



Location  
237 Langdon Street

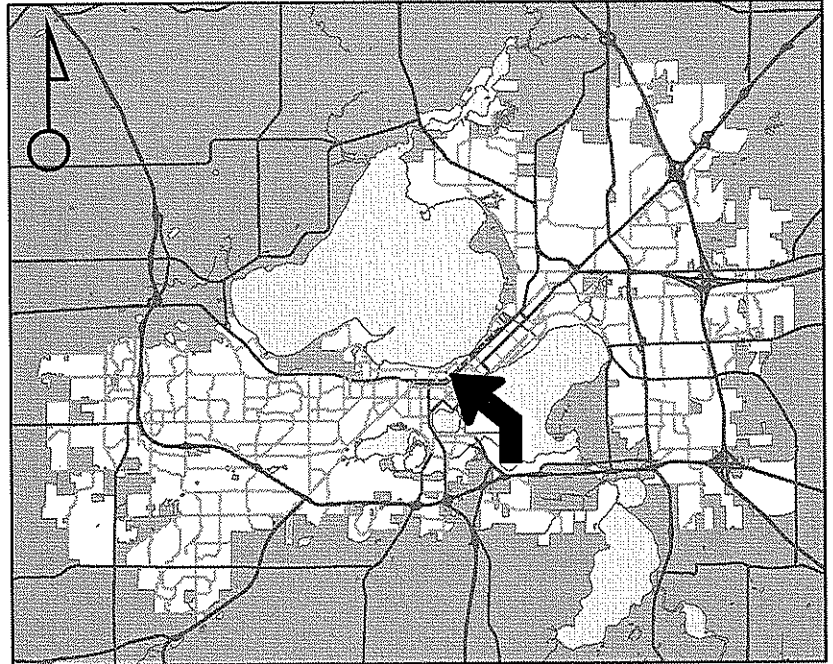
Project Name  
Sigma Phi Epsilon Fraternity

Applicant  
Barry Norem –  
WI Beta Sigma Phi Epsilon Corp

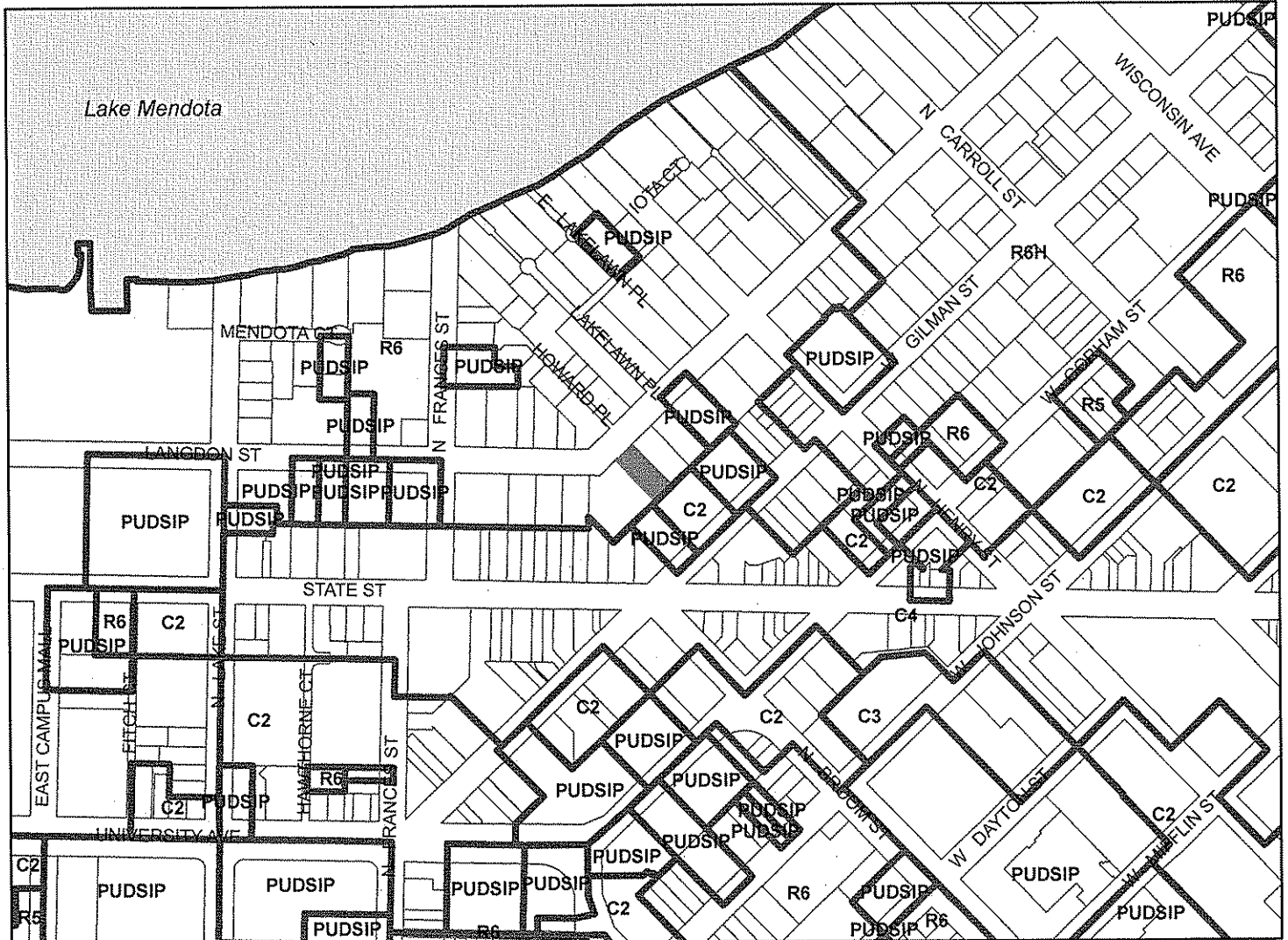
Existing Use  
Former Site of Sigma Phi  
Epsilon Fraternity House

Proposed Use  
Construct New Sigma Phi Epsilon  
Fraternity and Lodging House

Public Hearing Date  
Plan Commission  
24 May 2010



For Questions Contact: Heather Stouder at: 266-5974 or [hstouder@cityofmadison.com](mailto:hstouder@cityofmadison.com) or City Planning at 266-4635



Scale : 1" = 400'

City of Madison, Planning Division : RPJ : Date : 11 May 2010





# LAND USE APPLICATION Madison Plan Commission

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

- The following information is required for all applications for Plan Commission review except subdivisions or land divisions, which should be filed with the Subdivision Application.
- Before filing your application, please review the information regarding the **LOBBYING ORDINANCE** on the first page.
- Please read all pages of the application completely and fill in all required fields.
- This application form may also be completed online at [www.cityofmadison.com/planning/plan.html](http://www.cityofmadison.com/planning/plan.html)
- All Land Use Applications should be filed directly with the Zoning Administrator.

FOR OFFICE USE ONLY:	
Amt. Paid	<u>SW -</u> Receipt No. _____
Date Received	<u>4-6-10</u>
Received By	<u>mwt</u>
Parcel No.	<u>0709-144-2006-6</u>
Aldermanic District	<u>8 - Engson</u>
GO	<u>NRHP, Adj. to landmark.</u>
Zoning District	<u>R6, DD2.4</u>
For Complete Submittal	
Application	Letter of Intent <input checked="" type="checkbox"/>
IDUP	Legal Descript. <input type="checkbox"/>
Plan Sets	Zoning Text <input checked="" type="checkbox"/>
Alder Notification	Waiver <input type="checkbox"/>
Ngrbrhd. Assn Not.	Waiver <input type="checkbox"/>
Date Sign Issued	<u>4-6-10</u>

1. Project Address: 237 Langdon Street

Project Area in Acres: .18

Project Title (if any): Sigma Phi Epsilon Fraternity

## 2. This is an application for:

Zoning Map Amendment (check the appropriate box(es) in only one of the columns below)	
<input type="checkbox"/> <b>Rezoning to a Non-PUD or PCD Zoning Dist.:</b> Existing Zoning: _____ to _____ Proposed Zoning (ex: R1, R2T, C3): _____	<b>Rezoning to or Amendment of a PUD or PCD District:</b> <input type="checkbox"/> Ex. Zoning: _____ to PUD/PCD-GDP <input type="checkbox"/> Ex. Zoning: _____ to PUD/PCD-SIP <input type="checkbox"/> Amended Gen. Dev. <input type="checkbox"/> Amended Spec. Imp. Plan
<input checked="" type="checkbox"/> <b>Conditional Use</b>	<input type="checkbox"/> <b>Demolition Permit</b>
<input type="checkbox"/> <b>Other Requests (Specify):</b> _____	

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

Applicant's Name: Barry Norem Company: Wisconsin Beta Sigma Phi Epsilon Corp  
 Street Address: 237 Langdon Street City/State: Madison, WI Zip: 53703-1208  
 Telephone: (608) 221-9354 Fax: ( ) Email: \_\_\_\_\_

Project Contact Person: Barry Norem Company: Sigma Phi Epsilon  
 Street Address: 6113 Fairfax Lane City/State: Madison, WI Zip: 53718  
 Telephone: (608) 221-9354 Fax: ( ) Email: bnorem@1066@aol.com

Property Owner (if not applicant): \_\_\_\_\_  
 Street Address: \_\_\_\_\_ City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

## 4. Project Information:

Provide a brief description of the project and all proposed uses of the site: \_\_\_\_\_  
 Construction of a new fraternity to replace existing fraternity destroyed by fire

Development Schedule: Commencement July 2010 Completion July 2011

**5. Required Submittals:**

- Plans** submitted as follows below and depicts all lot lines; existing, altered, demolished or proposed buildings; parking areas and driveways; sidewalks; location of any new signs; existing and proposed utility locations; building elevations and floor plans; landscaping, and a development schedule describing pertinent project details:
  - **7 copies** of a full-sized plan set drawn to a scale of one Inch equals 20 feet (collated and folded)
  - **7 copies** of the plan set reduced to fit onto 11 inch by 17 inch paper (collated, stapled and folded)
  - **1 copy** of the plan set reduced to fit onto 8 1/2 inch by 11 inch paper
- Letter of Intent (12 copies):** describing this application in detail including, but not limited to: existing conditions and uses of the property; development schedule for the project; names of persons involved (contractor, architect, landscaper, business manager, etc.); types of businesses; number of employees; hours of operation; square footage or acreage of the site; number of dwelling units; sale or rental price range for dwelling units; gross square footage of building(s); number of parking stalls, etc.
- Legal Description of Property:** Lot(s) of record or metes and bounds description prepared by a land surveyor. For any application for rezoning, the description must be submitted as an electronic word document via CD or e-mail. For applications proposing rezoning to more than one district, a separate description of each district shall be submitted.
- Filing Fee:** \$ 550 See the fee schedule on the application cover page. Make checks payable to: *City Treasurer*.
- Electronic Submittal:** All applicants are required to submit copies of all items submitted in hard copy with their application (including this application form, the letter of intent, complete plan sets and elevations, etc.) as Adobe Acrobat PDF files on a non-returnable CD to be included with their application materials, or in an e-mail sent to [pcapplications@cityofmadison.com](mailto:pcapplications@cityofmadison.com). The e-mail shall include the name of the project and applicant. Applicants unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

**In Addition, The Following Items May Also Be Required With Your Application:**

- For any applications proposing demolition or removal of existing buildings, the following items are required:
  - Prior to the filing of an application, the applicant or his/her agent is required to notify a list of interested persons registered with the City **30 or 60 days prior to filing** their application using the online notification tool found at: <https://www.cityofmadison.com/developmentCenter/demolitionNotification/>
  - A photo array (6-12 photos) of the **interior and exterior** of the building(s) to be demolished or removed. A written assessment of the condition of the building(s) to be demolished or removed is highly recommended.
  - Note: A Reuse and Recycling Plan approved by the City's Recycling Coordinator is required prior to issuance of wrecking permits and the start of construction.
- Zoning Text (12 copies):** must accompany Planned Community or Planned Unit Development (PCD/PUD) submittals.

