APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL

AGENDA ITEM # _____
Project # _____

DATE SUBMITTED: AUGUST 29, 2007
UDC MEETING DATE: SEPT. 5, 2007

Action Requested
___ Informational Presentation
X Initial Approval and/or Recommendation
X Final Approval and/or Recommendation

← INITIAL REQUESTING FINAL

PROJECT ADDRESS: 611 LANGDON STREET

ALDERMANIC DISTRICT: 8

OWNER/DEVELOPER (Partners and/or Principals)
HILLEL FOUNDATION, UNIVERSITY OF WISCONSIN, INC.
GREG STEINBERGER (EXECUTIVE DIR.)

ARCHITECT/DESIGNER/OR AGENT:
ENGBERG ANDERSON DESIGN PARTNERSHIP
PAUL CUTA - PRINCIPAL
ERIK JANSSON - CONTACT

CONTACT PERSON: ERIK JANSSON (EADP)
Address: 1 NORTH PINCKNEY ST
MADISON, WI 53703
Phone: 608.250.0100
Fax: 608.250.0200
E-mail address: erikj@eadp.com

TYPE OF PROJECT:
(See Section A for:)
X Planned Unit Development (PUD)
___ General Development Plan (GDP)
X 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 or Space (Fee may be required)
___ New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.
___ 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.

PHOTO 1 View looking west down Langdon Street

PHOTO 2 View looking southwest to Hotel, Hillel & Residential Buildings

PHOTO 3 View looking south across Langdon Street (Existing Hillel building)

PHOTO 4 View looking north across Langdon Street from Hillel

PHOTO 5 View looking north from State Street - service court for University Towers (on right)
Existing Hillel building is beyond

PHOTO 6 View looking south down alley - Hillel on left, residential building on right

CITY REVIEW SET 8-14-2007 - NOT FOR CONSTRUCTION

SITE PHOTOS

Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

University of Wisconsin - Hillel
611 Langdon Street
Madison, WI 53703
Project No 071690

T101

UNIVERSITY OF WISCONSIN - HILLEL

Madison, Wisconsin

PROJECT

SEAL

CONSULTANTS

Civil

Burse Surveying & Engineering
1400 E Washington Ave,
Suite 158
Madison, WI 53703
Ph 608-250-9263
Fx 608-250-9266

Landscape

Ken Saiki Design, Inc.
303 S. Paterson,
Suite One
Madison, WI 53703
Ph 608-251-3600
Fx 608-251-2330

Architectural

Engberg Anderson
1 North Pinckney Street
Madison, Wisconsin 53703

Ph 608-250-0100
Fx 608-250-0200

Foodservice

Stewart Design Associates
2934 Fish Hatchery Road
Madison, WI 53713

Ph 608-271-8554
Fx 608-271-7848

Structural

Pierce Engineers, Inc.
10 West Mifflin Street,
Suite 205
Madison, WI 53703
Ph 608-256-7304
Fx 608-256-7306

Plumbing

Affiliated Engineers, Inc.
5802 Research Park Blvd.
Madison, WI 53719

Ph 608-238-2616
Fx 608-238-2614

Mechanical

Affiliated Engineers, Inc.
5802 Research Park Blvd.
Madison, WI 53719

Ph 608-238-2616
Fx 608-238-2614

Electrical

Affiliated Engineers, Inc.
5802 Research Park Blvd.
Madison, WI 53719

Ph 608-238-2616
Fx 608-238-2614

Communications

Affiliated Engineers, Inc.
5802 Research Park Blvd.
Madison, WI 53719

Ph 608-238-2616
Fx 608-238-2614

DRAWINGS

Survey
C100 Site Demolition & Erosion Control Plan
C101 Site Layout Plan (*)
C102 Grading & Utility Plan
C103 Site Details (*)

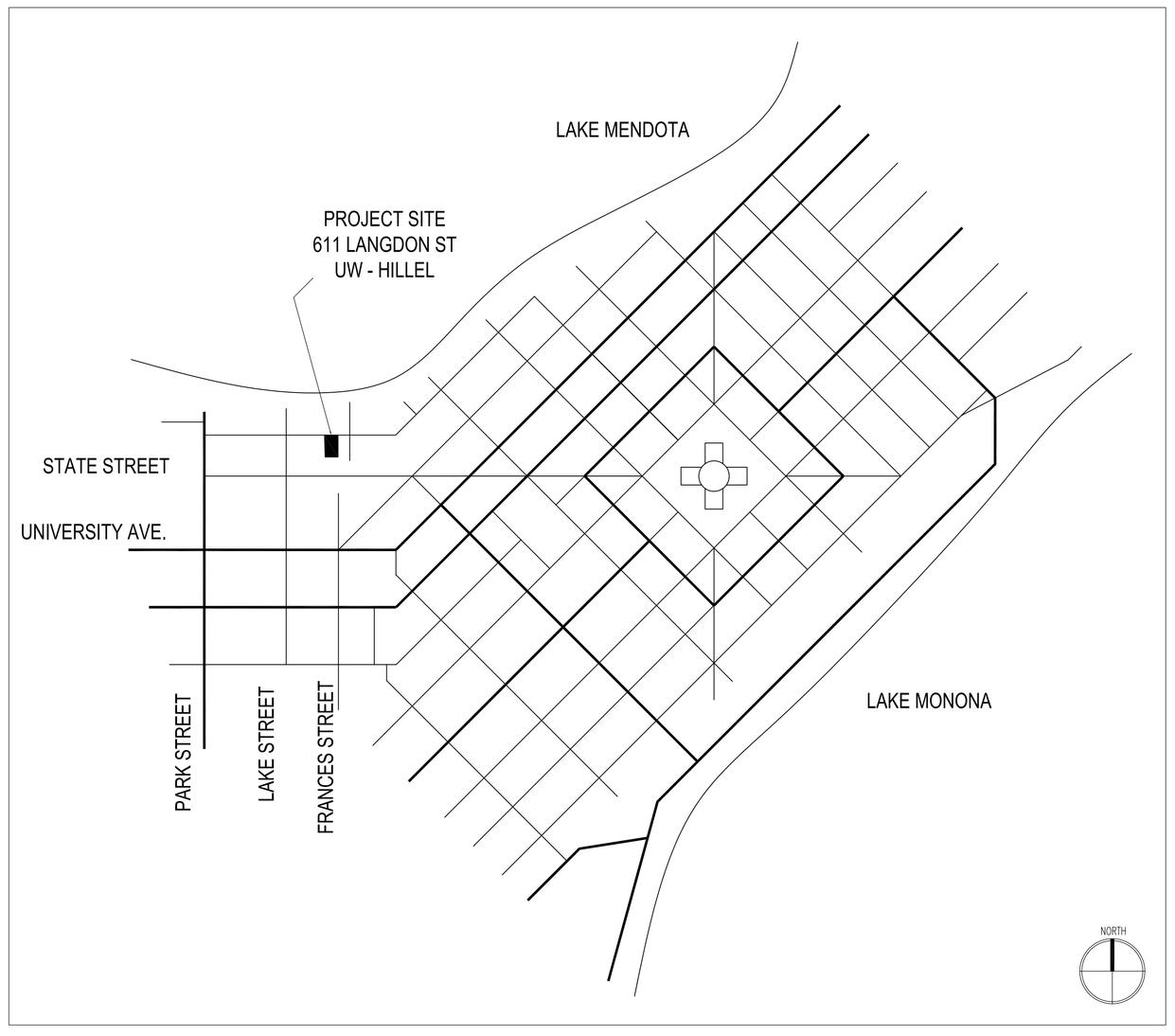
(*) Drawings prepared by Ken Saiki Design, Inc.

L100 Landscape Plan

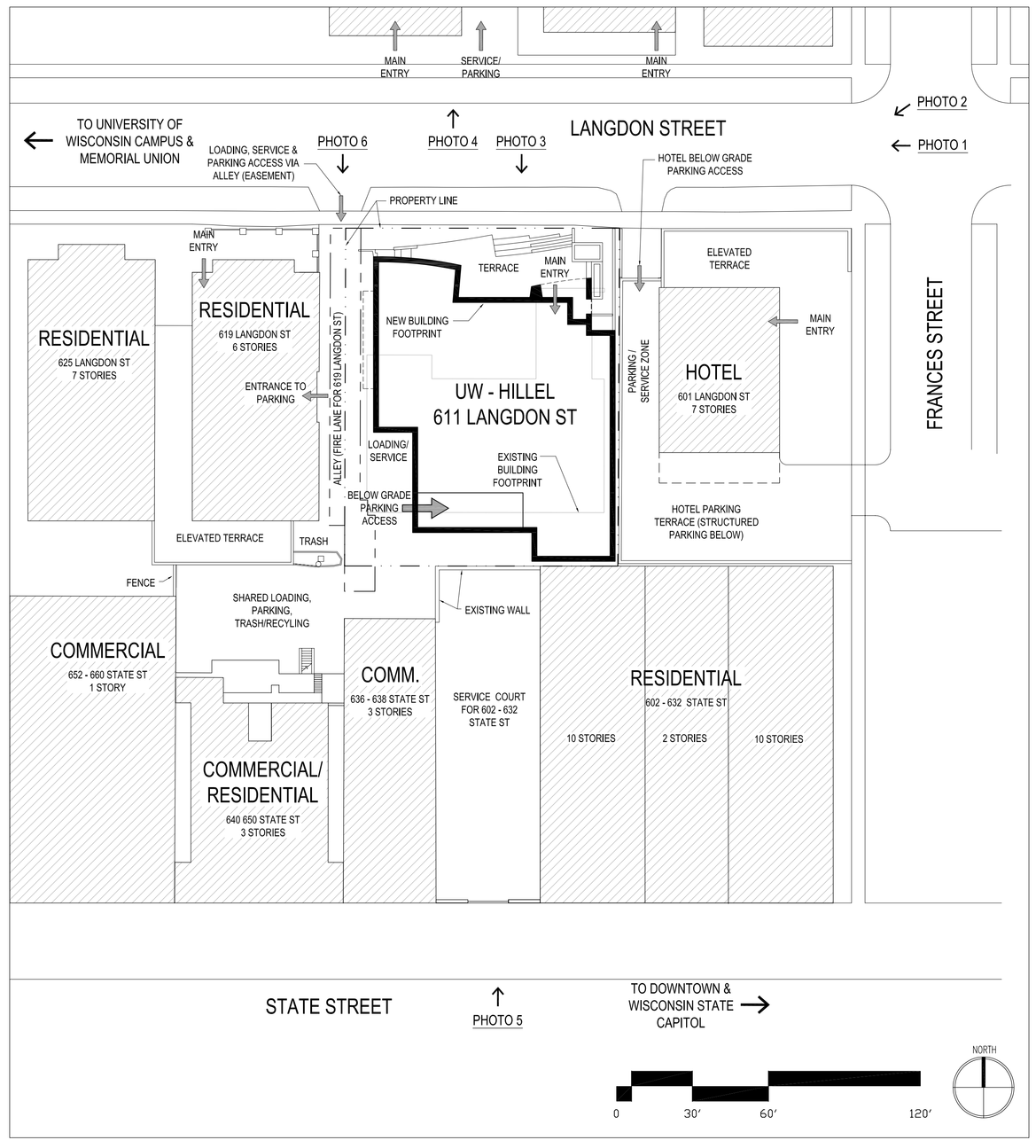
T100 Title Sheet
T101 Photos
A101 Lower Level and First Floor Plans
A102 Second and Third Floor Plans
A103 Fourth Floor and Roof Plans
A401 Exterior Elevations – East and North
A402 Exterior Elevations – West and South
A401a North Elevation (Rendered)
A401b East Elevation (Rendered)
A402a South Elevation (Rendered)
A402b West Elevation (Rendered)
Proposed Signage (8.5x11)

E101 Electrical Site Lighting Plan
EL202 Second Floor Entry Lighting Plan & Luminaire Schedule
EL203 Fourth Floor Electrical Lighting Plan
Lighting Cut Sheets (8.5x11)

SITE LOCATION MAP



SITE CONTEXT PLAN



GENERAL PROJECT NOTES

SQUARE FOOTAGE (ACREAGE) OF THE SITE:
14,358 SQUARE FEET (0.33 ACRES)

TOTAL GROSS SQUARE FEET OF THE BUILDING:
40,765 GSF

SQUARE FOOTAGE BY USE:

Use	Net Square Feet
Meeting Rooms for Assembly (Religious & Non-Religious)	4,325
Dining Areas: Main dining room & café space (also used for multi-purpose assembly space)	3,510
Commercial Kitchen & Servery	1,730
Lobby (also used for assembly)	1,280
Staff & student office space	3,100
Student Lounges	2,155
Fitness Room (including locker rooms)	1,900
Outdoor assembly space (front at-grade terrace and 4th floor terrace)	2,275
Outdoor recreation space (4th floor; also used for assembly)	2,170
Shell Space for future expansion	950
Parking	4,200
Service space & building core (mechanical, loading, recycling/refuse, restrooms, storage, ramp for parking, corridor space, vertical circulation, building structure and core, etc.)	13,170 (gsf)

BUILDING SUMMARY

BUILDING TYPE	STUDENT CENTER
OCCUPANCY CLASSIFICATION	A-3
CONSTRUCTION TYPE	TYPE 3-A
SPRINKLERED	YES
MAXIMUM ALLOWABLE AREA	126,000
MAXIMUM ALLOWABLE STORIES	4.0
TOTAL OOCUPANCY LOAD	1,717

Engberg Anderson **Design Partnership, Inc.**
MILWAUKEE • MADISON

UNIVERSITY OF WISCONSIN HILLEL

MADISON, WISCONSIN

Owner
University of Wisconsin – Hillel
611 Langdon Street
Madison, WI 53703

Project No 071690

Issued For:

No.	Description	Date

CITY REVIEW SET 8-14-2007
- NOT FOR CONSTRUCTION

Drawn by --
Checked By --
File 1690 T100.dwg

Title Sheet

T100

BOUNDARY AND TOPOGRAPHIC SURVEY

LOT 5 AND THE WEST 41 FEET OF LOT 6, BLOCK 7, MADISON ORIGINAL PLAT (PRITCHETTE PLAT), RECORDED IN VOLUME A OF PLATS, PAGE 3, AS DOCUMENT NUMBER 102, LOCATED IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 14, TOWNSHIP 07 NORTH, RANGE 09 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN

0 10 20 40 60

SCALE : ONE INCH = TWENTY FEET

ASSUMED NORTH
THE SOUTH LINE OF LANGDON STREET IS ASSUMED TO BEAR N90°00'00"E

SANITARY SEWER ELEVATION TABLE

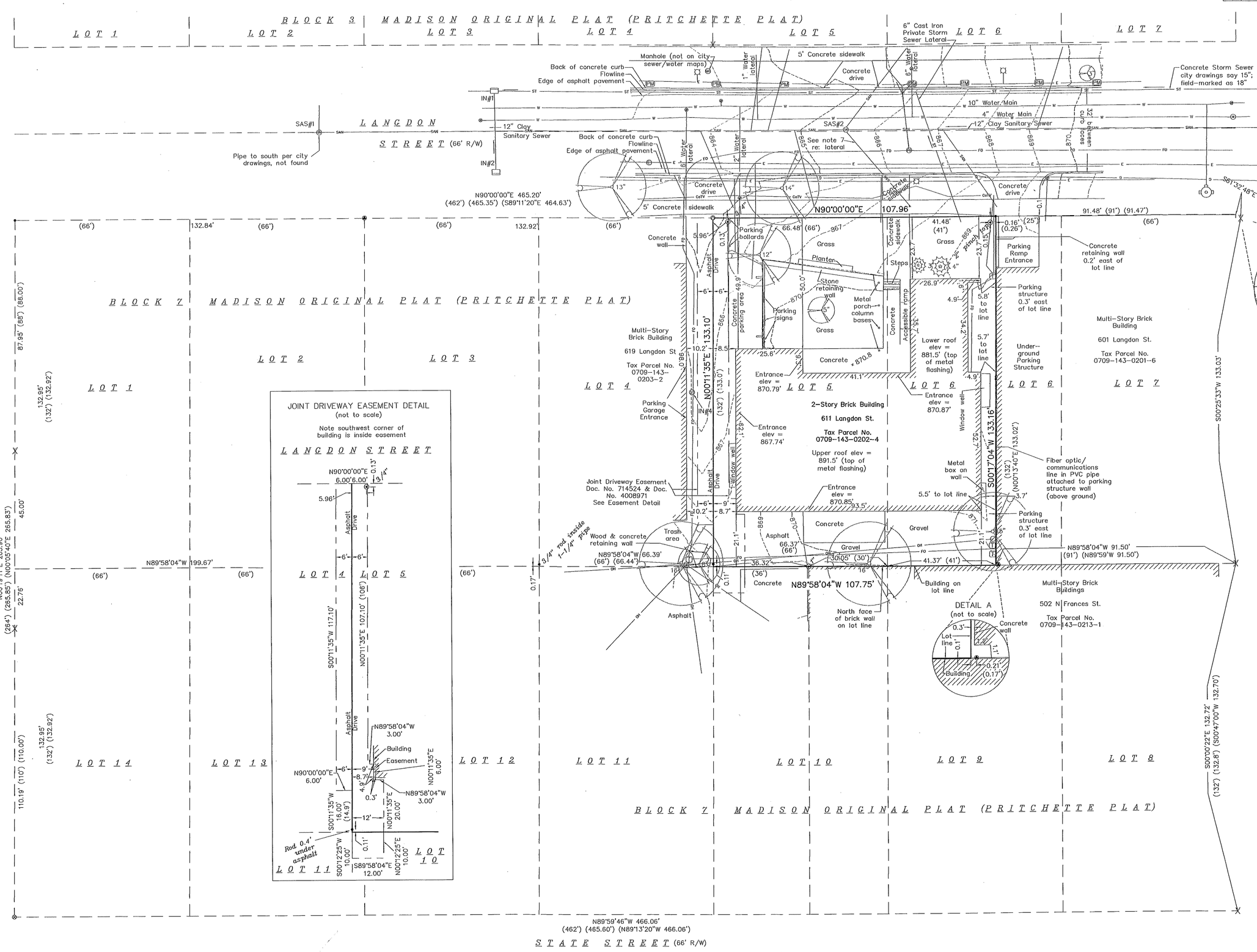
ID	Rim	Pipe Inverts (ft) North	East	South	West
SAS#1	861.61	851.22	851.89	n/a	850.87
SAS#2	865.60	856.34	855.78	n/a	855.66
SAS#3	876.09	868.12	867.44	868.01	867.62

STORM SEWER ELEVATION TABLE

ID	Type	Back of Curb	Pipe Inverts (ft) North	East	South	West
IN#1	Curb Inlet	862.22	n/a	857.72	857.72	857.67
IN#2	Curb Inlet	862.79	Iced up -- inverts not measured			
IN#3	Curb Inlet	878.96	n/a	876.11	875.89	876.11
IN#4	Area Inlet	Rim=865.79	Covered with asphalt -- inverts not measured			

LEGEND

- ⊗ FOUND IRON PIPE (OUTSIDE DIAMETER NOTED)
- • FOUND 3/4" SOLID IRON ROD
- ⊗ FOUND NAIL
- ✱ FOUND MAG NAIL
- X FOUND CHISELED CROSS
- ⊙ SET MAG NAIL
- +870.2 SPOT ELEVATION
- ( ) INDICATES RECORDED AS
- DISTANCES ARE MEASURED TO THE NEAREST 0.01 FOOT.
- —W— WATER MAIN
- —SAN— SANITARY SEWER
- —ST— STORM SEWER
- —G— BURIED GAS LINE
- —FO— BURIED FIBER OPTIC/COMMUNICATIONS LINE
- —CaTV— BURIED CABLE ACCESS TELEVISION LINE
- —E— BURIED ELECTRIC LINE
- —OH— OVERHEAD ELECTRIC LINE
- WATER VALVE
- GAS VALVE
- ELECTRIC BOX
- UTILITY POLE
- LIGHT POLE
- PM PARKING METER
- TELEPHONE/COMMUNICATIONS BOX
- FIRE HYDRANT
- SIGN
- STORM SEWER CURB INLET
- STORM SEWER AREA INLET
- ELECTRIC MANHOLE
- TELEPHONE/COMMUNICATIONS MANHOLE
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- DECIDUOUS TREE (TRUNK DIAMETER SHOWN)
- CONIFEROUS TREE (TRUNK DIAMETER SHOWN)
- ( ) RECORDED AS



NOTES:

1. Dates of field work: February 13, 14, 22 & 23, 2007.
2. Parcel areas (more or less): "Lot 5" = 8842 square feet; "West 41 feet of Lot 6" = 5516 square feet; Total = 14358 square feet.
3. Site Address: 611 Langdon St. Tax Parcel Number: 0709-143-0202-4
4. Vertical Benchmark: Chiseled cross in concrete representing the South Quarter-Corner of Section 14, T07N, R09E, in State Street near 528 State Street, having an elevation of 871.05 feet, NAVD88 datum, per monument record dated February 16, 2004 by Carl Sandsnes. See "Lot Corner Elevations" detail for lot corner and midpoint elevations.
5. Routing of public utilities is based upon markings provided by Digger's Hotline Ticket Numbers 20070602144, 20070602148, 20070602155, 20070802037, 20070802040, 20070802032 & 20070802034, drawings obtained from the City of Madison Engineering Division, and visible aboveground structures. Additional buried utilities/structures may be encountered. No excavations were made to locate utilities. Before excavations are performed contact Digger's Hotline.
6. No attempt has been made as a part of this boundary survey to obtain or show data concerning condition or capacity of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies.
7. It was not evident, from field inspection of the sanitary access structure (manhole) in Langdon Street labeled "SAS#2" on this map, that the sanitary sewer lateral from the northeast part of the property to SAS#2 in fact exists as shown on City of Madison Engineering Division drawings and field markings.
8. All surface and subsurface improvements on and adjacent to the site are not necessarily shown hereon.
9. All trees, hedges and ground cover on the site may not necessarily be shown hereon.
10. Except as specifically stated or shown on this map, this survey does not purport to reflect any of the following which may be applicable to the subject real estate: easements; building setback lines; restrictive covenants; subdivision restrictions; zoning or other land use regulations; and any other facts that an accurate and current title search may disclose.
11. Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose. Surveyor was provided with a "Subdivision Approval Report – 30/60 Title Search" Number NCS-1372193-MAD dated March 16, 2006 from First American Title Insurance Company, which references the following in Part "A" of the Report:

    Easement for Joint Driveway recorded November 19, 1945 in Volume 188 of Miscellaneous, Page 403, as Document Number 714524 (re-recorded January 5, 2005 in a Memorandum of Easement for Joint Driveway in Document Number 4008971).

    Note that the southwest corner of the building in Lot 5 is within the easement (see map).
12. Due to snow cover at the time of this survey, only visible improvements above the snow or where the snow was removed were located.

DESCRIPTION FURNISHED:

"Lot 5 and the West 41 feet of Lot 6, Block 7, Original Plat of the City of Madison, in the City of Madison, Dane County, Wisconsin."

SURVEYOR'S CERTIFICATE:

I, Daniel C. Rodman, Registered Land Surveyor, No. 2793, hereby certify that the foregoing survey was executed under my direction and control, and that said survey meets the minimum standards for property surveys of the Wisconsin Administrative Code (A-E7), and the map hereon is correct to the best of my knowledge and belief.

Dated this 25th day of February, 2007.

Signed: Daniel C. Rodman, R.L.S. No. 2793

WISCONSIN DANIEL C. RODMAN S-2793 Madison, WI LAND SURVEYOR

SURVEYED BY :

Burse surveying & engineering Inc.
1400 E. Washington Ave, Suite 156
Madison, WI 53703 608.250.9263
Fax: 608.250.9266
email: burse@chorus.net
www.bursesurveyengr.com

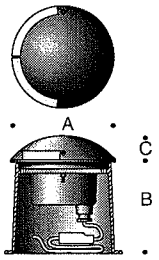
SURVEYED FOR:
Hillel Foundation University of Wisconsin, Inc.
611 Langdon St.
Madison, WI 53703

Date: February 26, 2007
PLOT: Layout1
\PROJECTS\BSE1056\POS\BSE1056.DWG

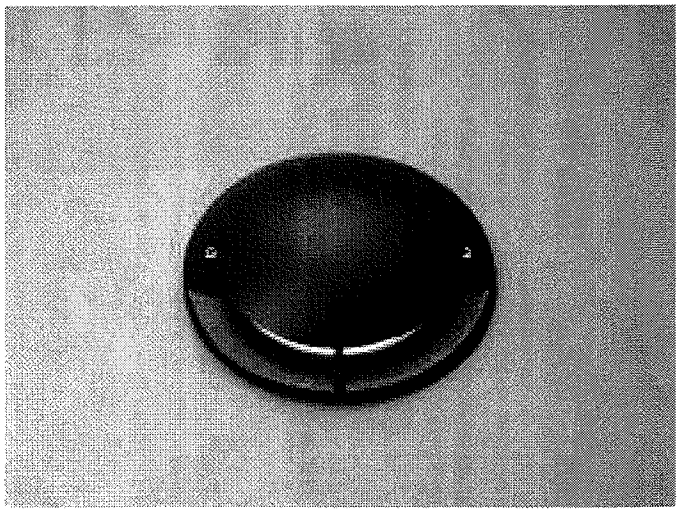
Drive over luminaires for special applications

Type:
BEGA Product #: B1
Project:
Voltage:
Color:
Options:
Modified:

Outer housing: Constructed of high tensile strength, copper free die cast aluminum alloy.
Inner housing: Constructed of copper free die cast aluminum clamping ring/cover/guard, removable for relamping, secured together with four (4) heavy stainless steel bolts which provide a pressure seal to gasket and glass. Two (2) captive socket head stainless steel screws secure inner housing cover to outer housing.
Enclosure: One piece heavy die cast aluminum cover with clear borosilicate focusing lens with cast aluminum guard. Molded, one piece, high temperature silicone rubber gasket.
Electrical: G 8.5 porcelain bi-pin lampholder with stainless steel contacts. Magnetic HPF ballast available 120V or 277V - specify.
Inner housing pre-wired with three (3) feet of 18/3 waterproof cable , cable clamp, and waterproof cable gland entry into housing. A separate waterproof wiring box for power supply must be provided (by contractor).
Finish: Standard finish is an eight step process consisting of two coats of gray high solids, UV stabilized polyurethane, one with light texture over a phosphate base. Custom colors are not available.
U.L. listed, suitable for wet locations and vehicle drive over.
Protection class: IP 67.
Luminaires are designed to withstand loads of up to 8,800 lbs. at speeds up to 12 mph when installed on a proper foundation. Proper drainage must be provided.



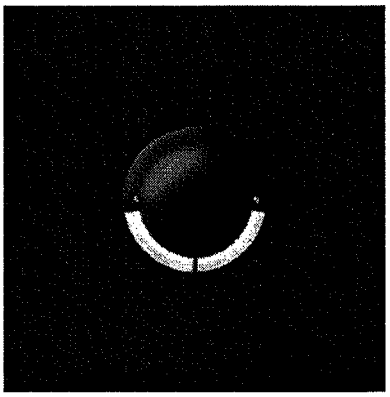
High strength aluminum alloy, stainless steel, and bronze construction. Optical lens made from clear borosilicate glass.
U.L. listed, suitable for wet locations. IP 67.
Finish: Gray.



		Lamp	Lumen	A	B	C
8856MH	Single 180°	1 39W T4 G 8.5	3300	8 1/16	6 7/8	2 3/16

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805·684·0533 [F] 805·684·6682

B1



Photometric Report (Type C)

Filename: 8856MH.PDE
[TEST] BE5254
[ISSUEDATE] 04-18-05
[MANUFAC] BEGA-US
[LUMCAT] 8856MH
[LUMINAIRE] DRIVE OVER BURIED LUMINAIRE WITH ONE 180 DEGREE PORT
[LAMPCAT] (1) 39W T4 G8_5 MH

Maximum Candela = 1040.48998496532 at 25 H 87.5 V

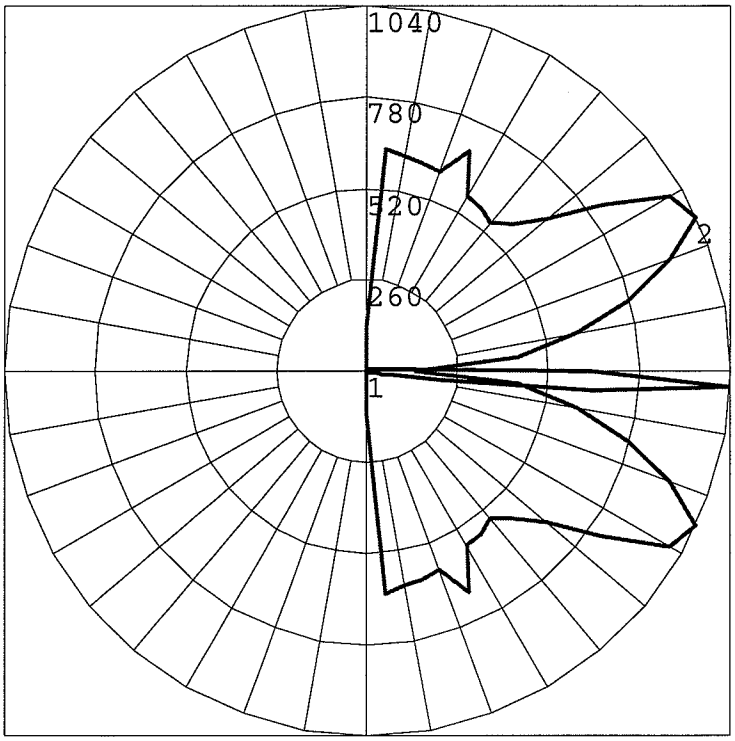
Classification:

Road Classification: Type IV, Long, Non-Cutoff
Indoor Classification: Semi-Direct

Polar Candela Curves:

Vertical Plane Through:
1) 25 - 205 Horizontal

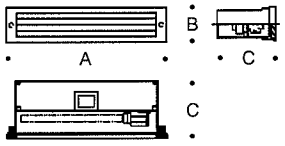
Horizontal Cone Through:
2) 87.5 Vertical



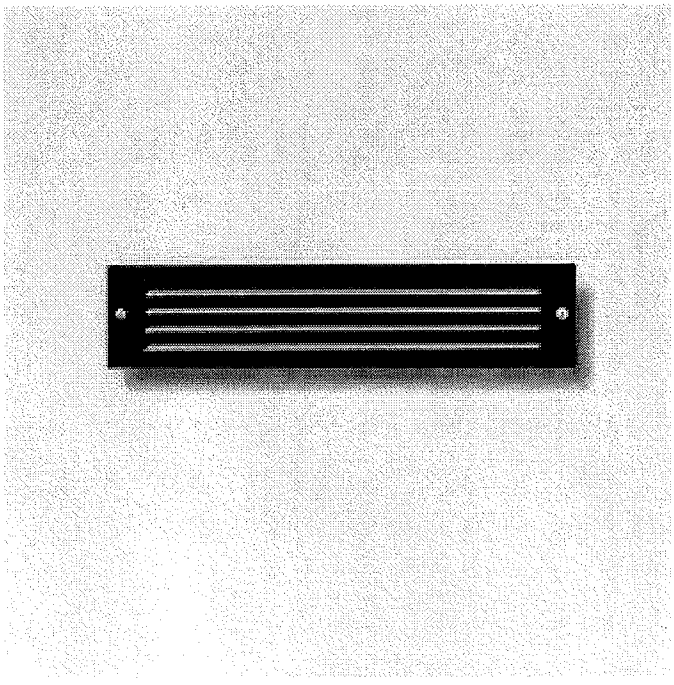
Recessed wall luminaires

Type:
BEGA Product #: B2
Project:
Voltage:
Color:
Options:
Modified:

Housing: Constructed of die cast and extruded aluminum with integral wiring compartment. Mounting tabs provided.
Enclosure: One piece die cast aluminum faceplate, ⅛" thick. Clear tempered glass with translucent white ceramic coating. Faceplate is secured by two (2) socket head, stainless steel, captive screws threaded into stainless steel inserts in the housing casting. Continuous high temperature O-ring gasket for weather tight operation.
Electrical (Incandescent): Incandescent lampholder: D.C. Bayonet with ceramic insulator and high temperature leads. Integral electronic transformer 120V/11.6V. For dimming refer to page 326 of catalog.
Through Wiring: All units are suitable for a maximum of four (4) No. 12 AWG conductors (plus ground) suitable for 75°C. Two ⅞" knockouts provided for ½" conduit.
Finish: These luminaires are available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. For complete description of BEGA finishing process, refer to technical information section at end of catalog. Custom colors supplied on special order.
U.L. listed, suitable for wet locations and for installation within 3 feet of ground. Suitable for all types of construction including poured concrete. Type non-IC. Protection class: IP 64



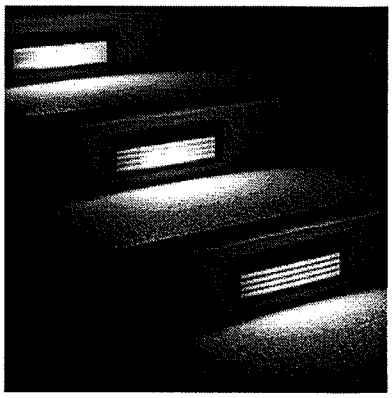
Recessed luminaires with die cast aluminum louvers and etched tempered diffusers. 2283 has integral electronic transformer and includes 1142 lamp.
U.L. listed, suitable for wet locations. IP 64.
Color: Standard BEGA finishes.
Opening: 5 27/32" x 2 7/16" x 4"



