

Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

**UNIVERSITY OF WISCONSIN
HILLEL**

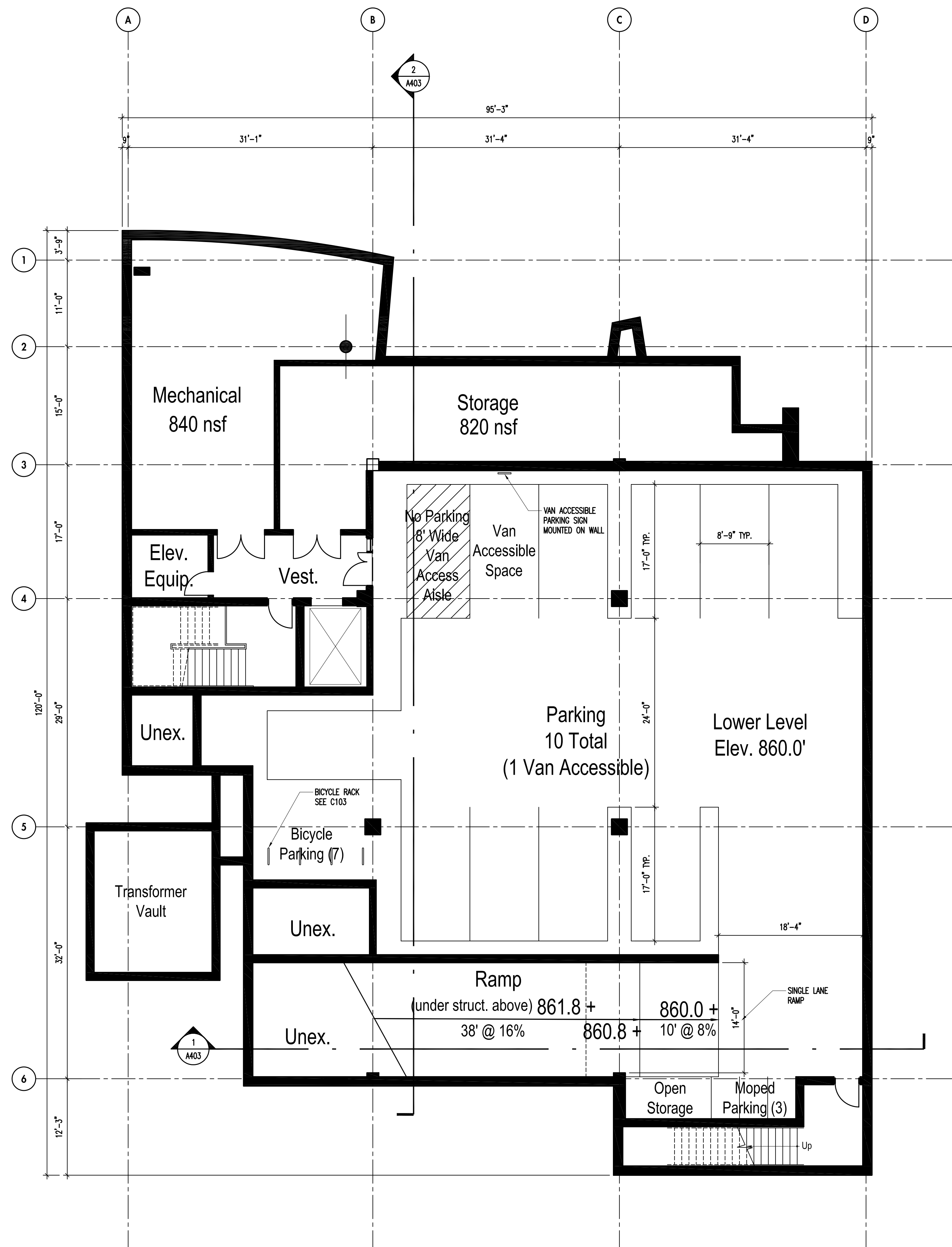
MADISON, WISCONSIN

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

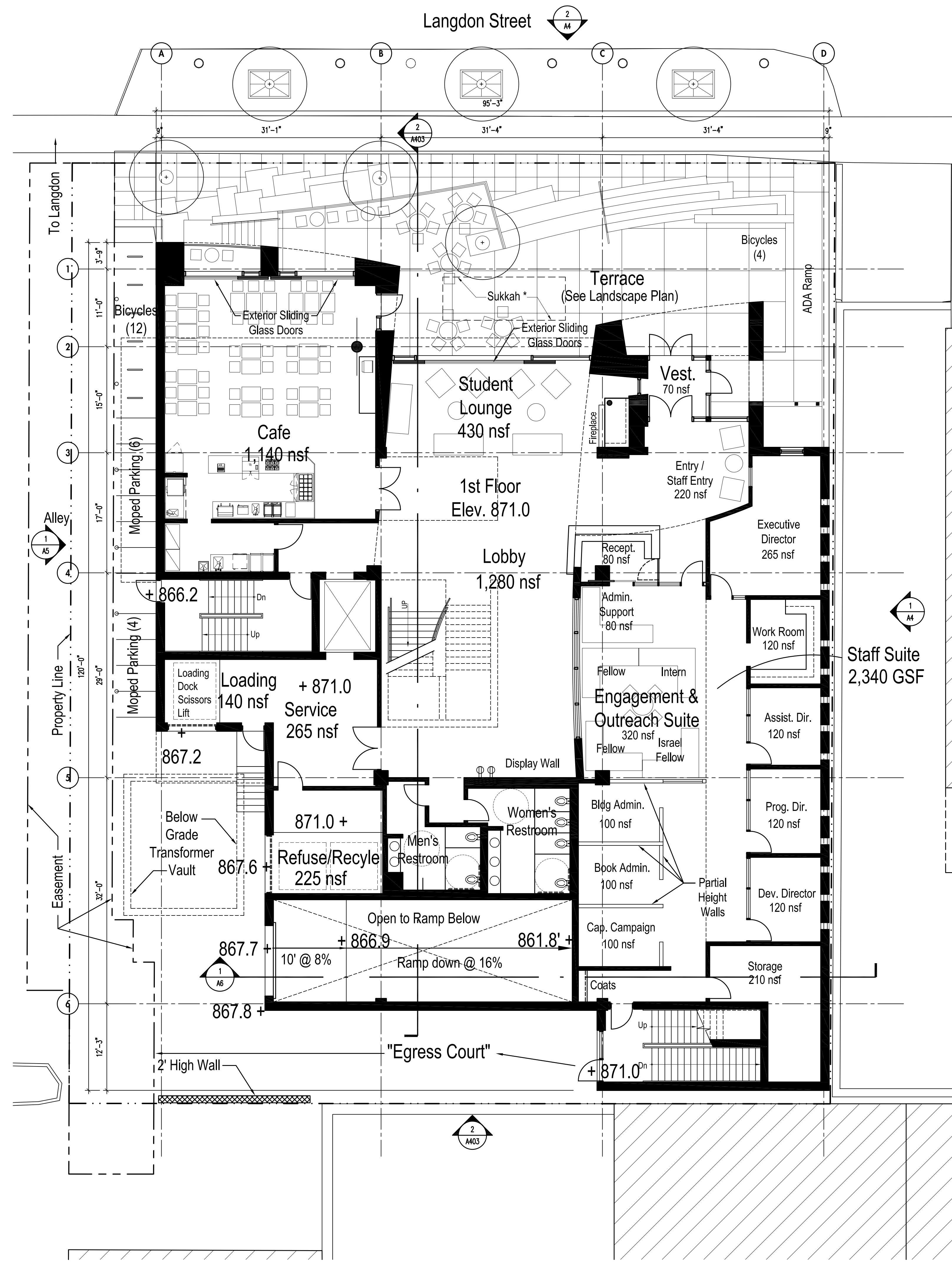
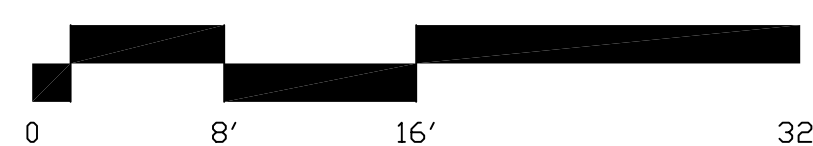
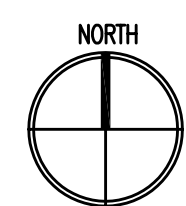
Project No. 071690

Issued For:
No. Description Date

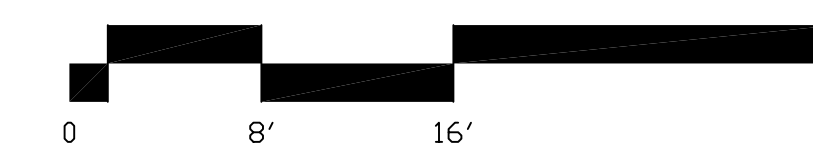
**CITY REVIEW SET 8-14-2007
- NOT FOR CONSTRUCTION**