**6. Applicant Declarations:**

- Conformance with adopted City plans:** Applications shall be in accordance with all adopted City of Madison plans:
  - The site is located within the limits of \_\_\_\_\_ Plan, which recommends: \_\_\_\_\_ for this property.
- Pre-application Notification:** Section 28.12 of the Zoning Code requires that the applicant notify the district alder and any nearby neighborhood & business associations in writing no later than **30** days prior to filing this request:
  - List below the Alderperson, Neighborhood Association(s), Business Association(s) AND dates you sent the notices:  
 Brian Eagon, District 8, contacted 2/22/10 met 3/15/10

*NOTE: If the alder has granted a waiver to this requirement, please attach any such correspondence to this form.*
- Pre-application Meeting with staff:** Prior to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning and Planning Division staff; note staff persons and date.
 

Planning Staff: Tim Parks Date: 01/28/10 Zoning Staff: Matt Tucker Date: 01/28/10
- Check here if this project will be receiving a public subsidy.** If so, indicate type in your Letter of Intent.

**The signer attests that this form is accurately completed and all required materials are submitted:**

Printed Name Jerry Bourquin Date \_\_\_\_\_  
 Signature [Signature] Relation to Property Owner Project Architect Rep.

Authorizing Signature of Property Owner [Signature] Date 3/30/2010  
 Effective May 1, 2009

**Letter of Intent  
237 Langdon Street  
Sigma Phi Epsilon Fraternity  
April 5, 2010**

**1. Existing Use**

The approximate .18 acre site is located at 237 Langdon Street, Madison, Wisconsin. The fraternity was destroyed by fire and torn down. The present lot is empty.

**2. Project Schedule**

Upon approval of the conditional use the project will proceed with construction late summer/early fall.

**3. Project Team**

**Owner:** Wisconsin Beta Sigma Phi Epsilon Corporation  
237 Langdon Street  
Madison, WI 53703-1208

*Architectural Team:*

Cunningham + Associates  
2504 Waterside Drive  
Columbia, MO 65203

Dimension IV – Madison  
6515 Grand Teton Plaza, Suite 120  
Madison, WI 53719

*Civil Engineer:*

Edge Engineering  
624 Water Street  
Prairie du Sac, WI 53578

*Landscape Architect:*

Paul Skidmore  
13 Red Maple Trail  
Madison, WI 53717

*General Contractor:*

To be selected

**4. Project Use**

Sigma Phi Epsilon Fraternity provides residences, activity areas and dining areas for its residents. There are 19 rooms and 38 residents with 1 live in housekeeper. The facility has 24 hours/7 day a week residents.

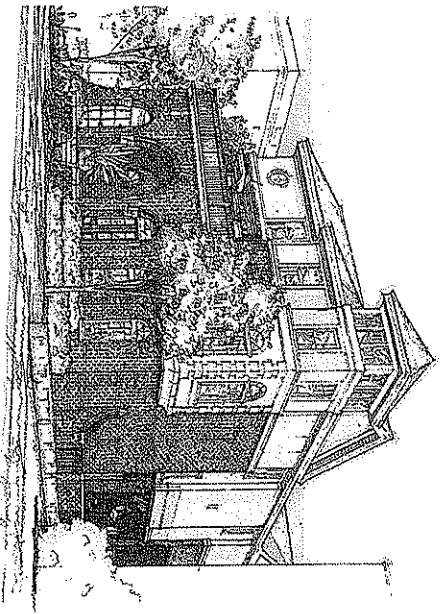
**5. Project Data**

**Site:** .18 acre  
**Building:** 3,032 Lower Level  
3,037 First Level  
3,047 Second Level  
2,987 Third Level  
**Parking:** 1 Loading Bay  
8 Bicycle Stalls

# SIGMA PHI EPSILON FRATERNITY HOUSE 237 LANGDON STREET

Lot 8, Except the Southwesterly 8' thereof,  
Block 59, Original Plat of Madison

Lying in the SW 1/4 of the SE 1/4 of Section 14, T07N, R09E,  
City of Madison, Dane County, Wisconsin



**INDEX OF DRAWINGS:**

- 1 COVER SHEET / INDEX / ZONING REVIEW
- 2 SITE PLAN / SITE SECTION
- 3 BASEMENT FLOOR PLAN
- 4 FIRST FLOOR PLAN
- 5 SECOND FLOOR PLAN
- 6 THIRD FLOOR PLAN
- 7 NORTH & SOUTH ELEVATIONS
- 8 EAST ELEVATION
- 9 WEST ELEVATION
- C2.0 SITE / PARKING LOT PLAN
- C3.0 GRADING / EROSION CONTROL PLAN
- C4.0 UTILITY PLAN
- L1.0 LANDSCAPE PLAN
- S1.0 PROPERTY LINE ILLUMINATION PLAN
- S2.0 SITE LIGHTING ILLUMINATION PLAN

**ZONING REVIEW**  
Madison Zoning Code

Sigma Phi Epsilon Fraternity House  
237 Langdon Street

Lot 8, except the southwesterly 8' thereof, block 59, original plat of Madison lying in the S.W. 1/4 of the S.E. 1/4 of section 14, T07N, R09E, City of Madison, Dane County, WI.

**ZONING:** R-6, General Residential District  
Fraternity houses are allowed with a Conditional Use Permit. The former Fraternity house (now demolished) on this property had a Conditional Use Permit.

**PROJECT TABULATIONS:**

Lot Area: 7692 SF

Building Height: 3 stories + basement, 40'-10"

Building Area: Measured to outside face/Measured to inside face of exterior walls.

B:	3032 SF/2771 SF
1st:	3037 SF/2771 SF
2nd:	3047 SF/2843 SF
3rd:	2987 SF/2843 SF
<b>Total:</b>	<b>12103 SF/11228 SF</b>

**LOT AREA: 7692 SF:**

Minimum lot area = (300 sf/room x 18 rooms) + (450 sf/apt. x 1 apt.) = 5850 SF  
 5850 sf < 7692 sf, OK  
 Minimum lot area = 1/2 x 12103 sf (total building area)  
 6058 sf < 7692 sf, OK

**SETBACKS:**

Req'd. Front yard: 20'

Req'd. Side yard: 5' + (2'/ft. abv. 1st flr.) = 9'

Req'd. Rear yard: 30' or 45% of bldg. hgt. = 18'-5"; 30'

**OPEN SPACE:**

Req'd. usable open space = 70 sf/room incl. apt. = 70 sf x 19 rooms = 1330 sf.  
 Actual usable open space = > 1330 sf, refer to hatched area on site plan.  
 Usable open space is a paved patio/basketball court inaccessible to cars.

**PARKING/LOADING:**

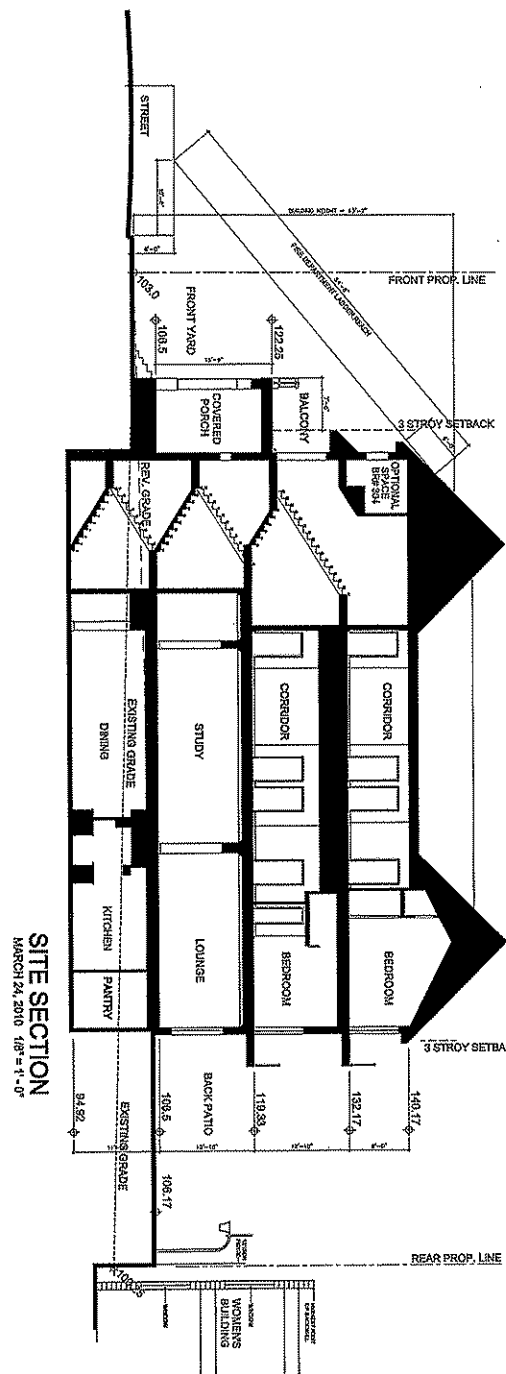
Req'd. auto parking: No requirement

Req'd. bike parking: 1 space per 3 rooms = 7 total spaces

Req'd. loading space: 1 (10'x35')

**Cunningham + Associates, Architects**      [www.Greekink.com](http://www.Greekink.com)

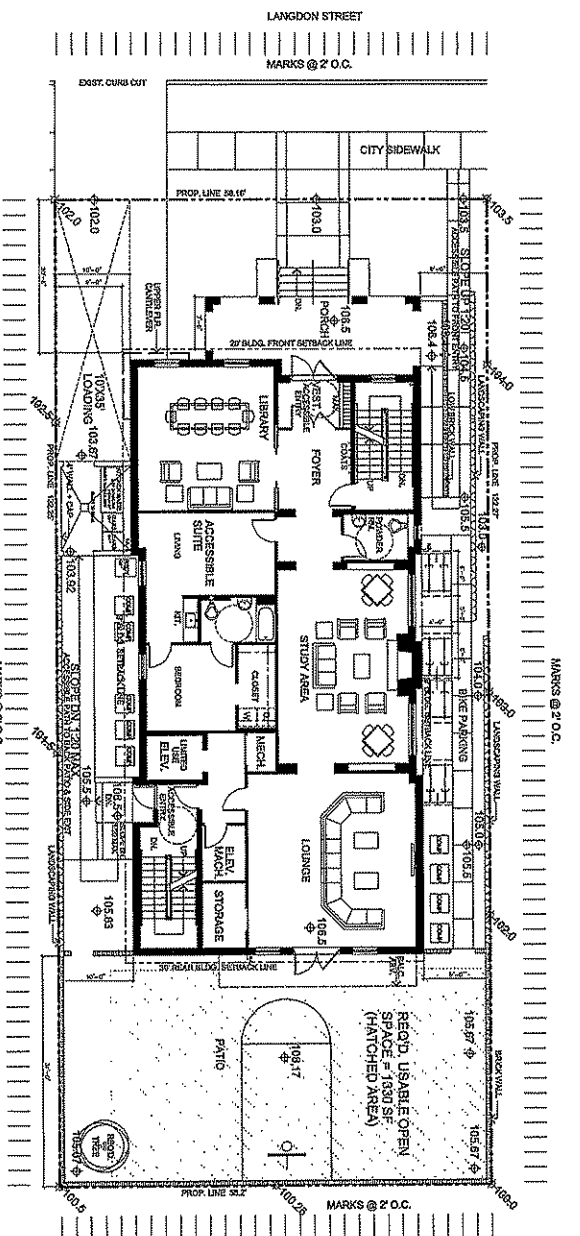
**DIMENSION IV - MADISON, Architects**      [www.dimensionivmadison.com](http://www.dimensionivmadison.com)