			Lamp	Lumen	A	B	C
2283	w/ Transformer	ADA	1 18W S8,12V	264	6	2 9/16	4¼

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805·684·0533 [F] 805·684·6682

B2



Photometric Report (Type C)

Filename: 2283.PDE
[TEST] BE1629
[ISSUEDATE] 06-17-94
[MANUFAC] BEGA-US
[LUMCAT] 2283
[LUMINAIRE] RECESSED WALL LUMINAIRE W_HORIZONTAL DIE CAST ALUMINUM LOUVERS, ETCHED TEMPERED
[LAMP] (1) 18W S8, 12V

Maximum Candela = 11.0395995950699 at 0 H 55 V

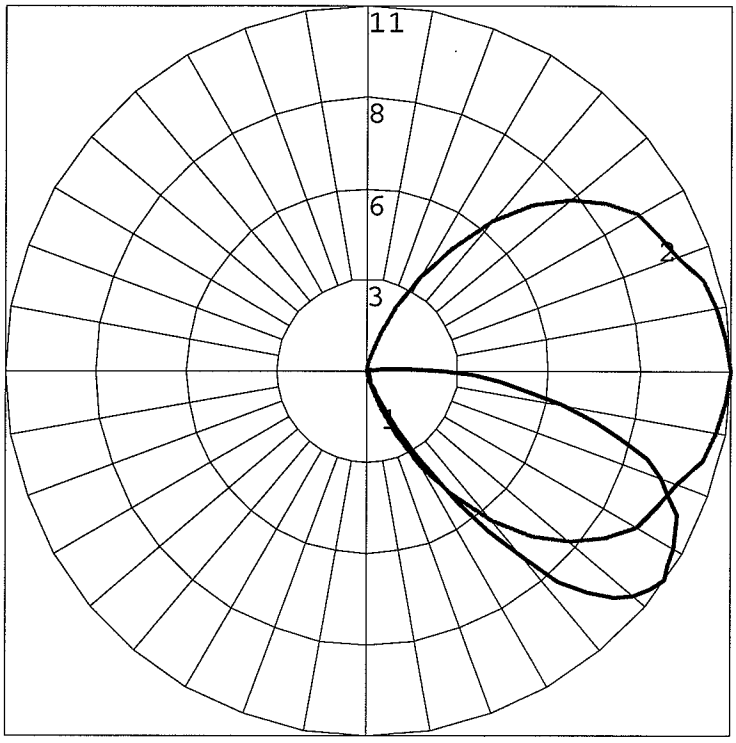
Classification:

Road Classification: Type IV, Very Short, Cutoff
Indoor Classification: Direct

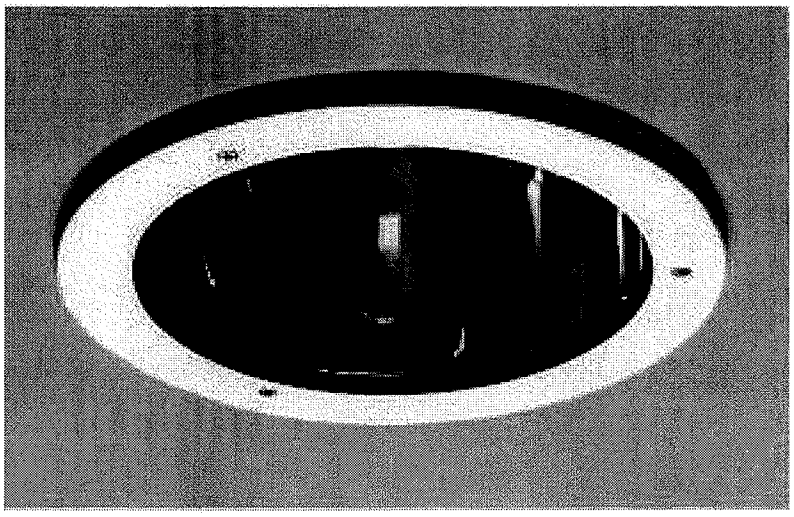
Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

Horizontal Cone Through:
2) 55 Vertical



C1

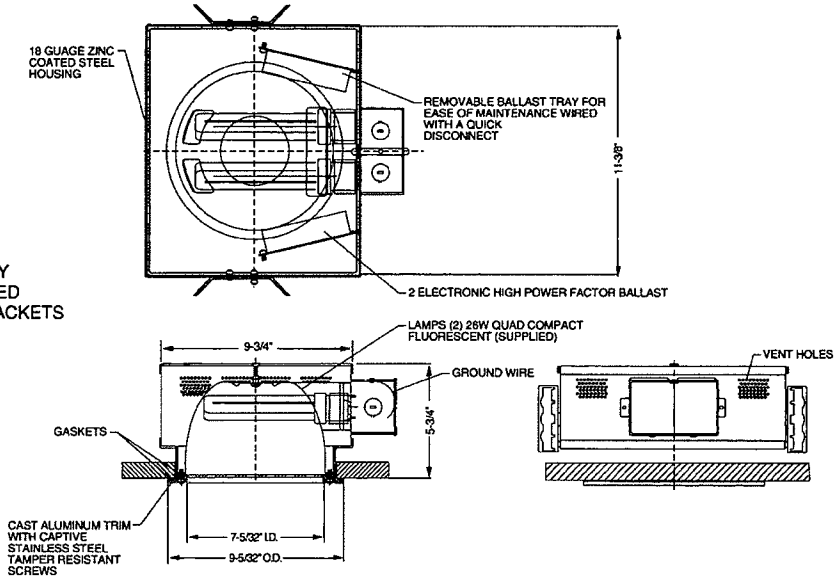


design: richard klapper

RDL/RHL

- 18GA Zinc coated steel housing
- Adjustable for 1/2" to 11/2" thick ceiling
- Concrete pour housing available
- Low copper alloy cast trim ring
- 3/16" thick UV stabilized polycarbonate lens
- Electronic ballasts for -25ºF cold weather start for fluorescent, HPF magnetic ballast for HID
- Zero iridescence reflector
- Triple gasketed
- Trim ring is mechanically attached to body
- ETL , cETL listed wet label IP 55
- Available as matching wall wash

DRAWING SHOWS BODY STYLE FULLY RECESSED WITH HANGER BAR BRACKETS



ORDERING CHART

SERIES	Lamp X	Wattage XX	Body X	Ring Finish XX	Grill X	Ballast X	Lens X	Options XX
DOWNLIGHTS RDL RHL WALL WASH RWL RWH	8-Fluorescent 9-HID (RHL only)	**FOR RDL/RWL** **J3**-2x13W QUAD 2700K **J1**-2x13W QUAD 3500K **G7**-2x18W QUAD 2700K **G8**-2x18W QUAD 3500K **G2**-2x26W QUAD 2700K **E8**-2x26W QUAD 3500K **H2**-1x32W TRIPLE 2700K **H3**-1x32W TRIPLE 3500K **FOR RHL/RWH** **H4**-1X42W TRIPLE 4 PIN 27K **H5**-1X42W TRIPLE 4 PIN 35K **10**-2X32W TRIPLE 4 PIN 27K **J8**-2X32W TRIPLE 4 PIN 35K **L3**-70W MH ED17 MED CLEAR **B4**-70W MH ED17 MED COATED **L6**-70W HPS ED17 MED CLEAR **B6**-70W HPS ED17 MED COATED	**4** - Fully Recessed with Hangar Bar Brackets **V** - Fully Recessed for Concrete Pour	**00** - Semi Gloss Black **01** - Semi Gloss White **02** - Black Suede **03** - Grey **04** - Bronze **05** - Hammered Bronze **07** - Hammered Copper **10** - Matte Silver **17** - Granite **47** - Weathered Bronze **48** - Weathered Moss **49** - Good Earth **61** - Onyx **80** - Weathered Copper **81** - Weathered Iron **82** - Hammered Gunmetal **83** - Metallic Silver **84** - Aluminum **85** - Terracotta **86** - Metallic Gold **87** - Chrome **88** - Quick Silver **89** - Zinc Grey **0M** -BLK Marine Finish **1M** - WH. Marine Finish **HB** - Hand Painted Weathered Bronze **HC** - Hand Painted Weathered Copper **99** - Custom	**0**-None	**C**- 120V/277V Elect. **2**- 347V Elect. **9**- 120V HPF MAG **A**- 277V HPF MAG	**C**- Clear **X**- Opal **P**- Clear Prismatic **T**- Tempered Glass **F**- Linear Prism Overlay	**0** - None **1** - Emergency Ballast **3** - 2 Circuit Wiring **8** - Non Std. Screws **A** - DC Bayonet Socket (HID only) **D** - Black Oxide Screws **F** - Quartz Restrike (HID only) **S** - Spanner Head Screws

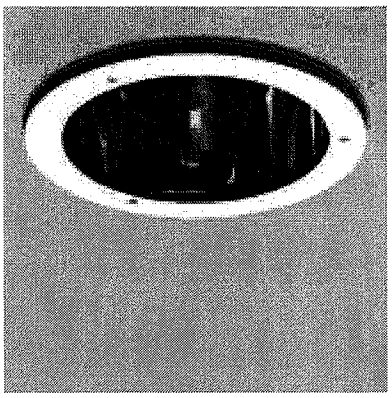
To order choose one number from each column and two numbers from options column. Use 00 for options to signify none required.

NOTE:
HID is available in T only

NOTE:
C and 2 are for fluorescent
9 and A are for HID

designplan
79 Trenton Avenue
Frenchtown, NJ 08825
Tel: (908) 996-7710
Fax (908) 996-7042

C1



Photometric Report (Type C)

Filename: RHL-8-H4.IES
[TEST] LTL NUMBER_ 05007
[ISSUEDATE] 07_15_2004
[MANUFAC] DESIGNPLAN LIGHTING
[LUMCAT] RHL-8-H4
[LUMINAIRE] 18GA ZINC COATED STEEL HOUSING, LOW COPPER ALLOY CAST TRIM RING, SPUN SPECULAR A
[LAMPCAT] CF42DT_E_IN_827 GX24Q
[LAMP] ONE SYLVANIA 42 WATT TRIPLE 4 PIN COMPACT FLUORESCENT_ LUMENS=3200
[BALLAST] ONE ENERGY SAVINGS ES-1-CFH-42_32_26-UNV-C

Maximum Candela = 1042 at 90 H 22.5 V

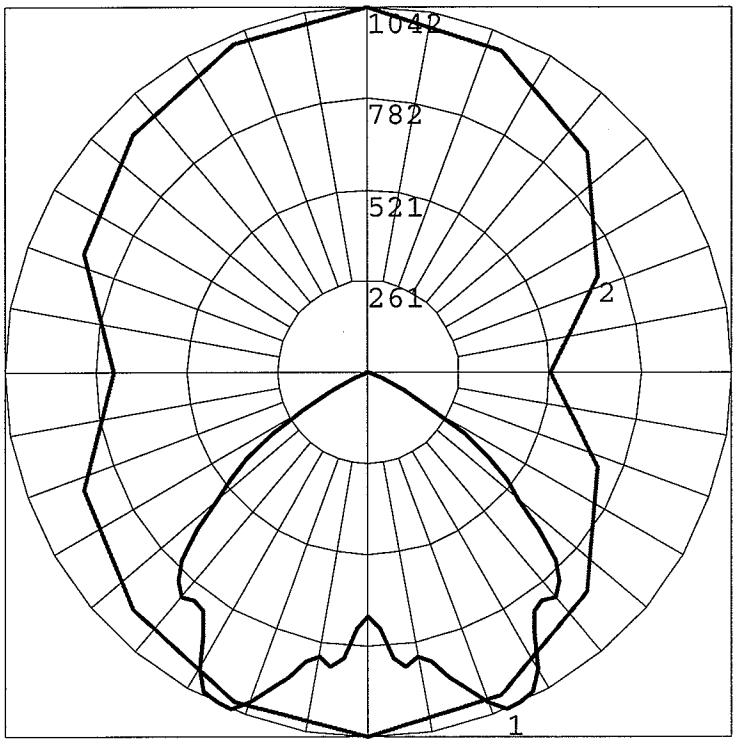
Classification:

Road Classification: Type I, Very Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 90 - 270 Horizontal

Horizontal Cone Through:
2) 22.5 Vertical



Low level directional luminaires - above grade

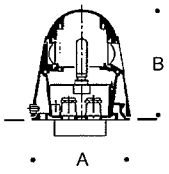
Housing: Constructed of one piece copper free die cast aluminum alloy, removable for relamping, secured together with stainless steel screws which provide a pressure seal to gasket and glass.
Enclosure: Single "port" with etched borosilicate lens. Molded, one piece, high temperature silicone rubber gasket.

Electrical: Fluorescent lampholder are type G24q-3. Fluorescent ballasts are electronic - universal voltage 120V through 227V. A separate waterproof wiring box for power supply must be provided below luminaire (by contractor) in addition to the anchorage.

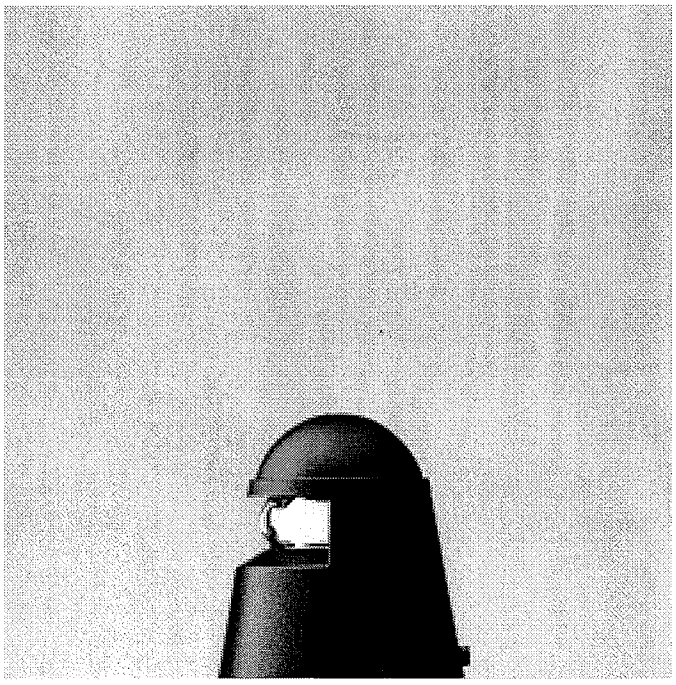
Finish: These luminaires are available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. For complete description of BEGA finishing process, refer to technical information section at end of catalog. Custom colors supplied on special order.

U.L. listed, suitable for wet locations. Protection class: IP 67.

Type:
BEGA Product #: C2
Project:
Voltage:
Color:
Options:
Modified:



Low level ground illuminators utilizing highly efficient fluorescent sources.
U.L. listed, suitable for wet locations. IP 67.
Color: Standard BEGA finishes.



		Lamp			Lumen	A	B
8747P	180° 1 port	1	13W CF triple-4p		900	6 1/16	7 1/2
891A	Anchorage - supplied						

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805·684·0533 [F] 805·684·6682

C2

Photometric Report (Type C)

Filename: 8847P.PDE
[TEST] BE5169
[ISSUEDATE] 01-22-04
[MANUFAC] BEGA-US
[LUMCAT] 8847P
[LUMINAIRE] LOW LEVEL DIRECTIONAL ABOVE-GRADE LUMINAIRE W_SINGLE PORT
[LAMP] (1) 26W CF TRIPLE-4P

Maximum Candela = 85.5359977340698 at 35 H 82.5 V

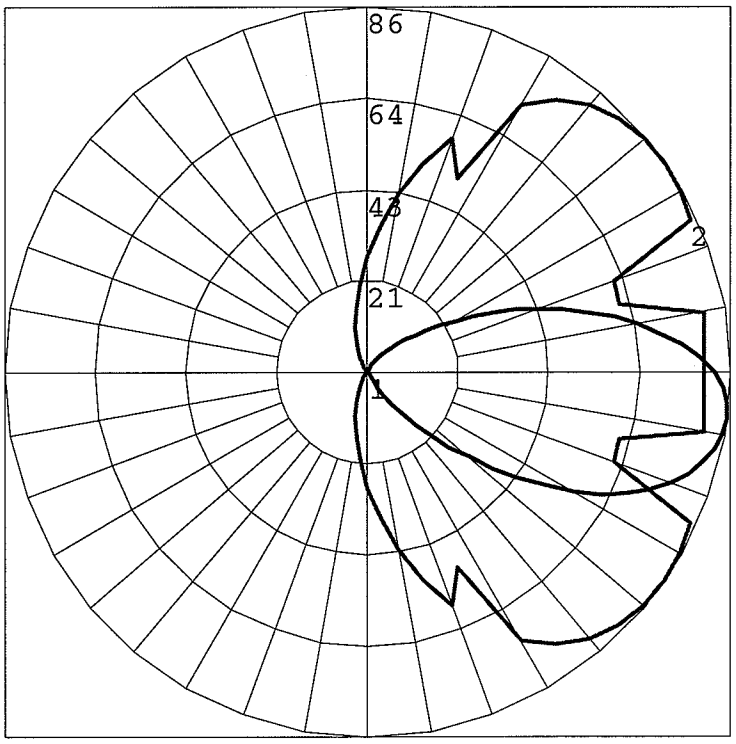
Classification:

Road Classification: Type IV, Long, Semi-Cutoff
Indoor Classification: Semi-Direct

Polar Candela Curves:

Vertical Plane Through:
1) 35 - 215 Horizontal

Horizontal Cone Through:
2) 82.5 Vertical



C3

LUMENTON

Project :

Type :

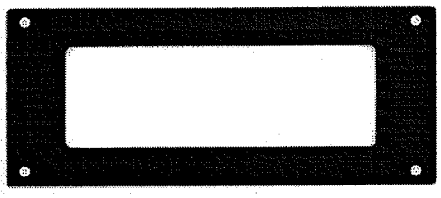
Product # : SL700/

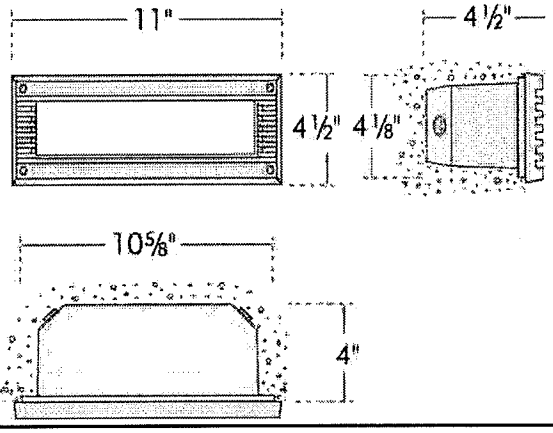
Date :

Approval :

5461 West Jefferson Blvd
Los Angeles, CA 90016
Tel: 1-888-4-LUMEN8
Fax: 1-888-7-LUMEN8

ADA





SL700

Applications: Recessed wall luminaire designed for commercial, architectural, and residential installation. Designed to conform to the architectural requirements for low mounting heights for the illumination of steps, stairways, walkways, aisles, ramps and other indoor and outdoor applications. Can be mounted vertically.

Housing: Constructed of high grade aluminum with an integral wiring compartment, silicone gasket, and mounting tabs provided.

Faceplate: 11" x 4 1/2" rectangular open with "side grill" one-piece high grade diecast aluminum faceplate with a high corrosion-resistant powder coat finish and semi-translucent polycarbonate opal lens. Faceplate is installed by four (4), captive, tamper resistant, stainless steel screws.

Electrical:
- Line Voltage Lampholder: Medium Base Incandescent T10 (60W Max.) with high temperature leads (660W, 600V).
- Compact Fluorescent Lampholder (2 Pin): G23 (9W) rated 75W, 600V. Ballast: Magnetic class P, NPF, available in 120V or 277V (minimum starting temperature 10°C for 120V or 0°C for 277V). Remote: 10 ft.
- Compact Fluorescent Lampholder (4 Pin): G24q-1 or GX24q-1 (13W), G24q-2 or GX24q-2 (18W), G24q-3 or GX24q-3 (26W), GX24q-3 (32W) rated 75W, 600V. Ballast: Electronic class P, HPF. Available in 120V or 277V (minimum starting temperature -30°C). Remote: 15 ft (1 lamp), 6 ft (2 lamps).

Note: Dimming ballast requires alternate ballast. Please contact your local rep. or factory for options.

Through Wiring: A maximum of four (4) No. 12 AWG conductors (plus ground wire), rated 75°C min. Two (2) threaded holes (1/2-14 NPSM) provided.

Finish: Powder coat. Standard color in black, white or natural aluminum finish. Custom colors available on special order, supply two (2) samples.

Listing: UL / ETL Listed, suitable for wet locations and for all types of constructions including poured concrete. **ADA** compliant and suitable for installation within 4 feet of ground.

Specifications Subject to change without notice

REQUIRED WALL RECESSED OPENING:
Width: 8 3/4" x Height: 3 5/8" Depth: 3 5/8"

C3

LUMENTON

Project :

Type :

Product # : SL700/

Date :

Approval :

5461 West Jefferson Blvd
Los Angeles, CA 90016

Tel: 1-888-4-LUMEN8
Fax: 1-888-7-LUMEN8

ITEM #: SL700

ORDERING : SL700 / Lamp / Volt / Finish

Lamp Description	Lumen	Base	Bulb	Watt	Lamp	Volt	Finish
Compact Fluorescent						120	B ► Black
9W PL	600	G23	2 Pin	9W	◄ PL9	277	N ► Natural
13W PL	900	G24q-1/	4 Pin	13W	◄ PL13		W ► White
18W PL	1200	G24q-2/	4 Pin	18W	◄ PL18		
26W PL	1710	G24q-3/	4 Pin	26W	◄ PL26		
32W PL	2400	G24Q-3	4 PIN	32W	◄ PL32		
(2) 9W PL	1200	G23	2 Pin	(2) 9W	◄ PL209		
Incandescent							
INC60	740	MED	T10 60W Max.		◄ INC60		

C3

Photometric Report (Type C)

Filename: SL700-PL18.ies

Maximum Candela = 90.8 at 0 H 90 V

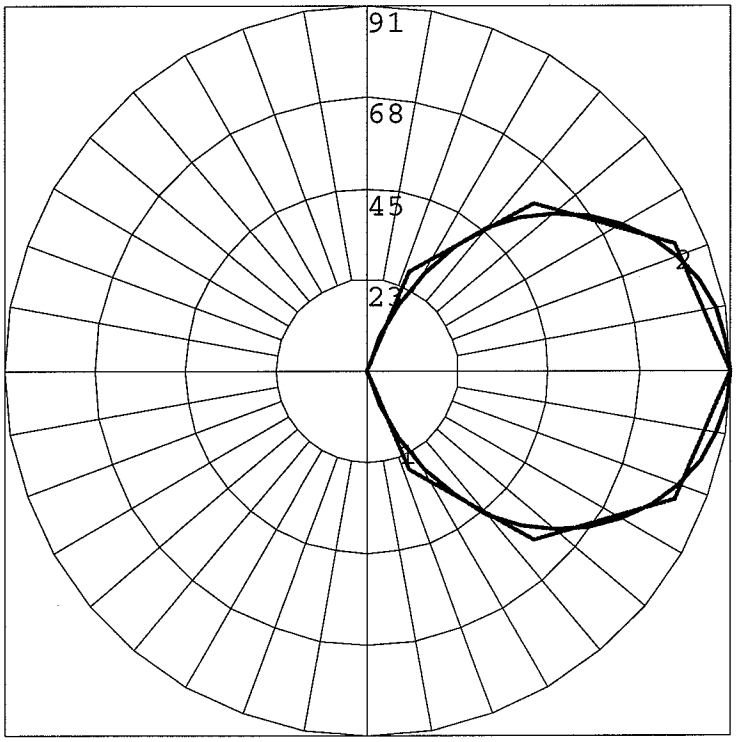
Classification:

Road Classification: Type IV, Very Short, Non-Cutoff
Indoor Classification: General Diffuse

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

Horizontal Cone Through:
2) 90 Vertical



H1

Ordering Information

Small Wall Director®

WD14
Medium Base
70 to 175 Watt

Ordering Example:
For Standard Fixture

Fixture	Electrical Module	Finish	Options
WD14D3	**/ 175MH277 /**	**BL-P**	**/ A-33**
1	2	3	4-13

See page **15** for complete option specifications information.

1 Fixture:

Cat. No. designates **WD14** fixture, Up (U) or Down (D) configuration, and light distribution (2, 3, 4, G, or S).

Fixture:	Light Distribution:	Type II	Type III	Type IV	Wall Grazer	Spot
UP 14"	Cat. No.:	**WD14U2**	**WD14U3**	**WD14U4**	**WD14UG**	**WD14US**
DOWN 14"	Cat. No.:	**WD14D2**	**WD14D3**	**WD14D4**	**WD14DG**	**WD14DS**

2 Electrical Module:

PMH = Pulse Start Metal Halide
MH = Metal Halide
HPS = High Pressure Sodium
PL = Compact Fluorescent Triple Tube
IF = Induction Fluorescent

See lamp and electrical data on pages **16** - **17** for ballast types and characteristics.

Lamp Watts **175** | Lamp Type **MH** | Line Volts **277**

Pulse Start Metal Halide		Metal Halide	High Pressure Sodium	Compact Fluorescent	Induction Fluorescent
50PMH120	**125PMH120**	**175MH120**	**70HPS120**	**42PL120**	**55IF120**
50PMH208	**125PMH208**	**175MH208**	**70HPS208**	**42PL208**	**55IF208**
50PMH240	**125PMH240**	**175MH240**	**70HPS240**	**42PL240**	**55IF240**
50PMH277	**125PMH277**	**175MH277**	**70HPS277**	**42PL277**	**55IF277**
50PMH347		**175MH347**	**70HPS347**	**57PL120**	
		175MH480	**70HPS480**	**57PL208**	
70PMH120	**150PMH120**		**100HPS120**	**57PL240**	
70PMH208	**150PMH208**		**100HPS208**	**57PL277**	
70PMH240	**150PMH240**		**100HPS240**	**60PL120**	
70PMH277	**150PMH277**		**100HPS277**	**60PL208**	
70PMH347	**150PMH347**		**100HPS347**	**60PL240**	
70PMH480	**150PMH480**		**100HPS480**	**60PL277**	
100PMH120			**150HPS120**	**70PL120**	
100PMH208			**150HPS208**	**70PL208**	
100PMH240			**150HPS240**	**70PL240**	
100PMH277			**150HPS277**	**70PL277**	
100PMH347			**150HPS347**		
100PMH480			**150HPS480**		

3 Finish:

Super TGIC powder coat paint over titanated zirconium conversion coating.

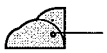
Color:	Black	Dark Bronze	Light Gray	Platinum Silver	White
Custom Colors Cat. No.:	**BL-P**	**DB-P**	**LG-P**	**PS-P**	**WH-P**

CC-P Consult representative

4 Optional Base Socket:

Cat. No.: **G12** — Optional G12 base socket available for 70W and 150W Pulse Start Metal Halide lamps only.

5 Optional Photocell:



Photocell Sensor

Line Volts:	120V	208V	240V	277V	480V	347V
Cat. No.:	**A-30**	**A-31**	**A-32**	**A-33**	**A-34**	**A-35**

6 Optional Houseside Shield:

HS for flat lens

Cat. No.: **HS** — Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the following amounts:

Approximate light reduction toward wall.	Type II	Type III	Type IV
WD14	-43%	-74%	-77%

HSC for Lexan SLX Enclosure

Cat. No.: **HSC** — For fixtures with optional Lexan® SLX Enclosure.

7 Optional 5° Shield:

5° Shield

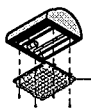
Cat. No.: **5DS14** — Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.

8 Optional Lexan® SLX Non-Yellowing Enclosure:

Lexan® SLX Enclosure

Cat. No.: **SX** — **For DOWN fixture models only.** Clear convex vacuum formed non-yellowing Lexan® SLX enclosure with gasket replaces standard tempered flat glass lens.

9 Optional Wire Guard:



Wire Guard

Cat. No.: **WG14** — For use with all WD14 fixtures, UP or DOWN. 11 ga. (.12" dia.) BB Wire, (.75" sq. welded mesh pattern.) 11⅜" x 10¼" x 1½" deep. Finish is Super TGIC thermoset polyester powder coat paint, over zinc plated wireform. Finished to match the fixture.

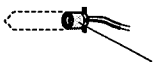
NOTE: Only available with flat lens applications.

10 Optional Fusing:

Single Fuse

Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	**SF**	**DF**	**DF**	**SF**	**SF**	**DF**

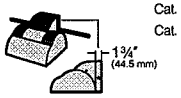
11 Optional Quartz Standby:



Quartz Standby

Cat. No.: **QS** — Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 100W maximum.

12 Optional Surface Conduit Mount:



Cat. No.: **SCM14U** — For WD14 fixtures, UP only.

Cat. No.: **SCM14D** — For WD14 fixtures, DOWN only.

For use with all WD14 fixtures, UP or DOWN. Cast aluminum junction box and fixture mount for attachment (by others) to existing walls, beams or columns. SCM14 has one ¾" NPT conduit tap in each side, top and bottom. Finished to match the fixture.

13 Optional Battery Back-up:

Cat. No.: **EM** — Internal battery pack provides 90 minutes of supplemental light at 750 lumens on 26, 32, or 42 watt compact fluorescent lamps. (Remote mounted battery pack also available for 57W, 60W, and 70W CFL - consult factory.)

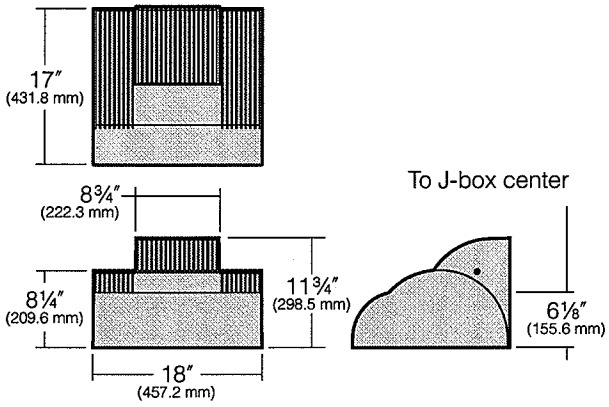
Luminaire Specifications

H1

WD18 and WD14 Models

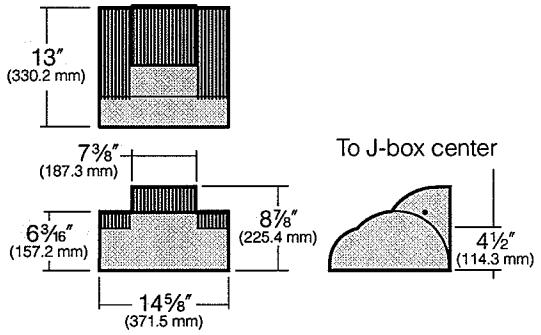
Dimensions

WD18 Model
250 to 400 watt
Mogul Base Lamps



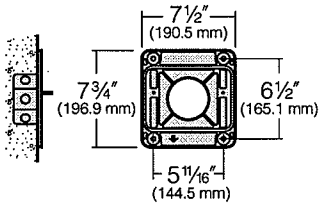
Maximum fixture weight (400HPS) = 43 lbs

WD14 Model
42 to 175 watt
Medium Base Lamps

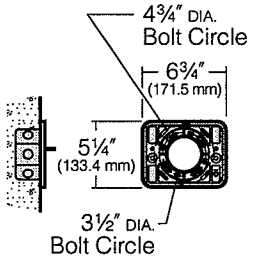


Maximum fixture weight (150HPS) = 26 lbs

Mounting Plates



WD18 Mounting Plate
Must be securely attached to wall outside the J-box perimeter



WD14 Mounting Plate
Attaches directly to any standard 4″ J-box (by others)

Reflector Housing: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling fins. Rotates against ballast housing to provide 10° of adjustment with degree markers cast into the housing. At 0° adjustment, lens is totally concealed from view above horizontal with fixture aimed downward.

Ballast Housing: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling fins. Fastens to mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on each side of housing frees the reflector housing to rotate for aiming. Tightening the screws locks the two housings together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.

Lens Frame: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral hinges and stainless steel pins. Two stainless steel quarter-turn fasteners secure lens frame to reflector housing with sealing provided by a one-piece extruded and vulcanized silicone gasket. Lens is clear flat 3⁄16″ thick tempered glass sealed to lens frame with a silicone gasket and retainer clips. For UP models, lens is mounted flush with frame for water run off, and is silicone sealed.

Type II, III, and IV Reflector Module: Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing by a no-tool quick-disconnecting hinge and fastener. For WD14 models all sockets are porcelain medium base rated 4KV. For WD18 models all sockets are mogul base with HPS and PMH rated 4KV, and MH versions have pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast. Available in three light distributions, all interchangeable within the same housing.

Wall Grazer Reflector Module: Specular Alzak® optical segment is rigidly formed into a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black louver vanes run parallel to the lamp arc for controlling the hot spot directly behind the fixture, and spill light into the atmosphere. For WD14 models all sockets are porcelain medium base rated 4KV. For WD18 models all sockets are porcelain mogul base with HPS and PMH rated at 4KV, and MH versions having pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Spot Reflector Module: Specular Alzak® optical spun parabola is rigidly mounted to a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black internal louvers are provided to control the beam and prevent hot spots directly behind the fixture and spill light into the atmosphere. For WD14 models all sockets are porcelain medium base rated 4KV. For WD18 models all sockets are mogul base with HPS and PMH rated 4KV, and MH versions have pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Electrical Components: High power factor ballasts are rigidly mounted inside the housing and are factory prewired with a quick-disconnect plug for mating to the socket. Starting temperatures are -40°F for HPS lamp modes and -20°F for MH and PMH lamp modes.