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



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



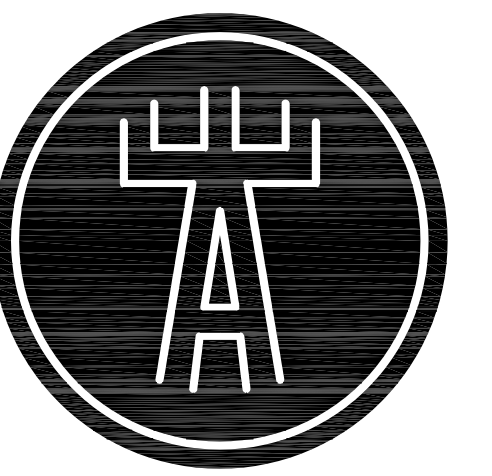
Building Square Footage Summary

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

Drawn by
Checked By
File 1690 A101.dwg

**Lower Level and
First Floor Plans**

A101



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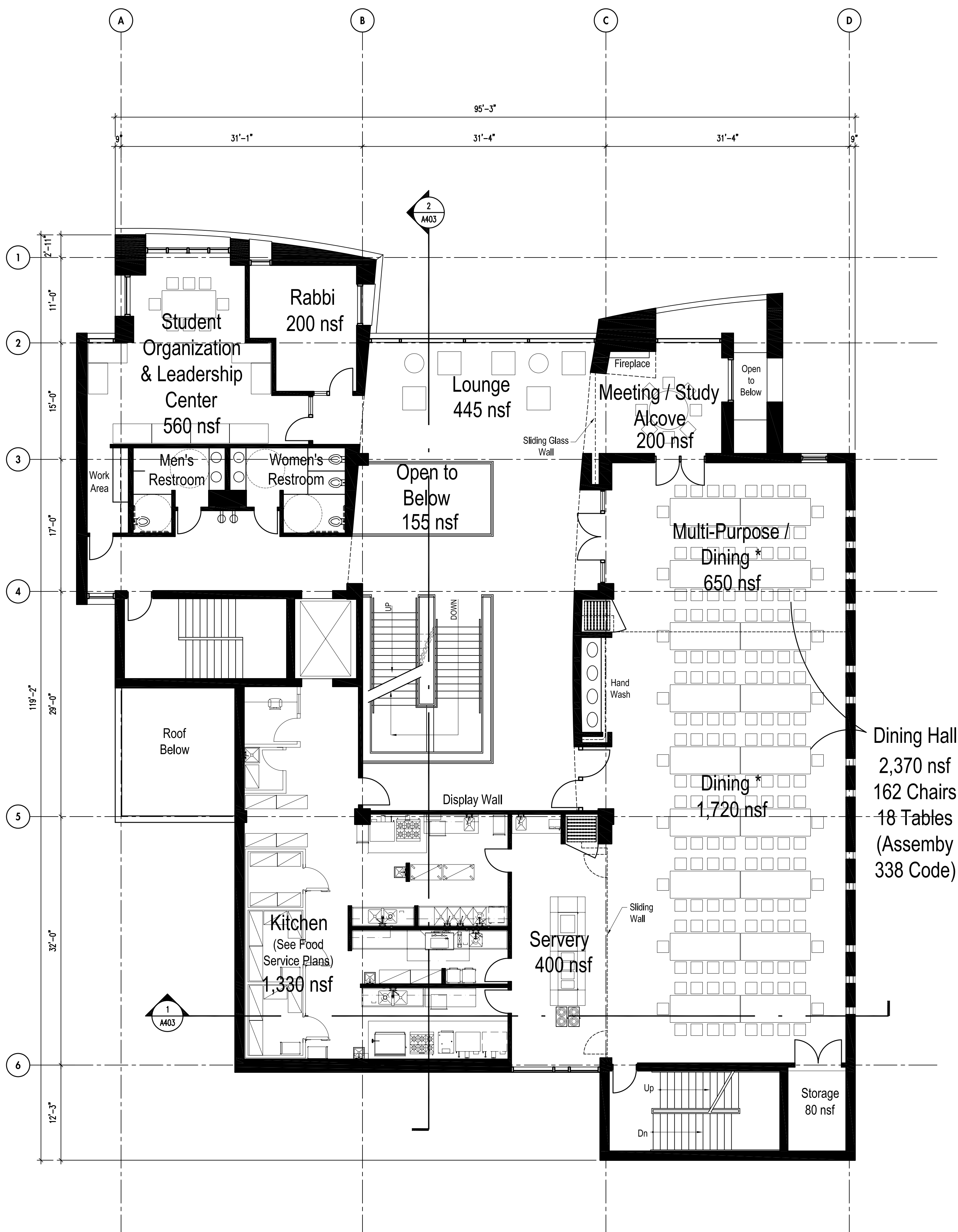
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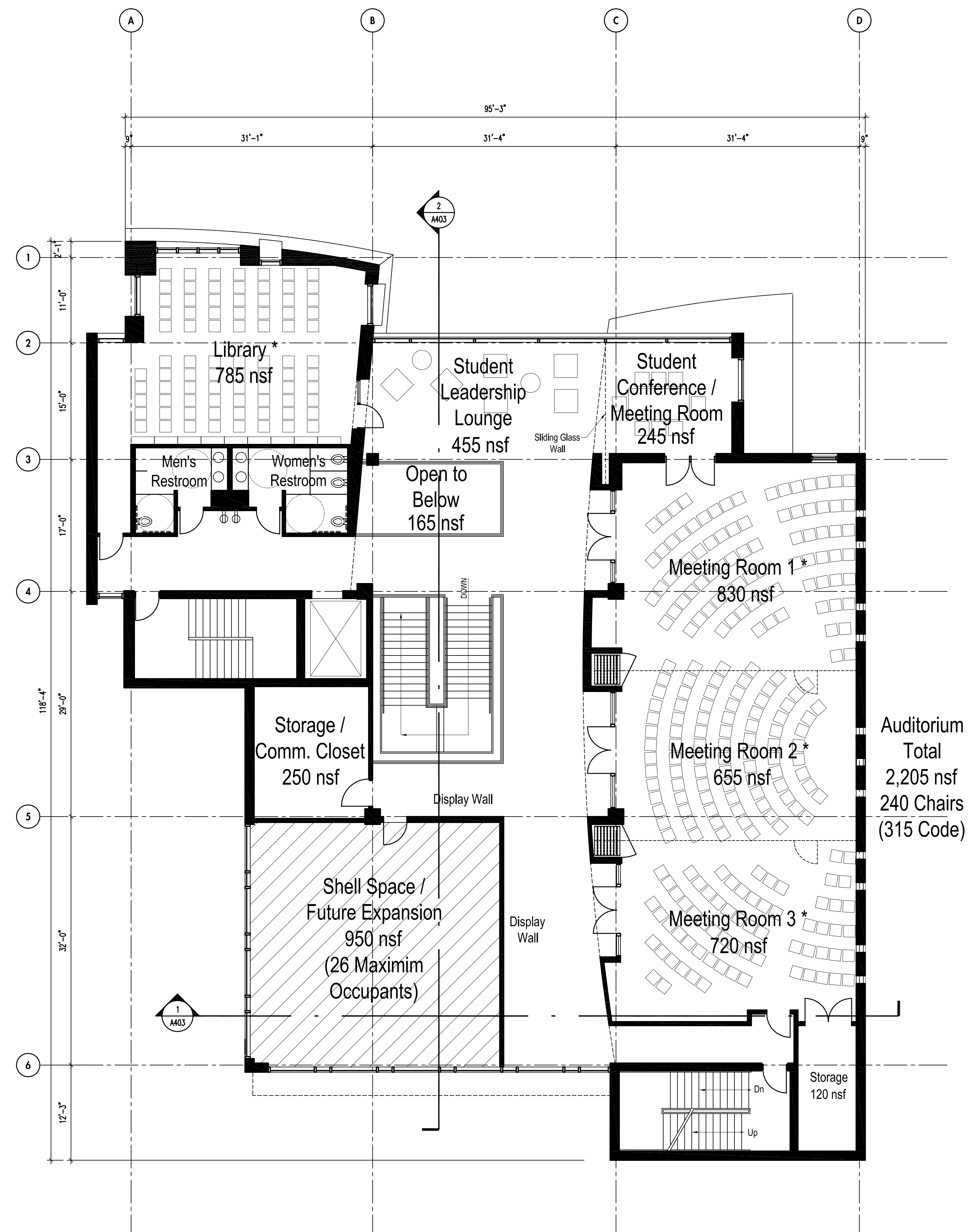
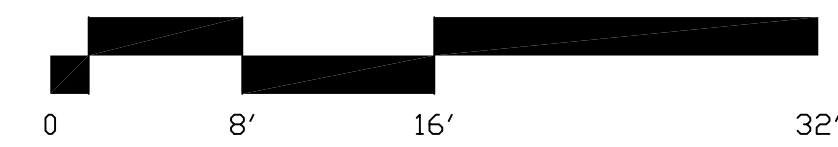
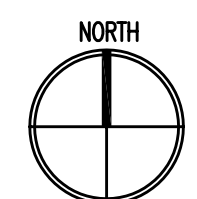
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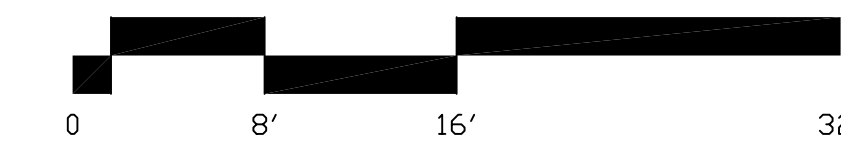
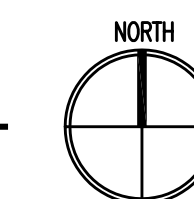
* Indicates room used as worship space