**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET  
 Lot 8, Except the Southwesterly 1/2 thereof  
 Block 88, Original Plat of Jackson  
 City of Madison, Wisconsin  
 City of Madison, Wisconsin  
 Cummins + Associates, Architects www.Greekink.com  
 DIMENSION IV - MADISON, Architects www.dimensionivmadison.com

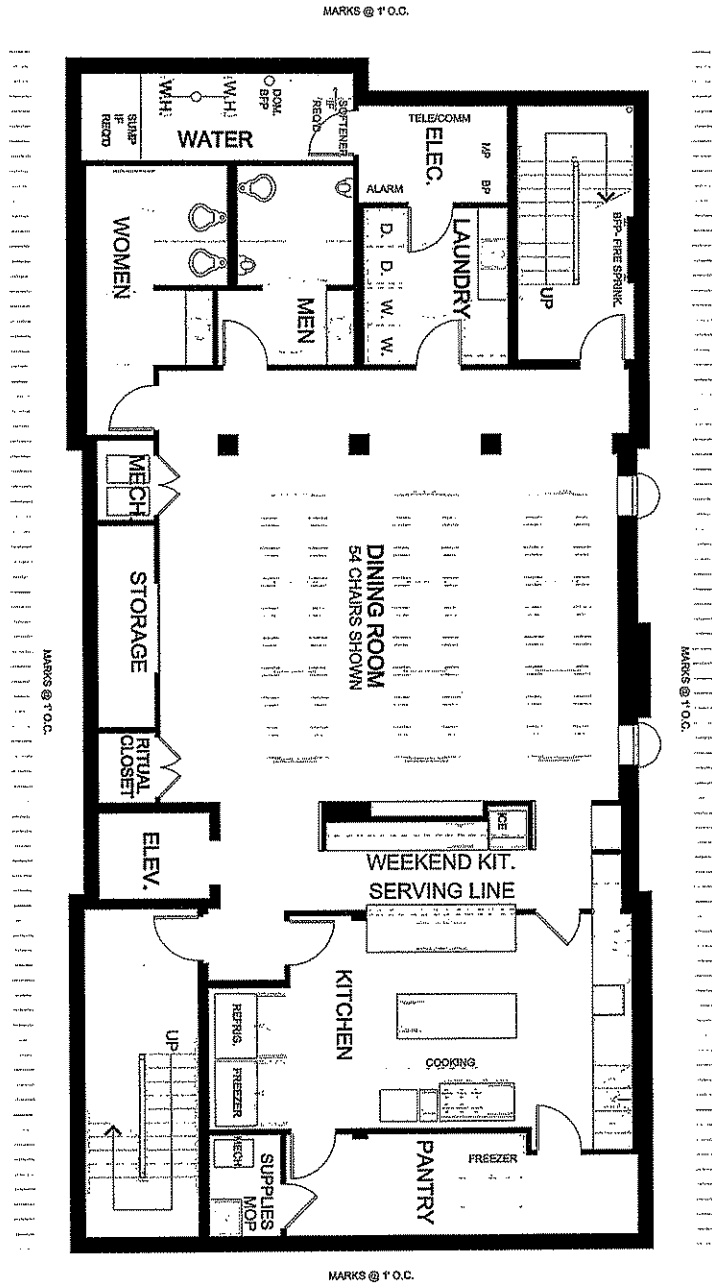
**1ST FLOOR/SITE PLAN**

MARCH 24, 2010  
 103.0' ± = PROPOSED GRADE  
 102.0' ± = EXISTING GRADE



**SITE SECTION**

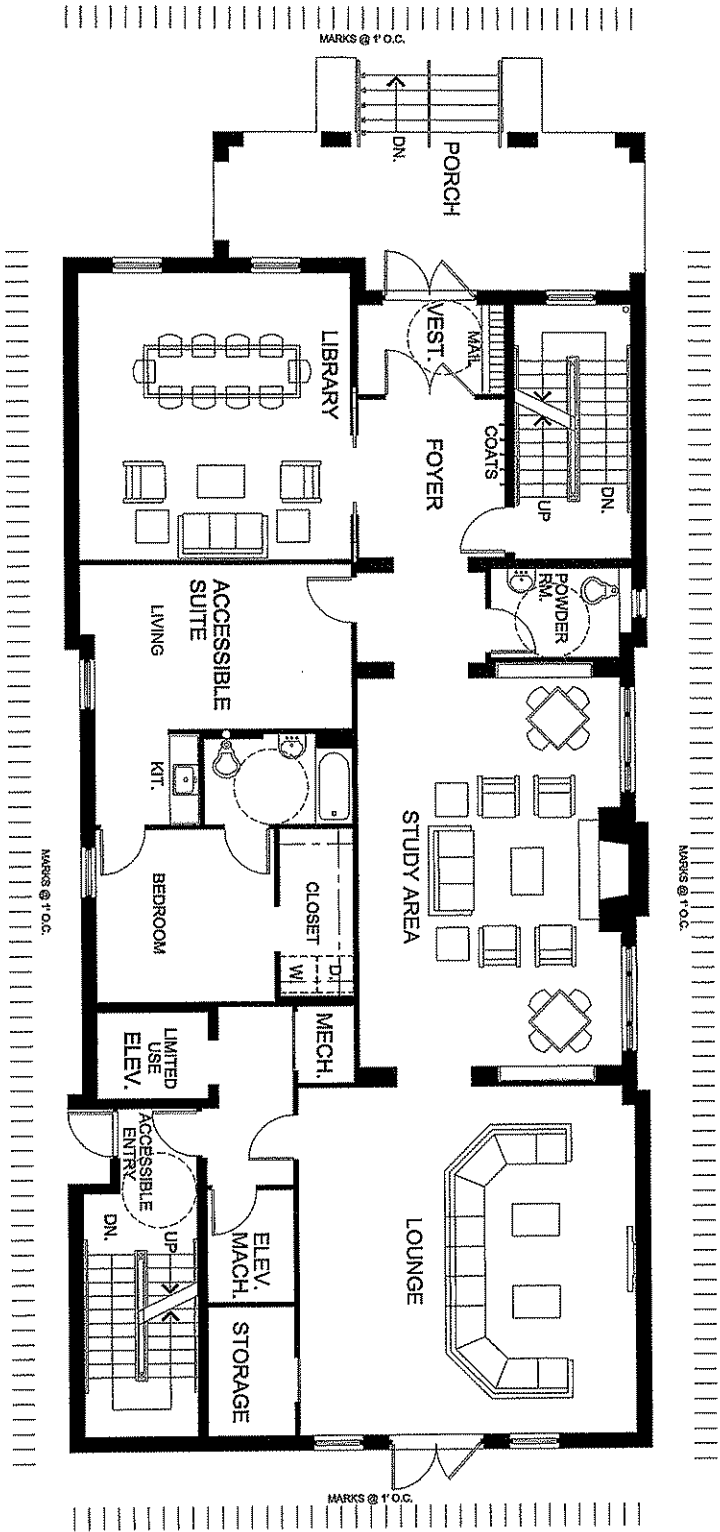
MARCH 24, 2010 1/8" = 1'-0"



**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET  
 Cunningham + Associates, Architects www.greekink.com  
 DIMENSION IV - MADISON, Architects www.dimensionivmadsion.com

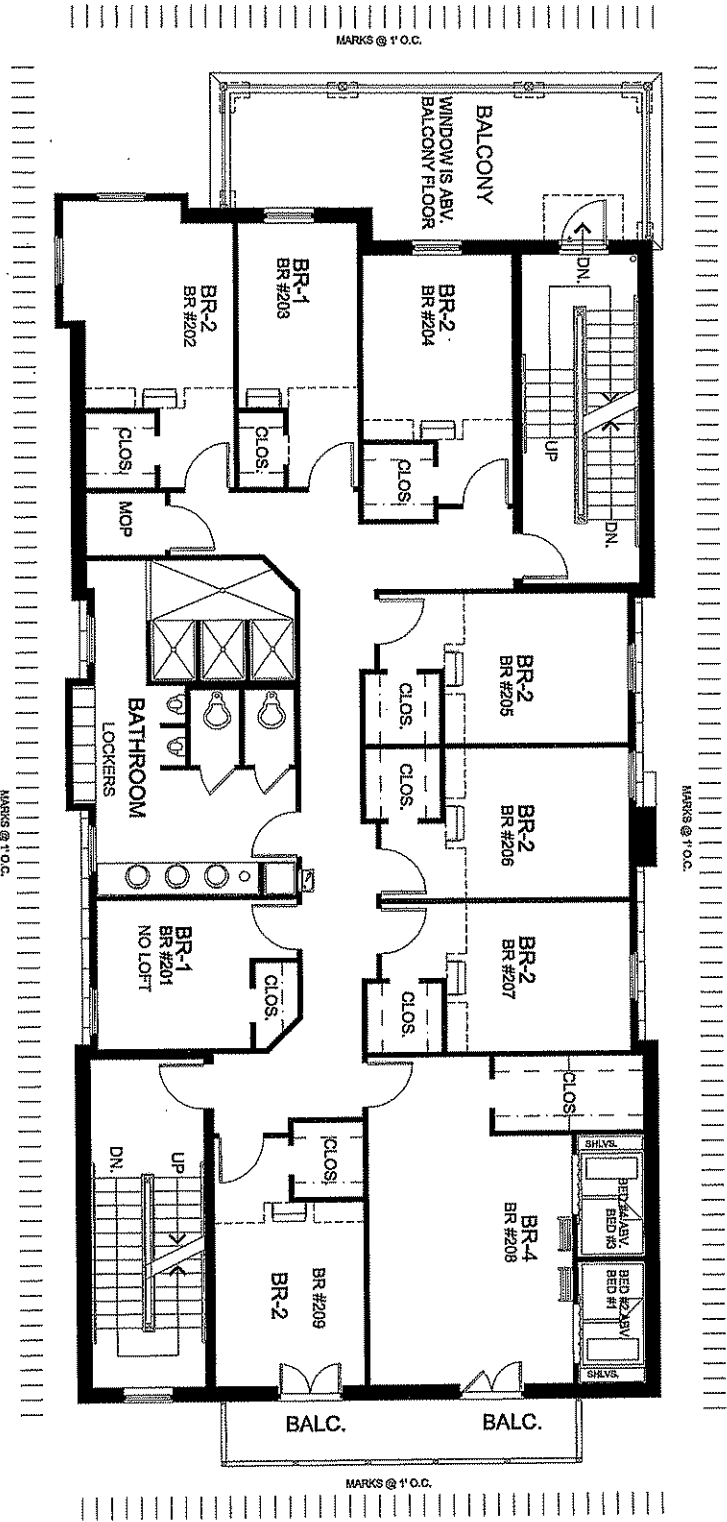
**BASEMENT PLAN**  
 MARCH 24, 2010  
 1/4" = 1'-0"





**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET  
 Cunningham + Associates, Architects    www.greekink.com  
 DIMENSION IV - MADISON, Architects    www.dimensionivmadison.com