Mounting Plate: For WD14 models, mounting plate attaches directly to any standard 4″ junction box. For WD18 models, standard mounting plate is attached to wall (by others) outside the junction box perimeter. All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow fixture mounting by keyhole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry junction box.

Finish/Color: Finish is Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; A.S.T.M. 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available.

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.

Listings and Ratings		
UL cUL 1598	–	25C Ambient
IP66 Rated	CE	ISO 9001:2000

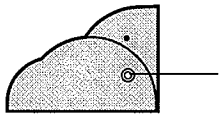
H1

Option Specifications

See pages 10-13 for complete ordering information

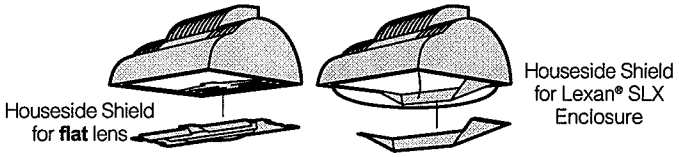
Base Socket (G12): Only available for 70W and 150W Pulse Start Metal Halide lamps.

Photocell Control: Factory installed inside housing with fully gasketed sensor on side wall.

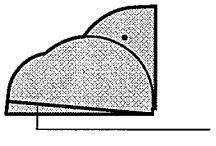


Houseside Shield (HS/HSC): Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the following amounts.

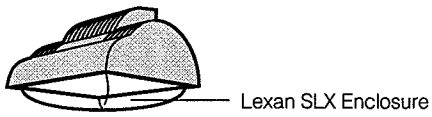
CAUTION: Do not use the Houseside Shield option with the Wall Grazer as it will interfere with the light distribution.



5° Shield (5DS): Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.



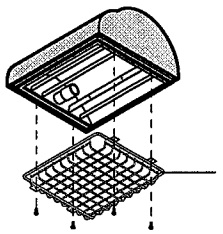
Lexan® SLX Enclosure (SX): For DOWN models only. Clear convex vacuum formed non-yellowing Lexan® SLX enclosure with gasket replaces standard tempered flat glass lens.



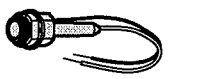
Wire Guard (WG): For use with all WD14 and WD18 fixtures, UP or DOWN. 11 ga. (.12″ dia.) BB Wire. (.75″ sq. welded mesh pattern.) Finish is Super TGIC thermoset polyester powder coat paint, over zinc plated wireform. Finished to match the fixture.

NOTE: Only available with flat lens applications.

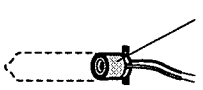
WG18 = 15″ x 14½″ x 1½″ deep.
WG14 = 11⅜″ x 10¼″ x 1½″ deep.



Fusing: High temperature fuse holders factory installed inside the fixture housing. Single fusing **(SF)** for 120V, 277V and 347V or Double fusing **(DF)** for 208V, 240V and 480V.

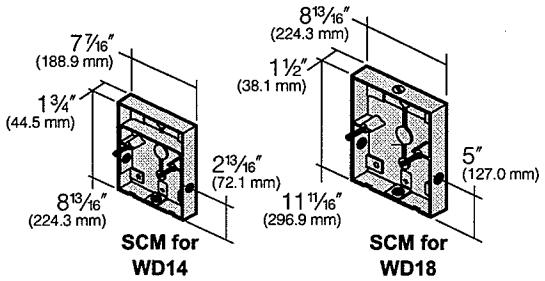


Quartz Standby (QS): Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 100W maximum for WD14, 150W maximum for WD18.

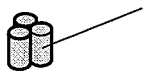


Surface Conduit Mounting (SCM): Cast aluminum junction box and fixture mount for attachment (by others) to existing walls, beams or columns. SCM18 has one ¾″ NPT conduit tap in each side, top and bottom. SCM14 has one ¾″ NPT conduit tap in each side and bottom only. Finished to match the fixture.

NOTE: Must be securely mounted to wall surface.



Optional Emergency Battery Back-up (EM): Internal battery pack provides 90 minutes of supplemental light at 750 lumens on 26, 32, or 42 watt compact fluorescent lamps. (Remote mounted battery pack also available for 57W, 60W, and 70W CFL - consult factory.)



Lamp and Electrical Guide

Lamp	Lamp Watts	ANSI Ballast Type	Life (Hours)	Initial Lumens	Voltage	Operating Amps.	Open Circuit	Starting Amps.	Max. Amps.
HIGH PRESSURE SODIUM									
70HPS T6 Clear G-12 Base / ED-17 Clear Medium Base	70	S-62	12000+ / 24000+	6600 / 6300	120	0.81	1.45	0.75	1.45
					208	0.47	0.85	0.45	0.85
					240	0.40	0.75	0.37	0.75
					277	0.35	0.65	0.35	0.65
					347	0.30	0.55	0.30	0.55
					480[6]	0.21	0.36	0.21	0.36
100HPS ED-17 Clear Medium Base	100	S-54	24000+	9500	120	1.15	2.20	1.30	2.20
					208	0.67	1.25	0.75	1.25
					240	0.58	1.10	0.65	1.10
					277	0.50	0.85	0.60	0.85
					347	0.39	0.70	0.45	0.70
					480[6]	0.29	0.55	0.35	0.55
150HPS T6 Clear, G12 Base	150	S-55	12000+	14000	120	1.65	2.80	2.00	2.80
					208	0.95	1.50	1.15	1.60
ED-17 Clear, Medium Base			24000+	16000	240	0.83	1.40	1.00	1.40
					277	0.72	1.25	0.85	1.25
E-18 Clear, Mogul Base			24000+	20000	347	0.58	0.96	0.65	0.97
					480[6]	0.42	0.70	0.50	0.70
250HPS ED-18 Clear Mogul Base	250	S-50	24000+	29000	120	2.50	1.70	1.65	2.50
					208	1.50	1.00	0.95	1.50
					240	1.30	0.95	0.80	1.30
					277	1.10	0.75	0.70	1.10
					347	0.93	0.70	0.60	0.93
					480	0.63	0.45	0.40	0.63
400HPS ED-18 Clear Mogul Base	400	S-51	24000+	51000	120	3.80	2.00	3.30	3.80
					208	2.20	1.20	1.80	2.20
					240	1.90	0.95	1.50	1.90
					277	1.70	0.85	1.40	1.70
					347	1.32	0.70	1.00	1.32
					480	0.97	0.55	0.75	0.97
METAL HALIDE									
175MH ED-17 Clear Medium Base / ED-28 Clear Mogul Base	175	M-57	10000+	15000	120	1.80	1.80	1.30	1.80
					208	1.04	1.04	0.75	1.04
					240	0.90	0.90	0.65	0.90
					277	0.80	0.80	0.55	0.80
					347	0.65	0.70	0.50	0.70
					480[6]	0.45	0.45	0.35	0.45
250MH BT-28 or ED-18 Clear Mogul Base	250	M-58	10000+	23000	120	2.60	2.60	1.00	2.60
					208	1.50	1.50	0.60	1.50
					240	1.30	1.30	0.50	1.30
					277	1.10	1.10	0.45	1.10
					347	0.95	1.05	0.50	1.05
					480	0.65	0.65	0.30	0.65
400MH ED-28 Clear Mogul Base	400	M-59	20000+	40000	120	3.94	3.20	2.50	3.94
					208	2.30	1.80	1.40	2.30
					240	1.93	1.60	1.20	1.93
					277	1.69	1.50	1.00	1.69
					347	1.40	1.05	1.20	1.40
					480	1.00	0.75	0.90	1.00
PULSE START METAL HALIDE									
50PMH[4] ED-17 Clear Medium Base	50	M-148/ M-110	20000+	4000	120	0.62	1.16	0.87	1.16
					208	0.40	0.67	0.51	0.67
					240	0.35	0.57	0.43	0.57
					277	0.32	0.50	0.32	0.50
					347	0.24	0.48	0.21	0.48
70PMH[4] ED-17 Clear Medium Base	70	M-143/ M-98	20000+	5900	120	0.80	1.90	0.55	1.90
					208	0.48	1.00	0.30	1.00
					240	0.40	0.90	0.28	0.90
					277	0.35	0.60	0.25	0.60
					347	0.28	0.65	0.20	0.65
					480[6]	0.23	0.50	0.26	0.50
100PMH[4] ED-17 Clear Medium Base	100	M-140/ M-90	20000+	8800	120	1.15	2.30	1.60	2.30
					208	0.66	1.40	0.80	1.40
					240	0.58	1.15	0.65	1.15
					277	0.50	1.00	0.60	1.00
					347	0.40	1.00	0.40	1.00
					480[6]	0.30	0.55	0.30	0.55
125PMH[4] ED-17 Clear Medium Base	125	M-150	10000+	10200	120	1.25	0.80	0.80	1.25
					208	0.75	0.45	0.45	0.75
					240	0.65	0.40	0.40	0.65
					277	0.55	0.35	0.35	0.55
150PMH[4] ED-17 Clear Medium Base	150	M-142/ M102	20000+	12800	120	1.80	3.65	1.75	3.65
					208	1.00	2.10	1.30	2.10
					240	0.80	1.80	0.85	1.80
					277	0.70	1.58	0.77	1.58
					347	0.55	1.26	0.65	1.26
					480[6]	0.42	0.81	0.45	0.81
200PMH T-15 Clear Mogul Base	200	M-136	15000+	19000	120	2.00	2.00	0.75	2.00
					208	1.20	1.20	0.40	1.20
					240	1.00	1.00	0.35	1.00
					277	0.85	0.85	0.30	0.85
					347	0.70	0.65	0.25	0.70
					480	0.50	0.50	0.18	0.50
250PMH ED-28 Clear Mogul Base	250	M-138	15000+	23750	120	2.50	1.40	1.90	2.50
					208	1.45	0.80	1.10	1.45
					240	1.25	0.70	0.96	1.25
					277	1.10	0.65	0.85	1.10
					347	0.98	0.75	0.45	0.98
					480	0.60	0.62	0.32	0.62

Lamp	Lamp Watts	ANSI Ballast Type	Life (Hours)	Initial Lumens	Voltage	Operating Amps.	Open Circuit	Starting Amps.	Max. Amps.
PULSE START METAL HALIDE (continued)									
300PMH T-15 Clear Mogul Base / ED-28 Clear Mogul Base	300	M-151	20000+	28000	120	2.95	4.70	3.65	4.70
					208	1.80	2.75	2.20	2.75
					240	1.55	2.35	1.85	2.35
					277	1.35	2.05	1.60	2.05
					347	1.00	1.60	1.65	1.65
					480	0.75	1.20	0.85	1.20
320PMH ED-28 Clear Mogul Base	320	M-154/ M132	20000+	30000	120	3.65	2.30	1.80	3.65
					208	1.90	1.35	1.05	1.90
					240	1.65	1.15	0.90	1.65
					277	1.40	1.00	0.80	1.40
					347	1.10	0.80	0.70	1.10
					480	0.80	0.60	0.45	0.80
350PMH ED-28 Clear Mogul Base	350	M-131	20000+	33000	120	3.40	2.20	2.20	3.40
					208	2.00	1.30	1.30	2.00
					240	1.70	1.10	1.10	1.70
					277	1.50	1.00	1.00	1.50
					347	1.20	0.80	0.85	1.20
					480	0.85	0.60	0.60	0.85
400PMH ED-28 Clear Mogul Base	400	M-135	15000+	40000	120	3.80	2.20	2.85	3.80
					208	2.20	1.50	1.65	2.20
					240	1.90	1.10	1.45	1.90
					277	1.65	0.95	1.25	1.65
					347	1.35	0.75	1.10	1.35
					480	1.00	0.60	0.75	1.00
COMPACT FLUORESCENT[1]									
42PL Coated GX24q-4 Base	42	–	12000	3200	120	–	–	–	0.39
					208	–	–	–	0.23
					240	–	–	–	0.20
					277	–	–	–	0.17
57PL[2] Coated GX24q-5 Base	57	–	12000	4300	120	–	–	–	n/a
					208	–	–	–	n/a
					240	–	–	–	n/a
					277	–	–	–	n/a
60PL[3] Coated 2G8-1 Base	60	–	20000	4000	120	–	–	–	n/a
					208	–	–	–	n/a
					240	–	–	–	n/a
					277	–	–	–	n/a
70PL[2] Coated GX24q-6 Base	70	–	12000	5200	120	–	–	–	n/a
					208	–	–	–	n/a
					240	–	–	–	n/a
					277	–	–	–	n/a
85PL[2,3] Coated 2G8-1 Base	85	–	20000	6000	120	–	–	–	0.82
					208	–	–	–	0.48
					240	–	–	–	0.41
					277	–	–	–	0.36
INDUCTION FLUORESCENT									
85IF[2,3] Induction Lamp	85	–	Electronic	6000	120	–	–	–	0.73
					208	–	–	–	0.38
					240	–	–	–	0.38
					277	–	–	–	0.38

[1] Multiple CFL lamp configurations (ie, two 42W lamps) are possible with certain optical systems. Consult factory for details.

[2] 85W CFL and IF lamps available for WD18 only. Not recommended for all distribution types.

[3] Remote battery pack and test switch available for 57W, 60W, and 70W CFL lamps - consult factory. "EM" option not available with 85W CFL, 55W IF, or 85W IF lamps.

[4] Lamp and electrical data supplied for reference purposes only. All initial lumen values shown may vary from one manufacturer to another. Consult lamp manufacturer's data for exact lumen and life data.

[6] 480 volt with medium base lamp sockets may require approval by the local building code authority.

[5] **CAUTION:** All manufacturers of metal halide lamps recommend turning them off for 15 minutes once per week when under continuous operation. This will reduce the risk of arc tube rupture at end of life. Also, color temperature may differ between manufacturers of metal halide lamps. See lamp manufacturers' specification sheets.

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

For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.

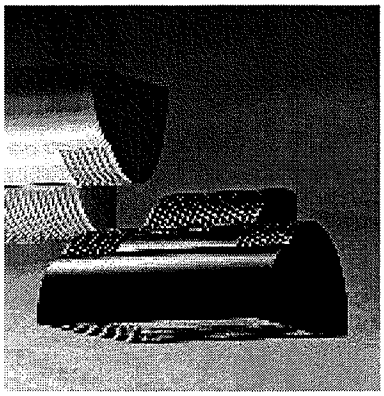
Lamps by others.

Application Engineering Services

Applications Assistance: Kim Lighting utilizes the latest computer technology and software to provide specifiers with reliable evaluations of lighting system performance. Kim can analyze a proposed luminaire layout or provide recommendations based on performance criteria. Hard copies of plans can be sent directly to the Kim Applications Department via fax, express, or regular mail. Any .dwg or .dxf file can be transmitted via email (kim.apps@kimlighting.com), or placed on CD and forwarded to Kim Lighting, c/o Applications Dept.

Photometric Files: Kim photometric files are available free in both electronic and hard copy format. Electronic photometric files include .pdf file format pages for printing and .ies files for use in lighting calculation software. The .ies / .pdf library is available on CD and on the internet at **www.kimlighting.com**.

H1



Photometric Report (Type C)

Filename: WD14-2-070M-HS.ies
[TEST] KL00729
[ISSUEDATE] 06_15_04
[MANUFAC] KIM LIGHTING
[LUMCAT] WD14x2_70MHxxx_xx_HS
[LUMINAIRE] WALL DIRECTOR WALL MOUNTED LUMINAIRES DIE CAST ALUM_ REFLECTOR SYSTEM WITH SPECU
[LAMP] 70 WATT CLEAR, MH ED17 MEDIUM BASE LAMP, HORIZONTAL POSITION, RATED AT 5900 INITIAL I

Maximum Candela = 3272 at 75 H 66.1 V

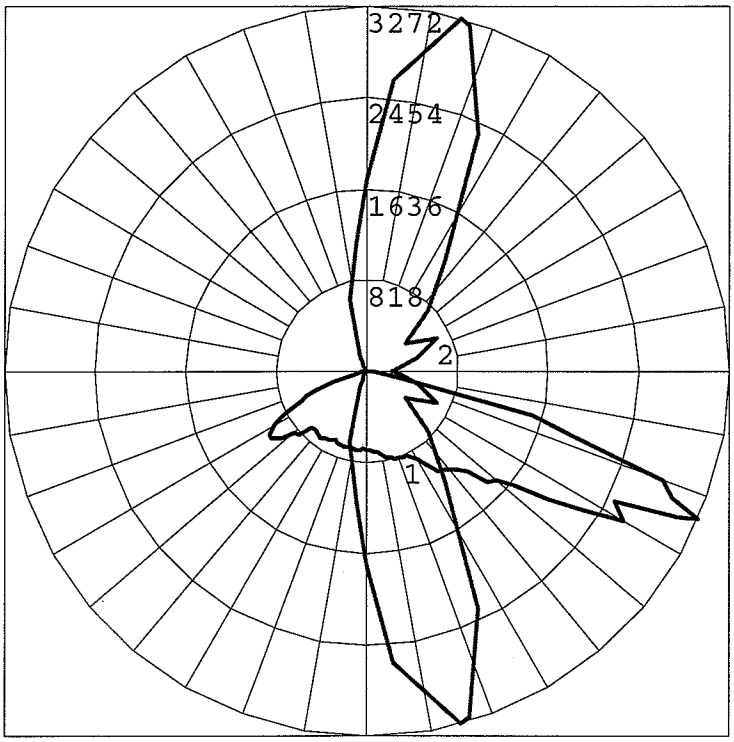
Classification:

Road Classification: Type II, Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 75 - 255 Horizontal

Horizontal Cone Through:
2) 66.1 Vertical

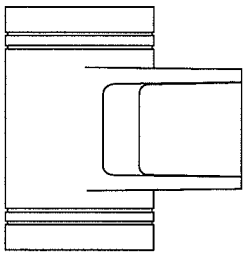


Notes:

Job:

Type: HZ

CYLINDERS



301 LINE UP/DOWN

GENERAL DESCRIPTION: The Gardco 301 LINE is a series of high performance up/down wall mounted cylinders. Each luminaire utilizes a single high intensity discharge lamp and provides illumination above and below. Housings are diecast aluminum with twin architectural reveals at both the lower and upper apertures. Six (6) downlight and two (2) uplight optical systems are available. The unique optional "Spike" downlight and/or uplight distribution creates a dramatic narrow stripe of illumination on the wall or column. Luminaires are finished with a fade and abrasion resistant polyester powder coat offered in 5 standard colors. 301D luminaires provide downlight only.

CUTOFF PERFORMANCE: 301D luminaires provide full cutoff performance.

ORDERING

PREFIX	MODEL	MOUNTING	TRIMS	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: 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

301 Uplight and Downlight

301D Downlight Only

MODEL

E Fully Enclosed

O Open Downlight

MOUNTING

W Wall Mount

TRIMS

Fully Enclosed "E" Units Only

L Obscuring lens on uplight and downlight (300.) Obscuring lens on downlight (301D.) Soft symmetrical distributions.

LL Egg crate louvers and obscuring lens on downlight (301,301D.) Obscuring lens on uplight (301.)

SD Spike downlight distribution (301, 301D.) Obscuring lens on uplight (301.)

SU Spike uplight distribution, with obscuring lens on downlight (301.) Not Available in 301D.

SB Spike uplight and downlight distributions (301.) Not available in 301D.

FT Forward throw downlight distributions (301, 301D.) Soft uplight glow (301.) FT Trims utilize T6 lamps. Lamps are supplied with the luminaire.

Open Downlight "O" Units Only

R Reflector produces medium downlight distribution with sharp cutoff to lamp and images(301, 301D.) Obscuring lens on uplight (301.)

B Black baffled downlight (301, 301D.) Obscuring lens on uplight (301.)

WATTAGE

Fully Enclosed "E" Units (N/A with FT Trims)	Open Downlight "O" Units
50MH[1]	50MH[1]
70MH	70MH
100MH	100MH
150MH	150MH
50HPS	50HPS
70HPS	70HPS
100HPS	100HPS
150HPS[2]	150HPS

FT Trims Only

T70MH

T150MH

MH Metal Halide
HPS High Pressure Sodium

1. N/A with 347V.
2. Contact factory for availabilty of 150HPS with SD, SU or SB Trims.

VOLTAGE

120
208
240
277
347

FINISH

BRP	Bronze Paint	**OC**	Optional Color Paint *Specify RAL designation ex: OC-RAL7024.*
BLP	Black Paint		
WP	White Paint		
NP	Natural Aluminum Paint		
BGP	Beige Paint		
VP	Verde Green Paint	**SC**	Special Color Paint *Specify. Must supply color chip.*

OPTIONS

F	Fusing
RCA	Round Column Mounting Adapter
WS	Wall Mounted J-Box for Surface Conduit

A Genlyte Company

Gardco Lighting
1611 Clovis Barker Road
San Marcos, TX 78666

800/227-0758
512/753-1000
Fax: 512/753-7855
www.sitelighting.com

GARDCO LIGHTING

79115-112/0607

H2

CYLINDERS

301 LINE UP/DOWN

SPECIFICATIONS

HOUSINGS:
Housings are single-piece diecast aluminum cylindrical forms with integral side wall mounting canopy / ballast chambers. Provided mounting brackets are galvanized steel.

OPTICAL SYSTEMS: 301, 301D
Lens (L): The uplight and downlight components both utilize twin (four total per luminaire) spun specular Alzak reflectors which provide the symmetrical distributions. The uplight-obscuring lens (301) is flush mounted and the downlight-obscuring lens is regressed. The lenses soften the distribution and conceal the optical system and internal hardware. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Louvers (LL): Diecast aluminum egg crate louvers are installed over the downlight-obscuring lens. All other optical elements are as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Spike Downlight (SD): Inner and outer spun specular Alzak reflectors provide a very narrow spot beam at nadir. Uplight optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Spike Uplight (SU): Inner and outer spun specular Alzak reflectors provide a very narrow spot at zenith. Downlight optical system is as described in the Lens (L) option. Not available in the 301D.

Spike Both Uplight and Downlight (SB): Two sets of inner and outer spun specular Alzak reflectors provide very narrow spot beams at nadir and zenith. Not available in the 301D.

Reflector (R): Spun specular Alzak reflector produces a medium symmetrical downlight distribution with sharp cutoff to lamp and lamp images. Uplight optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Baffle (B): Upper spun specular Alzak reflector and lower black baffle produce a medium symmetrical downlight distribution with exceptional control of high angle brightness. Uplight optical system (301) is as described in the Lens (L) option. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

Forward Throw (FT) Faceted specular Alzak reflector system produces an asymmetric forward projecting distribution. Secondary optical system (301) with obscuring lens produces a soft uplight glow. 301D luminaires provide downlight only with the uplight lens replaced with an aluminum insert.

ELECTRICAL:
All luminaires utilize magnetic HID ballasts that are high power factor and designed for reliable lamp starting to -20° F. Pulse rated sockets are glazed porcelain with nickel plated screw shells.

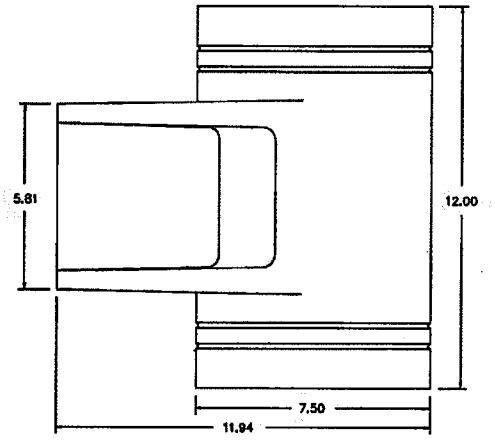
FINISH:
Each luminaire receives a fade and abrasion resistant electrostatically applied, thermally cured, (TGIC) polyester powder coat finish. Standard finishes are textured.

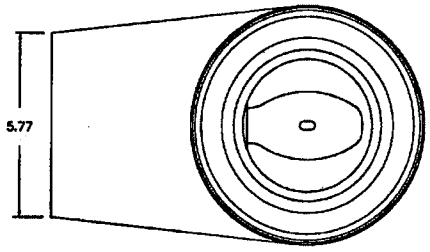
LABELS: All luminaires bear UL or CUL (where applicable) Wet Location labels.

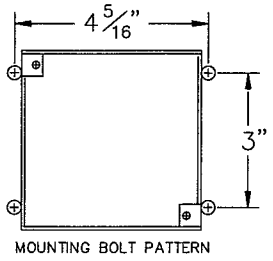
FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

DIMENSIONS AND MOUNTING DETAIL







MOUNTING BOLT PATTERN

Genlyte Thomas Group LLC

Gardco Lighting
2661 Alvarado Street
San Leandro, CA 94577

800/227-0758
510/357-6900 in California
Fax: 510/357-3088
www.sitelighting.com

GARDCO LIGHTING

H2

Photometric Report (Type C)

Filename: 31SU15M.ies
[TEST] 00-7018
[ISSUEDATE] 3_30_2000
[MANUFAC] GARDCO LIGHTING
[LUMCAT] 301-SU-150MH
[LUMINAIRE] CLEAR LENS UP, DIFFUSING LENS DOWN
[LAMP] CLEAR 150MH PRORATED TO 1000 LUMENS

Maximum Candela = 3118.2 at 0 H 180 V

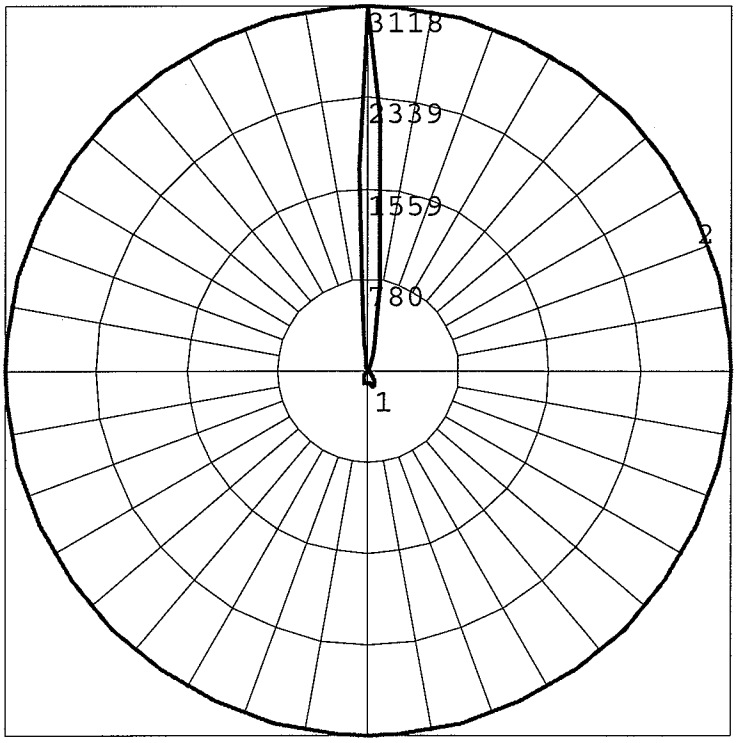
Classification:

Road Classification: Type IV, Very Short, Non-Cutoff
Indoor Classification: Semi-Direct

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

Horizontal Cone Through:
2) 180 Vertical



L1

Nimbus

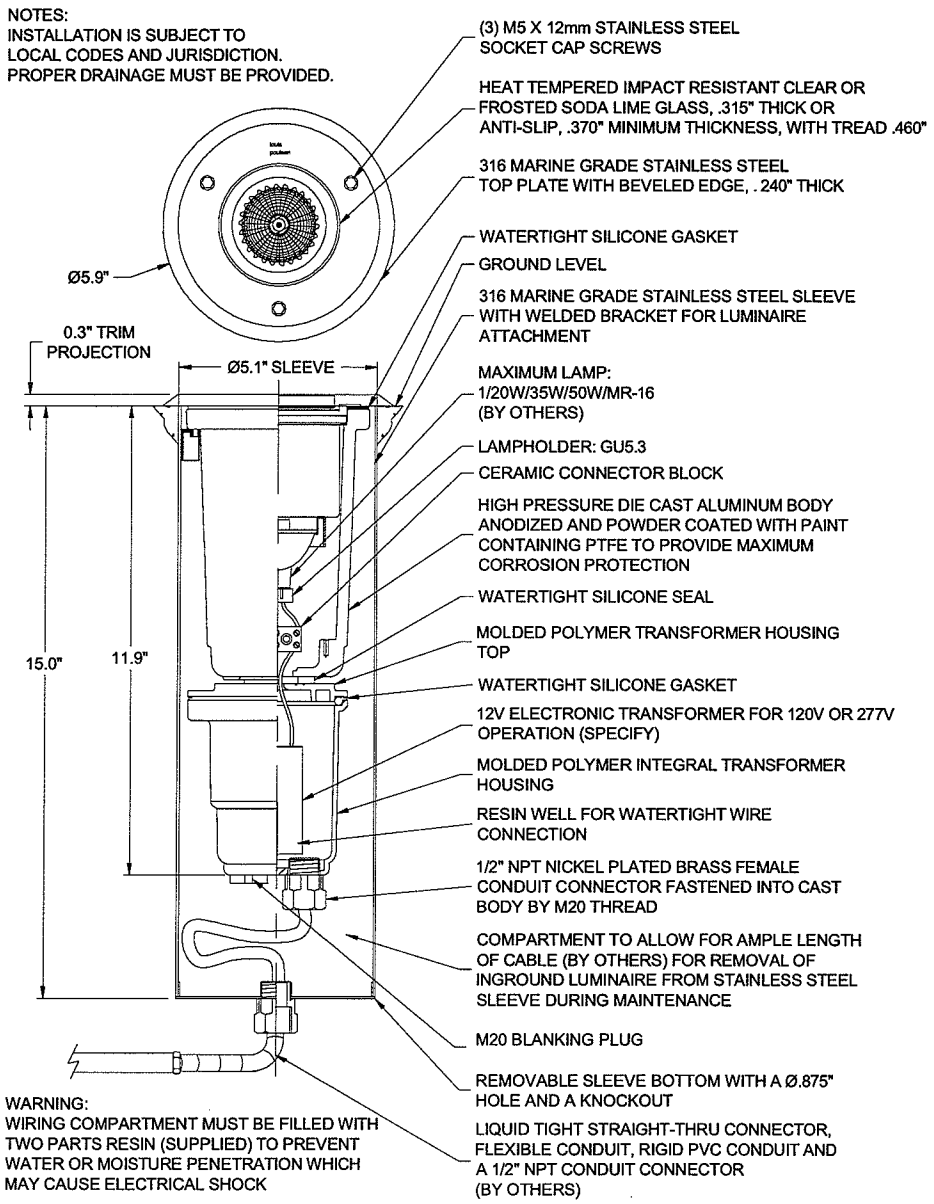
halogen

Design: Louis Poulsen

Type:

Project:

Catalog Number:



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louis poulsen

Louis Poulsen Lighting, Inc., 3260 Meridian Parkway, Fort Lauderdale, FL 33331 Telephone: (954) 349-2525 Fax: (954) 349-2550

www.louispoulsen.com

H3

Wall mounted downlight luminaires with shielded light sources

Type:
BEGA Product #:
Project:
Voltage:
Color:
Options:
Modified:

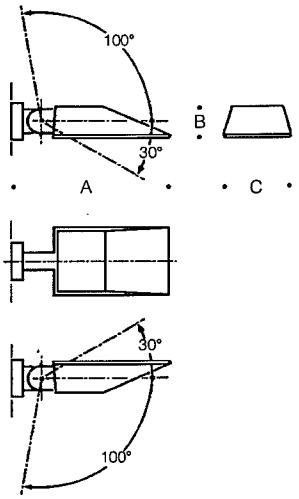
Housing: One piece die cast aluminum with integral arm and canopy supplied with a universal mounting bracket for direct attachment to a 3½" or 4" octagonal wiring box. A die cast aluminum round "rotation" plate allows the housing to be precisely leveled (or rotated) after installation.

Enclosure: Clear tempered glass with twin main beam specular anodized aluminum reflector held by a die cast aluminum hinged door secured with captive stainless steel fasteners threaded into stainless steel inserts. Fully gasketed for weather tight operation using a molded silicone rubber "U-channel".

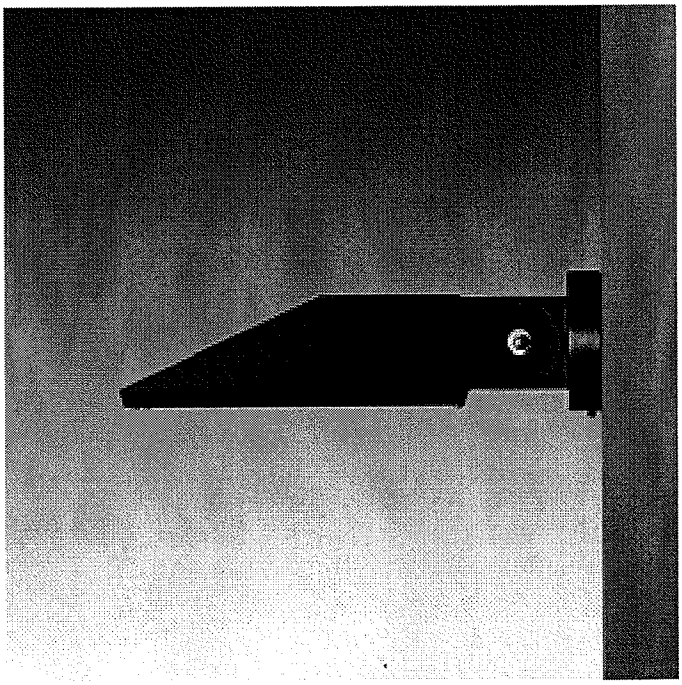
Electrical: Lampholders: H.I.D. are single ended G12 base bi-pin with nickel plated contacts supplied with 180°C leads. Ballasts: H.I.D. are electronic, universal voltage -120V through 277V.