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



* Indicates room used as worship space

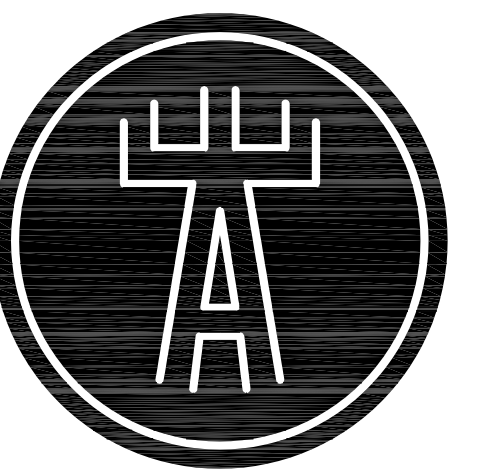
2 Third Floor
SCALE: 1/8"=1'-0"



Auditorium
Total
2,205 nsf
240 Chairs
(315 Code)

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**Second and Third
Floor Plans**



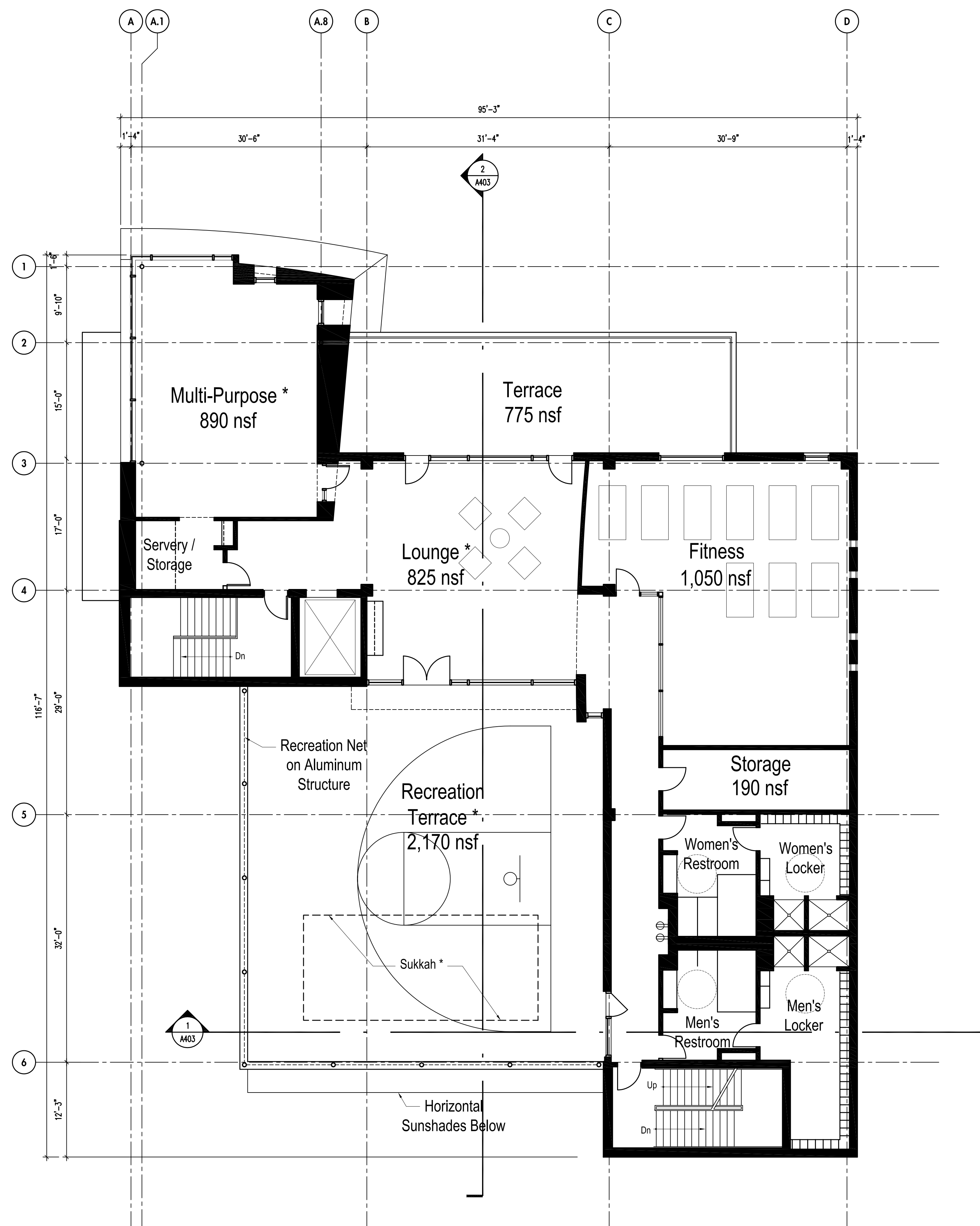
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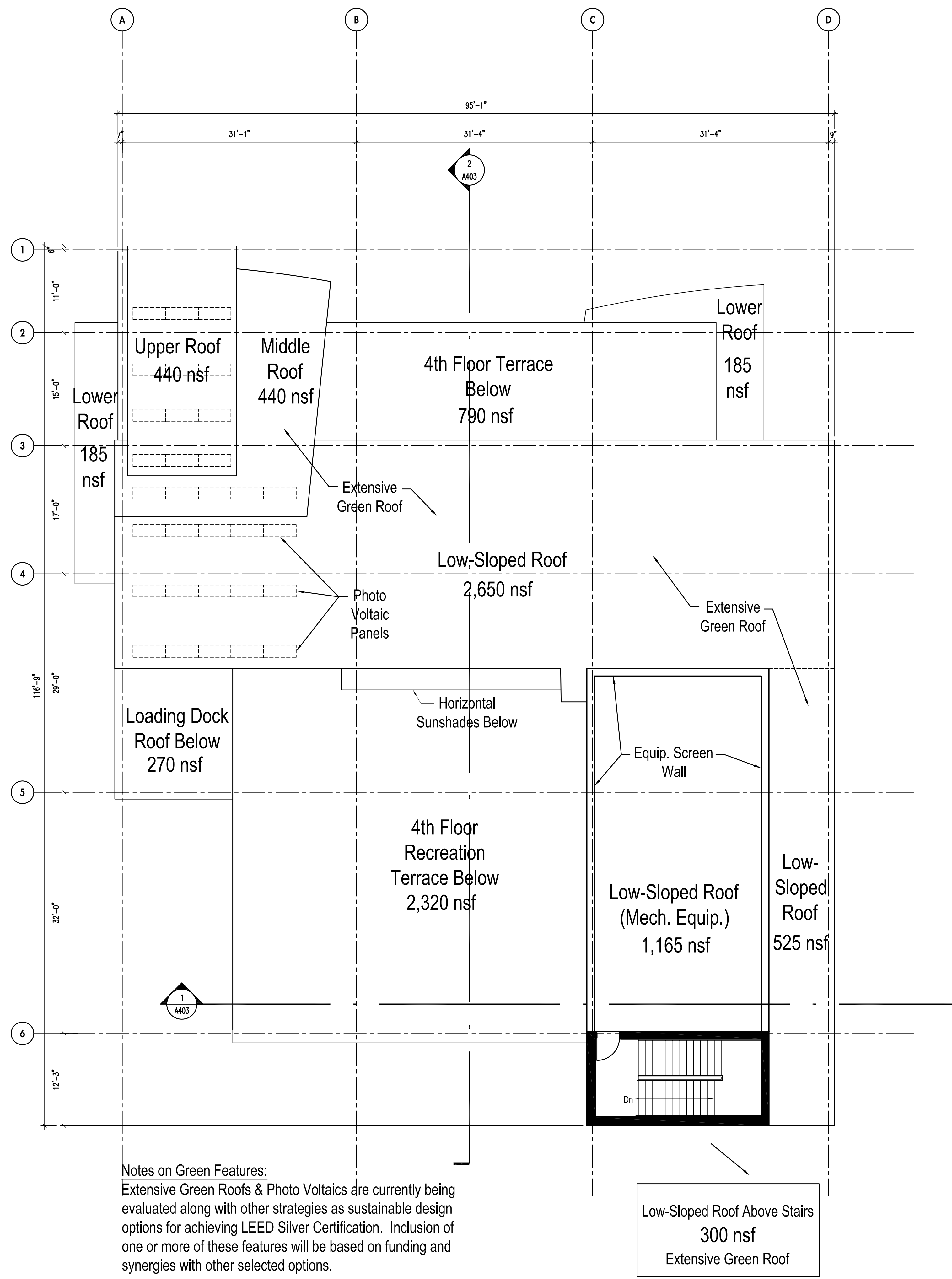
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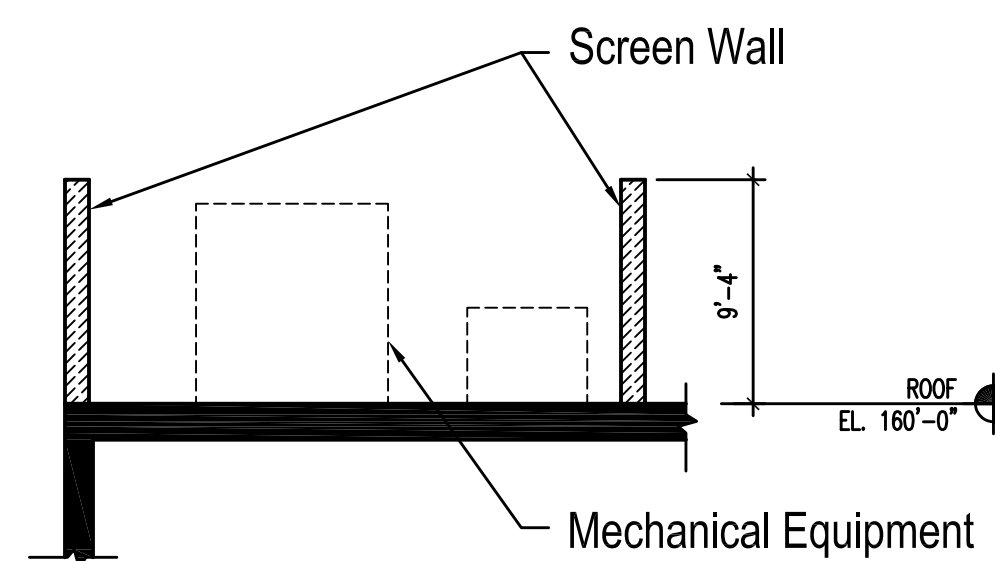
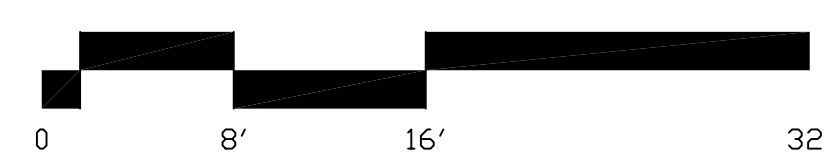
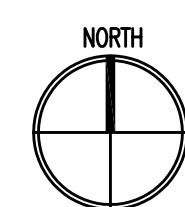