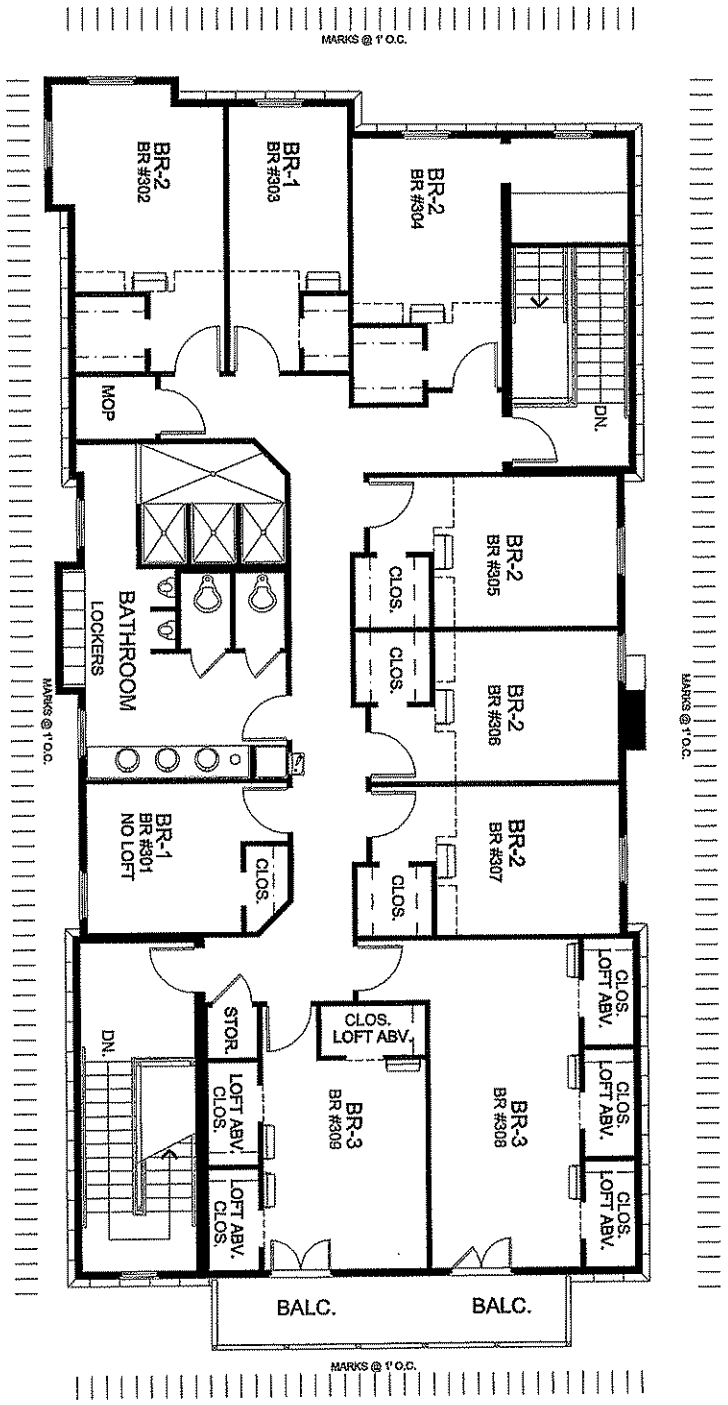
**1ST FLOOR PLAN**  
 MARCH 24, 2010    1/4" = 1'-0"



**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET

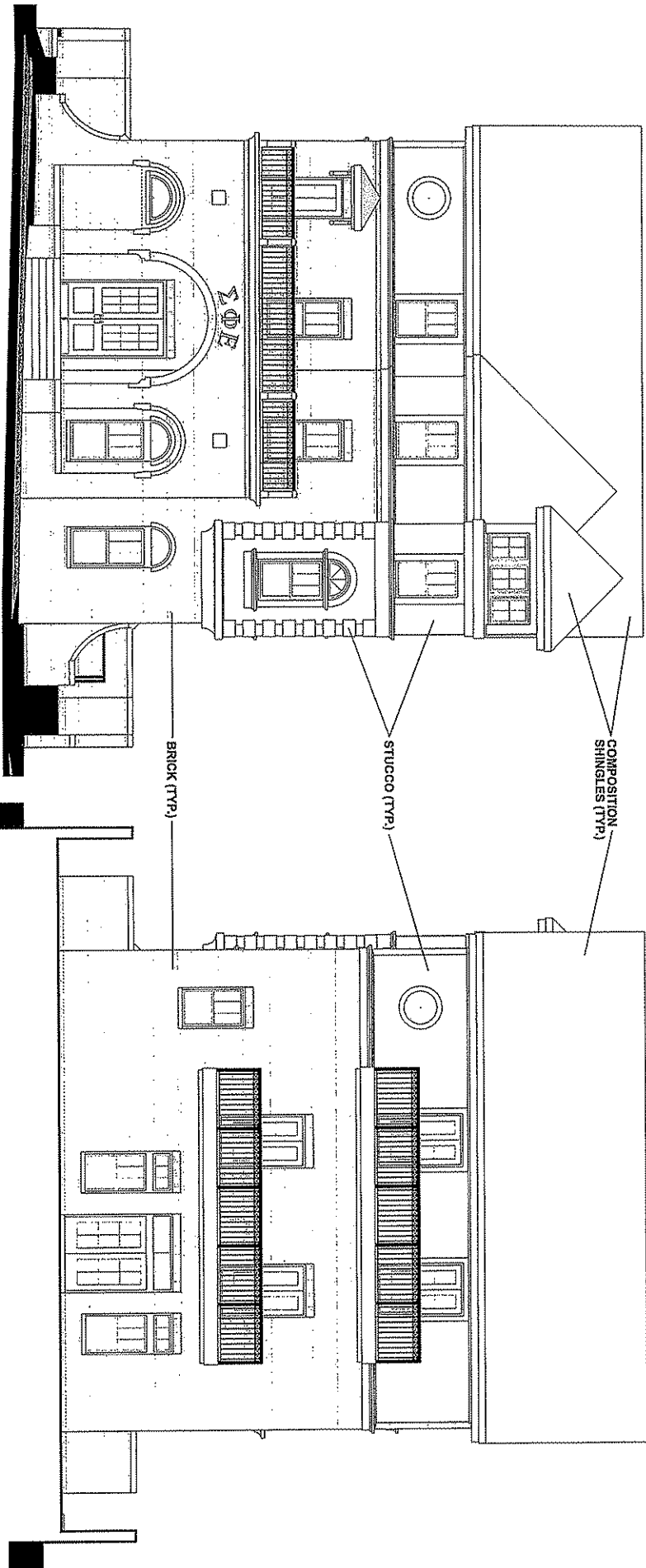
Cunningham + Associates, Architects [www.Greekk.com](http://www.Greekk.com)  
 DIMENSION IV - MADISON, Architects [www.dimensionivmadison.com](http://www.dimensionivmadison.com)

**2ND FLOOR PLAN**  
 MARCH 24, 2010  
 1/4" = 1'-0"



**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 287 LANGDON STREET  
 Cunningham + Associates, Architects [www.Greekink.com](http://www.Greekink.com)  
 DIMENSION IV - MADISON, Architects [www.dimensionivmadison.com](http://www.dimensionivmadison.com)

**3RD FLOOR PLAN**  
 MARCH 24, 2010  
 1/4" = 1'-0"



**NORTH ELEVATION**

**SOUTH ELEVATION**

MARCH 24, 2010

1/4" = 1'-0"

**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET

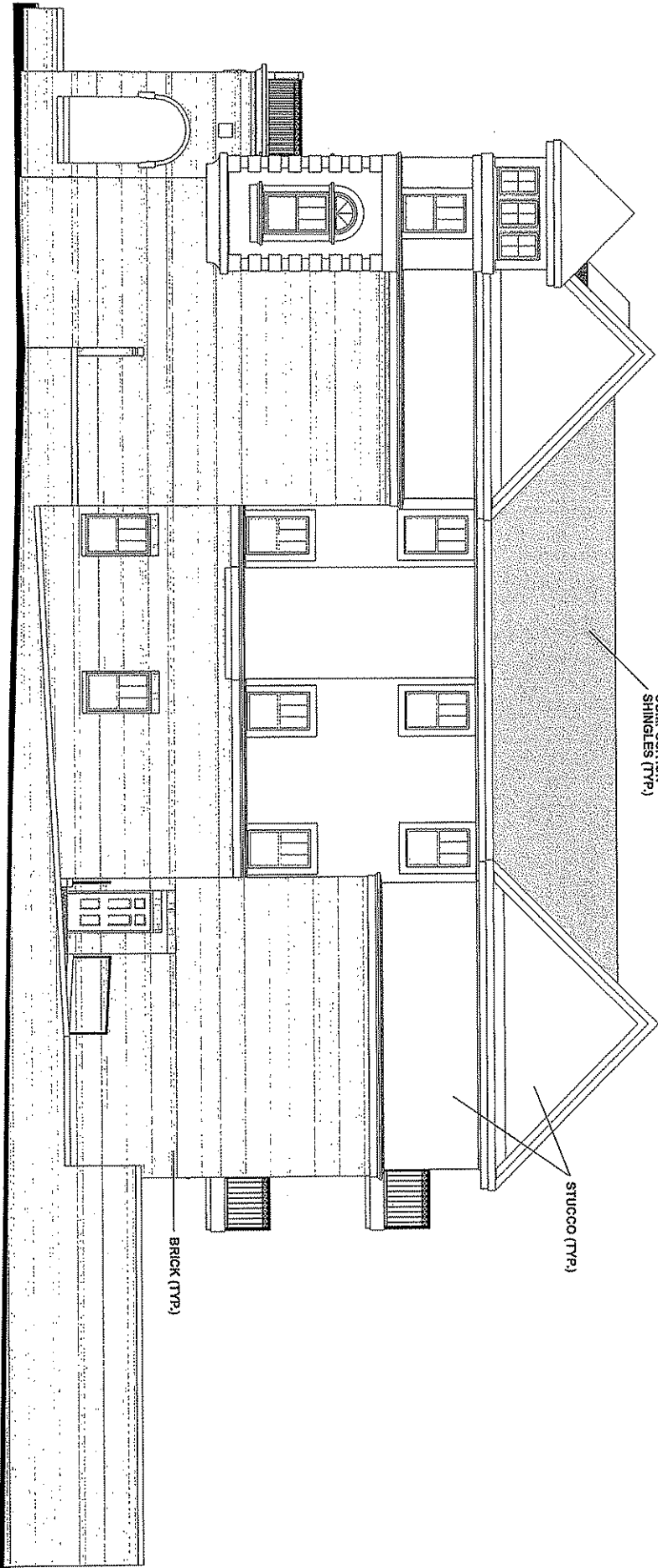
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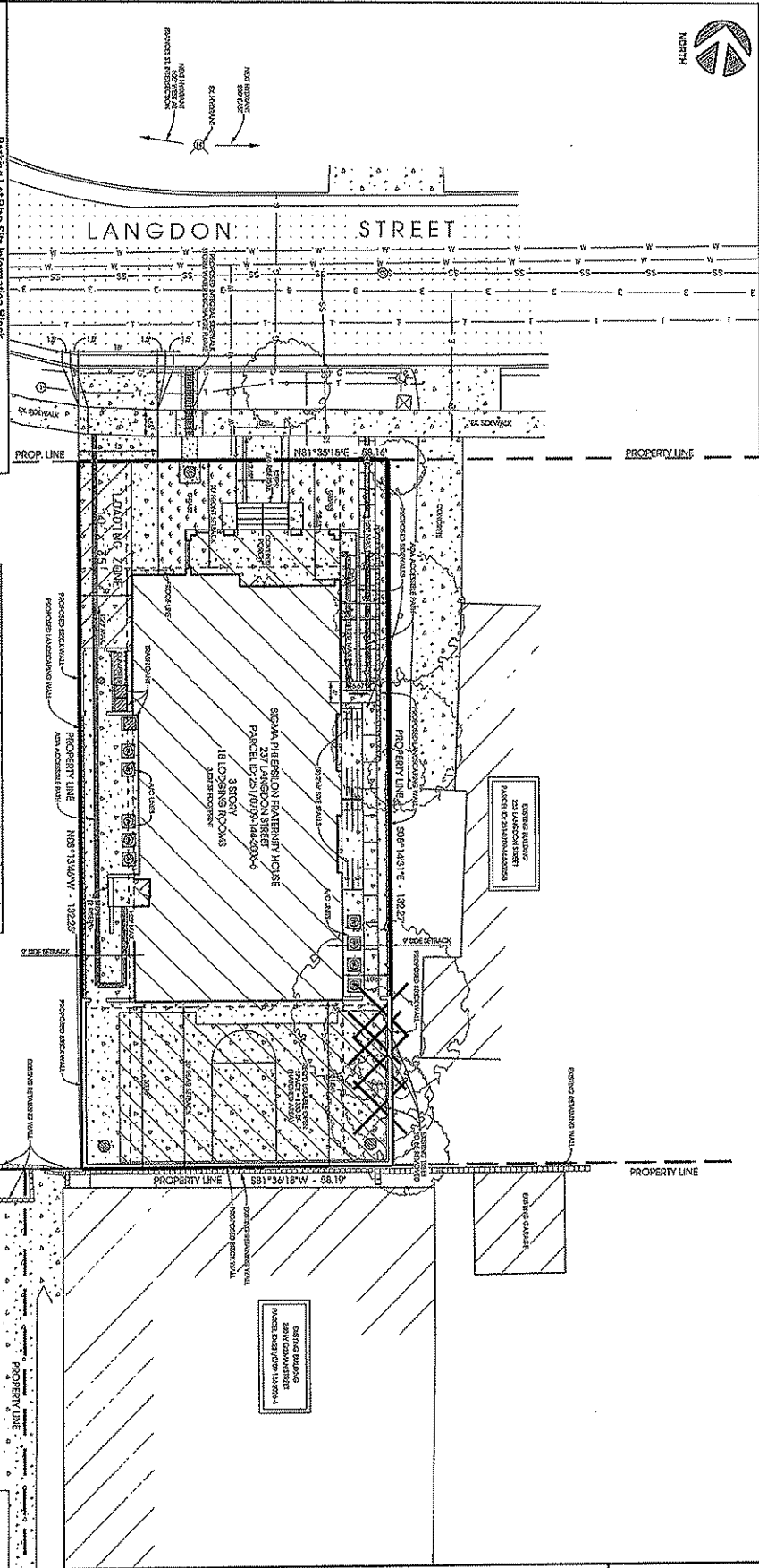
**EAST ELEVATION**  
MARCH 24, 2010    1/4" = 1'-0"