Finish: These luminaires are available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. For complete description of BEGA finishing process, refer to technical information section at end of catalog. Custom colors supplied on special order.

U.L. listed, suitable for wet locations. Protection class: IP 65.



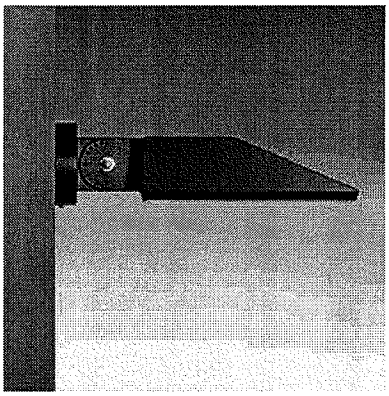
Surface mounted luminaires with forward throw floodlighting distribution.
Any mounting orientation.
U.L. listed, suitable for wet locations. IP 65.
Color: Standard BEGA finishes.



		Lamp		Lumen	A	B	C
7475MH	Surface washer	1	70W T6 G12 MH	6600	19	4	8⅞

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805·684·0533 [F] 805·684·6682

H3



Photometric Report (Type C)

Filename: 7475MH.PDE
[TEST] BE1905
[ISSUEDATE] 07-15-02
[MANUFAC] BEGA-US
[LUMCAT] 7475MH
[LUMINAIRE] SURFACE MOUNTED LUMINAIRE W_FORWARD THROW FLOODLIGHTING DISTRIBUTION,CLEAR TEMPE
[LAMP] (1) 70W T6 G12 MH

Maximum Candela = 4357.97993702888 at 15 H 57.5 V

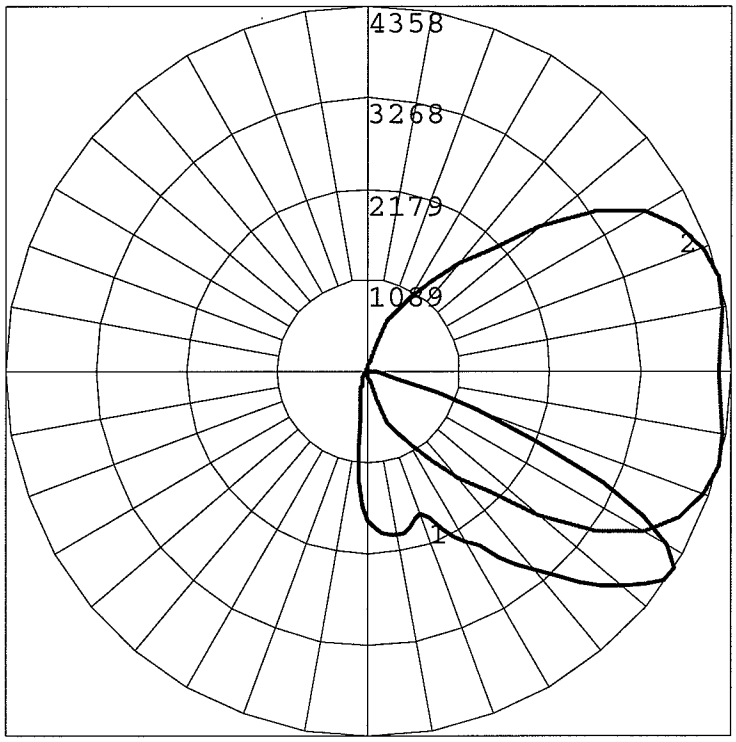
Classification:

Road Classification: Type III, Very Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 15 - 195 Horizontal

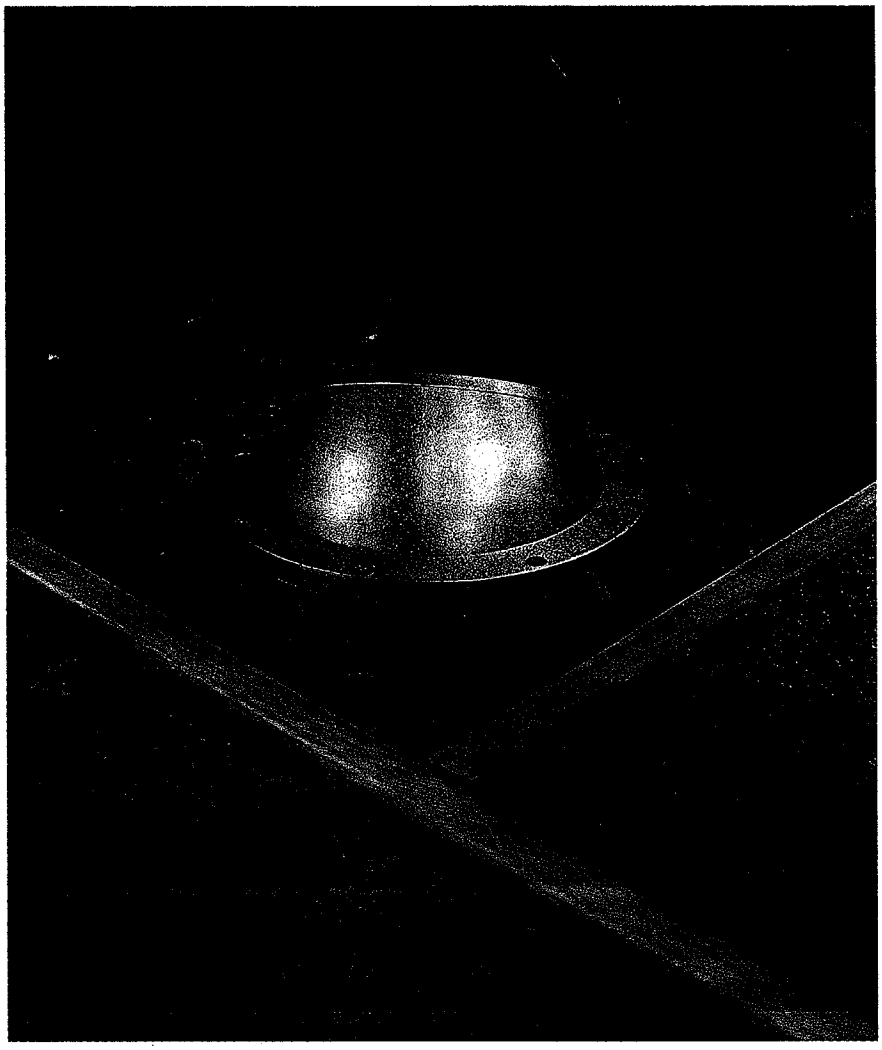
Horizontal Cone Through:
2) 57.5 Vertical



Specifications

H4

LTV730 Series Bronze Housing Accent or Wall Wash
LTV30 Series Composite Housing Accent or Wall Wash



Eyeball Retaining Ring: Cast bronze, natural finish. Eight captive 5/16" blackened stainless steel hex-socket cap screws.

Eyeball: Cast bronze, natural finish. 360° rotation within retaining ring. Holds optical assemblies at 30° from vertical.

Lens Ring: Cast bronze, natural finish, beveled for water runoff. Four captive 1/4" blackened stainless steel hex-socket cap screws.

Lens: Clear tempered flat glass, 3/16" thick.

Lens Gasket: One-piece molded silicone, U-channel wraps completely around lens edge.

Bronze Housing: Two-piece cast bronze, 3/16" min. wall thickness upper and lower housing continuously soldered together. No top lip to trap dirt and moisture. Separate splice and ballast compartments, individual cast aluminum internal covers with one-piece molded silicone gaskets. Two 3/4" NPT in bottom of 33 cu in. splice area. Modular reverse draft housing design (top smaller than largest bottom diameter).

Composite Housing: High temperature, compression molded, fiberglass impregnated, 3/16" min. wall composite. Charcoal gray. No top lip to trap dirt and moisture. Solid brass knurled inserts molded-in to receive retaining ring screws. Separate splice and ballast compartments, individual cast aluminum internal covers, with silicone gaskets. Two 3/4" NPT in bottom, 33 cu in. splice area. Modular reverse draft design (top dia. smaller than bottom), body and ballast modules epoxy bonded.

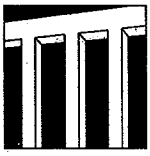
Optical System: SP and **NF** - Spot or Narrow Flood spun aluminum reflectors, specular Alzak®, black Duranodic® arc tube glare shield on SP only. **PR** - for PAR38 reflector lamps. All optical systems yoke mounted, 360° rotation, ±15° vertical adjustment (15° to 45° from 0° vertical), locking screws, black hi-temp finish gimble ring. **WW** - one-piece hydroformed reflector, specular Alzak®, 360° rotation and screw locks, Wall Wash distribution. All medium base sockets rated 4KV; mini-can socket for halogen lamps.

Electrical Module: High power factor ballast, -20°F starting, factory mounted to gasketed compartment cover, LTV730 / LTV30 and LTV732 / LTV32 only.

Wiring: Anti-siphon barriers on all wiring to and from ballast compartment. All components wire linked for ground, quick-disconnect for removal of optical system.

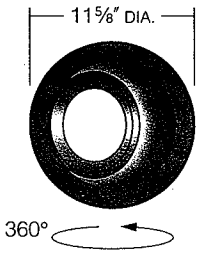
Certification: UL Listed to U.S. and Canadian safety standards for wet locations. Fixture manufacturer shall employ a quality program that is certified to meet ISO 9001:2000 standard.

SP, NF, or PR OPTICAL SYSTEM



Architectural Accent

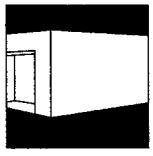
Trees



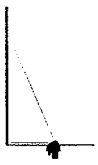
Optical Adjustment

WW OPTICAL SYSTEM

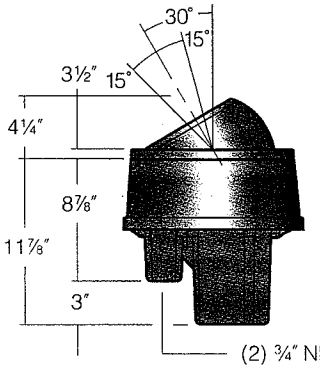
Signs

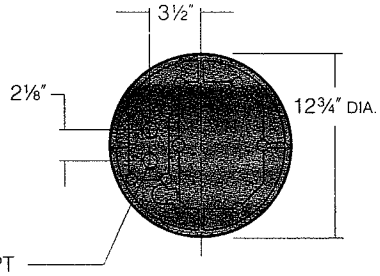


Facades



LTV730 / LTV30 series fixtures are designed for applications requiring additional lamp tilt. Greater fixture setback from the lighted object is allowed, producing a flatter lighting effect.





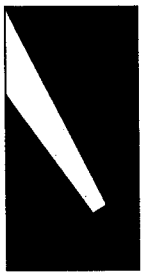
Ordering Information

Ordering Example: **LTV732** / **WW** / **150HPS277** / **GM30**
Fixture Optics Lamp Mode Options

Fixture

LTV730
Bronze Housing
H.I.D.
Accent

LTV30
Composite Housing
H.I.D.
Accent



Optics

SP Spot

NF Narrow Flood

Yoke mounted reflector and medium base socket for ED-17 H.I.D. lamp.

PR PAR Lamp

Yoke mounted medium base socket for PAR38 H.I.D. reflector lamp.

Lamp Mode[1]

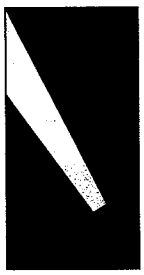
70MH120 **150MH120** **70HPS120[2]**
70MH208 **150MH208** **70HPS208[2]**
70MH240 **150MH240** **70HPS240[2]**
70MH277 **150MH277** **70HPS277[2]**
70MH347 **150MH347** **70HPS347[2]**

100MH120 **175MH120** **100HPS120[2]**
100MH208 **175MH208** **100HPS208[2]**
100MH240 **175MH240** **100HPS240[2]**
100MH277 **175MH277** **100HPS277[2]**
100MH347 **175MH347** **100HPS347[2]**

150HPS120[2]
150HPS208[2]
150HPS240[2]
150HPS277[2]
150HPS347[2]

LTV731
Bronze Housing
Halogen
Accent

LTV31
Composite Housing
Halogen
Accent



Optics

PR PAR Lamp

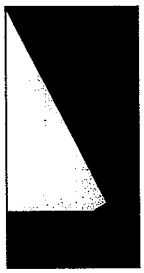
Yoke mounted medium base socket for PAR38 halogen reflector lamp.

Lamp Mode[1]

250HAL120
250W maximum,
lower wattage lamps may be used.

LTV732
Bronze Housing
H.I.D.
Wall Wash

LTV32
Composite Housing
H.I.D.
Wall Wash



Optics

WW Wall Wash

Hydroformed reflector and medium base socket for ED-17 H.I.D. lamp.

Lamp Mode[1]

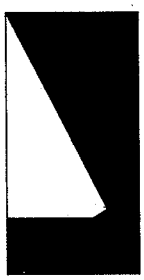
70MH120 **150MH120** **70HPS120**
70MH208 **150MH208** **70HPS208**
70MH240 **150MH240** **70HPS240**
70MH277 **150MH277** **70HPS277**
70MH347 **150MH347** **70HPS347**

100MH120 **175MH120** **100HPS120**
100MH208 **175MH208** **100HPS208**
100MH240 **175MH240** **100HPS240**
100MH277 **175MH277** **100HPS277**
100MH347 **175MH347** **100HPS347**

150HPS120
150HPS208
150HPS240
150HPS277
150HPS347

LTV733
Bronze Housing
Halogen
Wall Wash

LTV33
Composite Housing
Halogen
Wall Wash



Optics

WW Wall Wash

Hydroformed reflector and socket for T-4 halogen mini-can lamp.

Lamp Mode[1]

250HAL120
250W maximum,
lower wattage lamps may be used.

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[1] **150HPS277**
- **150** — Line Volts
- **HPS** — Lamp Type:
  - **MH** = Metal Halide
  - **HPS** = High Pressure Sodium
  - **HAL** = Halogen
- **277** — Lamp Watts

Lamps by others - see pages **48-49** for lamp guide.

[2] **HPS** not available for **PR** Optics.

Options (See pages **24-25**)

TR10
Trim Ring for flush mounting in concrete, brass.

GM30
Grout Mask for fixture support during concrete pour, galvanized steel.
TR10 Trim Ring Included.

Colored Lens
Replaces standard clear lens.

RT30
Rose

AM30
Amber

RD30
Red

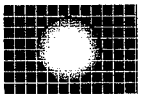
BF30
Blue

GR30
Green

Hex Cell Louver[3,4]

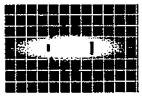
HL30
Installs behind main lens.
(See page **25**)

Prismatic Lens[5]



PL30
Installs behind main lens.
(See page **25**)

Spread Lens[5]



SL30
Installs behind main lens.
(See page **25**)

[3] Not for use with LTV732 / LTV32 or LTV733 / LTV33 optical systems.

[4] Not for use with PL30 or SL30 lenses.

[5] Not for use with HL30 louver.

H4

Photometric Report (Type C)

Filename: L30sp070m.ies
[TEST] KL00215
[ISSUEDATE] 1_8_2003
[MANUFAC] KIM LIGHTING
[LUMCAT] LTV30_SP_70MHxxx_xx
[LUMINAIRE] LIGHTVAULT IN-GRADE LUMINAIRE HEAVY DUTY BRONZE TRIM RING, CLEAR TEMPERED GLASS
[LAMPCAT] MH 70
[LAMP] 70 WATT ED-17 MH CLEAR MED_ BASE DOWN

Maximum Candela = 57924 at 0 H 180 V

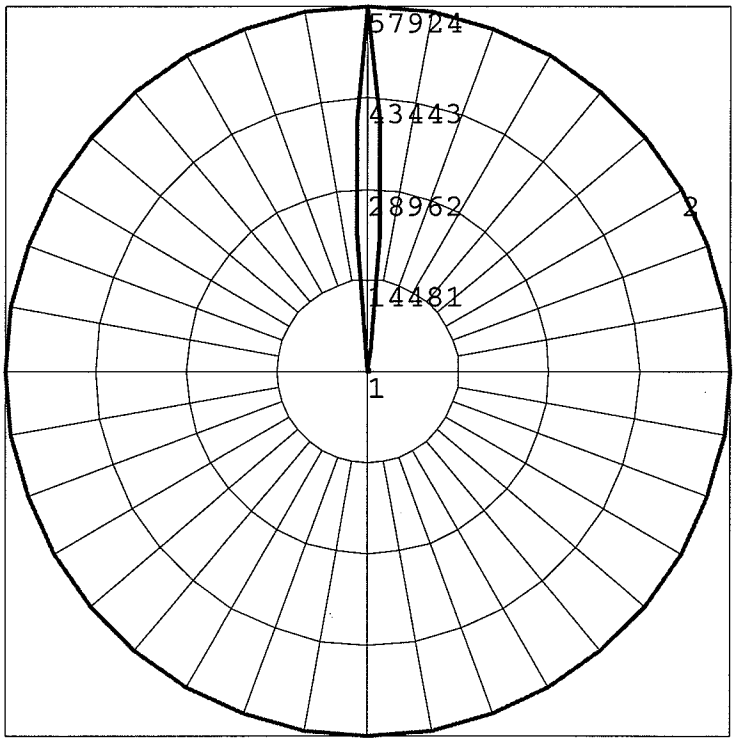
Classification:

Indoor Classification: Indirect

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

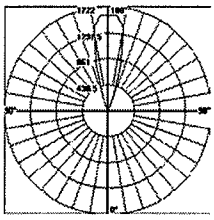
Horizontal Cone Through:
2) 180 Vertical



Nimbus

inground & onground

halogen



Photometric Report: Nimbus-2-Part-Clear Top Plate-50W-MR16.IES
Report No.: LP4222a
Poulsen Report No.: Nimbus-2-Part-Clear Top Plate-50W-MR16.IES
Luminaire: Nimbus-2-Part-Clear Top Plate-50W-MR16
Lamp: 1/50W/12V/38
Efficiency: 55.8%
Description: All data shown are per 932 lumens. This report can be used for calculation on all versions listed below. Use only actual lumen data when calculating.

Candlepower Distribution

Vertical Angle	Candela
0	1.8
10	1.6
40	0
70	0
110	0.3
120	0.8
130	2.5
140	5.5
150	20.3
160	249
170	1405
180	1576

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-30	0.62	0.1	0.1
0-40	0.76	0.1	0.1
0-60	0.76	0.1	0.1
0-90	0.76	0.1	0.1
90-120	2.97	0.3	0.6
90-130	4.39	0.5	0.8
90-150	16.1	1.7	3.1
90-180	519.49	55.7	99.9
0-180	520.25	55.8	100.0

Design
Louis Poulsen Lighting A/S

Concept
Nimbus creates distinct accent illumination. The choice of light source and its ability to tilt, determine the characteristics of the light. Nimbus is suitable for setting scenes, creating drama and highlighting architectural features.

Finish
Stainless steel.

Material
Sleeve: Marine grade 316 stainless steel. Glass: Tempered anti-slip glass, tempered clear glass or tempered frosted glass. Top plate: Marine grade 316 stainless steel. Housing: Anodized and powder coated paint containing PTFE, die cast aluminum. Transformer housing: Grey, injection molded PEI.

Mounting
Sleeve: Recommended mounting in supplied installation sleeve. Inground: Suitable for burial in earth/gravel or cast into concrete.

Weight
Max. 7 lbs.

Label
cUL, Wet location. IBEW.

Product code	Light source	Voltage	Finish	Diff./Encl./Glass	Top plate style	Body
NIMBUS	1/20W/35W/50W/MR16 GU5.3	120/12V 277/12V	ST STEEL	ANTI-SLIP CLEAR FROSTED	BEVELED STRAIGHT	2-PART LOW HEAT

Info notes:
I. 120/12V or 277/12V is provided with one electronic transformer.
II. Please refer to page 240 for product/accessory compatibility.
III. Internal tilt mechanism allows 10° from center, and 360° rotation after installation.
IV. The comparable EU version has the following classification: Ingress Protection Code: IP67.

Photometric Report (Type C)

Filename: 90150006.ies
[TEST] 6107777031 Louis Poulsen Lighting A_S
[ISSUEDATE] Dec 20 2000 12_00AM - Mikkel Schou Halberstadt
[MANUFAC] Louis Poulsen Lighting A_S
[LUMCAT] 6107777031
[LUMINAIRE] Nimbus

Maximum Candela = 729 at 0 H 180 V

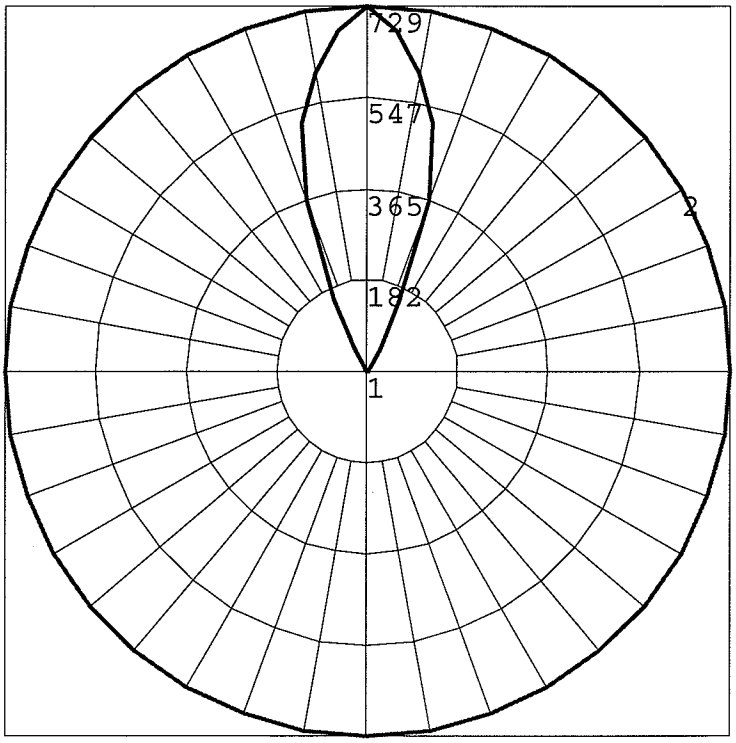
Classification:

Indoor Classification: Indirect

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

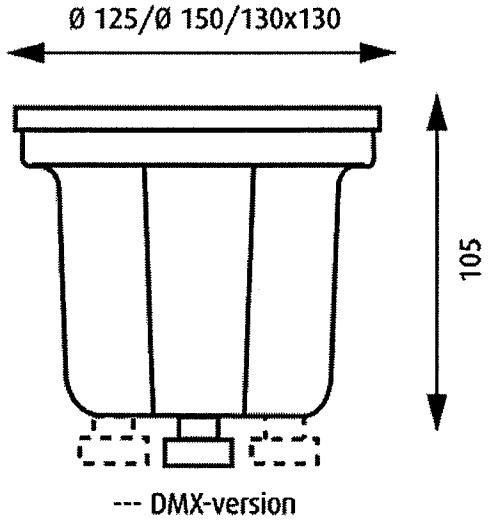
Horizontal Cone Through:
2) 180 Vertical

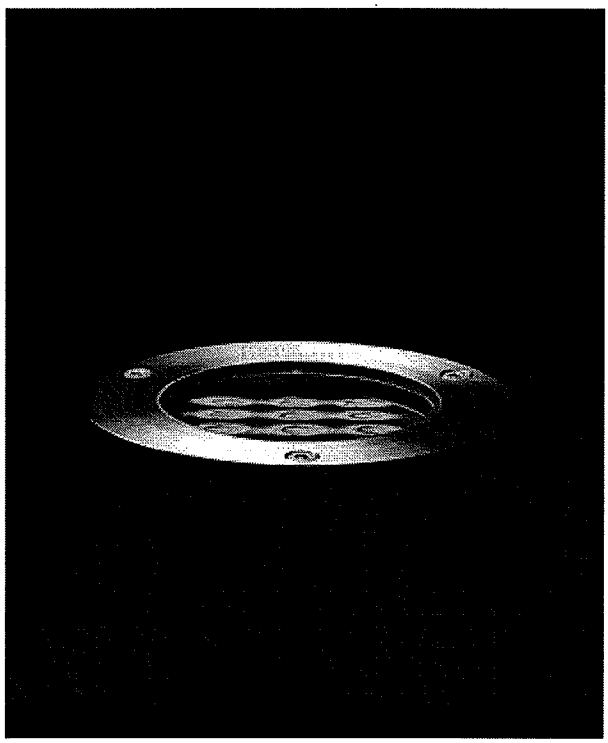


L2

Nimbus Power LED

Design: Louis Poulsen Lighting A/S





Nimbus Power LED provides colour, accent and marker illumination, and sets scenes, creating drama and highlighting architectural features.

Finish
Stainless steel.

Material
Sleeve: Marine grade 316 stainless steel. Glass: Toughened clear glass. Top plate: Marine grade 316 stainless steel. Housing: Teflon coated, aluminium coloured, die cast aluminium.

Mounting
Sleeve: Recommended mounting in optional installation sleeve. Installation sleeve (Ø 129x137mm) to be ordered separately. Ø 125mm is mounted in level with the ground. Ø 150mm is mounted on the ground. Terminal block: 2x3x2.5mm². Cable entries: Standard: 1x M20 IP68 gland for Ø 6-12mm cable. DMX: 3x M20 IP68 glands for Ø 6-12mm cable. Inground: Suitable for mounting in wood, burial in earth/pea shingle, or cast into concrete.

Weight
Max. 2kg.

Class
Ingress protection IP67. Electric shock protection I w. ground.

Specification

1 | Product code
NIMPOW-A

2 | Dimensions
Ø 125 STRAIGHT
Ø 150 STRAIGHT
Ø 150 BEVELLED
130X130 STRAIGHT

3 | Light source
9 LED Amber Nom. load 9W
9 LED Blue Nom. load 9W
9 LED Green Nom. load 9W
9 LED Red Nom. load 9W
9 LED RGB Nom. load 9W
9 LED White Nom. load 9W

4 | Finish
STAINL STEEL

5 | Lighting control
NOT APPLICABLE
DMX

Variant notes:
RGB only available as DMX.

Info notes:
For specifications on LED types please consult your local Louis Poulsen Lighting supplier. The Ø 125mm top plate is with straight edge, whereas the Ø 150mm top plate has got a bevelled edge. The 130mm square plate has a straight edge. Polycarbonate top plate available on request. DMX: Delivered as DMX Controlable. Special DMX cables available from Louis Poulsen Lighting. Square bevelled top plates available on request. Emergency versions available on request. Please use Ø 150mm sleeve for both Ø 150mm and 130x130mm fittings.

L2

Photometric Report (Type B)

Filename: nimbus power led white clear ITL56879.IES
[TEST] ITL56879
[ISSUEDATE] 11_02_05
[MANUFAC] LOUIS POULSEN LIGHTING, INC_
[LUMCAT] NIMBUS_HIGH POWER LED WHITE_ST_STEEL_CLEAR_STRAIGHT
[LUMINAIRE] CAST METAL HOUSING, FABRICATED SPECULAR SEGMENTED METAL BAND AROUND LED ASSEMBLY
[LAMP] NINE WHITE LIGHT EMITTING DIODES (LED'S), EACH LED HAS A CLEAR CONICAL PLASTIC REFRAC

Maximum Candela = 3251 at 0 H 0 V

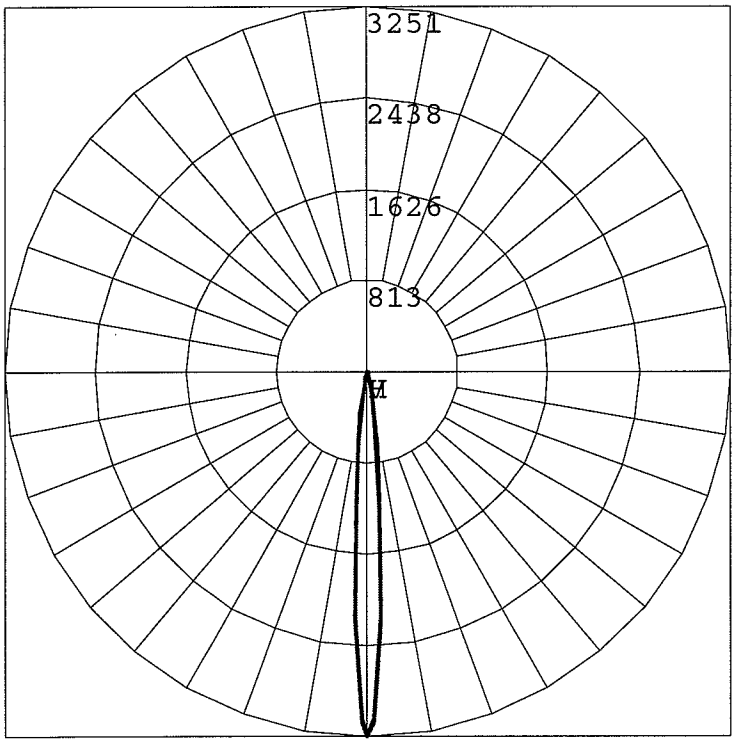
Classification:

Flood NEMA Type: 2H x 2 V

Axial Candela Display:

Polar Graph

Horizontal Axis (H)
Vertical Axis (V)



LED, Small scale luminaires - 24V, DC

Type:
BEGA Product #: L3
Project:
Voltage:
Color:
Options:
Modified:

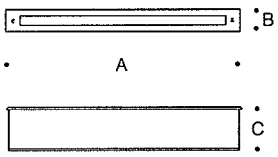
Housing: Consists of an outer 'rough-in' housing and internal lamp housing both constructed of extruded aluminum with die cast aluminum end caps.

Enclosure: .250" thick tempered clear glass with internal white translucent ceramic coating, machined to be flush with trim. The .125" thick machined stainless steel trim is permanently attached and sealed.

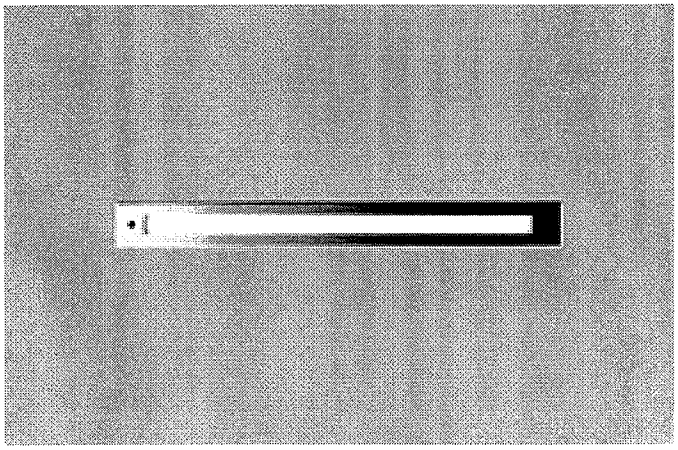
Electrical: An array of 114 white LEDs are encapsulated against any moisture or dust intrusion. No relamping is required. Luminaires are supplied with 1 ft. cable. The rough-in housing allows for through wiring and is provided with (2) two ½" conduit openings. These luminaires require a remotely located 24V, DC, Class 2 safety isolation transformer (by others) suitable for the intended LED wattage.

Finish: #4 brushed stainless steel. Custom colors are not available.

U.L. listed, suitable for wet locations.



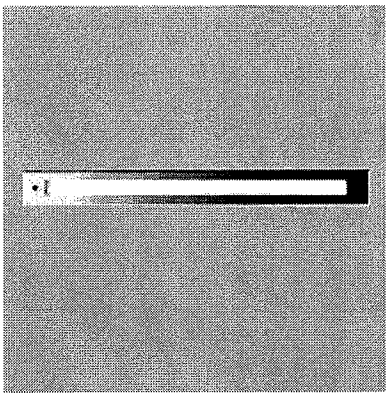
Stainless steel and aluminum construction. Diffused tempered glass. 114 LED's. Remote 24V, a DC power source required (by others).
U.L. listed, suitable for wet locations. IP 67.
Finish: #4 brushed stainless steel.



