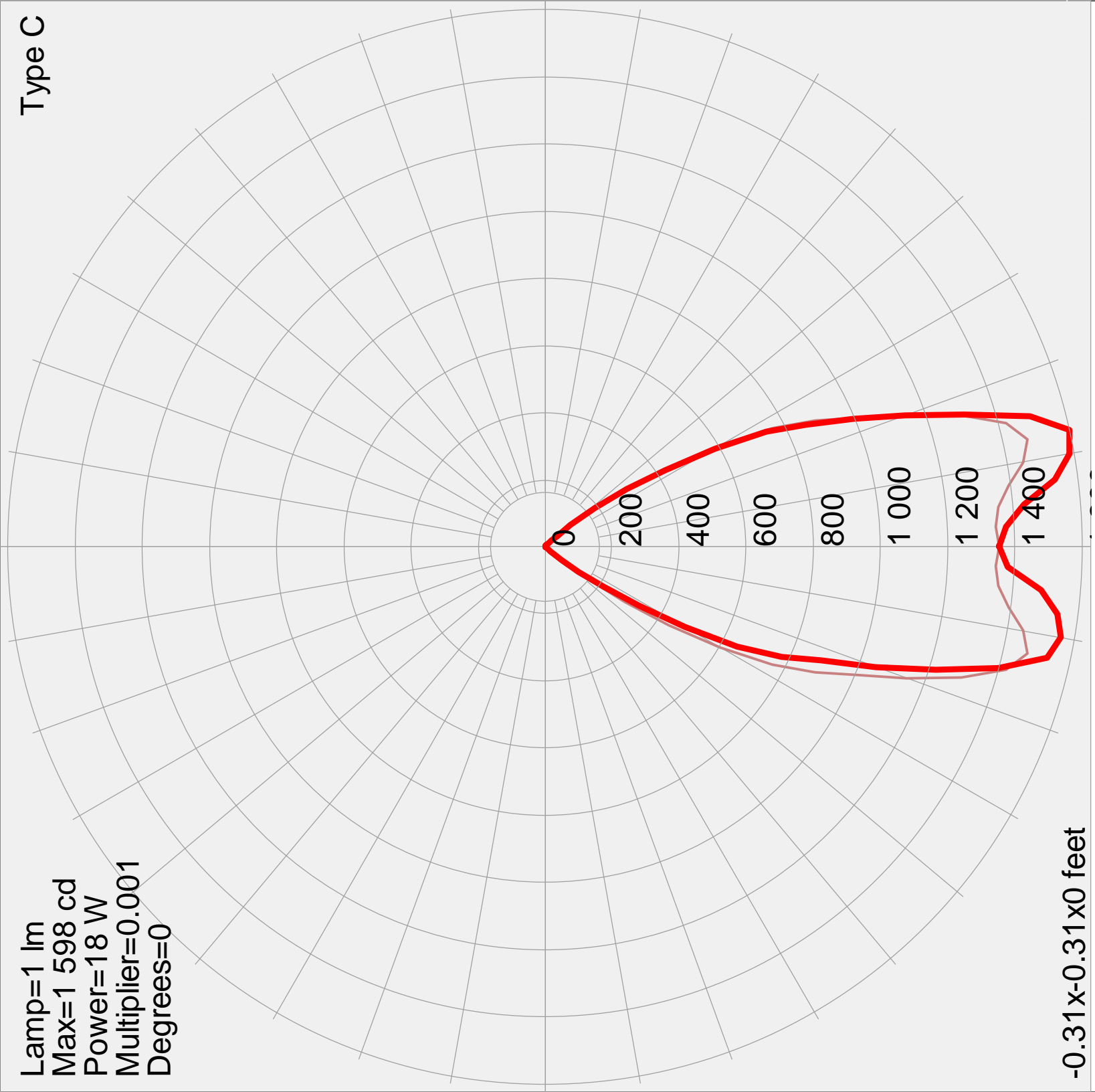
7. Not available with white reflector.
8. Not available with black reflector
9. For dimensional changes, refer to [TECH-140](#). Access above ceiling required. Not available with CP option. Specify 120V or 277V. Not available with 347V.
10. Not available with EL or ELR options.





Lamp=1 lm  
Max=1 598 cd  
Power=18 W  
Multiplier=0.001  
Degrees=0

Type C



-0.31x-0.31x0 feet

Manufacturer: Gotham Architectural Lighting  
Luminaire catalog: EVO 35/10 4AR LS MD 120  
Luminaire: 4" LED DOWNLIGHT, 3500K, 1000 LUMENS, MEDIUM DISTRIBUTION  
Lamp catalog: NICHIA 219A  
Lamp: LED