**SIGMA PHI EPSILON FRATERNITY HOUSE**  
237 LANGDON STREET

Cunningham + Associates, Architects    www.Greekink.com  
DIMENSION IV - MADISON, Architects    www.dimensionivmadison.com

**WEST ELEVATION**  
MARCH 24, 2010    1/4" = 1'-0"



314 Address: 237 Langdon Street  
 Parcel Number: 0203-042-0205  
 Legal Description: Lot 8. Except the easement of record, Parcel 55, Original Plat of Section 14, T12N, R09E, City of Madison, Dane County, WI.  
 316 Address: 1178 Acorn (7,662 SF)

Number of Building Stories (Above Ground): 3 Stories + Basement  
 Building Height: 47'-0"  
 Type of Construction: V.A. Wood Frame Structure  
 Total Square Footage of Building: 30,073 SF  
 Use of Structure: Dwelling, Residence  
 Current Code: 2015 IBC  
 Date of Last Inspection: 12/03/18 (3 Stories + Basement)  
 Number of Apartments: 18  
 Number of Units: 18  
 Road, Utility Open Space: (330 sq ft, (130 sq ft, impaved))  
 Number of Above Grade Stairs: 8  
 Road Side Parking: 1 Space per 3 rooms + 1 per dwelling unit + 7 spaces (if provided)  
 Number of Loading Stairs: No Requirement  
 Road Loading Zone: (1) 10x5' (1 Provided)

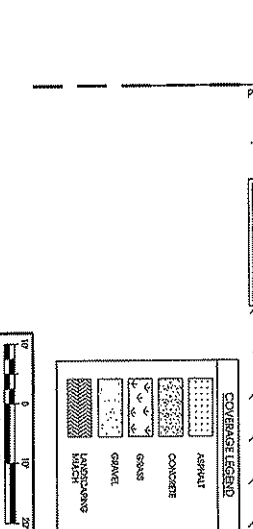
**GENERAL SITE NOTES**

1. CONSULTOR SHALL OBTAIN ALL NECESSARY CITY OF MADISON PERMITS AND APPROVALS FOR THIS PROJECT.
2. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MADISON ZONING ORDINANCE AND ALL APPLICABLE CODES.
3. ALL UTILITIES SHALL BE LOCATED AND DEPTH SHALL BE VERIFIED BY THE CONSULTOR PRIOR TO CONSTRUCTION. ANY PROVISIONS SHALL BE NOTED BY THE CONSULTOR TO THE CITY OF MADISON.
4. THE CONSULTOR SHALL VERIFY ALL EXISTING AND PROPOSED UTILITIES SHALL BE PROTECTED AND NOT DAMAGED BY ANY CONSTRUCTION ACTIVITIES.
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**Zoning Summary**

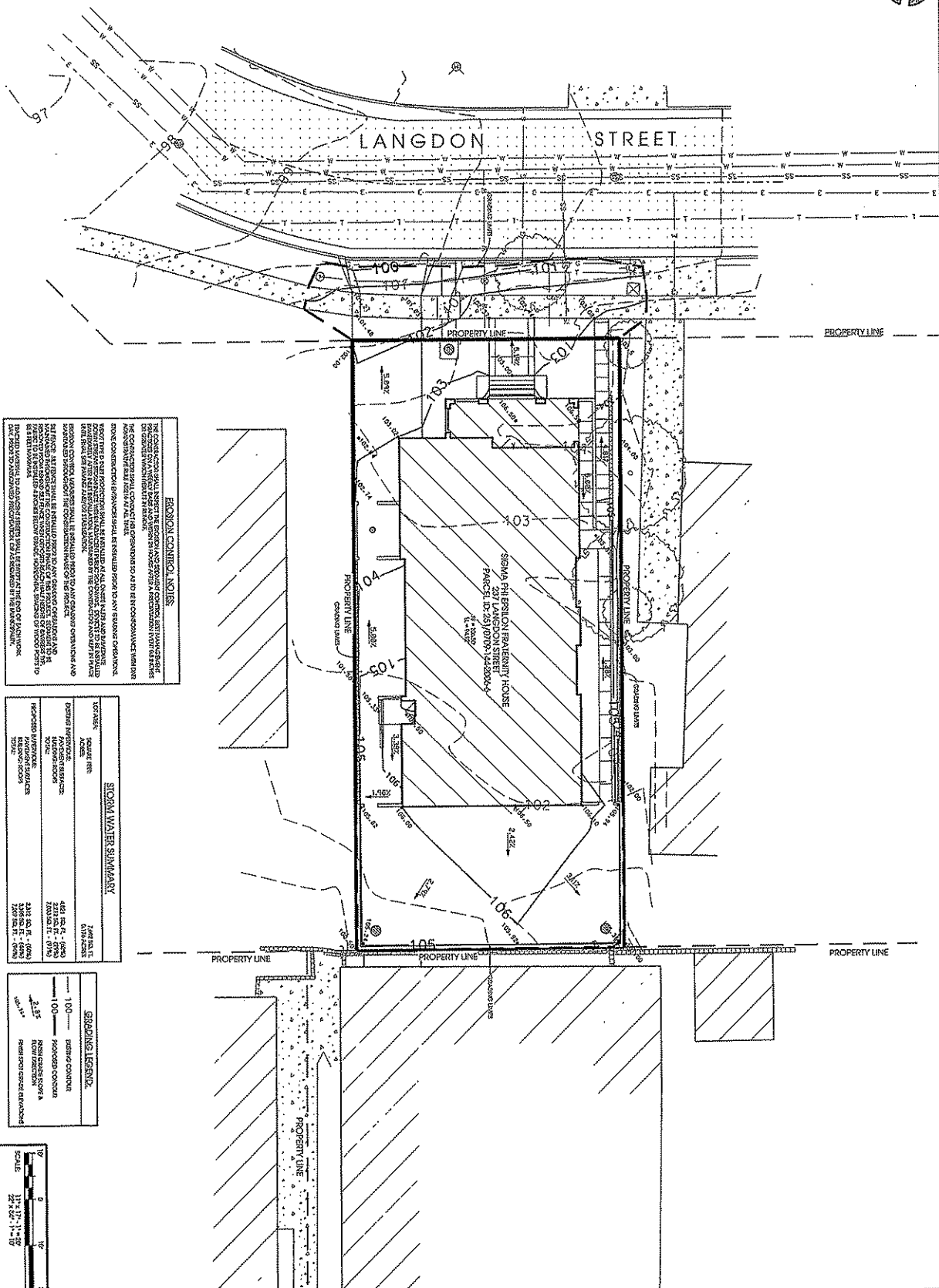
Zoning Classification:	R-6 (General Residential District) D024
Front Yard:	20'
Side Yard:	10'
Rear Yard:	30'
Front Yard Ratio:	2.0



**SITE / PARKING LOT PLAN**  
**SIGMA PHI EPSILON FRATERNITY**  
**MADISON, WISCONSIN**

**Edge**  
 Consulting Engineers, Inc.  
 624 Water Street  
 Prairie du Sac, WI 53578  
 608.644.1499 voice  
 608.644.1000 fax  
 www.edgeconsult.com

**CS2.0**



**EROSION CONTROL NOTES**

1. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL PLAN SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

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**GENERAL NOTES**

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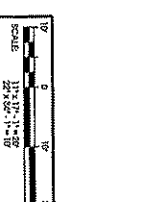
10. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL PLAN SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

**SPECIAL WATER SUMMARY**

LOCATION	AREA (SQ. FT.)	PERCENT
ROOF	4,251	100%
WALKWAYS	2,215	52%
DRIVEWAYS	2,215	52%
LANDSCAPE	1,108	26%
TOTAL	10,089	250%

**GRADING LEGEND**

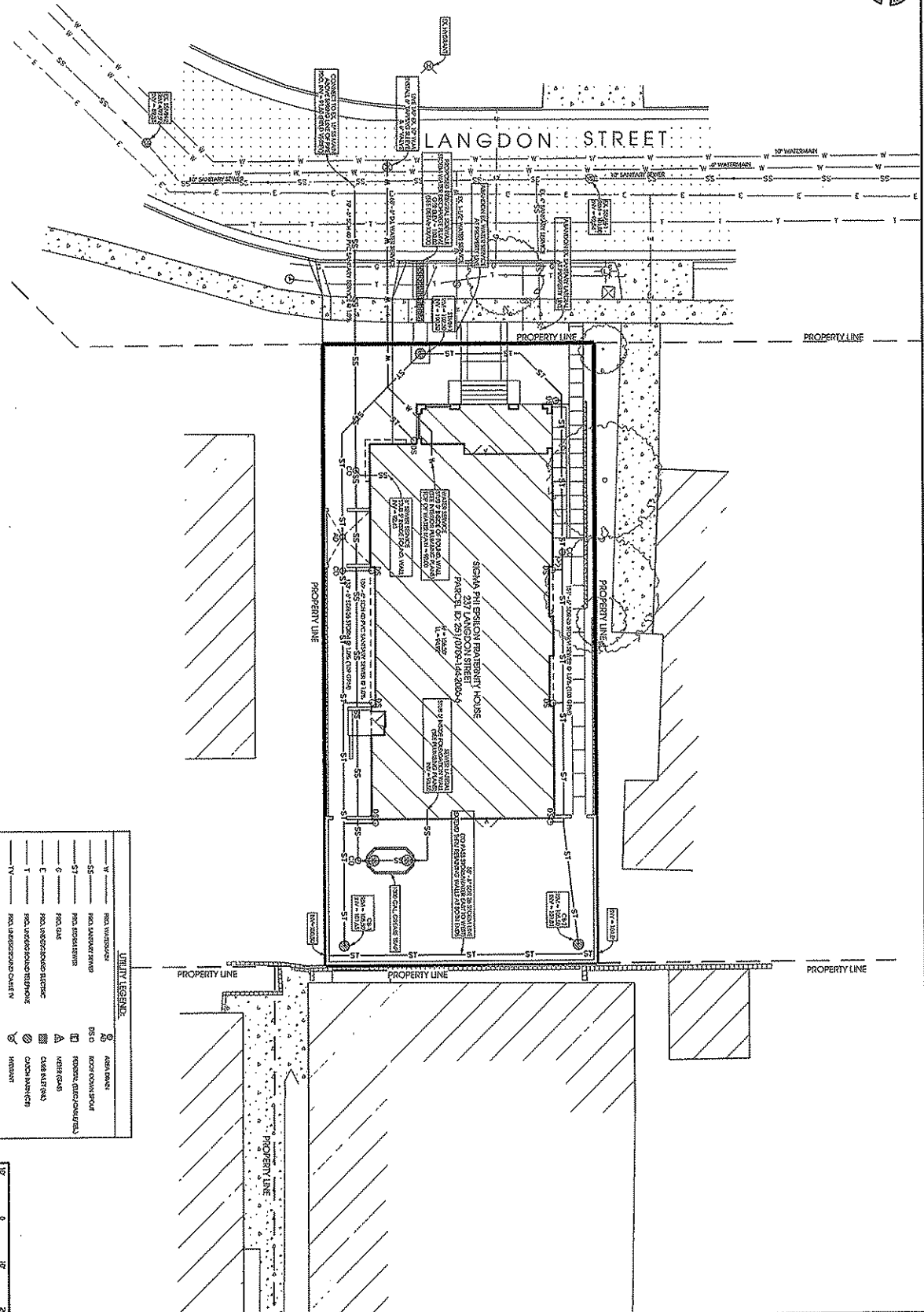
1.00	EXISTING CONTOUR
1.00	PROPOSED CONTOUR
2.00	PROPOSED CONTOUR
3.00	PROPOSED CONTOUR
4.00	PROPOSED CONTOUR
5.00	PROPOSED CONTOUR
6.00	PROPOSED CONTOUR
7.00	PROPOSED CONTOUR
8.00	PROPOSED CONTOUR
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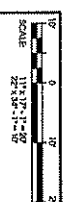
**GRADING / EROSION CONTROL PLAN**  
**SIGMA PHI EPSILON FRATERNITY**  
**MADISON, WISCONSIN**