	Lamp	A	B	C
8625 Linear diffused	9.5W LED, 24V DC	39¾	1 7/16	2¾

BEGA/US 1000 BEGA Way, Carpinteria, CA 93013 [P] 805·684·0533 [F] 805·684·6682

L3



Photometric Report (Type C)

Filename: 8302.PDE
[TEST] BE4994
[ISSUEDATE] 07-19-01
[MANUFAC] BEGA-US
[LUMCAT] 8302
[LUMINAIRE] STAINLESS STEEL RECESSED WALL LUMINAIRE W_DIFFUSED TEMPERED GLASS
[LAMP] 3_5W LED, 24V DC

Maximum Candela = 8.81999969482422 at 20 H 177.5 V

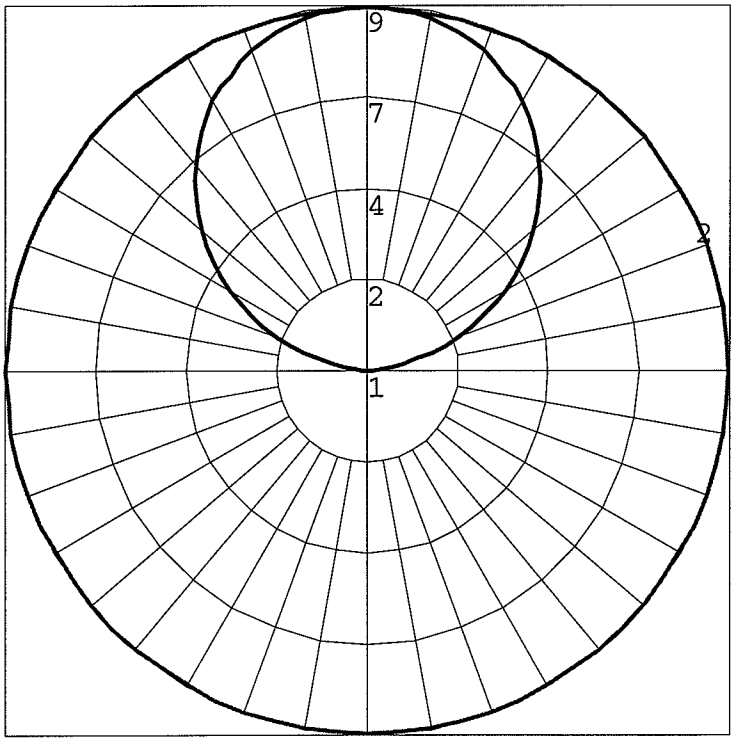
Classification:

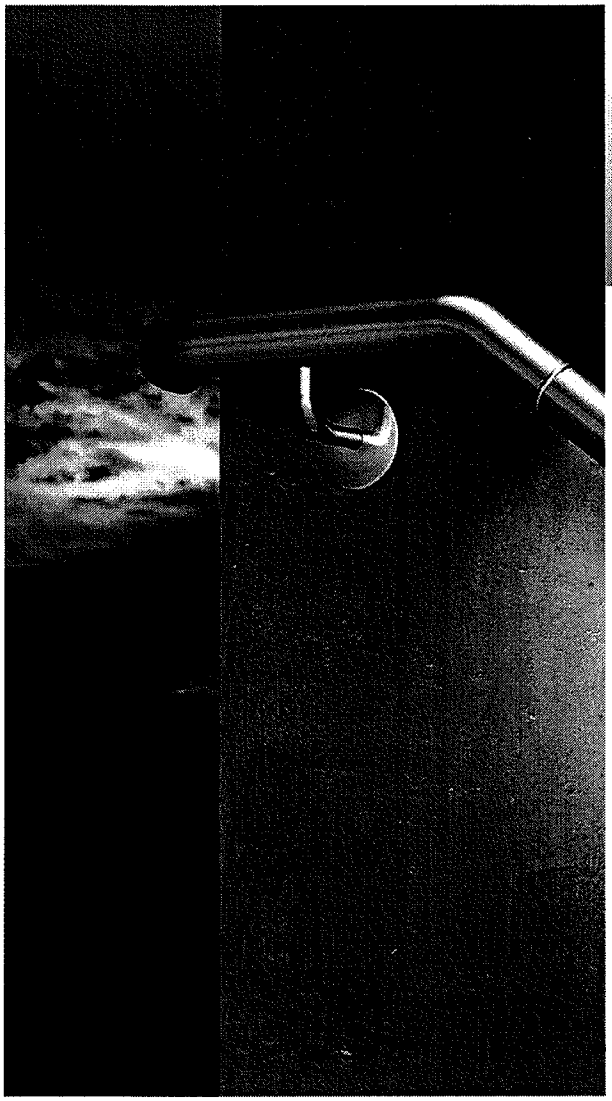
Indoor Classification: Indirect

Polar Candela Curves:

Vertical Plane Through:
1) 20 - 200 Horizontal

Horizontal Cone Through:
2) 177.5 Vertical





luxrail™

L4

Application

ANSI and ADA compliant, **luxrail** is an indoor/outdoor LED based handrail that delivers functional illumination. Two intensities may be specified: standard output & high output. The standard light output version delivers illuminance levels appropriate for exterior applications (2 footcandles at grade) as well as for dark interior environments with low ambient illumination levels, (i.e. theatres, themed environments). The high output version delivers illuminance levels applicable to interior environments – providing in excess of 10 footcandles along the path of egress (ANSI required for stair treads). Independent photometric test reports and IES Format data are available at **www.iolighting.com**

luxrail's standard handrail gripping surfaces are circular in cross section and meet 2004 ADAAG (Americans with Disability Act Accessibility Guidelines). Patented optical assemblies deliver 10, 45, and 65 degree beam spreads. The 45 and 65 degree beam patterns are most suitable for illuminating pathways while the 10 degree beam spread offers accent lighting to optional glass or stainless steel cable railing infills. Reference page 8 (**luxrail** brochure) for information regarding infill options. **io** ensures that each LED is driven with the proper current and voltage which enables the average rated life to be 50,000 hours at 70% of lamp lumen output. Ambient temperature surrounding the fixture shall not exceed 120°F.

Light Output

Two luminous intensities are available for white light. IES format files may be obtained from the factory or downloaded from **www.iolighting.com.**

Standard Output:
3000K White: 34 lms/ft
5000K White: 40 lms/ft

High Output:
3000K White: 170 lms/ft
5000K White: 230 lms/ft

Construction

luxrail may be post mounted or wall mounted. Mounting hardware (post or wall) is typically required up to 5' O.C., depending on the handrail alloy. Final post and wall bracket spacing ***must be*** determined by a licensed architect or structural engineer. **luxrail** is available in stainless steel and aluminum. The lighting fixture component of the luxrail is a stand alone unit and is available in incremental nominal lengths that range from 6" to 60". Vandal resistant access chamber allows units to be removed for maintenance purposes.

All handrail component parts are engineered for quick installation. Field welding or cutting is typically not required. All parts are prefabricated to field dimensions, and are assembled in the field with mechanical connection or epoxy.

The light fixture's housing is made of a light weight, yet durable aluminum, providing the recommended heat sink requirements for the LEDs. Housing, patented optical assembly and stainless steel end caps are bonded to prevent water infiltration.

Electrical

luxrail houses a low voltage LED based light fixture which is integrated into the underside of the handrail. It comes complete with the linear light fixture installed in the handrail. 24 volt 100 watt power supplies are provided as a standard. See daisy chain and remote distance requirements in chart on the lower left hand corner of this specification sheet.

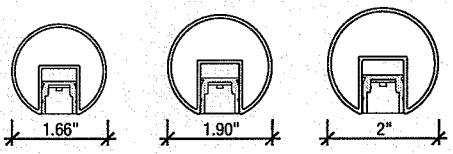
Power supply and dimming module must be specified separately. For detailed information, see **luxrail** brochure or download the Power Supply specification sheet from **www.iolighting.com**.

Power Consumption

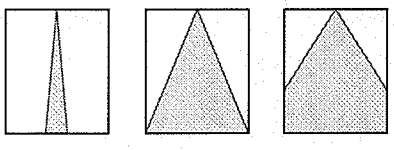
Standard Output: 2.1 w/ft **High Output: 7.6 w/ft**

Power consumption does not include power supply losses. Consult **io** driver specification sheets for losses associated with each driver option.

Dimensions



Beam Spreads



Power Supply

Standard Output

TYPE	SUPPLIES	REMOTE DISTANCE
24v100w	up to 35'-0"	7'-0" (w/22AWG)
	(2) RUNS UP TO	18'-0" (w/18AWG)
	49' WITH (1) RUN	46'-0" (w/14AWG)
	NTE 35'-0"	71'-0" (w/12AWG)

High Output

TYPE	SUPPLIES	REMOTE DISTANCE
24v100w	up to 12'-0"	7'-0" (w/22AWG)
		18'-0" (w/18AWG)
		46'-0" (w/14AWG)
		71'-0" (w/12AWG)

io Lighting
370 Corporate Woods Pkwy Vernon Hills, IL 60061-3107
T 847.735.7000 F 847.735.7001 E info@iolighting.com W iolighting.com

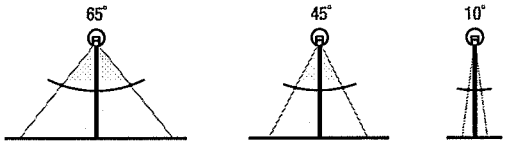
c UL us

io luxrail™

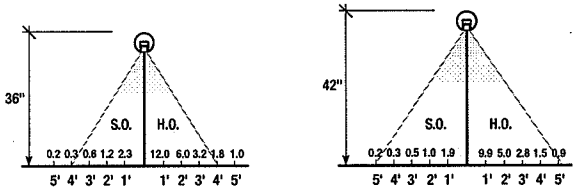
L4

Light Output / Distributions

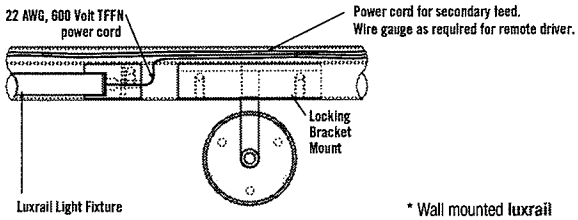
BEAM SPREAD OPTIONS

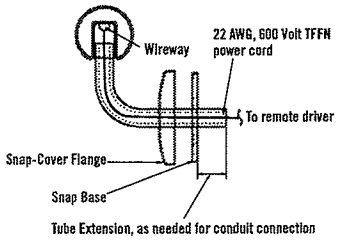


LIGHT OUTPUT - 65 DEGREE WARM WHITE



WALL MOUNT DETAILS*

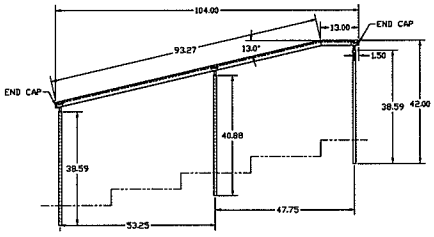




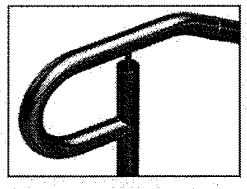
* Wall mounted **luxrail** may be mounted to new or existing guardrail (by others).

Post and wall bracket spacing must be provided by a licensed architect or structural engineer.

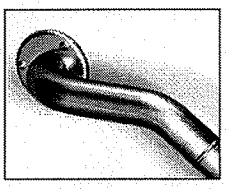
POST MOUNT APPLICATION



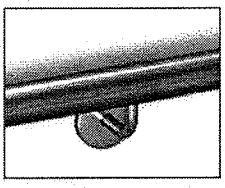
Mounting / Infill Options



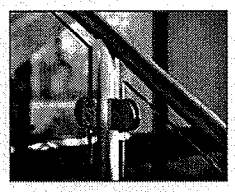
PM (post mounted)



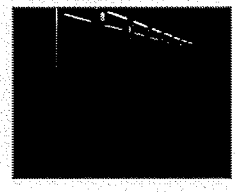
WM (end feed)



WM (wall mount intermediate)



Glass infill
(glass provided by others)



Stainless steel cable infill

Order Code

0 . 06 . . . .

io 1 2 3 4 5 6 7 8 9 10

1. PRODUCT FAMILY
06 luxrail

2. ALLOY / FINISH
SSS Stainless Steel Satin
SSP Stainless Steel Polished

3. SIZE
1 1.66" O.D. (1 1/4" pipe size) [available for SS & CAA]

3. SIZE CONT.
2 1.90" O.D. (1 1/2" pipe size) [available for SS & CAA]
3 2.0" O.D. [available for SS]

4. MOUNTING
PM Post Mounted
WM Wall or Guard Rail Mounted

5. INFILL
AC Aircraft Cable (5)
GL Glass (provided by others)
C Custom
NR Not Req'd

6. LIGHT DISTRIBUTION
10 10 Degree
45 45 Degree
65 65 Degree
NI Handrail only (not illuminated)

7. LIGHT COLOR
3k Warm White (3)
5k Cool White (3)
3kHO Warm White (3)
5kHO Cool White (3)
R Red (4)
G Green (4)
B Blue (4)

8. LENGTH
Provide overall length of each handrail section. Reference Footnote #2

9. VOLTAGE / DIMMING
1 120v
2 277v
3 120v w/dim
4 277v w/dim
5 Other

10. SPECIFY DRIVER / DIMMING(1)
Note: Reference **io** power supply specification sheet for driver and dimming options. If left blank, **io** will supply 100 watt drivers.

Footnotes

Footnotes

1. *See **io luxrail brochure** to specify driver separately.*
2. *Each handrail application will be somewhat custom to accommodate varying field conditions and design requirements. Shop drawings will be required to manage specifics of each handrail section.*
3. *White light variance between LED's within a single fixture will not exceed +/- 200K.*
4. *High Output only - 8w/ft.*
5. *Aircraft cable available for flat surfaces only.*

c UL us

L4

Photometric Report (Type C)

Filename: ITL58701.IES
[TEST] ITL58701
[ISSUEDATE] 05_23_07
[MANUFAC] IO LIGHTING LLC
[LUMCAT] 0_06_E_3KHO_45_1_08_22
[LUMINAIRE] EXTRUDED DIFFUSE METAL HOUSING WITH FLAT METAL END CAPS, ONE WHITE CIRCUIT BOARI
[LAMP] FORTY 0_5-WATT WHITE LIGHT EMITTING DIODES (LED'S), EACH RATED 17 LUMENS, VERTICAL BA

Maximum Candela = 137 at 0 H 0 V

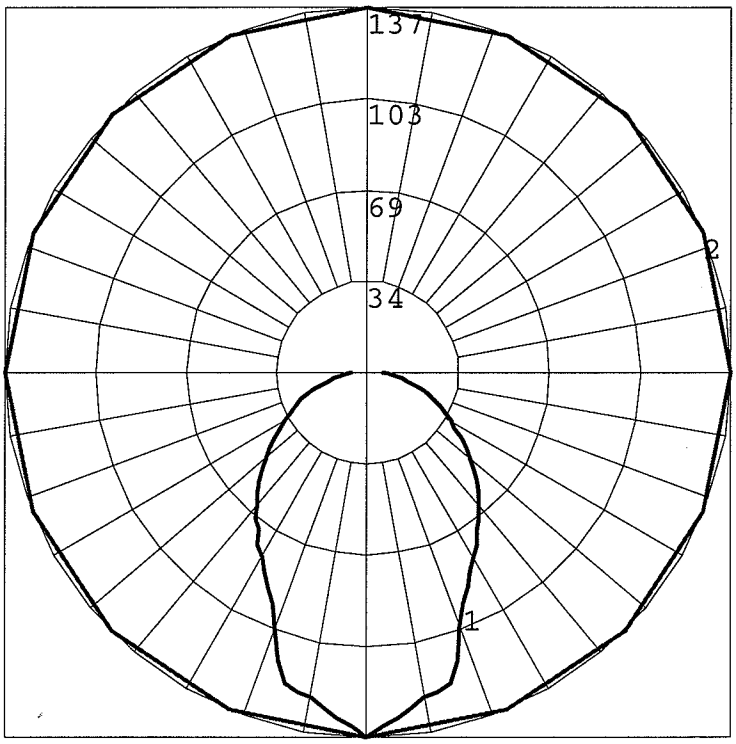
Classification:

Road Classification: Type V, Very Short, Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

Horizontal Cone Through:
2) 0 Vertical



HILLEL

18" HIGH LETTERING

The Barbara Hochberg Center for Jewish Student Life

9" HIGH LETTERING

CAFE

16" HIGH LETTERING

SIGNAGE NOTES

1. ALL SIGNAGE IS CUT METALLIC LETTERING ON STANDOFFS.
2. SEE BUILDING ELEVATIONS IN DRAWING SET FOR LOCATIONS
3. SEE BUILDING ELEVATIONS FOR PROPOSED LOCATION FOR BANNERS

Proposed Signage

UW - HILLEL

August 14, 2007 - CITY REVIEW SUBMITTAL

EADP Project No. 071690

Engberg Anderson Design Partnership, Inc.

0 2' 4' 8'

EngbergAnderson Design Partnership, Inc.

Letter of Intent

August 14, 2007

To: **Plan Commission** City of Madison

From: **Erik Jansson** Engberg Anderson Design Partnership

Re: Letter of Intent for PUD-SIP
University of Wisconsin Hillel
The Barbara Hochberg Center for Jewish Student Life
Engberg Anderson Project No. 071690.00

PROJECT NAME & ADDRESS

University of Wisconsin Hillel
The Barbara Hochberg Center for Jewish Student Life
611 Langdon Street
Madison, WI 53703

PROJECT NARRATIVE

The University of Wisconsin Hillel resides in a 12,100 square foot building constructed in 1956. Located at 611 Langdon Street, the building is one block from the eastern edge of the UW campus. With approximately 5,000 Jewish students on campus it is one of the largest and most active Hillel programs in the world. Hillel provides a home and support to its many independent student organizations and represents every expression of Jewish life and religious, cultural, political, traditional and alternative. Hillel works to create a community on this large state campus and enables students to have a voice in their community one that will help them maintain their ties to Judaism.

UW Hillel is proposing to remove the existing building and construct a new, approximately 40,000 square foot facility on the site. The new building will contain four above grade levels with a below grade parking level. The multi-use facility will be designed to house religious assembly areas, reception, offices, a library, religious based food service, student study areas, locker rooms, an exercise room, and several multi-purpose rooms.

The new facility will have outdoor features including at grade and elevated terraces. The at grade terrace in front of the building on Langdon Street will provide functional space for gathering and outdoor seating for a first floor/street side Kosher cafe. Elevated terraces on the upper floors will include gathering space facing Langdon Street and a recreation court at the fourth (highest) floor. Other exterior features include a loading area for deliveries, trash and recycling collection, bicycle and moped parking, ADA compliant access ramp, and vehicle access

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to the below grade parking level. Temporary structures for religious worship (Sukkah) will be assembled at the main outdoor patio facing Langdon as well as the fourth floor recreation terrace.

A general summary of exterior materials include site cast concrete, both formed and sandblasted, granite blocks, fiber cement panels with exposed fasteners, hook-strap stainless steel panels, Jerusalem stone on a granite base, ipe T&G siding, clear low-e glazing with both capped and butt-glazed window systems and a clear anodized, aluminum finish.

The planning and design of this new facility continues with the intended goal of achieving the Silver Certification as established in the LEED program of the United States Green Building Council (USGBC). Several of the sustainable design principals intended to be implemented include: day-lighting, solar shading, grey water system, waterless urinals, dual-flush toilets, heat recovery wheel from kitchen exhaust, green roofing alternatives (both high reflectance and extensive), photo voltaics and a solar hot water preheat system.

CONSTRUCTION SCHEDULE

11/12/2007	Demolition of existing building
12/17/2007	Excavation for main construction
1/2/2008	Footings and foundations start
12/15/2008	Substantial Completion
1/15/2009	Occupancy

DESCRIPTION OF EXISTING CONDITIONS

The University of Wisconsin Hillel resides in a 12,100 square foot building constructed in 1956. Located at 611 Langdon Street, the building is one block from the eastern edge of the UW campus. The existing building is two stories above grade with a below grade basement for mechanical and some office and sanctuary spaces. Parking is currently adjacent to the alley on the west of the property and in the back (south) area behind the building. The existing materials are brick, stone, aluminum frame windows and a glass in an aluminum storefront system with some metal infill panels. The front terrace space adjacent to the public right-of-way on Langdon is occupied by some patio space and lawn used for outdoor gatherings.

CONTACTS & PEOPLE INVOLVED IN THE PROJECT

Owner:
Hillel Foundation University of Wisconsin, Inc.
Greg Steinberger, Executive Director (contact for Hillel)

Owner's Representative:
Huffman Facility Development
Michael Huffman

Architect:
Engberg Anderson Design Partnership
Paul Cuta, Partner
Erik Jansson, Project Architect (Contact)

Construction Manager / Contractor:
J.H. Findorff & Sons, Inc.
Sam Lawrence
Steve Klaven

Civil & Survey:
Burse Surveying & Engineering
Michelle Burse
Peter Fortlage

Landscape:
Ken Saiki Design, Inc.
Ken Saiki
Rebecca Flood

Structural:
Pierce Engineers, Inc.
Dick Pierce
Derek Horejsh

Foodservice:
Stewart Design Associates
Rock Deering

Mechanical, Electrical, Plumbing & Fire Protection:
Affiliated Engineers, Inc.
Lynn Standorf
Guy Wilson

PROPOSED USES & SQUARE FOOTAGES

Square Footage (Acreage) of the Site:
14,358 Square Feet (0.33 Acres)

Total Gross Square Feet of the Building:
40,765 GSF

Square Footage by Use:

Use	Net Square Feet
Meeting Rooms for Assembly (Religious & Non-Religious)	4,325
Dining Areas: Main dining room & café space (also used for multi-purpose assembly space)	3,510
Commercial Kitchen & Servery	1,730
Lobby (also used for assembly)	1,280
Staff & student office space	3,100
Student Lounges	2,155
Fitness Room (including locker rooms)	1,900
Outdoor assembly space (front at-grade terrace and 4th floor terrace)	2,275
Outdoor recreation space (4th floor; also used for assembly)	2,170
Shell Space for future expansion	950
Parking	4,200
Service space & building core (mechanical, loading, recycling/refuse, restrooms, storage, ramp for parking, corridor space, vertical circulation, building structure and core, etc.)	13,170 (gsf)

Gross Square Footage of Retail, Office, Clinic, and Bank:
None. Administrative Offices for Hillel per above SF

Number of employees for warehousing, production, processing uses, contractor shops, nursery school, bakery, motor vehicle repair:
None. Kitchen component as described above.

CAPACITY PER STATE BUILDING CODE FOR PLACES OF ASSEMBLY

1,717 Occupants

NUMBER OF PARKING AND LOADING SPACES

10 parking spaces in interior lower level which includes 1 Van Accessible Space. Access to the parking level is through the existing alley in a shared easement that is on the west side of the project. An overhead garage door is accessed from the alley to an interior ramp that leads to the underground parking.

A single 10 foot by 35 foot by 14 foot high loading space is provided adjacent to the alley/easement.

HOURS OF OPERATION

Hillel office staff would include approximately 12 occupants. Other occupant load overall varies based on events and programming. See attached "Anticipated Building Occupancy" for more information. General building hours as follows:
Weekdays: 9 am to 11 pm
Saturday: 9 am to 1 pm
Sunday: 12 pm to 7 pm

NUMBER OF DWELLING UNITS

This project contains no dwelling units and will not generate school children.

TRASH REMOVAL AND STORAGE, SNOW REMOVAL

The owner will contract with outside vendors for trash, recycling and snow removal. The trash and recycling storage is inside the building adjacent to the service and loading area.

EXISTING BUILDING DEMOLITION

See attached photos of the existing building. A demolition reuse and recycling plan meeting City of Madison requirements will be submitted at a future date.

PUBLIC STREET TERRACE IMPROVEMENTS

This project is proposing several improvements to the street terrace on Langdon Street. These are shown on drawing C101 and include the addition of trees with tree grates, a paved public terrace, and bollards for overall security for Hillel and prevention of cars parking in the public terrace.

Street terrace improvements require separate approval by the Board of Public Works and Common Council. The owner will coordinate terrace and public sidewalk modifications with the City of Madison.

Please find the attached supporting information. If there are any questions or issues with this submittal, please contact me.

Sincerely,

Erik Jansson
Project Architect

PC/EJ

Copied Greg Steinberger, UW Hillel
Michael Huffman, Huffman Facility Development
Sam Lawrence, Findorff

Attachments
State-Langdon Neighborhood Association Support Letter (1 page, 5/3/07)
8th District Alder Eli Judge 30 day notice Wavier (1 page, 8/14/07)
Existing Photos of Building as required for Demolition Permit (3 pages, dated 8/14/07)
Zoning/PUD Text (2 pages, dated 8/14/07)
UW Hillel Anticipated Building Occupancy (1 page, dated 6/23/07)

Not attached to this letter of intent, but provided in submittal:
Application
Filing Fee: Check for $1,750
Drawing Sets – 30x42 Full size, 11x17 & 8.5x11 (dated August 14, 2007)
Legal Description of Property (Survey in Drawing Set)

Erik Jansson

From: Jeff Erlanger [jeff.erlanger@gmail.com]

Sent: Thursday, May 03, 2007 11:24 AM

To: amartin@cityofmadison.com; Parks, Timothy

Cc: state-langdon Neighborhood; Capitol Neighborhoods - Executive Committee; gsteinberger@uwhillel.org; Erik Jansson

Subject: State-Langdon's take on the proposed Hillel building at 611 Langdon St

Dear UDC and Planning Commisson members,
At it's meeting on Tuesday, May 1st, State-Langdon Neighborhood District (a Capital Neighborhood Inc. district) unanamously to support the proposed building as proposed. If I can be of any assistance, let me know.
Sincerely,
Jeff Erlanger
State-Langdon Neighborhood District-Chair
jeff.erlanger@gmail.com
255-3794

Erik Jansson

From: Judge, Eli [district8@cityofmadison.com]
Sent: Tuesday, August 14, 2007 4:10 PM
To: Tucker, Matthew; Firchow, Kevin; Parks, Timothy; Martin, Al
Cc: gsteinberger@uwhillel.org; mhuffman@huffmanfd.com; Erik Jansson
Subject: 611 Langdon St- UW Hillel

To all:

I have met with the representatives of UW Hillel House at 611 Langdon and am waiving their 30 day notification period for their submittal.

Thanks. Feel free to contact with any questions.

Eli

Eli Judge
Alder, 8th District
(608) 322-6358

EngbergAnderson Design Partnership, Inc.

Memorandum

August 14, 2007

To: **Plan Commission** City of Madison

From: **Erik Jansson** Engberg Anderson Design Partnership

Re: Demolition Permit Requirements
The Barbara Hochberg Center for Jewish Student Life
University of Wisconsin Hillel
Engberg Anderson Project No. 071690

REUSE & RECYCLING PLAN

A Reuse and recycling plan per the City of Madison requirements will be submitted prior to the request for a demolition permit. The Building is registered with the US Green Building Council and is pursuing LEED Silver Certification. Part of these requirements will involve a thorough reuse and recycling plan for the demolition as well as construction phases of the project.

EXISTING UW HILLEL PHOTOS

Figure 1. View From Langdon Looking Southeast

Figure 2. View From Langdon Looking Southwest

This is a 3-page Memorandum.

1 North Pinckney Street
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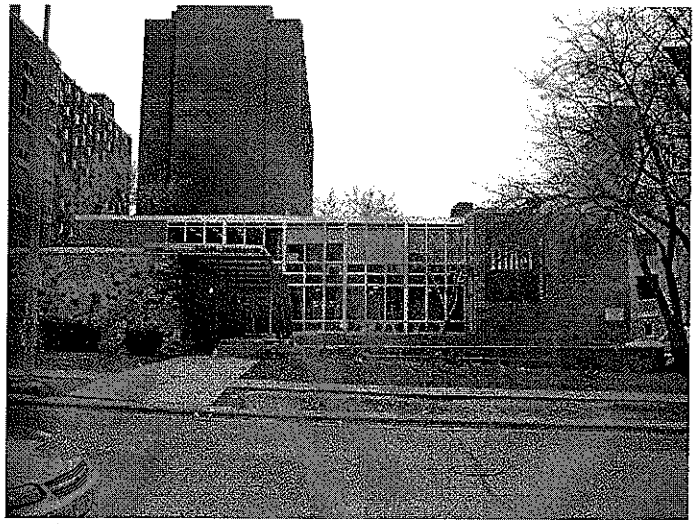


Figure 3. View From Langdon Looking South

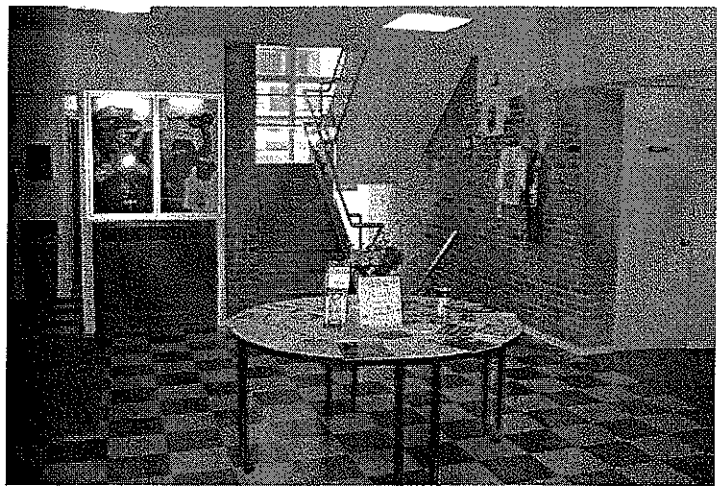


Figure 6. Existing Entrance Lobby

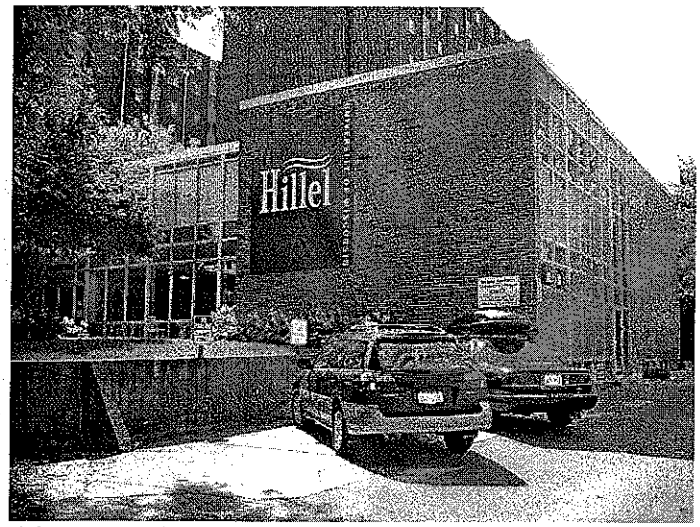


Figure 4. View From Alley Looking Towards The North Elevation

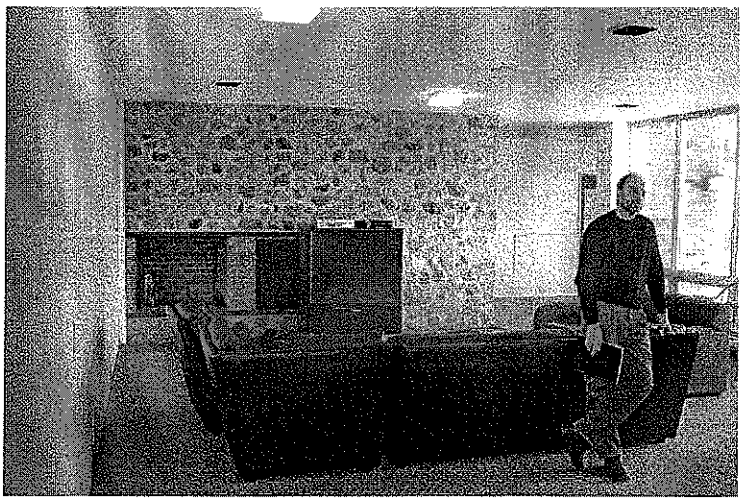


Figure 7. Existing Multi-Use Lounge & Sanctuary

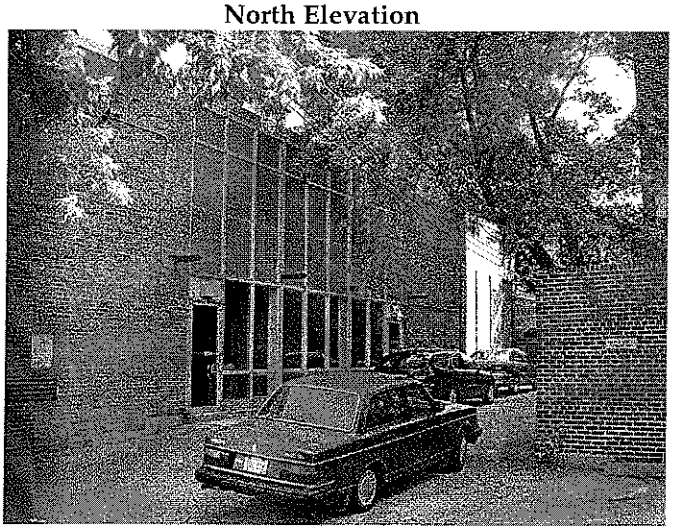


Figure 5. South Elevation Looking Northeast and Existing Parking Area

Figure 8. Existing Orthodox Sanctuary Space

EngbergAnderson DesignPartnership, Inc.

PUD TEXT

DRAFT: August 14, 2007

Project:
University of Wisconsin Hillel
The Barbara Hochberg Center for Jewish Student Life
611 Langdon Street
Madison, WI 53703

Legal Description:
The lands subject to this planned unit development shall include those described in *[Exhibit A]*, attached hereto.

A **Statement of Purpose:**

This zoning district is established to allow for the construction of a new student center facility. Hillel, the Jewish student center at University of Wisconsin, serves over 5,000 Jewish students and faculty. Hillel provides a home and support to its many independent student organizations and represents every expression of Jewish life and religious, cultural, political, traditional and alternative. Hillel works to create a community on this large state campus and enables students to have a voice in their community one that will help them maintain their ties to Judaism. The multi-use facility will be designed to house education and religious assembly areas, reception, offices, a library, religious based food service, student study areas, locker rooms, an exercise room, and several multi-purpose rooms.