* Indicates room or area used as worship space



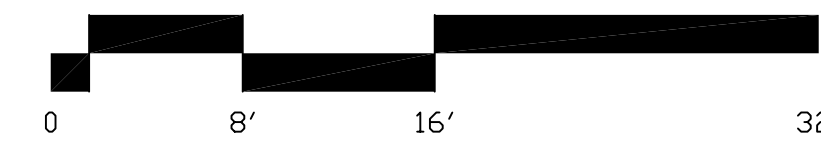
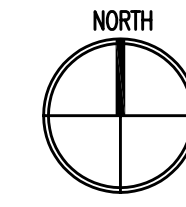
Notes on Green Features:
Extensive Green Roofs & Photo Voltatics are currently being evaluated along with other strategies as sustainable design options for achieving LEED Silver Certification. Inclusion of one or more of these features will be based on funding and synergies with other selected options.

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



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

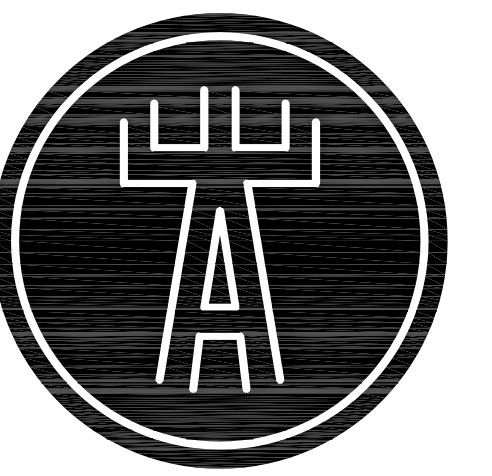
2 Roof Plan
SCALE: 1/8"=1'-0"



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**Fourth Floor and
Roof Plans**

A103



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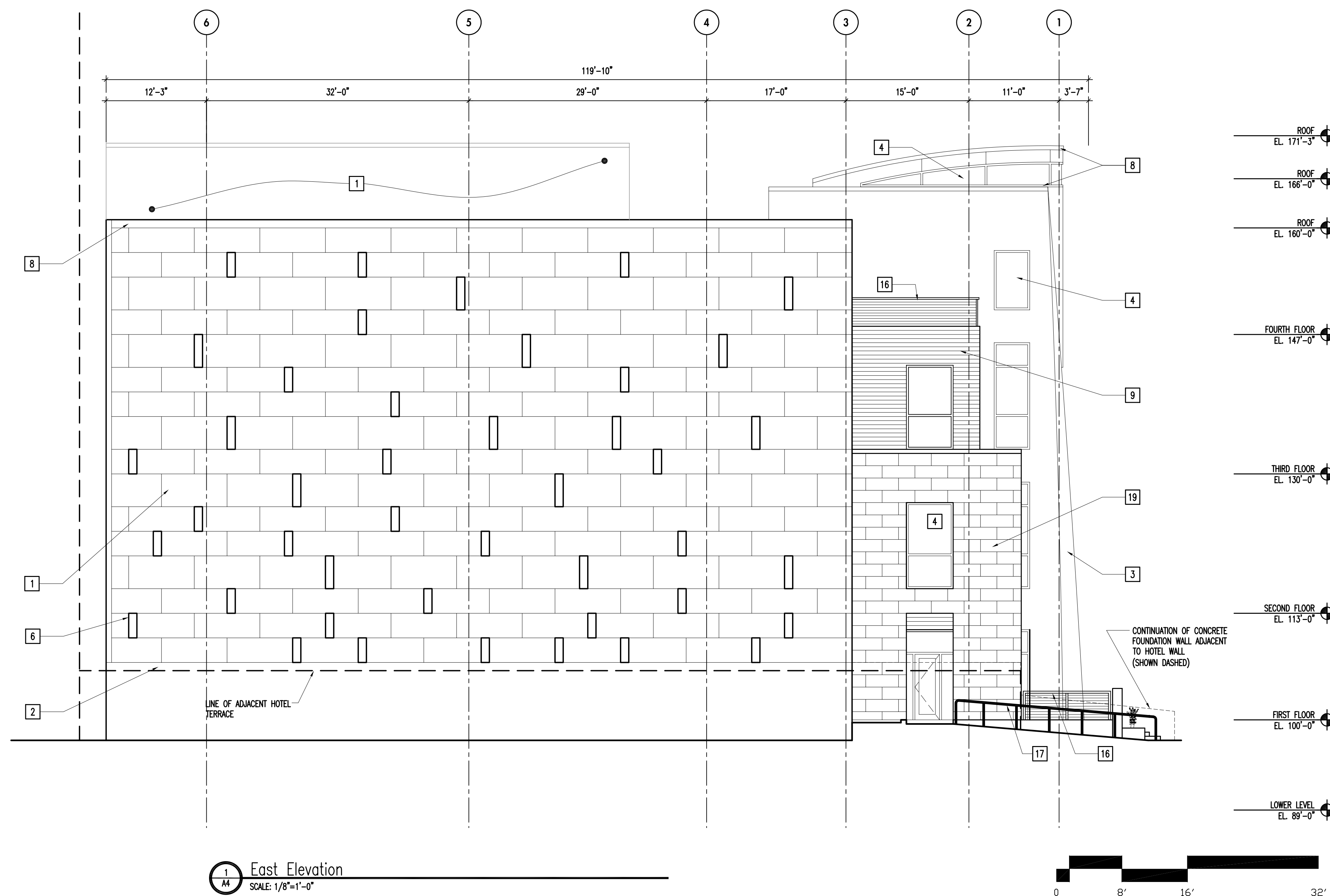
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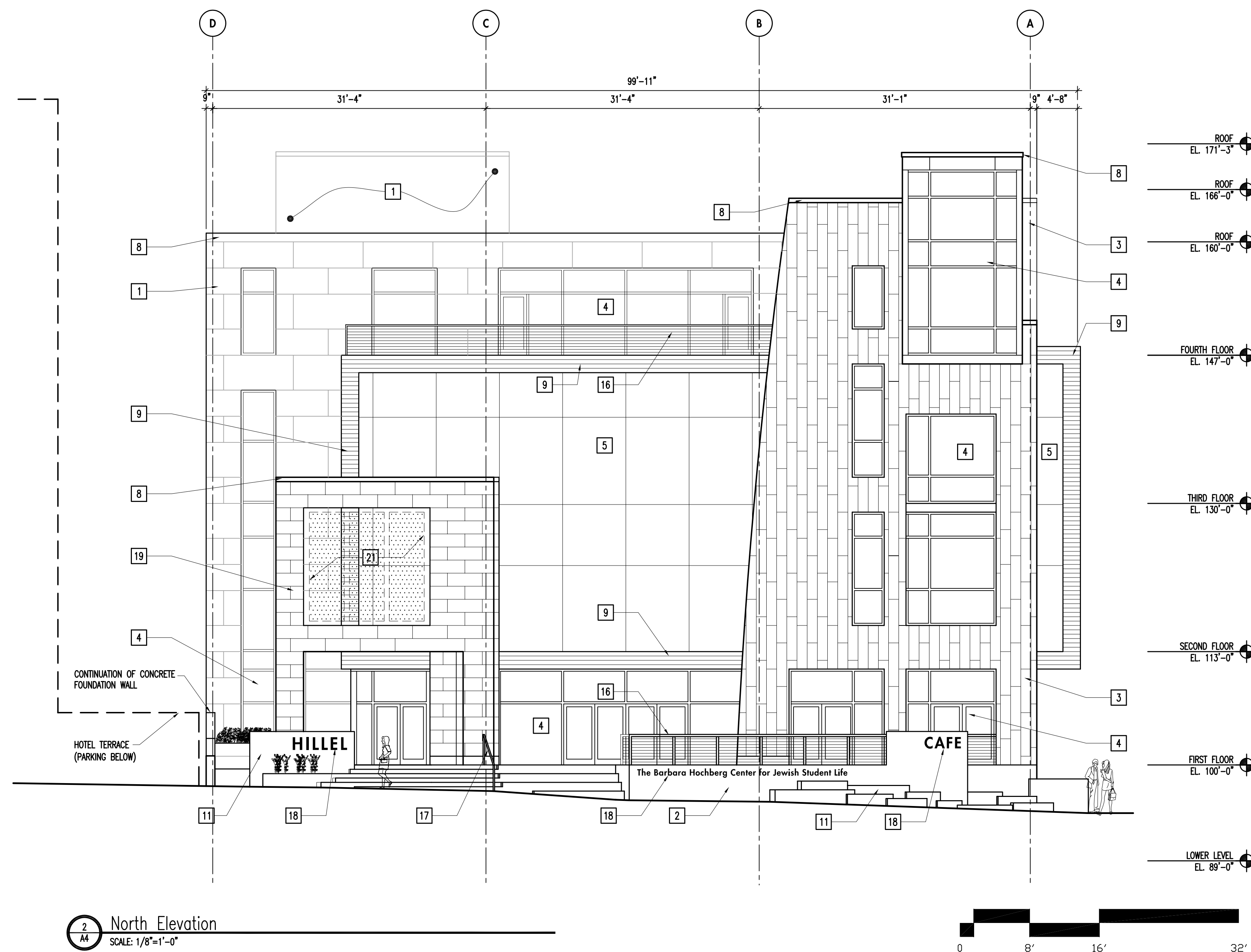
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1 East Elevation
SCALE: 1/8"=1'-0"