**Edge**  
 Consulting Engineers, Inc.  
 624 Victor Street  
 Prairie du Sac, WI 53576  
 608.644.1487 voice  
 262.594.3092 fax  
 www.edgecons.com





UTILITY LEGEND:			
— V —	WATERMANS	○	WATERMANS
— SS —	SANITARY SEWER	○	WATERMANS
— S —	SEWER	○	WATERMANS
— G —	GAS	○	WATERMANS
— E —	ELECTRIC	○	WATERMANS
— T —	TELEPHONE	○	WATERMANS
— C —	CABLE TELEVISION	○	WATERMANS
— W —	WATER	○	WATERMANS
— M —	MANHOLE	○	WATERMANS
— V —	VALVE	○	WATERMANS
— S —	SEWER	○	WATERMANS
— G —	GAS	○	WATERMANS
— E —	ELECTRIC	○	WATERMANS
— T —	TELEPHONE	○	WATERMANS
— C —	CABLE TELEVISION	○	WATERMANS
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— V —	VALVE	○	WATERMANS

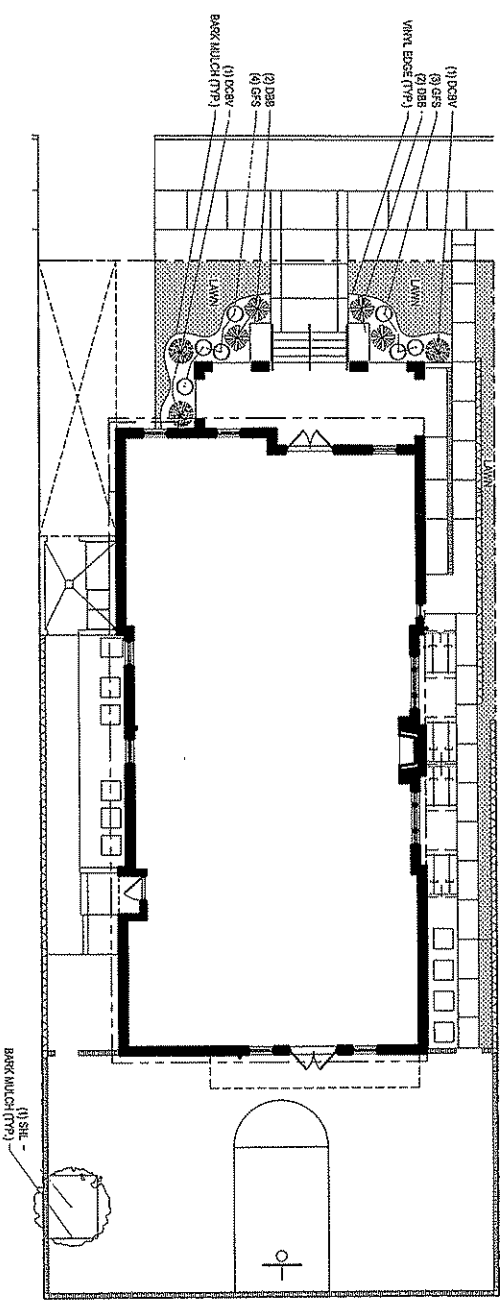


## UTILITY PLAN

### SIGMA PHI EPSILON FRATERNITY MADISON, WISCONSIN

**Edge**  
Consulting Engineers, Inc.  
624 Water Street  
Proffitt Building, 5th Floor  
408.562.1478  
202.294.8022  
www.edgeconsult.com

**C4.0**



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NOTES

- LAWN AREAS SHALL BE FINE GRADED, FERTILIZED, AND SOGGED WITH 1" LOCALLY GROWN SOIL.
- PLANTING BEDS RECEIVE SHREDDED HARDWOOD BARK SPREAD TO A DEPTH OF 3".
- PLANTING BEDS TO BE SEPARATED FROM LAWN AREAS WITH 1" BLACK VINYL BED EDGING (VALLEY VIEW BLACK DIAMOND OR EQUAL).
- RETAINING WALLS BY OTHERS.

(1) SIB - BARK MULCH (10%)

KEY	COMMON NAME	SIZE	ROOT	QUANTITY
SHL	SILVER HORNET/COCOA	2 1/2"	B8	1
AVB	ARROW WOOD VIRBERNIA	36"	B8	1
DBB	DWARF BURNING BUSH	24"	POT	4
DBBV	DWARF CHAIRSERT/BUSH	36"	POT	2
GFS	VIRBURNIA GOLD PLUME SPINNA	18"	POT	2

LANDSON STREET  
 MADISON, WI

1  
 0 8' 16' 32'  
 LANDSCAPE PLAN  
 NORTH

PAUL SINKOVIC  
 LANDSCAPE ARCHITECT, LLC  
 13 RED MAPLE TRAIL  
 MADISON, WI 53717  
 608.836.0022

**DIMENSION**  
 Madison, WI  
 608.261.2400  
 1300 EAST WALTON AVENUE  
 SUITE 200  
 MADISON, WI 53717  
 DIMENSIONARCHITECTS.COM

DATE OF ISSUE \_\_\_\_\_ COORD \_\_\_\_\_  
 REVISIONS \_\_\_\_\_  
 PROJECT # 0917  
 LANDSCAPE PLAN

**L1.0**

## FEATURES

### OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse reflector. White painted and fluted upper section works in conjunction with prismatic glass lens for optimal fixture performance and efficiency. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides lamp before lamp image and smooth transition from top of the reflector to bottom.
- Baffle/Cone- Semi-specular clear upper reflector. Microgroove baffle, white painted flange or specular black cone with flange that matches cone finish.

### MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame with integral yoke to retain optical system. Maximum 1-1/2" ceiling thickness.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

### ELECTRICAL SYSTEM

- Galvanized steel lampholder housing.
- Medium-base porcelain socket with nickel-plated screw shell.
- Thermally-activated insulation detector.

### LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Type

Catalog number

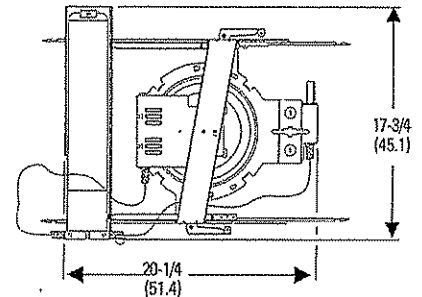
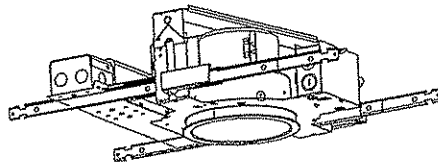
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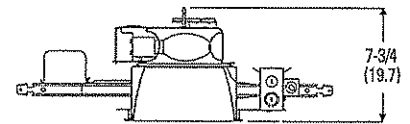
### HID Low Profile Downlights

# 6" AHZ

Open Reflector  
Horizontal  
Metal Halide Lamp



Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap Trim: 7-1/2 (19.1)



All dimensions  
are inches  
(centimeters).

## ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

Example: **AHZ 100M 6AR 120**

AHZ	<u>50M</u>	<u>6AR</u>		<u>120</u>	
Series	Wattage/Lamp	Aperture/Trim color	Finish	Voltage	Options
AHZ	Metal Halide	6AR Clear	(blank) Semi-specular	120	TRW White painted flange
	50M MP50/C/U/MED	6PR Pewter		277	TRBL Black painted flange
	70M MP70/C/U/MED	6UBR Umber	LD Matte-diffuse	347	CP Chicago Plenum
	100M MP100/C/U/MED	6WTR Wheat			LRC <sup>3</sup> Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required
	Color-Corrected Metal Halide <sup>1</sup>	6WR <sup>2</sup> White painted			SF Single fuse
	50MHC MPC50/C/U/MED	6BC <sup>2</sup> Black cone			WLP With lamp (shipped separately)
	70MHC MPC70/C/U/MED	6MB <sup>2</sup> Black baffle			GSKT Foam gasketing, ships installed
	100MHC MPC100/C/U/MED	6WB <sup>2</sup> White baffle			

### NOTES

- 1 Ceramic arc tube consistent-color lamp. Phillips Master Color or GE Constant Color.
- 2 Not available with LD finish.
- 3 For Compatible Reloc Systems, refer to Technical Bulletins tab.

### Accessories

Order as separate catalog number.  
**SCA6** Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D.

gotham®   
An Specialty Brands Company

GOTHAM ARCHITECTURAL DOWNLIGHTING  
1400 Lester Road Conyers Georgia 30012  
P 800 315 4982 F 770 860 3129  
www.gothamlighting.com

AHZ 6

DHID-340



## FEATURES & SPECIFICATIONS

**INTENDED USE** — For building- and wall-mounted applications.

**CONSTRUCTION** — Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has impact-resistant, tempered glass lens. Doorframe is fully sealed with a closed-cell silicone gasket.

**Finish:** Standard finish is textured dark bronze (DDBT) polyester powder finish, with other architectural colors available.

**OPTICS** — Hydroformed reflector for superior uniformity and control. Vertical lamp orientation for improved lamp output and life.

**ELECTRICAL** — HID 70W-150W utilizes a high-reactance, high power factor ballast. 175W-200W utilizes a constant-wattage autotransformer ballast. Compact fluorescent utilizes an electronic high-frequency ballast. HEB maximum wattage 100M. Quick-disconnect plugs easily disconnect reflector from ballast and fixture from supply wires. Ballasts are precision-wound and 100% factory tested. For HID porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-200W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. 200M is only available with SCWA. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

**INSTALLATION** — Universal mounting plate with integral mounting bolts supports the fixture for easy, one-person installation.

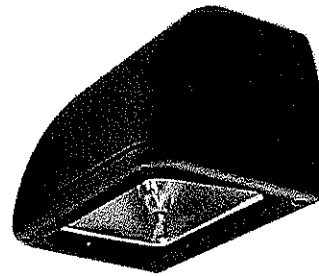
**LISTING** — CSA Certified to U.S. and Canadian standards. Down orientation only. NOM Certified (see Options). IP65 rated. HID-175W and below-listed to 40° C ambient. 200W listed to 25° C ambient. The ELED option is listed to 25° C ambient.