B **Permitted Uses:**

1. Those that are stated as permitted uses in the R-6 zoning district
2. Student center
3. Educational spaces for classrooms and study
4. Religious worship
5. Administrative offices
6. Physical fitness and recreation including locker rooms
7. Indoor and outdoor assembly for religious, educational, recreational and public service use
8. Indoor and outdoor assembly for special religious and non-religious events including political functions, guest speakers, musical groups, film festivals, catered and non-catered rental events such as weddings and receptions.
9. Commercial food service and dining
10. Café – owner or outside caterer/vendor operated
11. Uses accessory to permitted uses as listed above.
    a. Temporary outdoor structures for religious, educational, recreational and special event programming including rooftop terraces

1 North Pinckney Street
Madison, Wisconsin 53703
www. eadp.com
Ph 608 250 0100 Fx 608 250 0200

b. Outdoor eating areas
c. Serving of alcohol
d. Lodging facilities for visitors and guests
e. Parking Facilities

C **Lot Area:**
As stated in *[Exhibit A]*, attached hereto.

D **Floor Area Ratio:**
1. Maximum floor area ratio permitted is 5.0.
2. Maximum building height shall be as shown on approved plans.

E **Yard Requirements:**
Yard areas will be provided as shown on 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 and loading will be provided as shown on the approved plans.

H **Site Lighting:**
Site Lighting will be provided as shown on the approved plans.

I **Signage:**
Signage will be provided as shown on the approved 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 R-6 zoning district.

K **Alterations & 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 area compatible with the concept approved by the City Plan Commission.

6/23/07

UW Hillel
Anticipated Building Occupancy

Regular Use (September through May)

- Office Staff: 12 people, 9am to 5pm
- Café: 10 people (average), 11am to 8pm
- Sanctuary:
  - 150 people in three rooms, Friday 6:30pm to 7:30pm
  - 30 people, Saturday 9am to 1pm
- Dinning Room(s):
  - 100-150 people, Friday 7:30 to 10:00 (with post meal discussion)
  - 10-20 people, weekdays 5pm to 7pm
- Fitness Center:
  - 6-10 people, weekdays 11am to 5pm
  - 10-15 people, weekdays 5pm to 11pm
  - 10-15 people, Saturday 9am to 1pm
  - 10-15 people, Sunday 12pm to 7 pm

In general the regular hours of operations will be:

- 9am to 11pm, weekdays
- 9am to 1pm, Saturday
- 12pm to 7pm, Sunday

Events

- Meetings: 5-50 people in 1-4 meetings weekly, 4pm to 8pm
- Program Events: 100-300 people in 5-10 events per semester, evenings
- Major Events:
  - Rosh Hashanah and Yom Kippur: up to 500 people at a time
  - Sukkot: 50 people for 1 day service (meal outside)
  - Simchat: 100 people, evening
  - Tu'bshvat: 100 people, service and meal
  - Passover: 300 people per day, two days and 200 meals per day (lunch and dinner), seven days

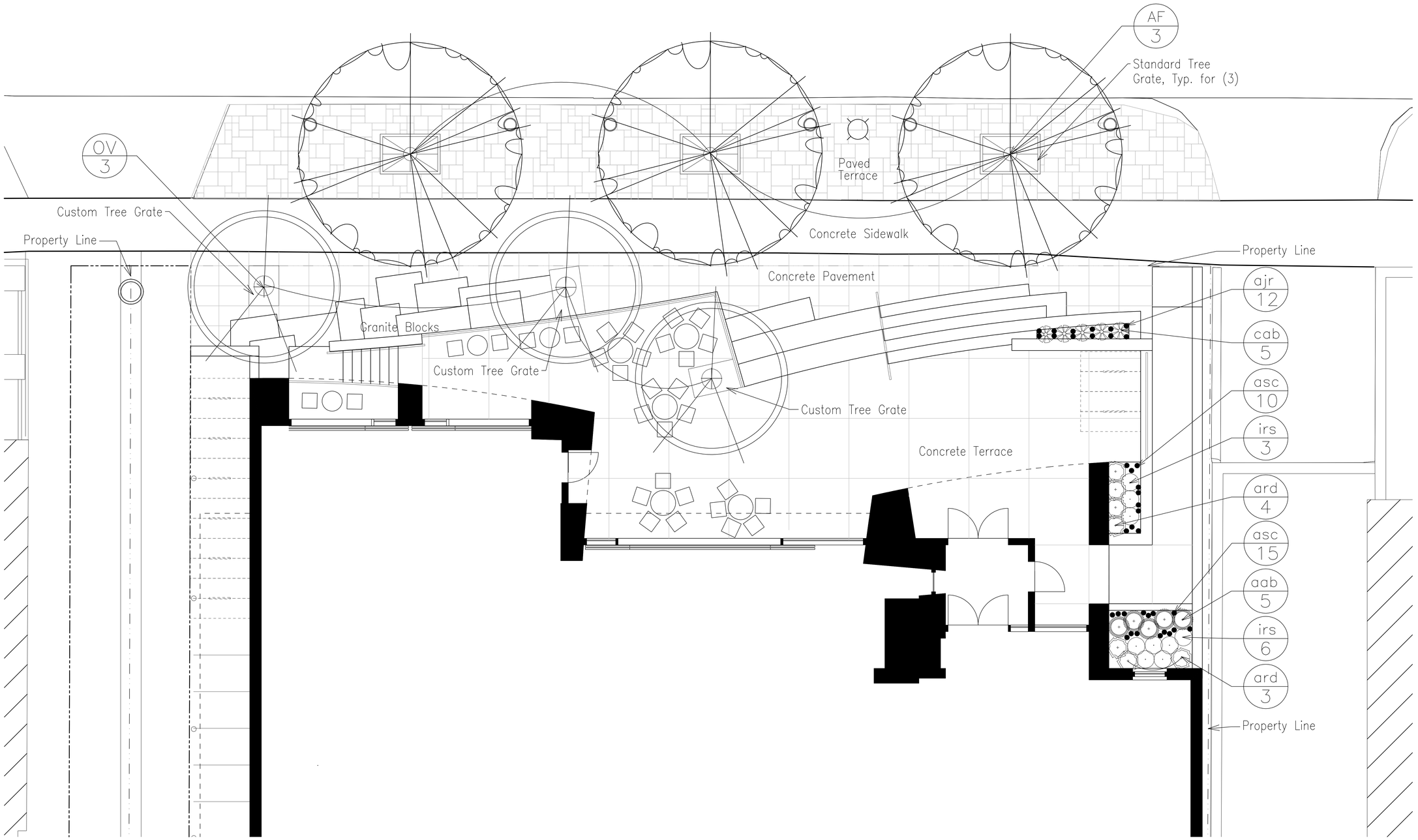
Rental

- UW Extension: 15-50 per room in 2-4 rooms, 4pm to 6pm three days per week
- Wedding/Barmitz.: 100-300 people 4-5 times per year

Summer Months (June through August)

In general ½ of the staff will be working daily, the fitness center will have reduced hours and café traffic will likely be reduced.

LANGDON STREET



Plant List						
Key	**Botanical Name**	**Common Name**	**Quantity**	**Size**	**Spec**	**Comments**
	Deciduous Trees					
AF	*Acer x fremanii 'Armstrong'*	*Armstrong Freeman Maple*	*3*	*2.5" Cal.*	*B&B*	*Pending approval of City Forestry Department*
OV	*Ostrya virginiana*	*Eastern Hop Hornbeam*	*3*	*2" Cal.*	*B&B*	*Single, straight leader; match specimens*
	Perennials/Grasses/Groundcovers					
ajr	*Ajuga reptans 'Bronze Beauty'*	*Bronze Beauty Carpet Bungle*	*12*	*4 1/2"*	*Pot*	*Healthy, well-developed roots and runners*
ard	*Aruncus dioicus*	*Goatsbeard*	*7*	*1 Gal.*	*Cont.*	*24" ht. foliage; well-rounded foliage*
asc	*Asarum canadense*	*Wild Ginger*	*25*	*4 1/2"*	*Pot*	*4-6" ht. foliage; min. 4 leaves per pot*
aab	*Astilbe arendsii 'Bridal Veil'*	*Bridal Veil False Spirea*	*5*	*1 Gal.*	*Cont.*	*12-20" ht. foliage; full foliage*
cab	*Calamagrostis brachytricha*	*Korean Feather Reed Grass*	*5*	*1 Gal.*	*Cont.*	*Match specimens; 24" ht. min.*
irs	*Iris siberica 'Caesar's Brother'*	*Caesar's Brother Siberian Iris*	*9*	*1 Gal.*	*Cont.*	*24" ht. foliage; not blooming when planted*

NOTES:

1. Planters shall be mulched with twice-shredded hardwood bark mulch.
2. Street trees and grates in terrace are being reviewed by and coordinated with Dean Kahl (266-4891) at the City of Madison Forestry Department.
3. Landscape Worksheet is not required for this project.

N

0 4 8 16

SCALE: 1/4" = 1'-0"

Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

KEN SAIKI DESIGN INC
LANDSCAPE ARCHITECTS

UNIVERSITY OF WISCONSIN HILLEL

MADISON, WISCONSIN

Owner
University of Wisconsin - Hillel
611 Langdon Street
Madison, WI 53703

Project No 071690

Issued For:

No.	Description	Date

CITY REVIEW SET 8-14-2007
- NOT FOR CONSTRUCTION

Drawn by RLF
Checked By XXX
File 2007-015_ksd base.dgn

Landscape Plan

L100

EngbergAnderson Design Partnership, Inc.

PUD TEXT

DRAFT: August 14, 2007

Project:
University of Wisconsin Hillel
The Barbara Hochberg Center for Jewish Student Life
611 Langdon Street
Madison, WI 53703

Legal Description:
The lands subject to this planned unit development shall include those described in *[Exhibit A]*, attached hereto.

A Statement of Purpose:

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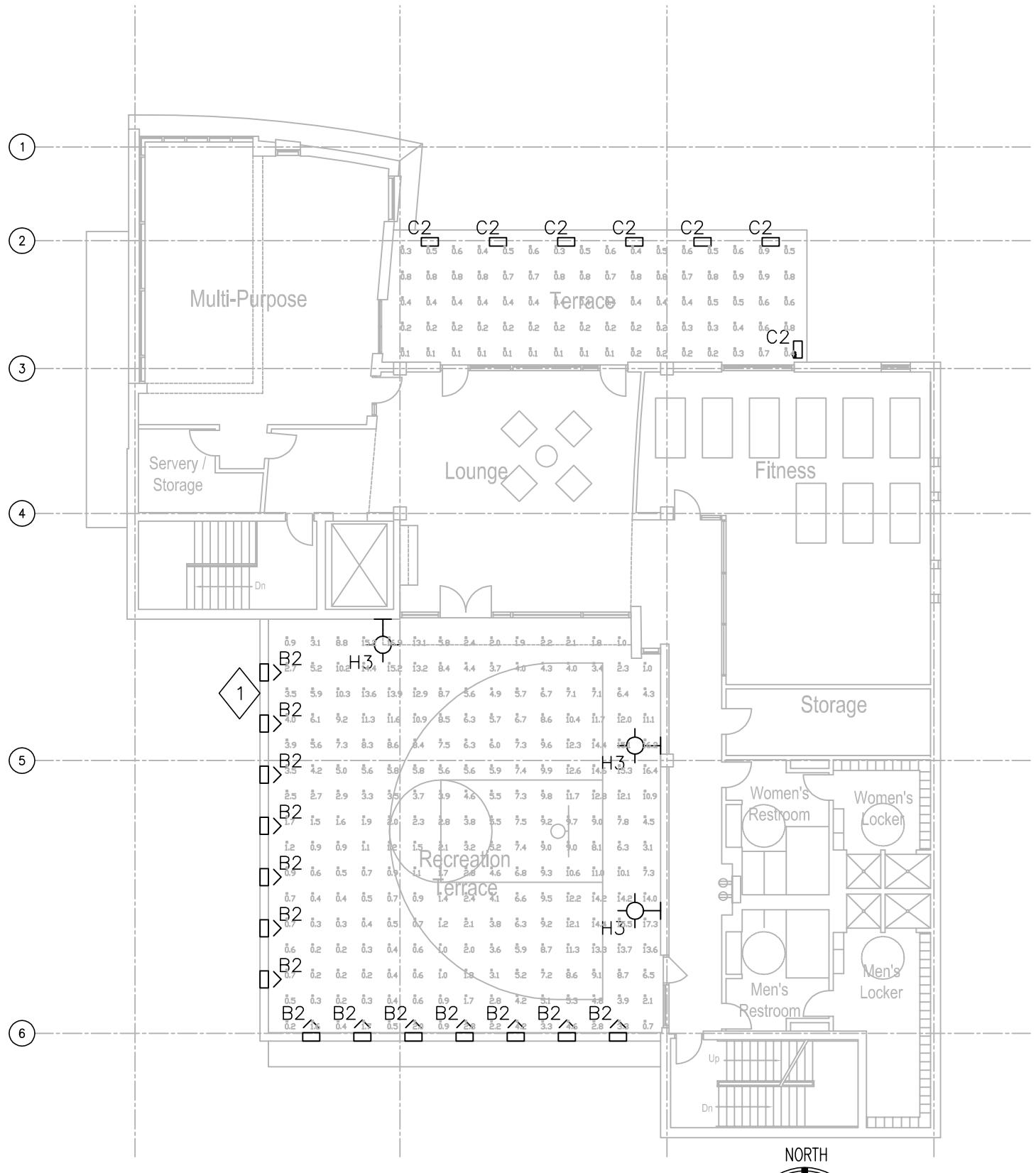


1 EL203 Fourth Floor Electrical Lighting Plan

SCALE: 1/16"=1'-0"

SHEET KEYNOTES:

1 MOUNT TYPE B2 FIXTURES LOCATED IN RECREATION TERRACE AT 1' ABOVE FINISHED FLOOR (AFF).

Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

Affiliated Engineers
Affiliated Engineers, Inc.
5802 Research Park Boulevard
Madison, Wisconsin 53719
Tel 608.238.2616 Fax 608.238.2614

UNIVERSITY OF WISCONSIN HILLEL

MADISON, WISCONSIN

Owner
University of Wisconsin – Hillel
611 Langdon Street
Madison, WI 53703

Project No 071690

Issued For:

No.	Description	Date

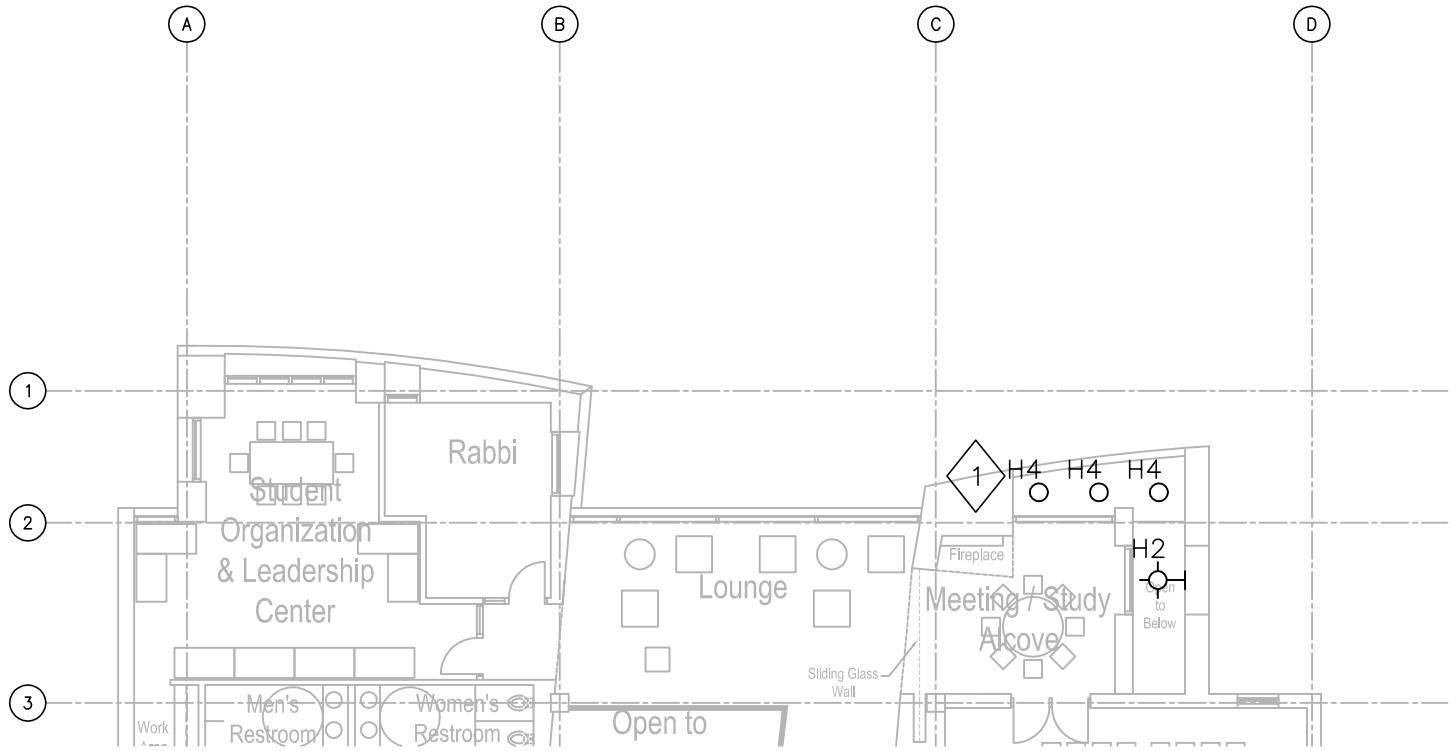
CITY REVIEW SET 8-14-2007 - NOT FOR CONSTRUCTION

Drawn by AEI
Checked By AEI
File EL203.dwg

Fourth Floor Electrical Lighting Plan

0 8' 16' 32'

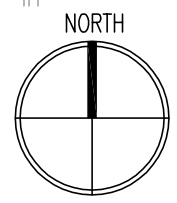
EL203



1 EL202

Second Floor Entry Lighting Plan

SCALE: 1/16"=1'-0"



SHEET KEYNOTES:

1 SURFACE MOUNT TYPE H4 FIXTURES TO STRUCTURE. DIRECTIONAL AIMING SHALL BE COORDINATED WITH OWNER.

LUMINAIRE SCHEDULE

Type	Manufacturer	Catalog Number	Lumens	IES Class	Lamps No. & Type	Mtg.	Remarks
B1	Bega	8856MH	3300	Type IV	(1) 39W T4 G 8.5	In Ground	Non-Cutoff
B2	Bega	2283	264	Type IV	(1) 18W S8, 12V	As noted	Cutoff
C1	Designplan Lighting	RHL-8-H4	3200	Type I	(1) 42W CF Triple-4P	12' AFF	Full Cutoff
C2	Bega	8847P	1800	Type IV	(1) 26W CF Triple-4P	In Ground	Semi-Cutoff
C3	Lumenton	SL700-PL18	1200	Type IV	(1) 18W PL 4P	4' AFF	Non-Cutoff
H1	Kim Lighting	WD14-2-70MH-HS	5900	Type II	70W MH ED17	16' AFF	Full Cutoff
H2	Gardco Lighting	301-SU-150MH	1000	Type IV	150MH	7' AFF	Non-Cutoff
H3	Bega	7475MH	6600		(1) 70W T6 G12 MH	10' AFF	Full Cutoff
H4	Kim Lighting	LTV30/SP/70MH277	4290		70W MH ED17	As noted	
L1	Louis Poulsen	6107777031	850		MR16	In Ground	
L2	Louis Poulsen	Nimbus High Power LED	119		(9) 9W White LED's	As noted	
L3	Bega	8302	63		(3) 5W LED's	In Ground	
L4	IO Lighting	06-E-3KH0-45-1-08-22	17	Type V	(40) 5W White LED's	3.5' AFF	Cutoff

LPD Area Summary

Label	Area	Total Watts	LPD
Hillel Site Plan	15881	1838.901	0.116

Statistical Area Summary

Label	Avg	Max	Min	Avg/Min	Units
Front Walkway	0.44	2.3	0.1	4.40	Fc
Terrace Floor and Steps	2.52	14.2	0.1	25.20	Fc
Alley/Moped Parking	1.22	3.7	0.1	12.20	Fc

Engberg Anderson Design Partnership, Inc.
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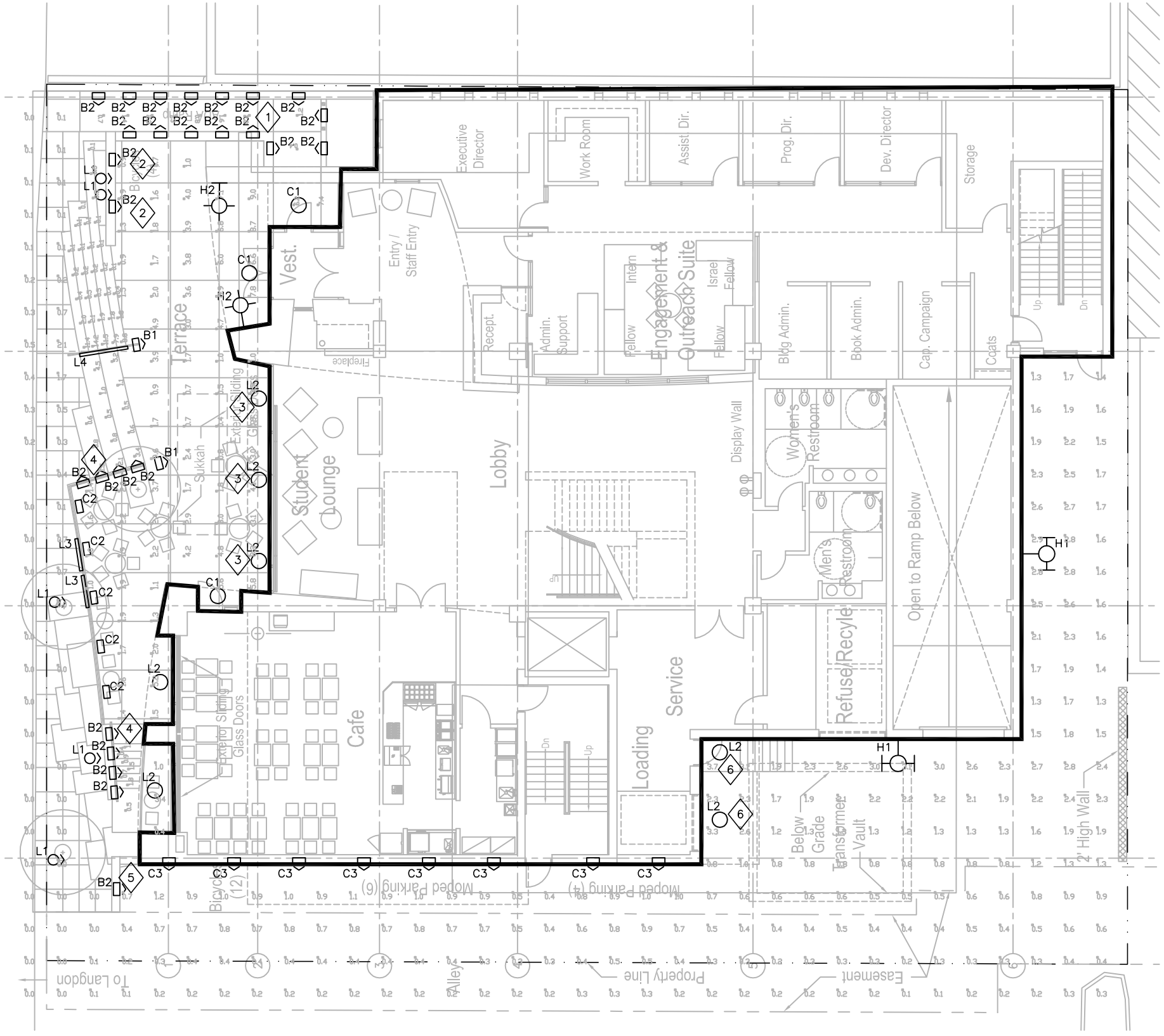
Drawn by AEI
Checked By AEI
File EL202.dwg

Second Floor Entry Lighting Plan & Luminaire Schedule

0 8' 16' 32'

EL202



SHEET KEYNOTES:

1. MOUNT TYPE B2 FIXTURES LOCATED ON RAMP INCLINE AT 0.7' ABOVE FINISHED FLOOR (AFF).
2. MOUNT TYPE B2 FIXTURES LOCATED ON TERRACE AT 1' AFF.
3. MOUNT TYPE L2 FIXTURES LOCATED ON TERRACE AT 12' AFF.
4. MOUNT TYPE B2 FIXTURES LOCATED ON STEP AT 1' AFF.
5. MOUNT TYPE B2 FIXTURES LOCATED IN ALLEY AT 2' AFF.
6. MOUNT TYPE L2 FIXTURES LOCATED ON DOCK LANDING AT 11' AFF.

1 / E101 Electrical Site Lighting Plan

SCALE: 1"=15'

NORTH

0 7.5' 15' 30'

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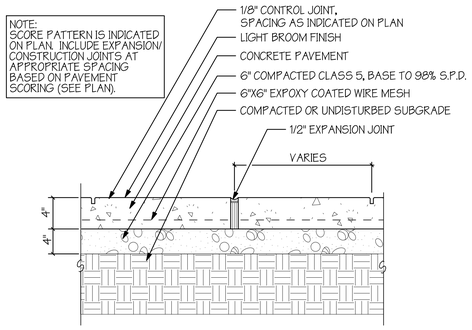
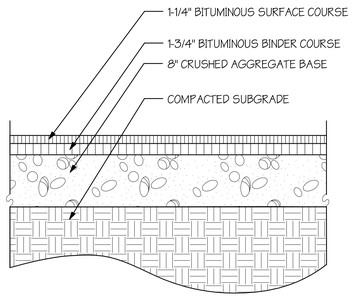
Checked By AEI
File E101.dwg

Electrical Site Lighting Plan

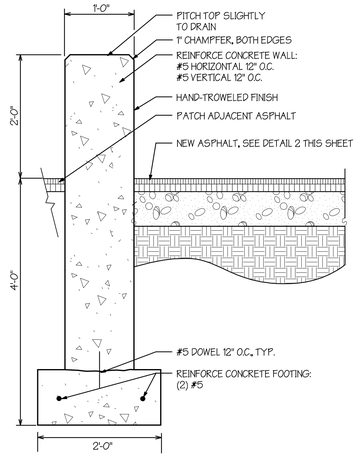
E101



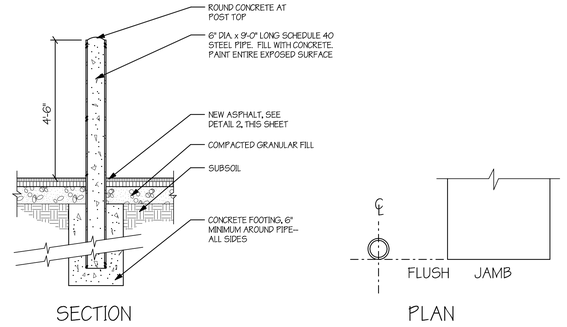
1 CONCRETE WALK AND JOINTS — DETAIL — NOT TO SCALE



2 ASPHALT PAVEMENT — DETAIL — NOT TO SCALE



3 CONCRETE WALL — DETAIL — NOT TO SCALE



4 JAMB GUARD BOLLARD — DETAIL — NOT TO SCALE

5 CONCRETE RIBBON — DETAIL — NOT TO SCALE

5 BICYCLE RACKS — DETAIL — NOT TO SCALE

7 TREE PLANTING — DETAIL — NOT TO SCALE

8 TREE PLANTING IN GRATE — DETAIL — NOT TO SCALE

9 SHRUB PLANTING — DETAIL — NOT TO SCALE

10 PERENNIAL PLANTING — DETAIL — NOT TO SCALE

Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

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Site Details

C103

EX 15" RCP STORM

CONNECT BUILDING SANITARY SEWER
RIPING INTO EXISTING 4" SAN LATERALS

EX 10" WATER MAIN
EX 4" WATER MAIN
EX 12" CLAY SANITARY SEWER

NEW INLET
2'x3' BOX
W/ R-3067-L CASTING
RIM=863.82
INV=861.62

LANGDON STREET

EX HYDRANT (TYP.)
SEE TABLE FOR OTHER
NEARBY HYDRANT
LOCATIONS

EX CONCRETE SIDEWALK

50'-12" RCP
STORM PIPE @ 1.7%

CONNECT ROOF DRAINAGE TO EXISTING STORM
LATERAL

SEE LANDSCAPE PLAN

NEW CATCH BASIN
24" RCP PLACED VERTICALLY
W/ BELL GRATE CASTING PROVIDED
BY MADISON CONCRETE PIPE CO.
RIM=864.75
INV=862.75
BOTTOM=960.75
INSTALL PERMANENT INLET FILTER
APPROVED BY THE CITY OF MADISON

RECONNECT WATER
SERVICE TO
NEW BUILDING

MAINTAIN ACCESS TO ALLEY
DURING CONSTRUCTION.
EXISTING PAVEMENT TO REMAIN
AS LONG AS POSSIBLE FOR
CONSTRUCTION SURFACE.

RESIDENTIAL
619 LANGDON ST

611 LANGDON STREET
FF = 871.0
BF = 860.0

HOTEL
601 LANGDON ST

30" CONCRETE RIBBON
SEE DETAIL ON SHEET C103
BLEND NORTH END TO MATCH
NEW STORM INLET RIM ELEVATION

MATCH NEW PAVEMENT TO
EXISTING UNDERGROUND PARKING
SLAB THRESHOLD

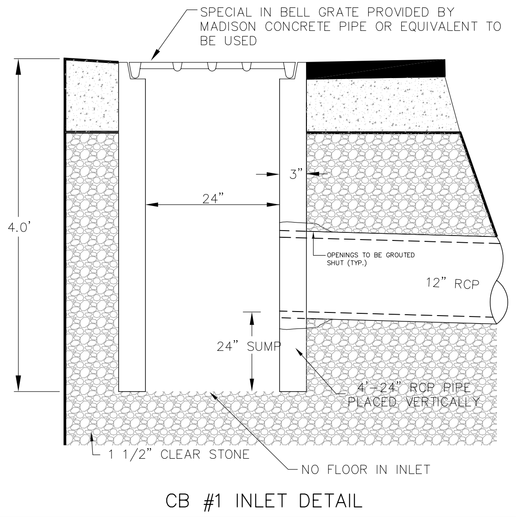
0' 10' 20'

EX. HYDRANT LOCATION AND DESCRIPTION

1 HYDRANT NE CORNER LANGDON ST. AND N. LAKE ST.
1 HYDRANT SE CORNER MENDOTA CT. AND N. LAKE ST.
1 HYDRANT E END OF MENDOTA CT. CUL DE SAC
1 HYDRANT NW CORNER STATE ST. AND N. LAKE ST.
1 HYDRANT E SIDE HAWTHORNE CT. 125 FEET SOUTH OF STATE ST.
1 HYDRANT SE CORNER STATE ST. AND FRANCES ST.
1 HYDRANT NW CORNER FRANCES ST. AND STATE ST.
1 HYDRANT SW CORNER LANGDON ST. AND FRANCES ST.