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

KEYED NOTES

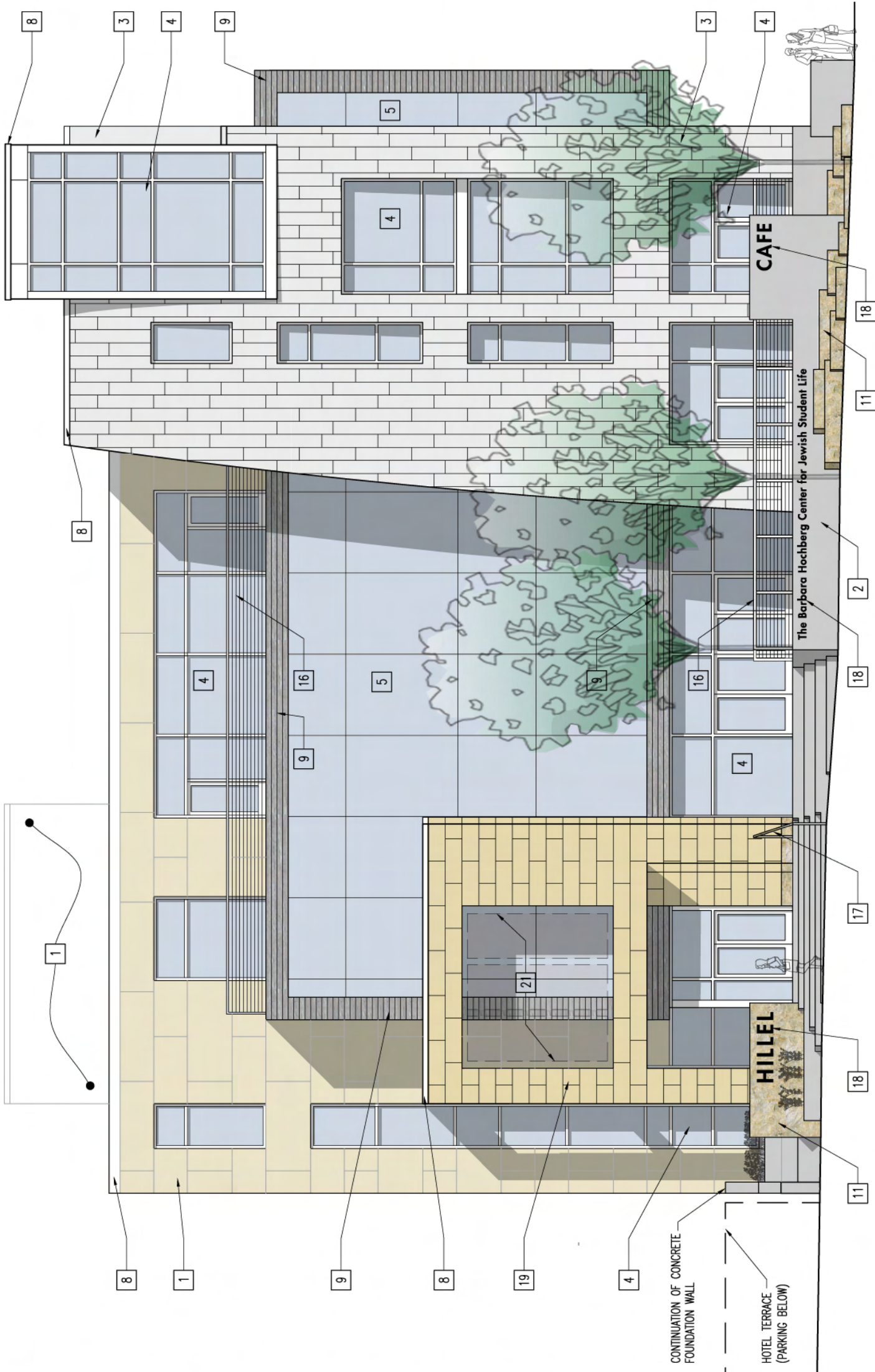
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- 2 SITE CAST SANDBLASTED CONCRETE
- 3 HOOK AND STRAP BRUSHED STAINLESS STEEL PANELS
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- 5 CLEAR INSULATED LOW-E GLAZING IN BUTT GLAZED CURTAIN WALL
- 6 GLASS BLOCK (1-HR. RATED AT EAST ELEVATION)
- 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
- 21 BANNER LOCATIONS

Drawn by -
Checked By -
File 6190_A401.dwg

**Exterior Elevations
- East and North**

A401

- ROOF EL. 171'-3"
- ROOF EL. 166'-0"
- ROOF EL. 160'-0"
- FOURTH FLOOR EL. 147'-0"
- THIRD FLOOR EL. 130'-0"
- SECOND FLOOR EL. 113'-0"
- FIRST FLOOR EL. 100'-0"