Catalog Number	
Notes	Type
Wall Mounted Cut-Off Light	<b>X2</b>

Wall-Mounted Luminaire

# TWF1

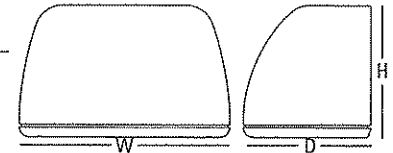
**METAL HALIDE: 70M-200M**  
**H PRESSURE SODIUM: 70S-150S**



### Specifications

Width: 16" (40.64)  
Height: 10 1/16" (25.6)  
Depth: 9-5/8" (24.4)  
Max. Weight: 24 lbs (10.9 kg)

All dimensions are inches (centimeters) unless otherwise specified.



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

## ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: TWF1 100M TB LPI

TWF1	70M	120	HEB	SF	Lamp <sup>14</sup>
Series	Wattage	Voltage	Ballast	Options	Finish <sup>13</sup>
TWF1	<u>Metal halide</u> 70M 100M 150M 175M 200M	120 208 <sup>2</sup> 240 <sup>2</sup> 277 347	(blank) Magnetic ballast CWI Constant wattage isolated <sup>4</sup> HEB Electroinic ballast <sup>5</sup>	<u>Shipped installed in fixture</u> SF Single fuse (120, 277, 347V, n/a TB, TBV ) DF Double fuse (208, 240, 480V, n/a TB, TBV) QRSTD Quartz restrike w/time delay (maximum available lamp included) <sup>7</sup> QRS Quartz restrike system (maximum available lamp included) <sup>7</sup> EC Emergency circuit (maximum available lamp included) <sup>7</sup> ELED Emergency LED secondary source battery pack (-4°F min. operating temperature) <sup>7,8,9</sup> 2ELED Emergency LED secondary source (two modules) battery pack (-4°F min. operating temperature) <sup>7,8,9,10</sup> DC12 Emergency circuit 12-volt (35W lamp included) <sup>7,10</sup> 2DC12 Emergency circuit 12-volt (two 35W lamps included) <sup>7,10</sup> DC2012 Emergency circuit 12-volt (20W lamp included) <sup>7,10</sup> 2DC2012 Emergency circuit 12-volt (two 20W lamps included) <sup>7,10,11</sup> PE Photoelectric cell-button type (n/a TB, MVOLT or 480V) <sup>8,12</sup> CSA CSA Certified NOM NOM Certified INTL Available for MH probe start shipping outside the U.S.	LPI Lamp included L/LP Less lamp
	<u>Ceramic metal halide<sup>1</sup></u> 70MHC 100MHC 150MHC 100MHCT6 150MHCT6	480 <sup>2</sup> TB <sup>3</sup>	<u>Pulse Start</u> SCWA Super CWA ballast <sup>5,6</sup>		<u>Standard textured colors</u> (blank) Dark bronze (DDBT) DSST Sandstone DNAT Natural aluminum DWHG White DBLB Black
	<u>High pressure sodium</u> 70S 100S 150S		NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.		<u>Optional textured colors</u> DBNH Bronze DSPD Dark gray DSPJ Light gray DSPE Green DSPG Dark red DSPF Rust DSPH Red CR Enhanced corrosion resistance CRT Non-stick protective coating (black only)

### NOTES:

- Must be ordered with lamp included (LPI).
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada--ships as 120/347 in Canada).
- Consult factory for availability.
- Available in metal halide only.
- Max wattage is 100M.
- Cannot be ordered with any other emergency option.
- Maximum wattage 100M and 70S. Only available in 120V or 277V.
- Must specify voltage.
- Not available with SF or DF.
- Consult factory for maximum HID wattage available with this option.
- Must be ordered with fixture; cannot be field installed.
- Additional architectural colors available; see www.lithonia.com for more information.
- Must be specified.

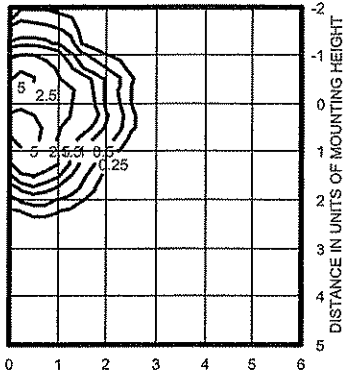
Outdoor

Sheet#: TWF1-M-S

# TWF1 Metal Halide, High Pressure Sodium, Building Mounted

TWF1 100M TEST NO: LTL18073

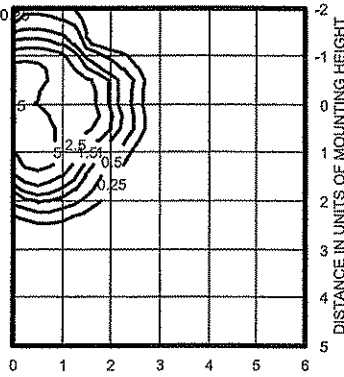
ISOILLUMINANCE PLOT (Footcandle)



100W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 8500 rated lumens. Luminaire Efficiency: 56.3%

TWF1 150M TEST NO: LTL18072

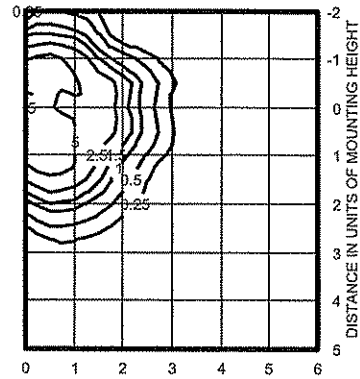
ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 12900 rated lumens. Luminaire Efficiency: 56.3%

TWF1 150S TEST NO: LTL18077

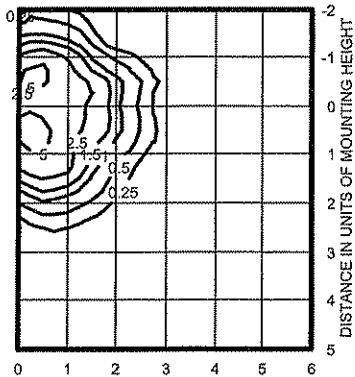
ISOILLUMINANCE PLOT (Footcandle)



150W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 15800 rated lumens. Luminaire Efficiency: 59.5%

TWF1 100S TEST NO: LTL18078

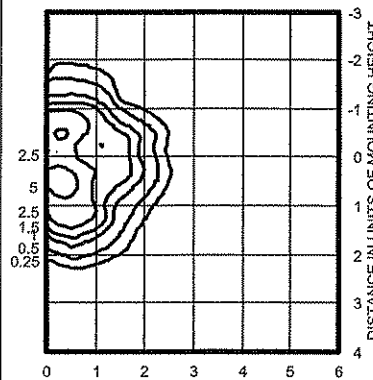
ISOILLUMINANCE PLOT (Footcandle)



100W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12' mounting height, 9500 rated lumens. Luminaire Efficiency: 59.5%

TWF1 200M TEST NO: LTL18074

ISOILLUMINANCE PLOT (Footcandle)



200W pulse start metal halide lamp, rated 21000 lumens. Footcandle values based on 20' mounting height. Classification: Unclassified (Type III, Very Short), Full Cutoff Luminaire Efficiency: 56.3%



## FEATURES & SPECIFICATIONS

**INTENDED USE** — For landscape and facade lighting.

**CONSTRUCTION** — Rugged, die-cast, single piece low copper alloy aluminum housing. Die-cast doorframe has impact-resistant, tempered, glass lens. Doorframe is fully sealed with a closed-cell silicone gasket. Standard finish is textured dark bronze (DDBT) polyester powder finish, with other architectural colors available. Patent No. D552,778.

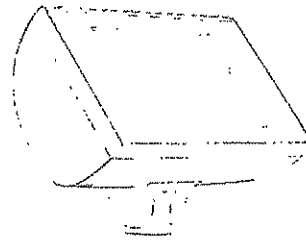
**OPTICS** — Anodized aluminum reflectors; segmented, specular or hammertone finish for superior uniformity and control. Reflectors are interchangeable and allow for tool-less access to electrical components.

**ELECTRICAL SYSTEM** — 50W-150W utilizes a high reactance, high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Quick disconnect plug easily disconnects reflector from ballast and fixture from supply wires. Compact fluorescent ballast is Class P, electronic, high power factor, multi-volt, <10% THD with starting temp of 0° F (-18° C). Ballasts are precision wound and 100% factory tested. Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. Compact fluorescent socket is high temperature thermoplastic with integral lamp retention clip; 4-pin. UL Listed. CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available with 175M SCWA. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

**MOUNTING** — Standard mounting is cast 3/4" threaded knuckle. Mounting mechanism features infinite locking points for aiming precision. Optional yoke mounting available, heavy-duty compact cast aluminum yoke adaptor to maintain fixture aesthetics. Provided with painted steel yoke and three feet of 16/3 SEDOW cable.

**LISTING** — UL listed suitable for wet locations in all orientations. UL Listed to U.S. and Canadian safety standards (see Options). NDM Certified (see Options). IP66 rated. U.S. and Canadian patents pending.

Catalog Number	
Notes	Type
Pole Mtd Adj. Area Light - Basketball Court	X3



# AERIS™

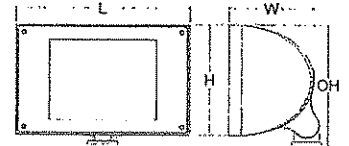
Architectural Floodlighting

## ASF1

**METAL HALIDE  
HIGH PRESSURE SODIUM  
COMPACT FLUORESCENT**

### Specifications

Length: 15.50 (38.10)  
Width: 7.62 (19.35)  
Height: 10.00 (25.40)  
Overall Height: 10.80 (27.43)  
Max. Weight: 20 lbs (9.07 kg)  
EPA: 1.20 ft²



All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: ASF1 100M HSP TB LPI

ASF1	150M	WDF	120	AFTS	SF - SCWA
Series	Wattage/source	Distribution	Voltage	Options	
ASF1	<u>Metal halide</u>	SP Spot	120	<u>Shipped installed in fixture</u>	ASF1FV/BVG Full visor/vandal guard
	50M	HSP Horizontal spot	208 <sup>9</sup>	SF Single fuse (120, 277, 347V, n/a TB, TBV)	<u>Outdoor remote ballast</u>
	70M	NSP Narrow spot	240 <sup>9</sup>	DF Double fuse (208, 240, 480V, n/a TB, TBV)	HRBW HID remote ballast weatherproof (black) <sup>13</sup>
	100M	WDF Wide flood	277	GMF Internal slow-blow fusing (n/a with MVOLT; CFL only)	<u>Indoor remote ballast</u>
	150M <sup>1</sup>	MDF Medium flood	347	CR Enhanced corrosion resistance	HRB HID remote ballast (white) <sup>13</sup>
	175M <sup>15</sup>	VFN Vertical narrow	480 <sup>9</sup>	CRT Non-stick protective coating (black only)	<u>Architectural colors</u> <sup>14</sup>
	<u>Ceramic metal halide</u>	VFW Vertical wide	TB <sup>4</sup>	PE Photoelectric cell-button type (n/a 347V, 480V, TB, TBV or MVOLT) <sup>10</sup>	<u>Standard textured colors</u>
	50MHC		MVOLT <sup>9</sup>	CSA Listed and labeled to comply with Canadian standards	DDBT Dark bronze (std.)
	70MHC	<b>Mounting</b>			DSST Sandstone
	100MHC	<u>Shipped installed</u>			DNAT Natural aluminum
	150MHC	(blank) Threaded knuckle (std.)			DWHG White
	<u>High pressure sodium</u>	YK Yoke mount			DBLB Black
	50S	<u>Shipped separately</u>			<u>Optional textured colors</u>
	70S	AFSTMTHK Stanchion mount for THK <sup>7</sup>		<u>Pulse Start</u>	DBNH Bronze
	100S	AFWMATHK Wall mount arm for THK option <sup>7</sup>		SCWA Super CWA pulse start ballast <sup>11</sup>	DSPD Dark gray
	150S	FCRA45 Flood cross-arm adaptor for horizontal mounting 45° <sup>8</sup>		2/1 Two, one-lamp ballasts (two lamp compact fluorescent only) <sup>12</sup>	DSPJ Light gray
	<u>Fluorescent</u> <sup>2</sup>	FPMB Flood/wall wood pole/pipe mounting bracket <sup>6</sup>		<u>Shipped separately</u>	DSPE Green
	26DTT	AFTS Tenon slipfitter <sup>7</sup>		ASF1GS Glare shield (upper or bottom visor)	DSPG Dark red
	2/26DTT	AFTM Tenon base mount <sup>9</sup>		ASF1EV Eggcrate visor (black only)	DSPF Rust
	26TRT	AFTMBTHK Twin mounting bar for THK option <sup>7</sup>		ASF1FV Full visor	DSPH Red
	2/26TRT	AFWMPTHK Wall mount-plate for THK option <sup>7</sup>		ASF1BD Barn door	
	32TRT	AFJB Architectural J-box <sup>7</sup>		ASF1BVG Vandal guard	
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	42TRT				
	2/42TRT				
	57TRT				
	2/57TRT				
	70TRT				