LEGEND

984	EXISTING MINOR CONTOUR
985	EXISTING MAJOR CONTOUR
984	PROPOSED MINOR CONTOUR
985	PROPOSED MAJOR CONTOUR
	STORM SEWER
X 865.25	EXISTING GRADE



CB #1 INLET DETAIL

Emergency Contact
Erik Jannson
Engberg Anderson Design Partnership, Inc.
1 North Pickney St.
Madison, WI 53703
(608) 250-0100

Engberg Anderson **Design Partnership, Inc.**
MILWAUKEE • MADISON

Burse
Surveying and Engineering, Inc.
1400 E. Washington Ave, Suite 158
Madison, WI 53703
Phone: 608-250-9263
Fax: 608-250-9266
e-mail: burse@chorus.net

UNIVERSITY OF WISCONSIN HILLEL

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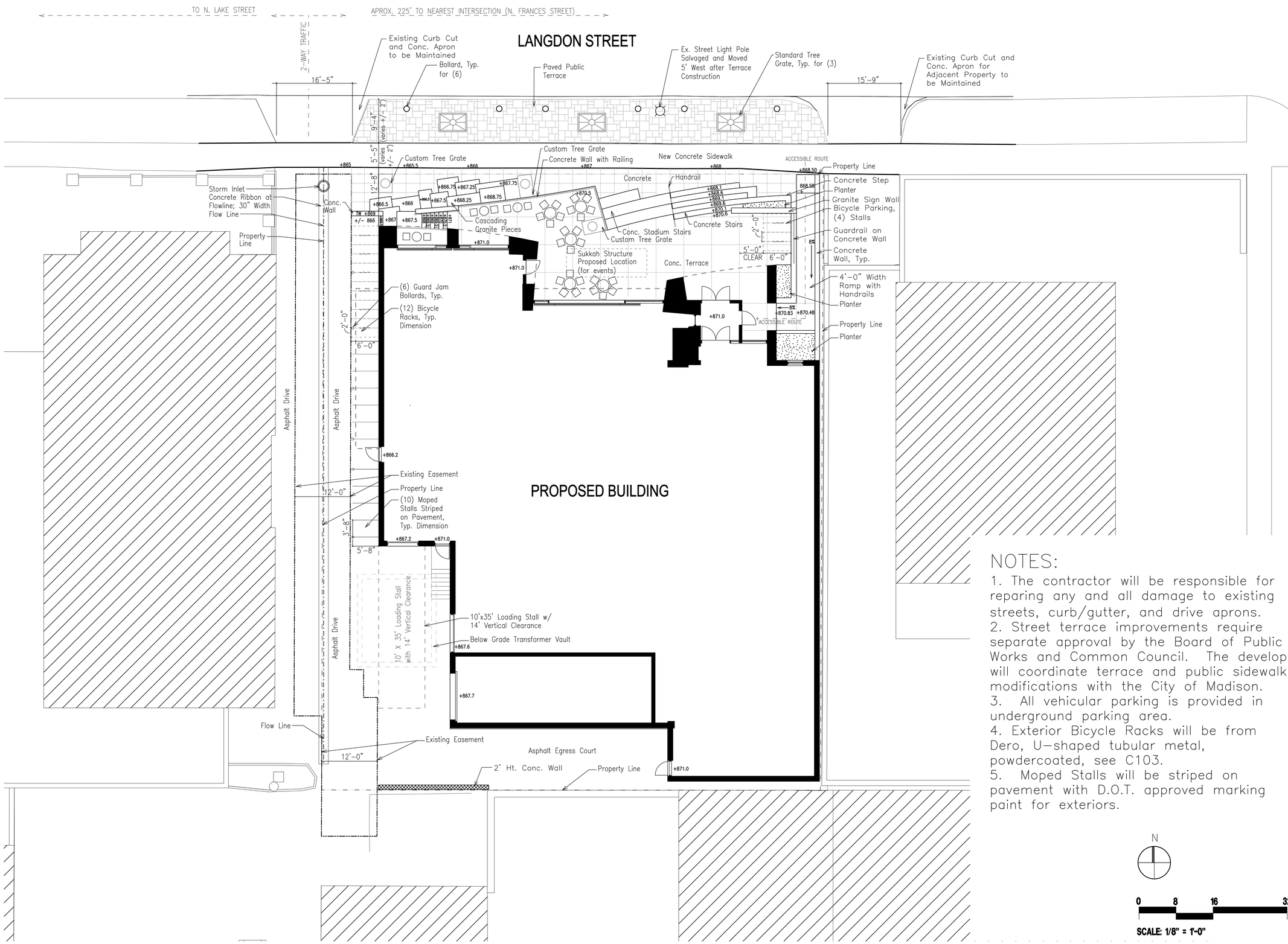
Drawn by
Checked By
File

Grading & Utility Plan

C102



NOTES:

1. The contractor will be responsible for reparing any and all damage to existing streets, curb/gutter, and drive aprons.
2. Street terrace improvements require separate approval by the Board of Public Works and Common Council. The developer will coordinate terrace and public sidewalk modifications with the City of Madison.
3. All vehicular parking is provided in underground parking area.
4. Exterior Bicycle Racks will be from Dero, U-shaped tubular metal, powdercoated, see C103.
5. Moped Stalls will be striped on pavement with D.O.T. approved marking paint for exteriors.

N

0 8 16 32

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

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MILWAUKEE • MADISON

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Site Layout Plan

C101

EXISTING CURB TO REMAIN

REMOVE AND SALVAGE EXISTING STREET LIGHT AND POLE

LANGDON STREET

SILT FENCE

EX CONCRETE SIDEWALK

EXISTING SIDEWALK TO BE REPLACED AT COMPLETION OF PROJECT

DRIVE-OVER WEEPER (SEE DETAIL)

TYPE C INLET PROTECTION (EXISTING AND NEW INLETS)

CONSTRUCTION ENTRANCE

MAINTAIN ACCESS TO ALLEY DURING CONSTRUCTION.

COORDINATE RELOCATION OF TELEPHONE AND POWER SERVICES WITH LOCAL PROVIDES

RESIDENTIAL
619 LANGDON ST

UNDERGROUND PARKING ENTRANCE TO REMAIN IN SERVICE THROUGHOUT CONSTRUCTION

611 LANGDON STREET

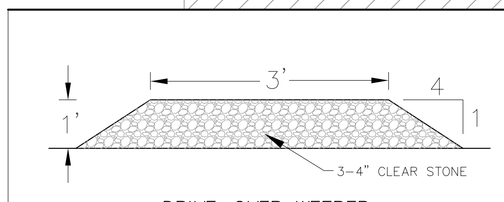
EXISTING BUILDING TO BE DEMOLISHED AND REMOVED

DEMOLITION, RECYCLING, AND REFUSE PLAN TO CONFORM WITH CITY STANDARDS

HOTEL
601 LANGDON ST

DEMOLISH/MOVE OVERHEAD ELECTRIC LINE AND TELEPHONE PEDESTALS

0 10 20



DRIVE-OVER WEEPER

LEGEND

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985	PROPOSED MAJOR CONTOUR
	STORM SEWER
X 865.25	EXISTING GRADE
	INLET PROTECTION
	SILT FENCE
	EXISTING TREE TO BE REMOVED

Erosion Control Notes/Specifications:

1. Erosion control devices and/or structures shall be installed prior to clearing and grubbing operations. These shall be properly maintained for maximum effectiveness until vegetation is re-established.

2. Erosion control is the responsibility of the contractor until acceptance of this project. Erosion control measures as shown shall be the minimum precautions that will be allowed. The contractor shall be responsible for recognizing and correcting all erosion control problems that are the result of construction activities. Additional erosion control measures, as requested in writing by the state or local inspectors, or the developer's engineer, shall be installed within 24 hours.

3. All erosion control measures and structures serving the site must be inspected at least weekly or within 24 hours of the time 0.5 inches of rain is produced. All maintenance will follow an inspection within 24 hours.

4. Construction Entrances
Provide a stone tracking pad at each point of access. Install according to WDNR Standard 1057. Refer to WDNR's stormwater web page of technical standards at: http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#Construction.

5. Storm Sewer Inlets
Provide WDOT Type D "CatchAll" inlet protection or equivalent. Refer to WDOT Product Acceptability List at: http://www.dot.wisconsin.gov/business/engrserv/pal.htm. Inlet protection shall be installed prior to the stormsewer system receiving site runoff. Other than for performing maintenance, these devices shall not be removed until plat-level stabilization is complete.

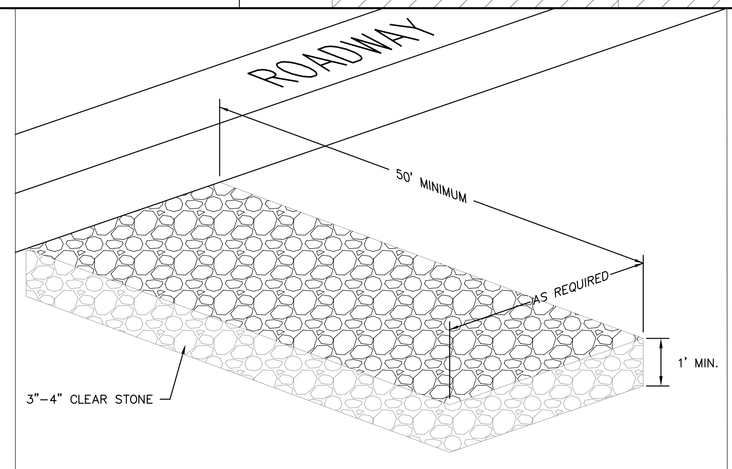
6. Erosion control devices shall adhere to the technical standards found at: http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm and comply with all City of Madison ordinances.

7. All debris tracked onto public streets shall be be swept or scraped clean by the end of each workday.

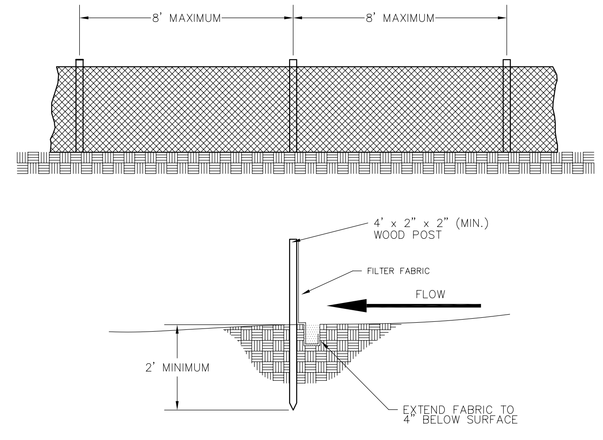
8. All disturbed areas shall be seeded immediately after grading activities have been completed.

9. All disturbed areas, except paved areas, shall receive a minimum of four (4) inches of topsoil, fertilizer, seed, and mulch. Seed mixture 40 shall be used on all areas. Mixtures shall be in accordance with section 630 of Wisconsin D.O.T. specifications. Seed mixtures and fertilizer shall be applied at the rate of seven (7) pounds per 1,000 square feet. Mulch shall be applied at the rate of 2 tons per acre and shall be anchored into the soil by discing or other approved method. Crimping shall be performed on the contour to prevent the formation of rills or gullies. Seeding and sodding may only be used from May 1st to September 15th of any year. Temporary seed shall be used after September 15. If temporary seeding is used, a permanent cover shall also be required as part of the final site stabilization.

10. For the first six (6) weeks after the initial stabilization of a disturbed area, watering shall be performed whenever more than seven (7) days of dry weather elapse.



STONE CONSTRUCTION ENTRANCE



SILT FENCE CONSTRUCTION

Emergency Contact
Erik Jarinson
Engberg Anderson Design Partnership, Inc.
1 North Pickney St.
Madison, WI 53703
(608) 250-0100

Schedule:

Nov. 12, 2007	Install silt fence and construction entrance. Begin demolition of existing building. Cover any non-hardscape areas with heavily applied mulch or wood chips for the duration of the project to reduce erosion and tracking.
Sept. 15, 2008	Complete hardscapes and landscaping.
Oct 15, 2008	Landscaping complete.

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Burse Surveying and Engineering, Inc.
1400 E. Washington Ave, Suite 158
Madison, WI 53703
Phone: 608-250-9263
Fax: 608-250-9266
e-mail: burse@chorus.net

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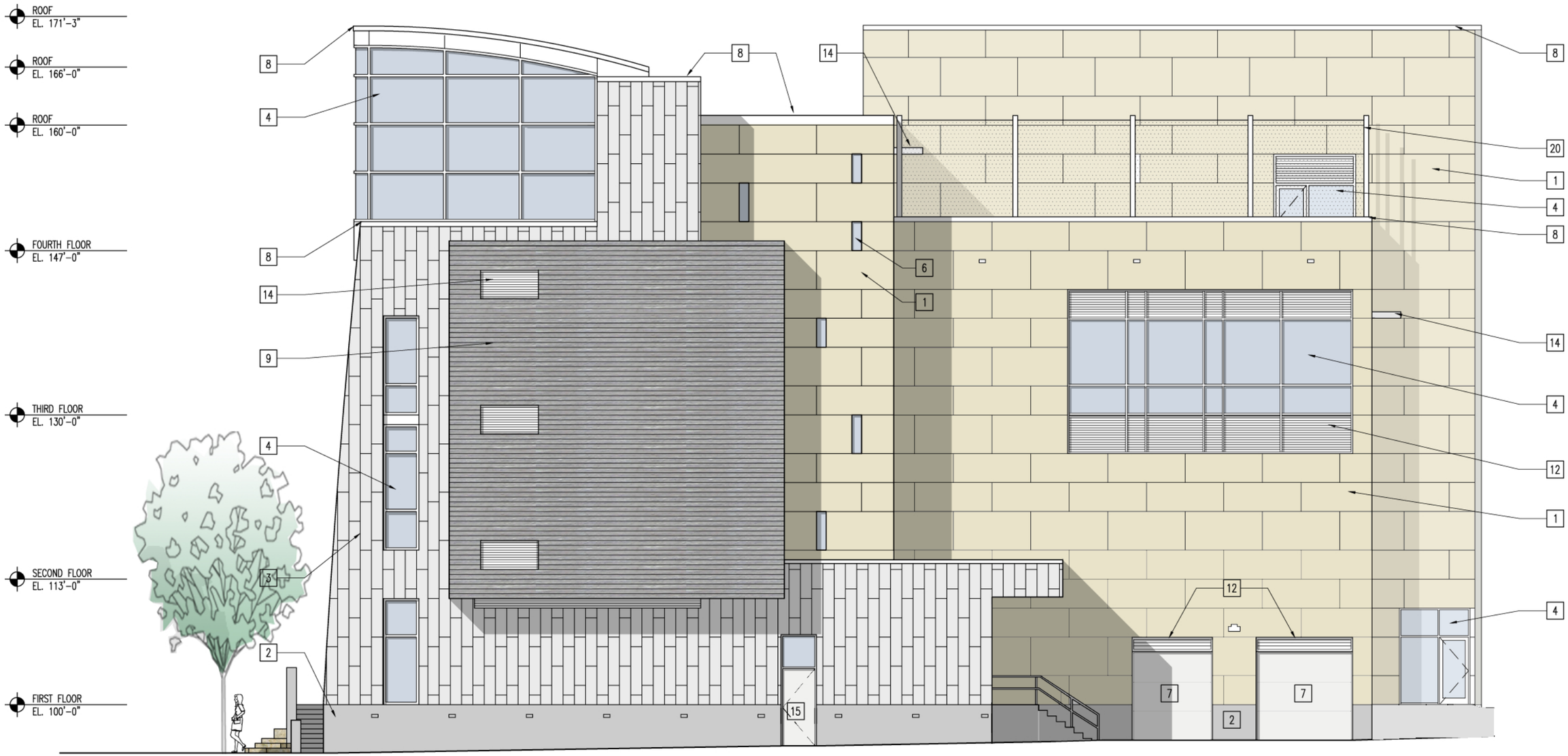
Site Demolition & Erosion Control Plan

C100



KEYED NOTES

1	CEMENT BOARD PANEL	8	PREFINISHED METAL FASCIA	15	INSULATED METAL DOOR (PAINTED)
2	SITE CAST SANDBLASTED CONCRETE	9	TONGUE & GROOVE IPE (SUSTAINABLY HARVESTED)	16	STAINLESS STEEL GUARDRAIL W/ CABLE SYSTEM
3	HOOK AND STRAP BRUSHED STAINLESS STEEL PANELS	10	PREFINISHED METAL LOUVERS	17	STAINLESS STEEL HANDRAIL
4	CLEAR INSULATED LOW-E GLAZING IN ANODIZED ALUMINUM FRAME	11	GRANITE	18	CUT METALLIC LETTERING ON STAND-OFFS
5	CLEAR INSULATED LOW-E GLAZING IN BUTT GLAZED CURTAIN WALL	12	PREFINISHED METAL LOUVERS	19	JERUSALEM STONE
6	GLASS BLOCK (1-HR RATED AT EAST ELEVATION)	13	8" EXTERIOR SEALED CMU	20	RECREATION NET ON ALUMINUM STRUCTURE
7	INSULATED OVERHEAD DOOR - MFR. STANDARD COLOR	14	GALVANIZED HORIZONTAL SUN SHADE	21	BANNER LOCATIONS

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WEST ELEVATION
3/32" = 1'-0"

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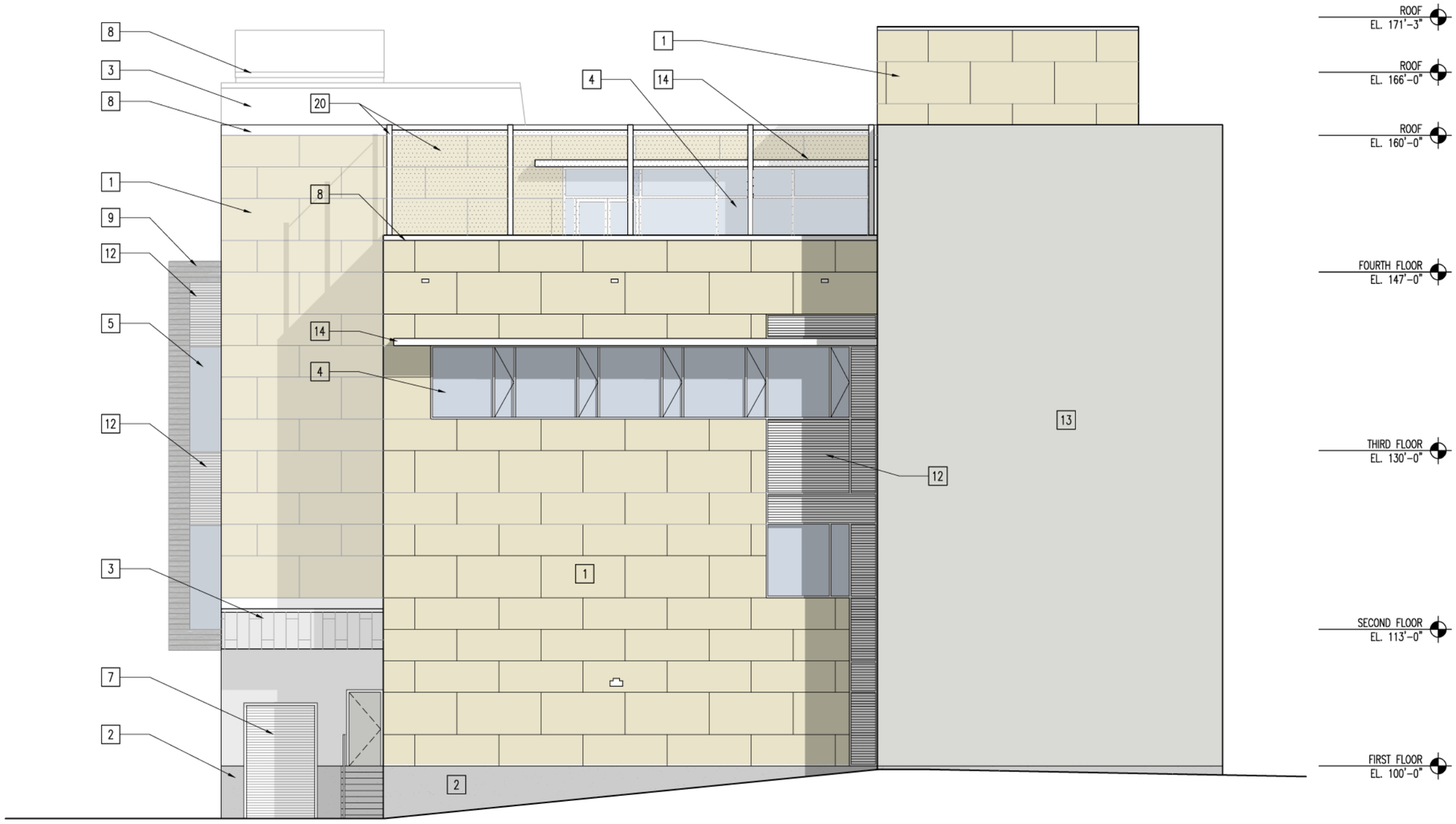
A402b



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SOUTH ELEVATION
3/32" = 1'-0"

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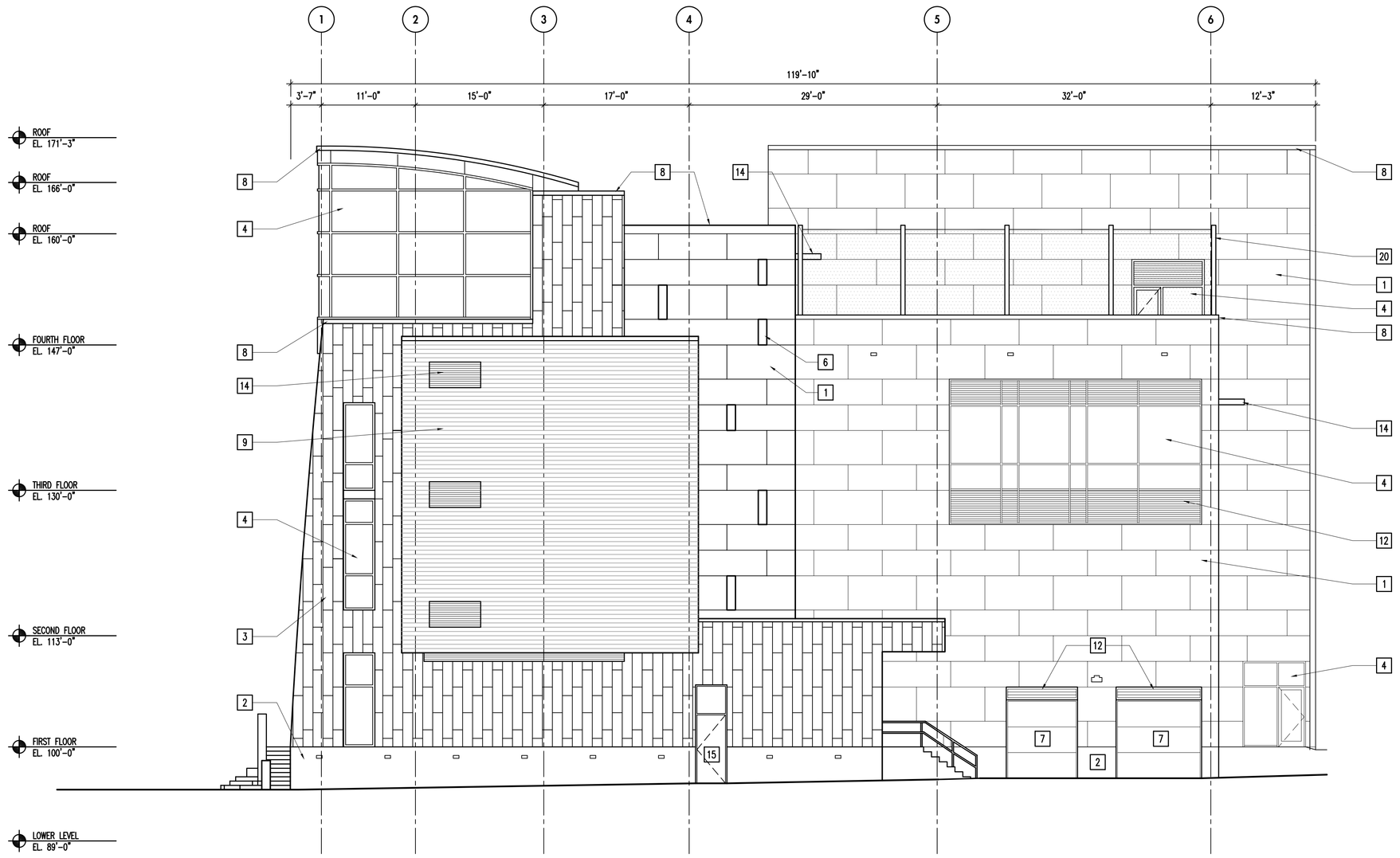
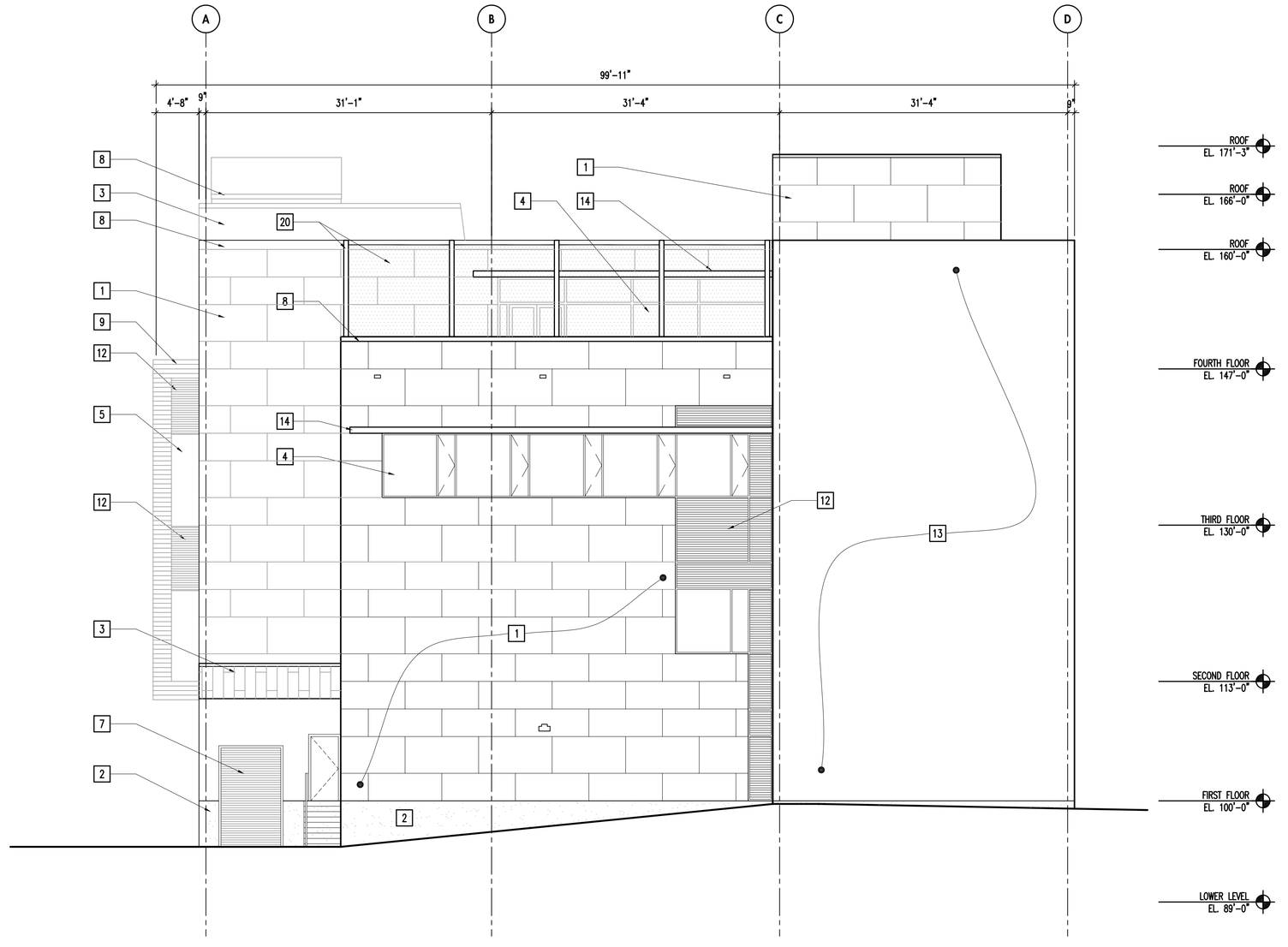
A402a



1/A5 West Elevation
SCALE: 1/8"=1'-0"



2/A5 South Elevation
SCALE: 1/8"=1'-0"

KEYED NOTES

1. CEMENT BOARD PANEL
2. SITE CAST SANDBLASTED CONCRETE
3. HOOK AND STRAP BRUSHED STAINLESS STEEL PANELS
4. CLEAR INSULATED LOW-E GLAZING IN ANODIZED ALUMINUM FRAME
5. CLEAR INSULATED LOW-E GLAZING IN BUTT GLAZED CURTAIN WALL
6. GLASS BLOCK (1-HR RATED AT EAST ELEVATION)
7. INSULATED OVERHEAD DOOR - MFR. STANDARD COLOR
8. PREFINISHED METAL FASCIA
9. TONGUE & GROOVE IPE (SUSTAINABLY HARVESTED)
10. PREFINISHED METAL LOUVERS
11. GRANITE
12. PREFINISHED METAL LOUVERS
13. 8" EXTERIOR SEALED CMU
14. GALVANIZED HORIZONTAL SUN SHADE
15. INSULATED METAL DOOR (PAINTED)
16. STAINLESS STEEL GUARDRAIL W/ CABLE SYSTEM
17. STAINLESS STEEL HANDRAIL
18. CUT METALLIC LETTERING ON STAND-OFFS
19. JERUSALEM STONE
20. RECREATION NET ON ALUMINUM STRUCTURE

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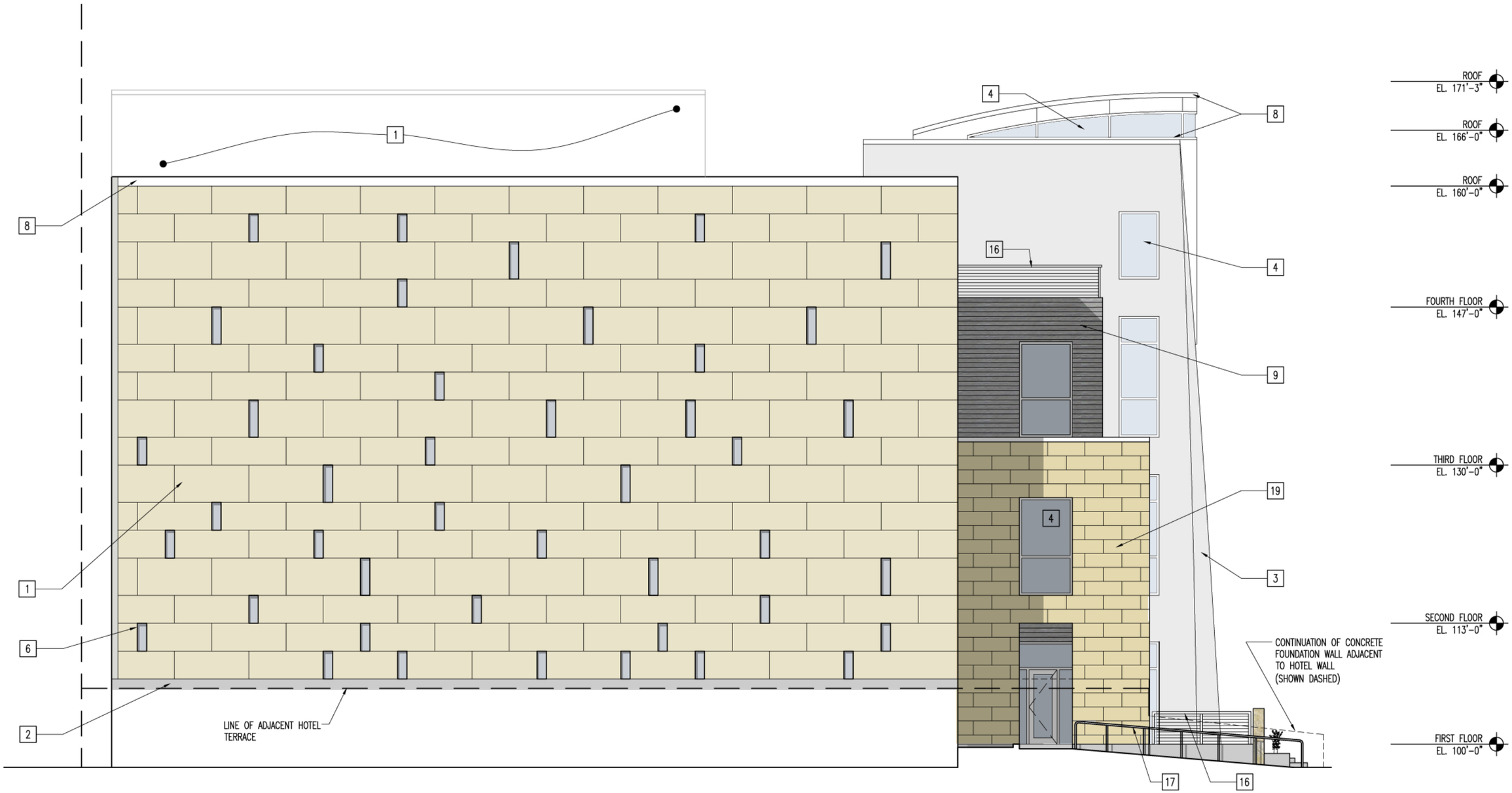
Exterior Elevations - West and South

A402



KEYED NOTES

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EAST ELEVATION
3/32" = 1'-0"

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A401b

KEYED NOTES

1	CEMENT BOARD PANEL	8	PREFINISHED METAL FASCIA	15	INSULATED METAL DOOR (PAINTED)
2	SITE CAST SANDBLASTED CONCRETE	9	TONGUE & GROOVE IPE (SUSTAINABLY HARVESTED)	16	STAINLESS STEEL GUARDRAIL W/ CABLE SYSTEM
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NORTH ELEVATION
3/32" = 1'-0"