KEYED NOTES

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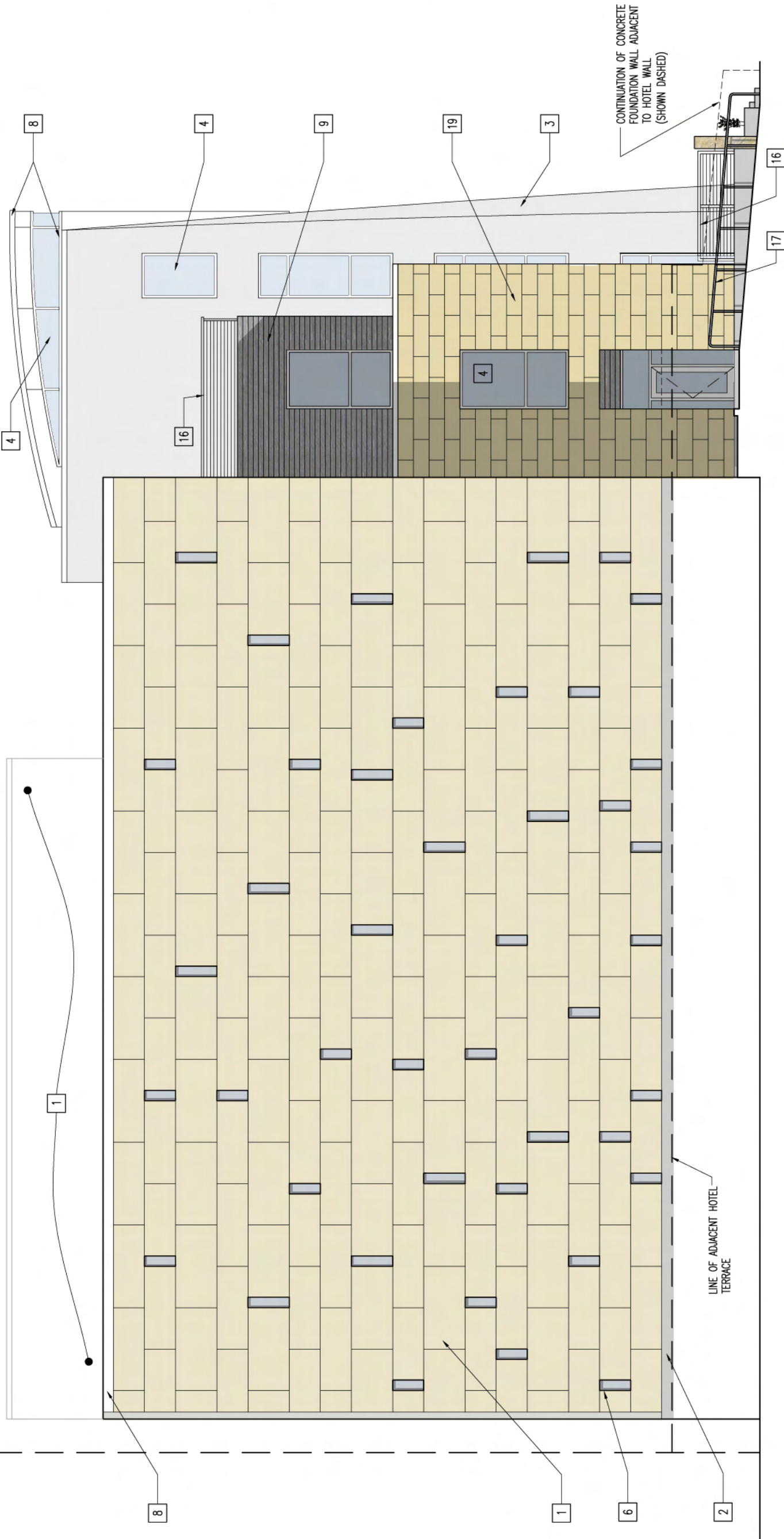


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Project No. 071690

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

A401a

- ROOF
EL. 171'-3"
- ROOF
EL. 166'-0"
- ROOF
EL. 160'-0"
- FOURTH FLOOR
EL. 147'-0"
- THIRD FLOOR
EL. 130'-0"
- SECOND FLOOR
EL. 113'-0"
- FIRST FLOOR
EL. 100'-0"



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

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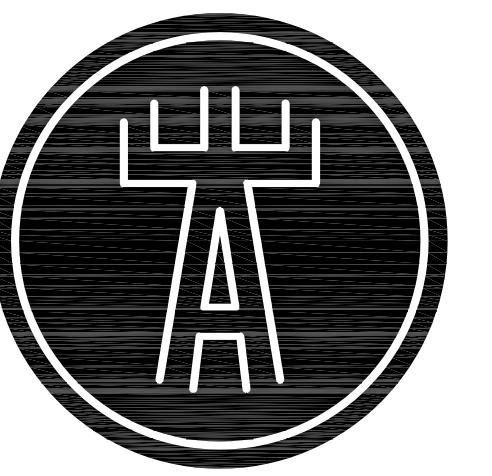
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A401b



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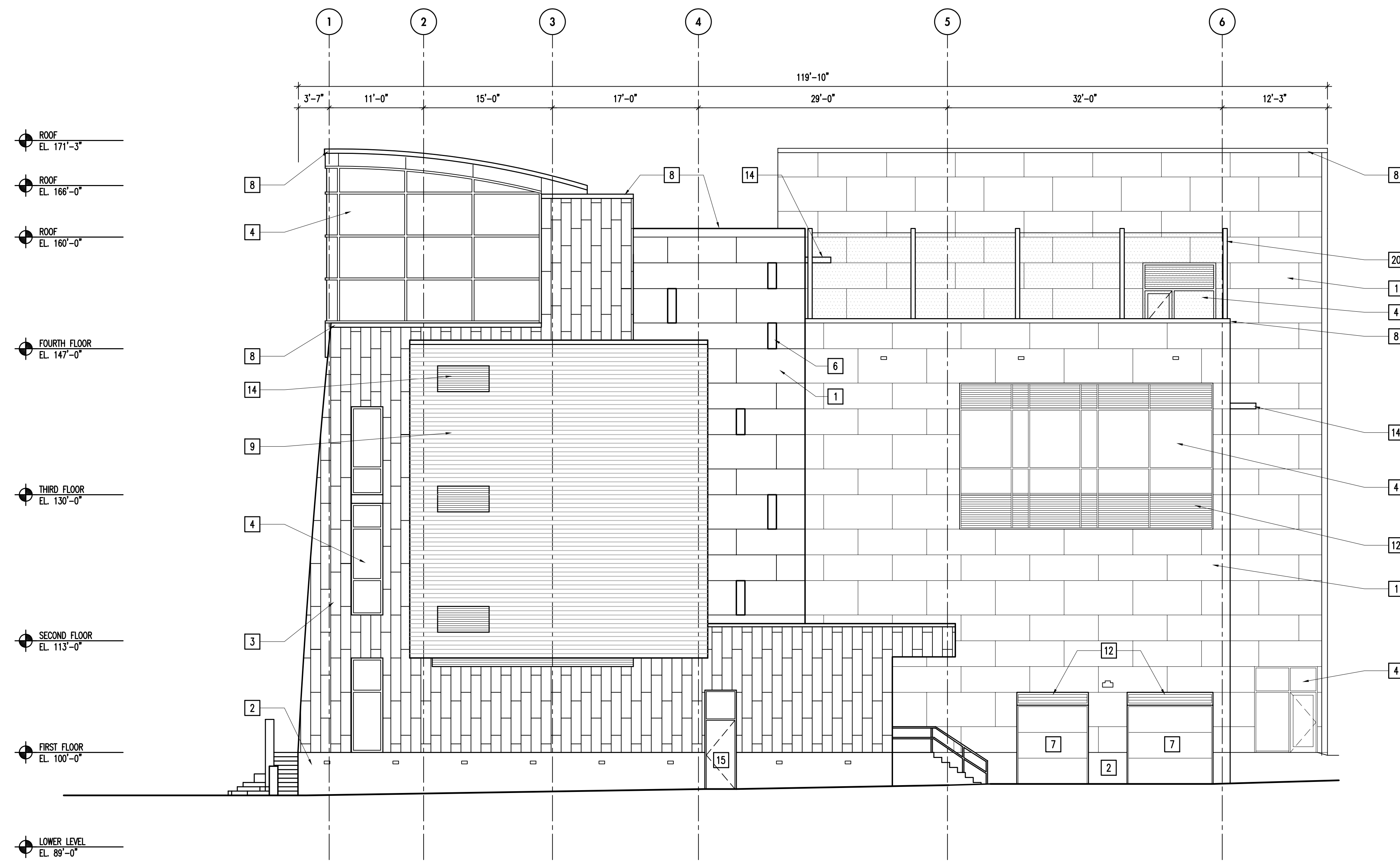
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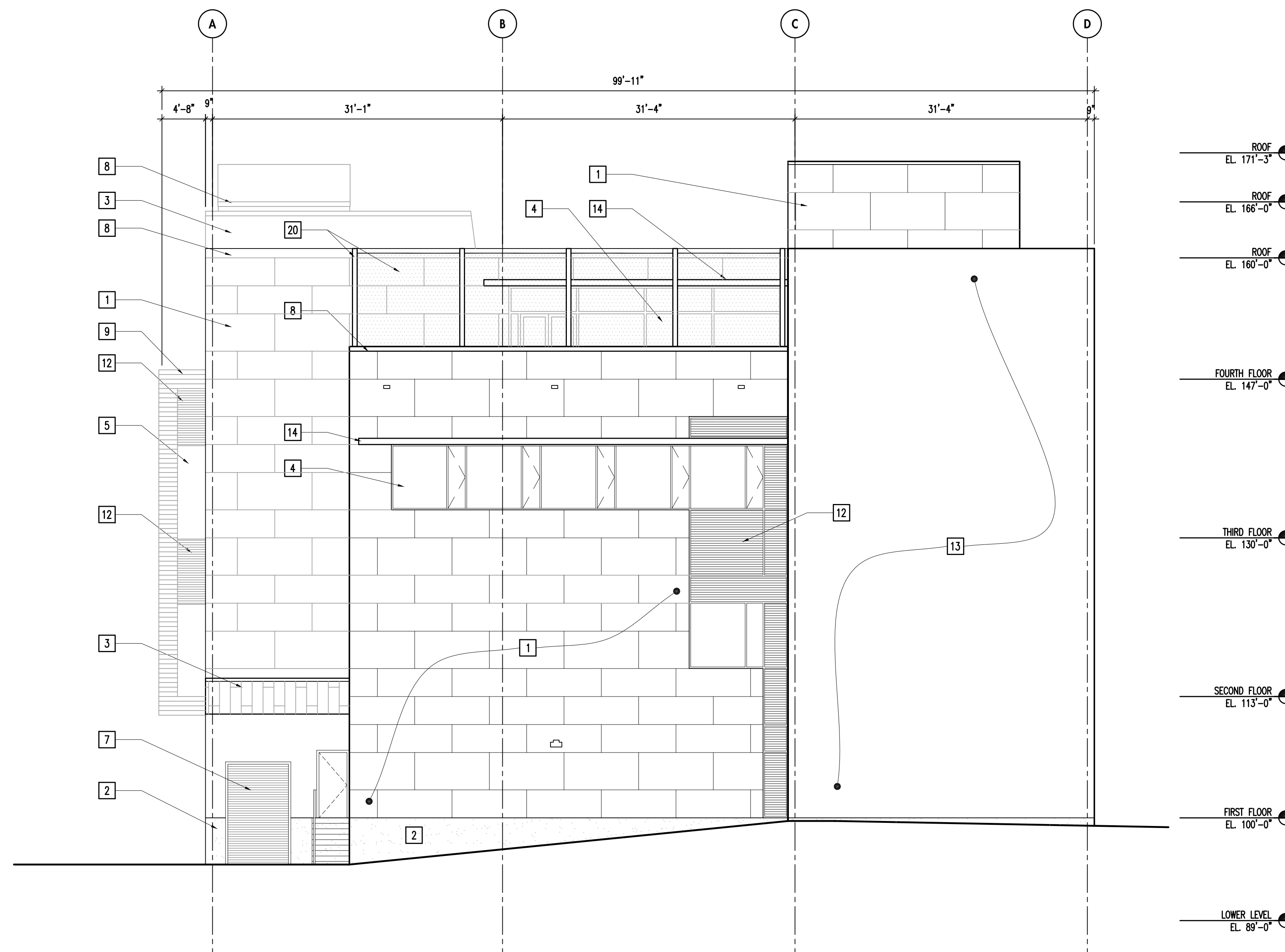
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1
AS
West Elevation
SCALE: 1/8"=1'-0"