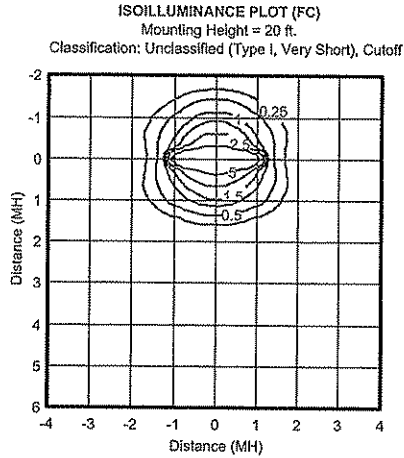
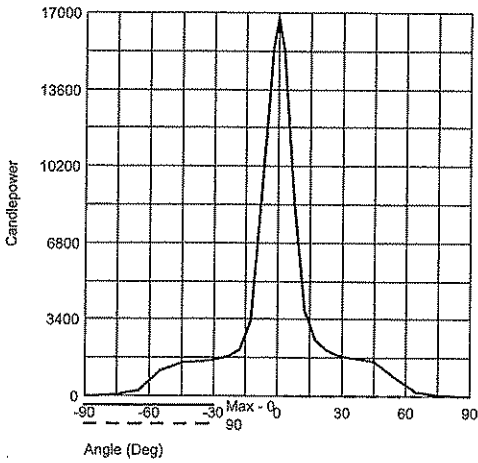
### NOTES:

- May be ordered with SCWA.
- Available with WDF distribution only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277); (120, 277, 347V in Canada ships as 120/347).
- Multi-volt electronic ballast (for DTT and TRT lamps). Capable of operating any line voltage between 120V and 277V; Ships standard on CFL wattages.
- For use with 3/4" THK mounting only.
- For use with yoke mount only. Must include yoke mount option on fixture.
- For use with AFTS mounting option only.
- Must be ordered with fixture; cannot be field installed.
- Available with 150M or 150MHC only.
- Not available with PE option.
- Consult factory for availability.
- Additional architectural colors available; see www.lithonia.com for more information.
- These wattages do not comply with California Title 20 regulations.

# ASF1 Metal Halide, High Pressure Sodium, Fluorescent Architectural Flood

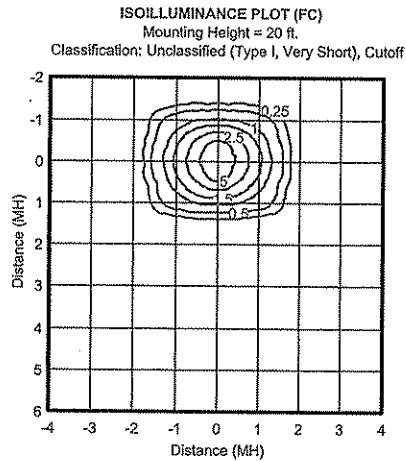
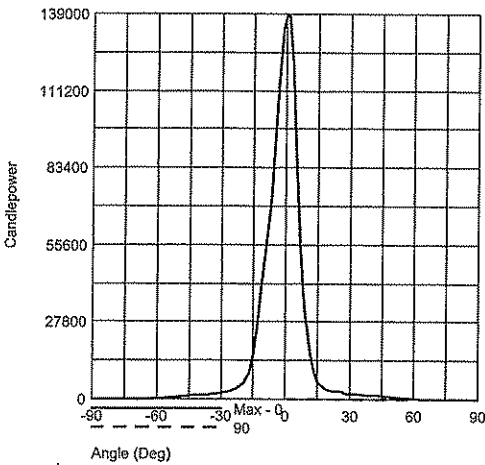
ASF1 150M HSP

TEST NO. LTL 14889P  
Cartesian Plot



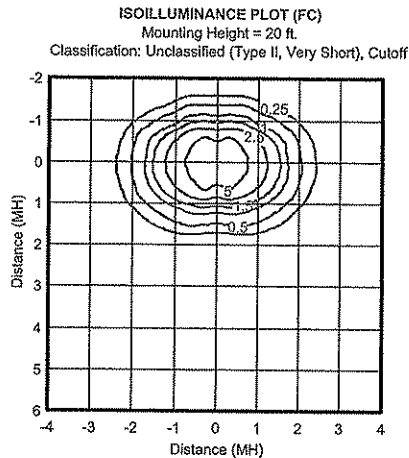
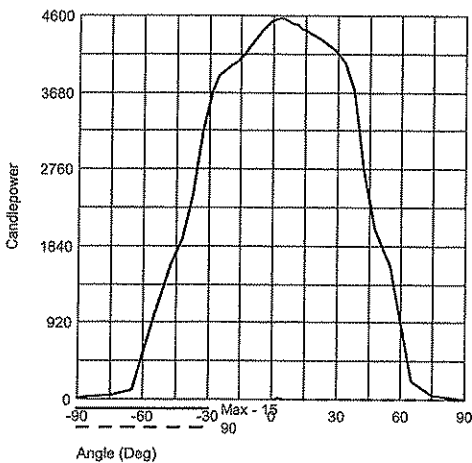
ASF1 150M NSP

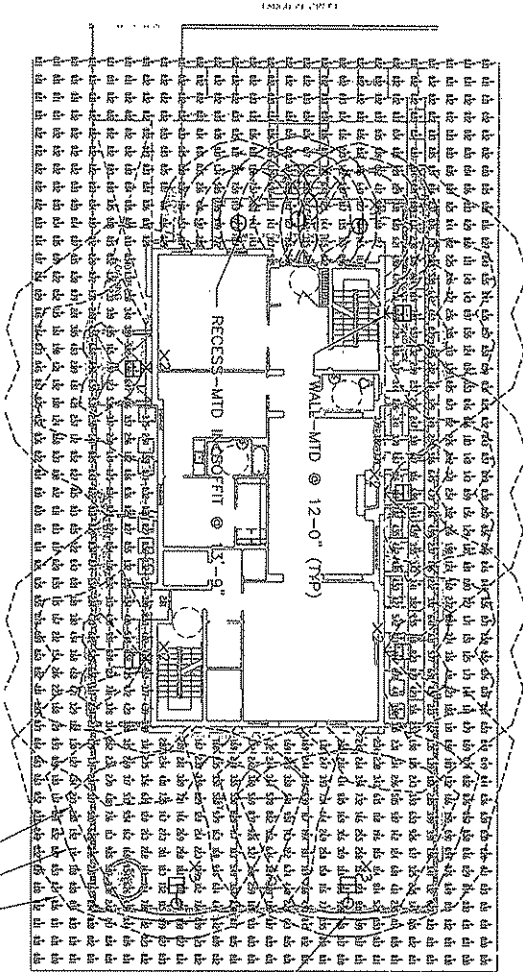
TEST NO. LTL 148256P  
Cartesian Plot



ASF1 150M WDF

TEST NO. LTL 14888P  
Cartesian Plot





SEE FRATERNITY HOUSE LIGHTING SCHEDULE

TYPE	SYMBOL	DESCRIPTION	QTY	LOCATION	REMARKS/DETAILS	DATE	BY
X1	⊖	Gothan - (1) ANG 50 R	3350			030	3
X2	⊖-1	Lithonia - (1) TWT	5300			030	5
X4	⊖-2	Lithonia - (1) INST R	12300			030	2

PER CHANGE SUMMARY

DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION	REVISION
12/15/2010	WJ	REVISION	1	12/15/2010	WJ	REVISION	1	12/15/2010	WJ	REVISION	1

**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET  
 Lot 8, Ecart the Southwest of Madison  
 Block 592, Second Plat of Madison  
 4<sup>th</sup> of 7<sup>th</sup> Block East Town, Madison, WI 53705

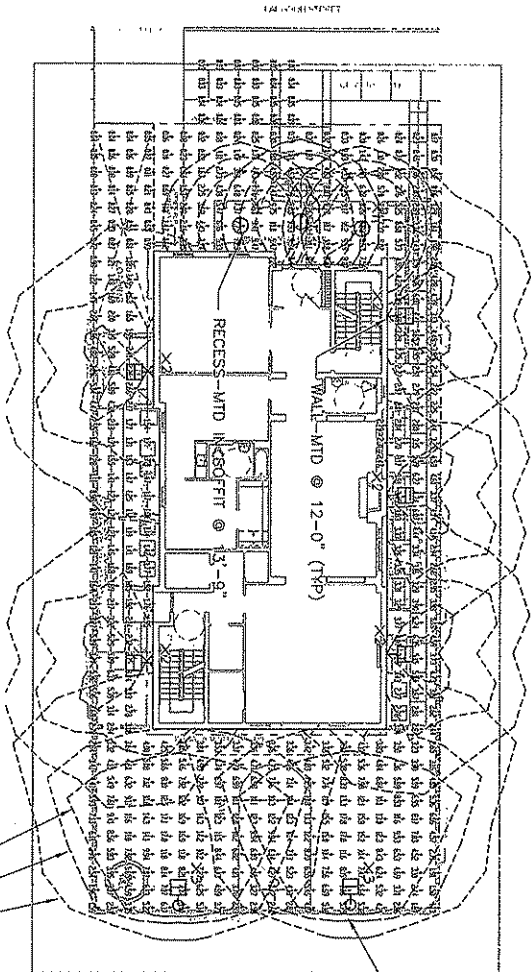
Cunningham + Associates, Architects  
 DIMENSION IV - MADISON, Architects

www.Greekink.com  
 www.dimensionmadison.com

**PROPERTY LINE LIGHTING ILLUMINATION PLAN**

NOTE: FOOT CANDLE NOTES @ 4' ABOVE GROUND





SYM	DESCRIPTION	TYPE	LUMENS	WATTAGE/VA	HLF	QTY
X1	Globe - (D) A&Z 50 W	(D) MR30/C/UCED	3350		0.90	3
X2	Lithonia - (D) TWT	(D) MR30/UCED	5500		0.90	5
X4	Lithonia - (D) QUANT 1W	(D) MR 150/UCED	12500		0.90	2

LOCATION	TYPE	QTY	WATTAGE	HLF	QTY
POLE-MTD	15'-0"	1	300	0.90	1
RECESS-MTD	13'-9"	1	300	0.90	1
WALL-MTD	12'-0"	1	300	0.90	1

**SIGMA PHI EPSILON FRATERNITY HOUSE**  
 237 LANGDON STREET  
 Lenoir, NC 28645  
 DIMENSION IV - MADISON, ARCHITECTS  
 www.dimensionivmadison.com

**SITE LIGHTING ILLUMINATION PLAN**  
 APRIL 2020

NOTE: FOOT CANDLE NOTES ARE AT GROUND LEVEL

SHEET 1  
SL-2