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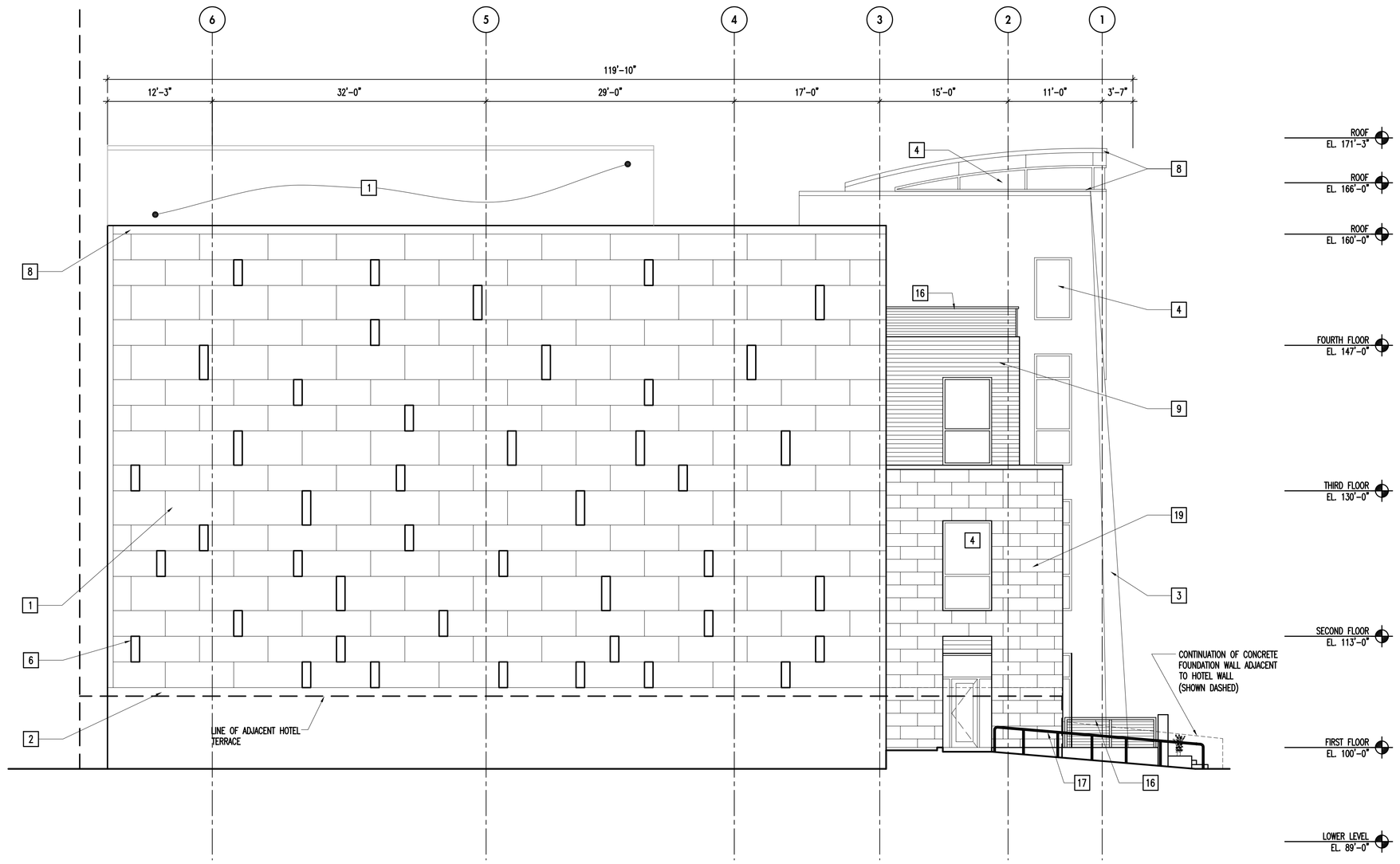
A401a



1/M East Elevation
SCALE: 1/8"=1'-0"

2/M North Elevation
SCALE: 1/8"=1'-0"

KEYED NOTES

1. CEMENT BOARD PANEL
2. SITE CAST SANDBLASTED CONCRETE
3. HOOK AND STRAP BRUSHED STAINLESS STEEL PANELS
4. CLEAR INSULATED LOW-E GLAZING IN ANODIZED ALUMINUM FRAME
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21. BANNER LOCATIONS

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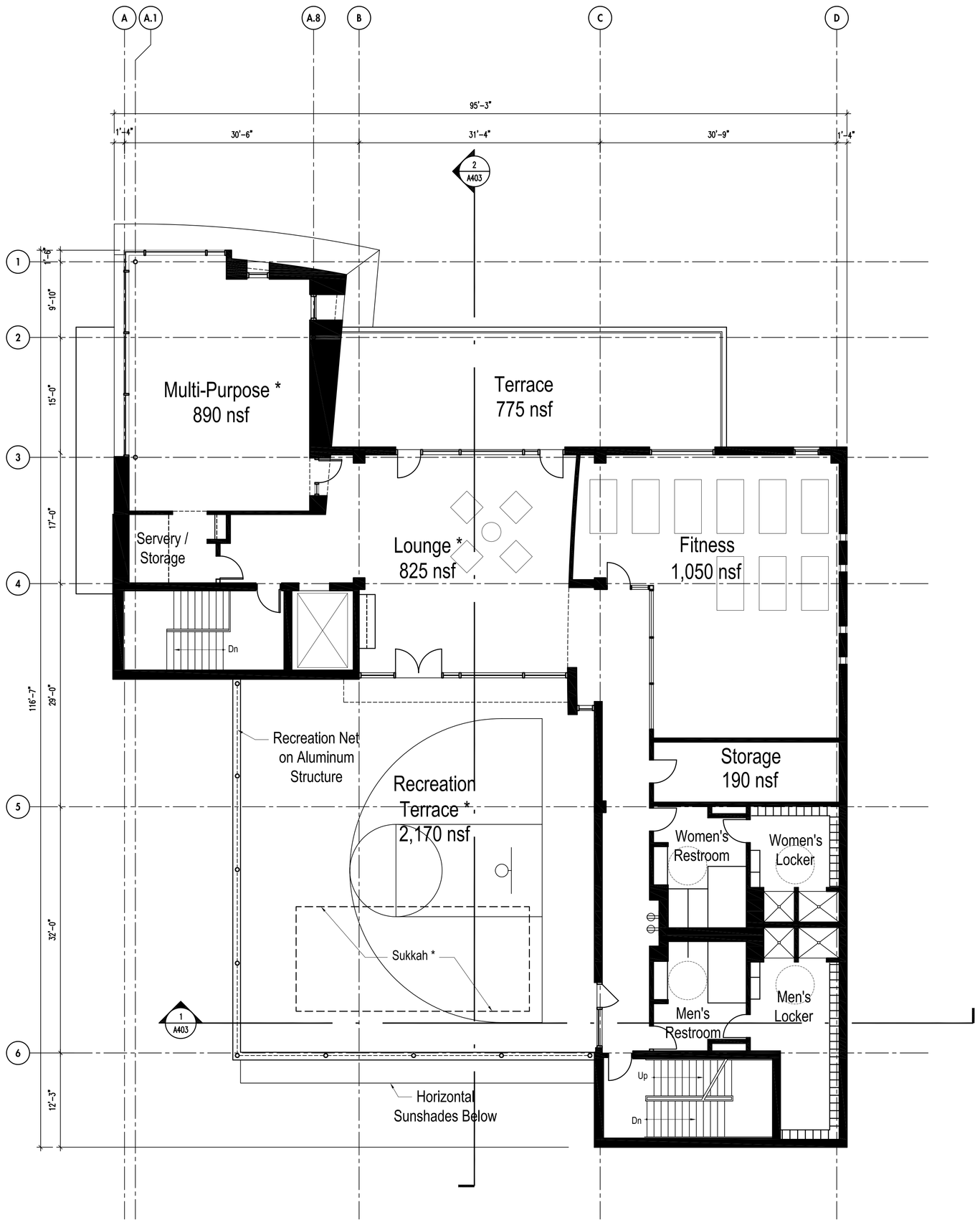
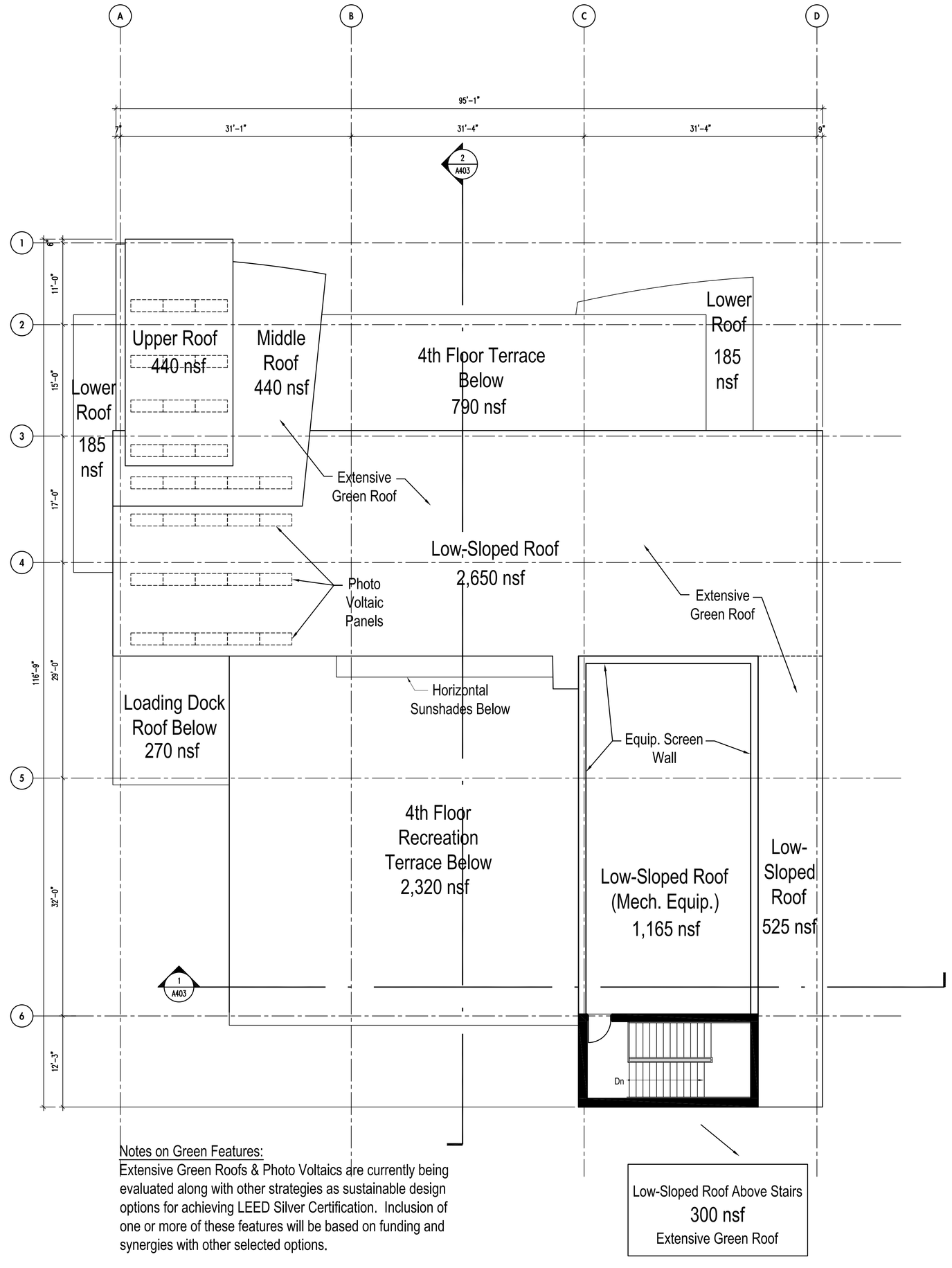
Exterior Elevations - East and North

A401



* Indicates room or area used as worship space



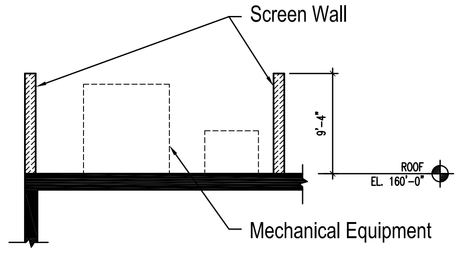
Notes on Green Features:
Extensive Green Roofs & Photo Voltaics are currently being evaluated along with other strategies as sustainable design options for achieving LEED Silver Certification. Inclusion of one or more of these features will be based on funding and synergies with other selected options.

Low-Sloped Roof Above Stairs
300 nsf
Extensive Green Roof

1 A3 Fourth Floor
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'



3 A3 Mechanical Screen Section
SCALE: 1/8"=1'-0"

0 8' 16' 32'

2 A3 Roof Plan
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'

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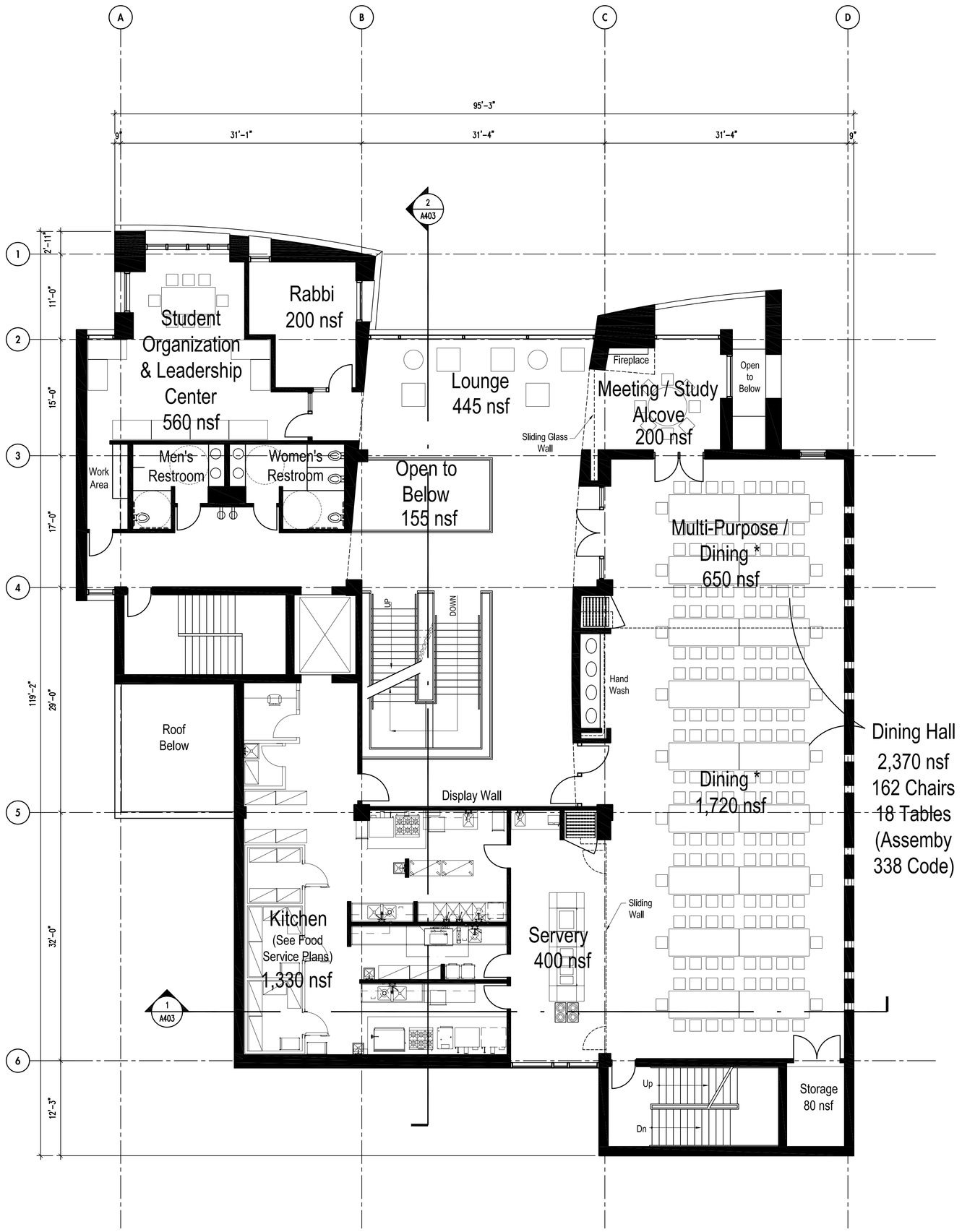
Fourth Floor and Roof Plans

A103

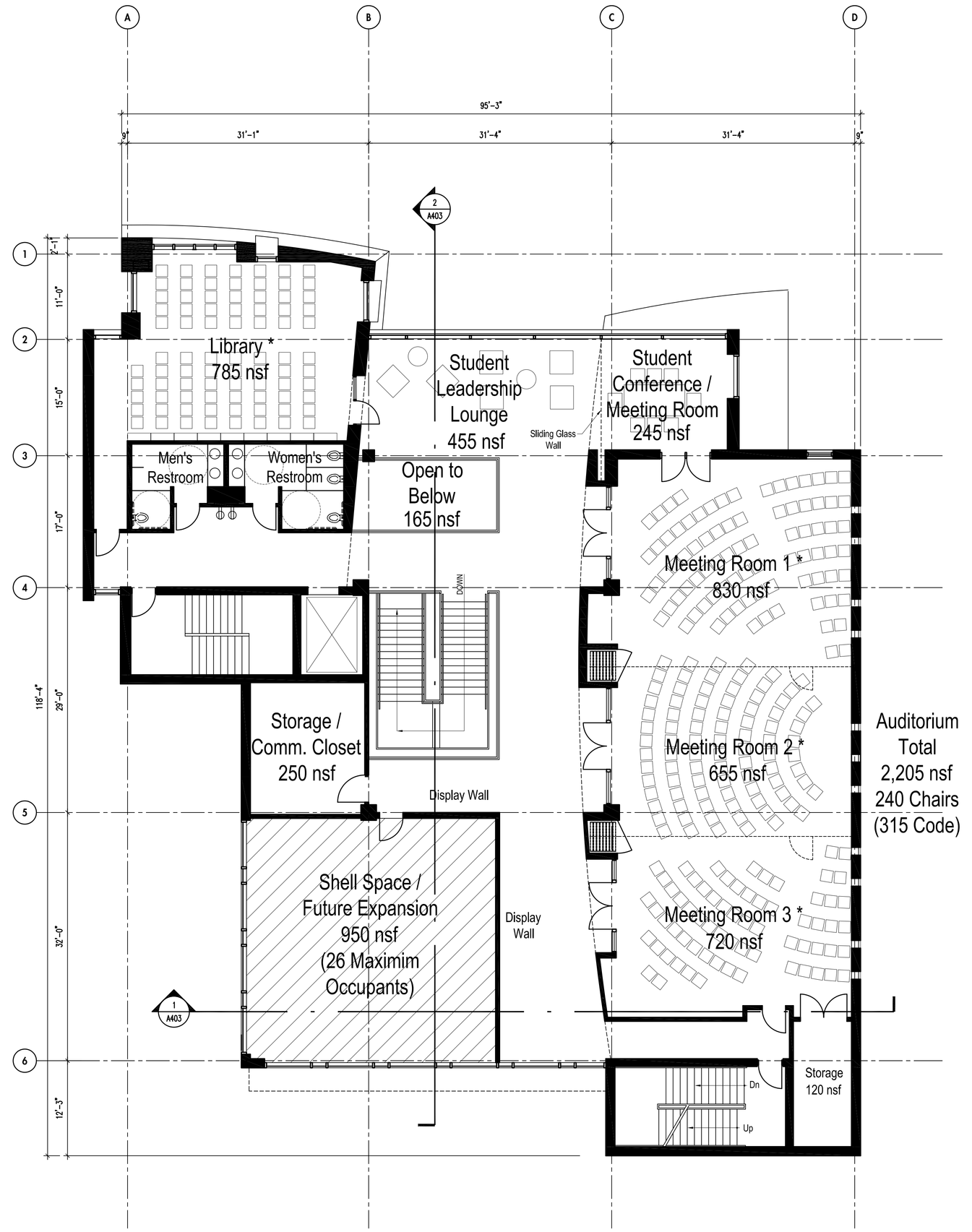


* Indicates room used as worship space

1 A2 Second Floor
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'



* Indicates room used as worship space

2 A2 Third Floor
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'

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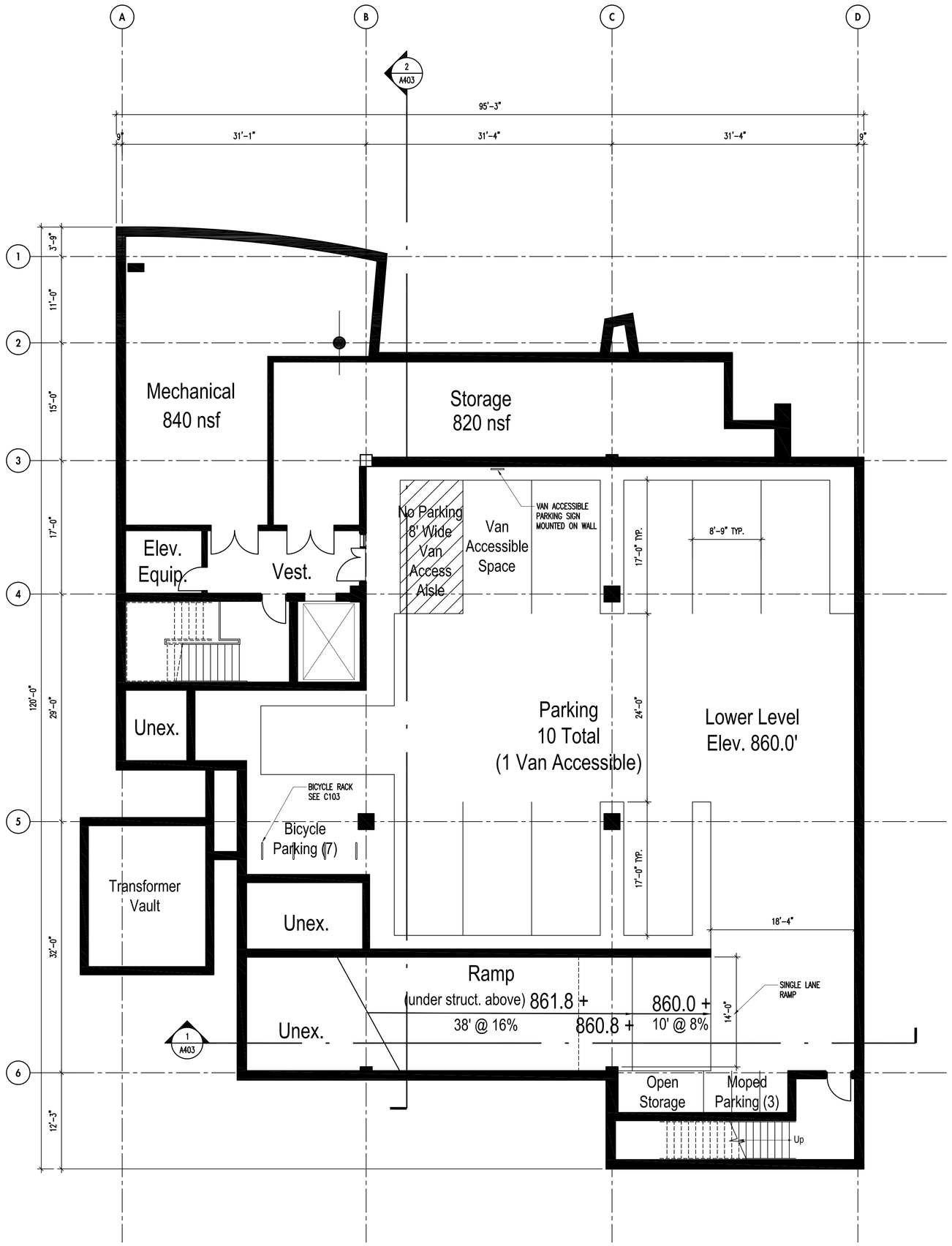
Second and Third Floor Plans

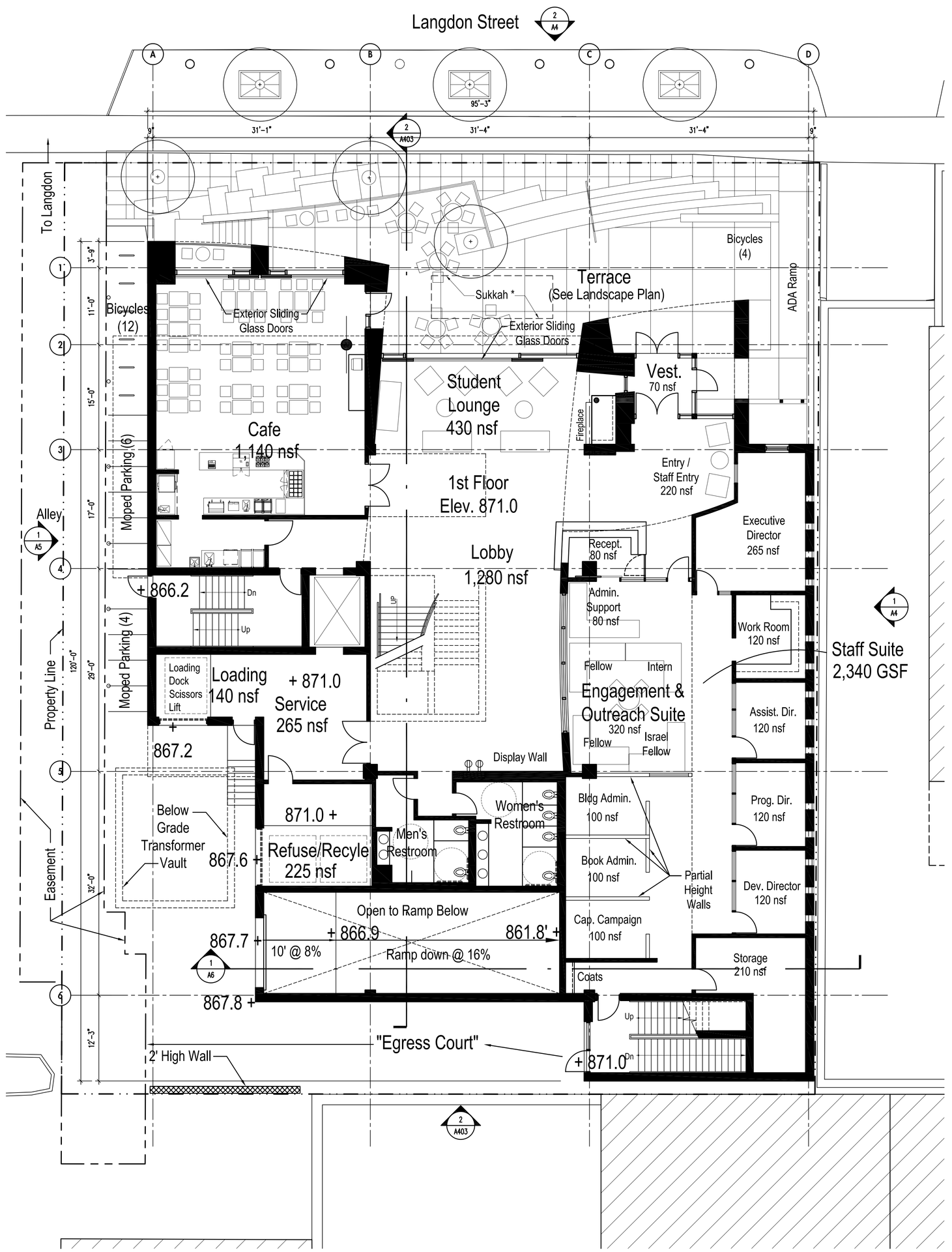
A102



1 A1 Lower Level
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'



2 A1 First Floor
SCALE: 1/8"=1'-0"

NORTH

0 8' 16' 32'

Building Square Footage Summary

Roof	300 GSF
4th Floor	5,675 GSF
3rd Floor	8,945 GSF
2nd Floor	9,140 GSF
1st Floor	8,255 GSF
Lower Level	8,450 GSF
Total	40,765 GSF

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Lower Level and First Floor Plans

A101

EngbergAnderson Design Partnership, Inc.

Memorandum

August 29, 2007

To: **Al Martin** City of Madison

From: **Paul Cuta** Engberg Anderson Design Partnership

Re: Urban Design Commission – Initial Approval/Requesting Final
University of Wisconsin Hillel
The Barbara Hochberg Center for Jewish Student Life
Engberg Anderson Project No. 071690.00

The following is additional narrative information for the Urban Design Commission. For additional information regarding the project, see the attached Letter of Intent as submitted for Plan Commission review two weeks ago.

PROJECT NARRATIVE

The University of Wisconsin Hillel resides in a 12,100 square foot building constructed in 1956. Located at 611 Langdon Street, the building is one block from the eastern edge of the UW campus. With approximately 5,000 Jewish students on campus it is one of the largest and most active Hillel programs in the world. Hillel provides a home and support to its many independent student organizations and represents every expression of Jewish life and religious, cultural, political, traditional and alternative. Hillel works to create a community on this large state campus and enables students to have a voice in their community one that will help them maintain their ties to Judaism.

UW Hillel is proposing to remove the existing building and construct a new, approximately 40,000 square foot facility on the site. The new building will contain four above grade levels with a below grade parking level. The multi-use facility will be designed to house religious assembly areas, reception, offices, a library, religious based food service, student study areas, locker rooms, an exercise room, and several multi-purpose rooms.

The new facility will have outdoor features including at grade and elevated terraces. The at grade terrace in front of the building on Langdon Street will provide functional space for gathering and outdoor seating for a first floor/street side Kosher cafe. Elevated terraces on the upper floors will include gathering space facing Langdon Street and a recreation court at the fourth (highest) floor. Other exterior features include a loading area for deliveries, trash and

1 North Pinckney Street
Madison, Wisconsin 53703
www. eadp.com
Ph 608 250 0100 Fx 608 250 0200

recycling collection, bicycle and moped parking, ADA compliant access ramp, and vehicle access to the below grade parking level.

Hillel facilities have a long history of being progressive places of community gathering. While it is important for the Hillel facility to have a distinct and progressive presence on Langdon and in the UW community, it is equally important that the facility reflect the connectivity, character and longevity of this organization. Much of the architecture is directed at accomplishing these goals and begins with the stepping back of the main building mass to create a community terrace and fore-court to the building. This space is not only about arrival, but is equally important as a place to activate the streetscape with an inviting place to gather with classmates, friends and neighbors. It is also a place for sharing unique traditions of the Jewish community with seasonal activities and symbols such as the Sukkah. Terrace forms and materials both bow out and cascade to receive pedestrian traffic from the west while the formal stairs radiate in a welcoming arc and project out to receive traffic arriving from the east along the neighboring sidewalk wall. Features such as stadium steps and a cascade of granite blocks invite students to hang-out, see and be seen on the street. The building form steps out at the northwest corner to hold the street edge of the adjoining buildings. This element is articulated as a vertical form intended to both break down the mass of the building while affording unique occupancy and programming opportunities from with-in the facility at what has been coined the "110%" corner. Occupants of the metal clad tower have unique views up and down Langdon Street. The top of the tower is eroded to reveal a significant gathering room on the 4th level that will include limited lake views and will act as a lantern or beacon for the Hillel community. Opposite this form, near the East edge of the terrace and projecting slightly into the terrace area from the building mass is the building entry. This is articulated in a substantial stone form that reinforces the solidity and commitment of this community. The mass is carved back to welcome guests to enter through a portal that greets guests with high quality, tactile materials. The permanence and significance of this mass is further reinforced on the inside of the building with a hearth to welcome people as they arrive on the main level and a second hearth located in a more intimate, contemplative setting on the second level. A large wood and butt-glazed "window box" bridges these two significant forms on Langdon. This form is intended to be expressive of the heart and soul of this facility, the students! It is articulated to highlight the series of stacked lounges that are purposefully located on the street. The face of the building is essentially seen as a scrim with the activity of the students, facility and streetscape as the show in and from the window box. The large expanse of glass on the north face is also intended to introduce natural lighting deep into the building core via a central atrium space.

The main form of the building is a rather simple, square form that is intended to be the quiet stage set for the activity of the streetscape elements. Although it is a relatively simple form, care has been taken to thoughtfully articulate all sides of this mass. The east elevation appears to be a simple, zero lot line wall, however the playful arrangement of a random fenestration provides an artful surface of panel and glass. This experience of the wall is heightened both inside and out by the use of daylight and artificial light through these narrow slot windows that will provide a soft glow in a playful modulation of the surface. This expression reinforces the significance of the

east wall in the facility and will transform the experience of it day and night, inside and out. The west elevation engages several of the building forms. The metal clad tower element is interlocked into the simple box mass to anchor both elements to the sandblasted concrete base. The wood window box projects from the tower mass. This gesture allows the introduction of daylight into west side program spaces while maintaining the privacy of the adjacent student housing units across the alley. The top of the cement panel clad box is cut back at the southwest corner to provide a significant roof top terrace. This terrace takes advantage of the site orientation and offers an important opportunity to reclaim exterior activity space that is lost by the expansion of the facility. The south elevation fenestration is articulated with a composition of windows, louvers and cement panels. The windows provide excellent day-lighting to a future office suite on the third level and will include solar shading devices. Both the roof terrace and these windows are highly visible from State Street and will help to provide a visible presence of Hillel in the community.

A general summary of exterior materials include site cast concrete, both formed and sandblasted, granite blocks, fiber cement panels with exposed fasteners, hook-strap stainless steel panels, Jerusalem stone on a granite base, ipe T&G siding, clear low-e glazing with both capped and butt-glazed window systems and a clear anodized, aluminum finish.

The planning and design of this new facility continues with the intended goal of achieving the Silver Certification as established in the LEED program of the United States Green Building Council (USGBC). Several of the sustainable design principals intended to be implemented include: day-lighting, solar shading, grey water system, waterless urinals, dual-flush toilets, heat recovery wheel from kitchen exhaust, green roofing alternatives (both high reflectance and extensive) and a solar hot water preheat system.

The current schedule anticipates demolition of the existing facility in late fall of 2007 and construction to follow.

The parcel is currently zoned R6, and is in process for conversion to a PUD.

CONTACTS

Owner:
The University of Wisconsin Hillel
Greg Steinberger, Director

Architect:
Engberg Anderson Design Partnership
Paul Cuta, Partner
Erik Jansson, Project Architect (Contact)

Construction Manager / Contractor:
J.H. Findorff & Sons, Inc.
Sam Lawrence
Steve Klaven

Please find the attached supporting information for our Urban Design Commission Submittal. If there are any questions or issues with this submittal, please contact Erik Jansson at Engberg Anderson Design Partnership.

Paul Cuta
Partner

PC/EJ

Copied File
Without attachments to:
Greg Steinberger, UW Hillel
Michael Huffman, Huffman Facility Development
Sam Lawrence, Findorff

Attachments
Letter of Intent for Plan Commission Submittal (dated August 14th, 2007) with attachments
- this includes PUD Text

Drawing Set (11x17)
- includes Proposed Signage & Lighting Cut Sheets (8.5x11)