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

KEYED NOTES

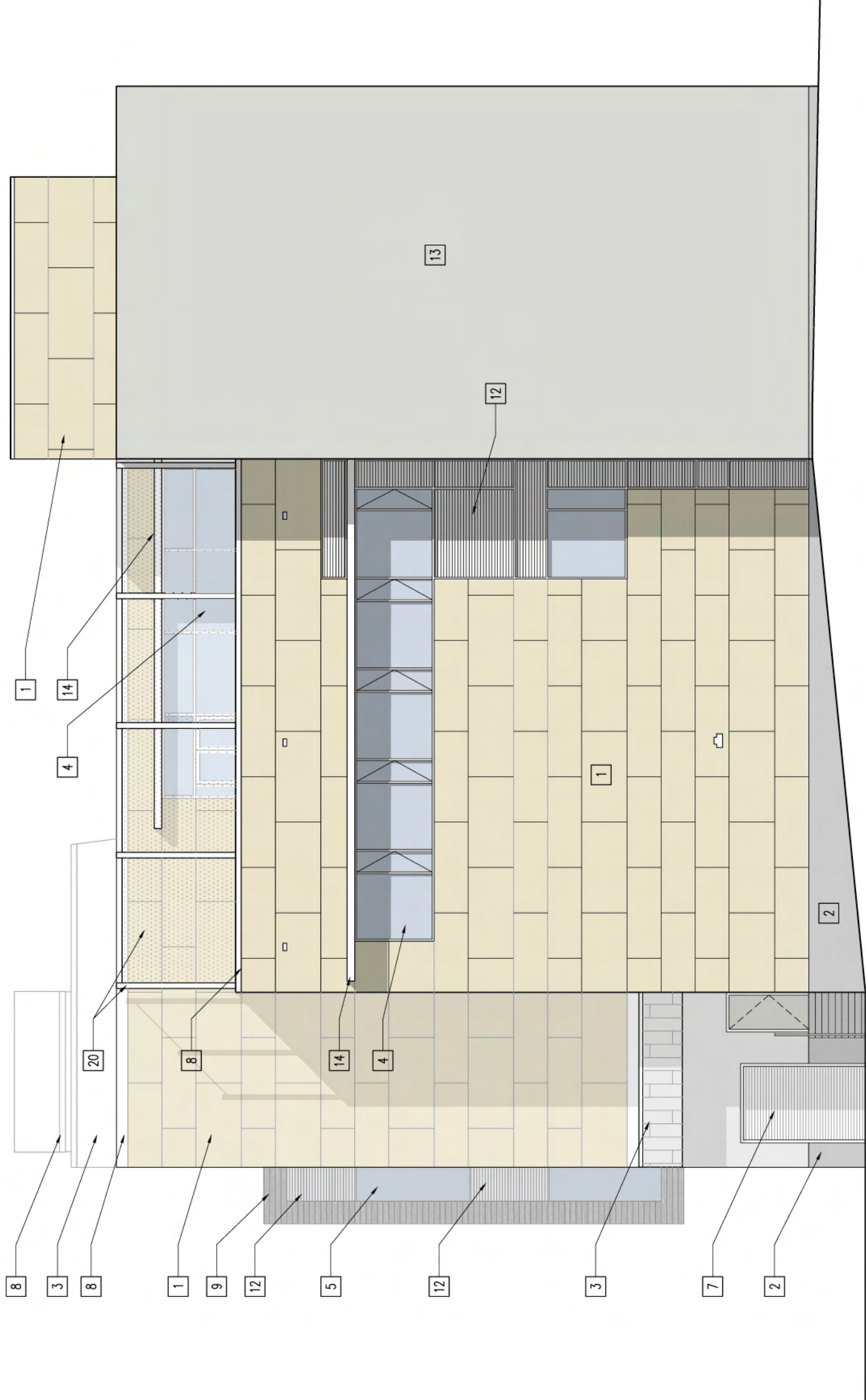
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- 20 RECREATION NET ON ALUMINUM STRUCTURE

Drawn by -
Checked By -
File 1690 A402.dwg

**Exterior Elevations
- West and South**

A402

- ROOF
EL. 171'-3"
- ROOF
EL. 166'-0"
- ROOF
EL. 160'-0"
- FOURTH FLOOR
EL. 147'-0"
- THIRD FLOOR
EL. 130'-0"
- SECOND FLOOR
EL. 113'-0"
- FIRST FLOOR
EL. 100'-0"



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

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A402a

ROOF
EL. 171'-3"

ROOF
EL. 166'-0"

ROOF
EL. 160'-0"

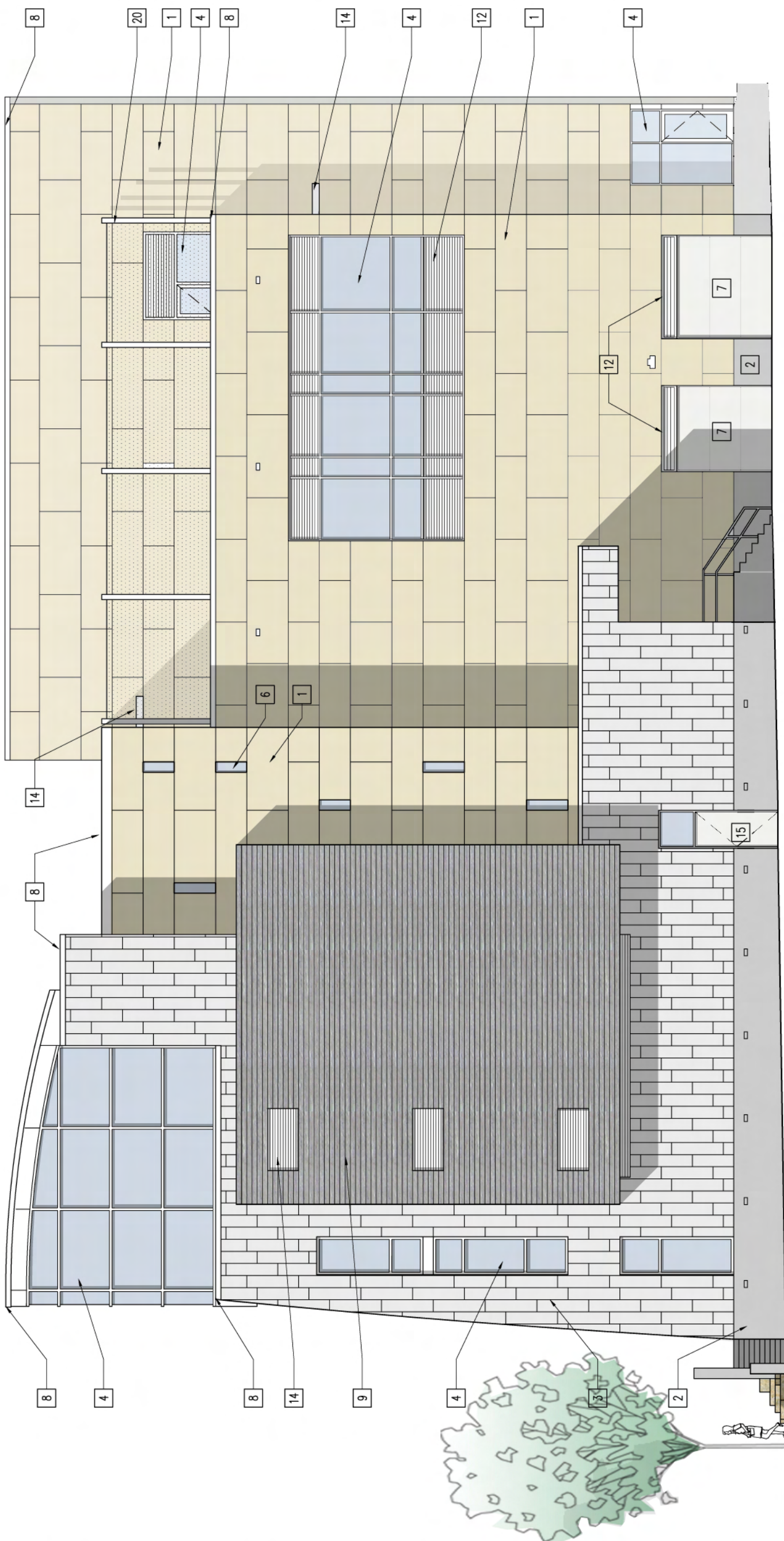
FOURTH FLOOR
EL. 147'-0"

THIRD FLOOR
EL. 130'-0"

SECOND FLOOR
EL. 113'-0"

FIRST FLOOR
EL. 100'-0"

LOWER LEVEL
EL. 89'-0"



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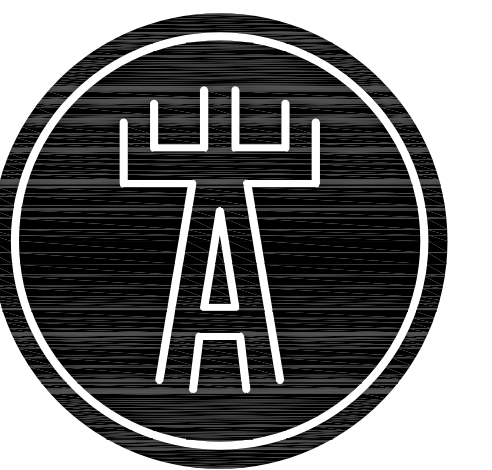
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WEST ELEVATION
3/32" = 1'-0"

A402b



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Burse
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1400 E. Washington Ave. Suite 150
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Phone: 608-250-8585
Fax: 608-250-8266
e-mail: burse@chonus.net

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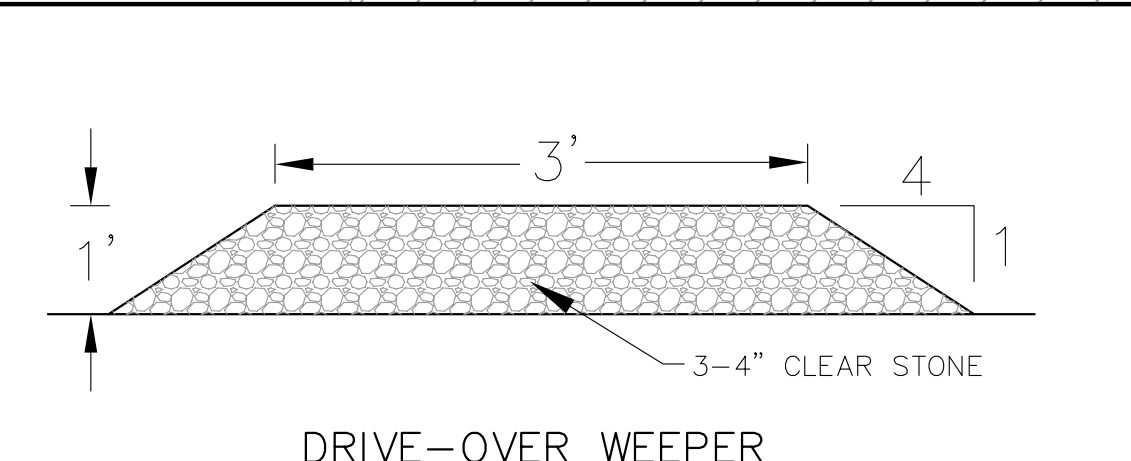
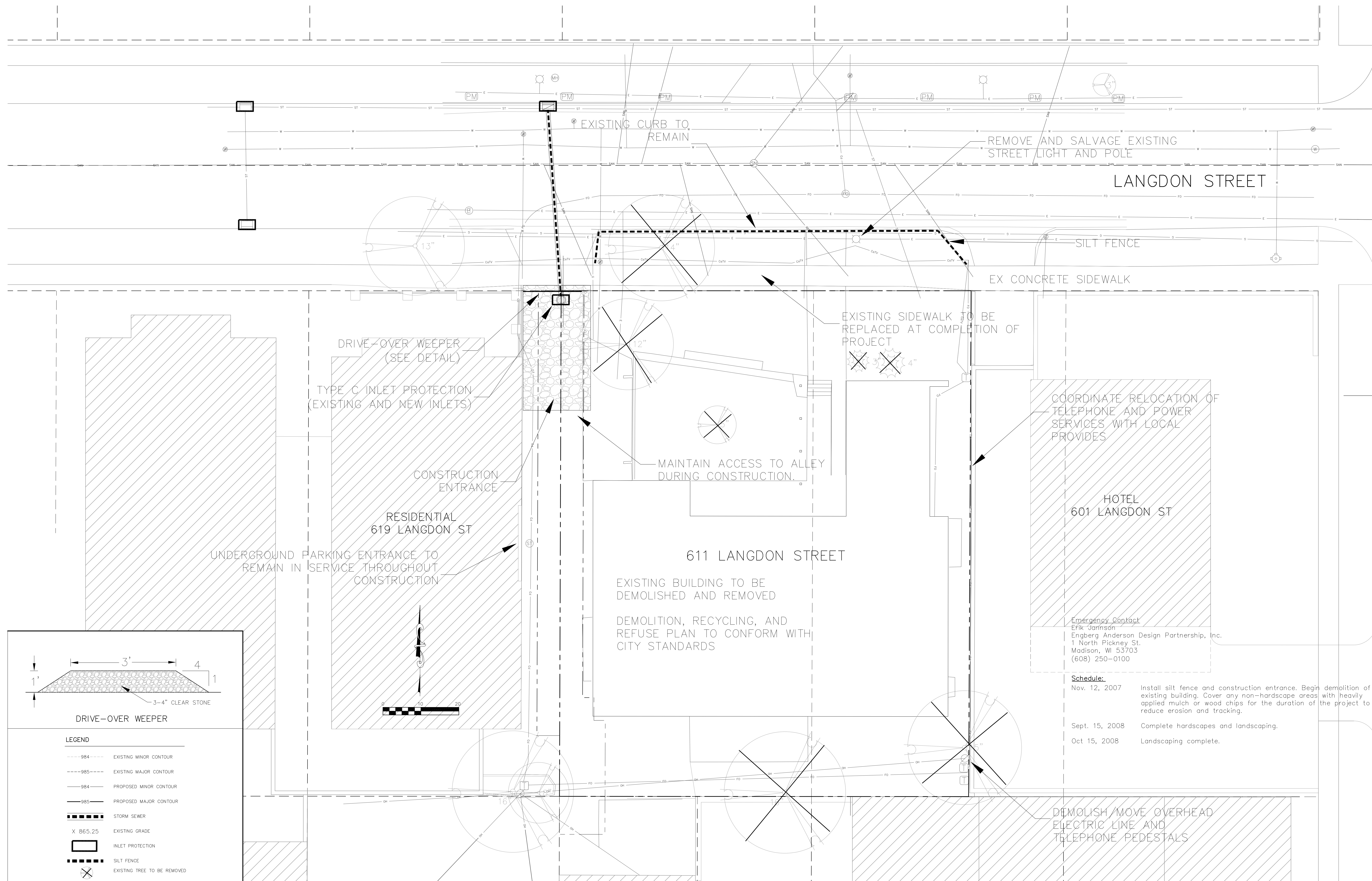
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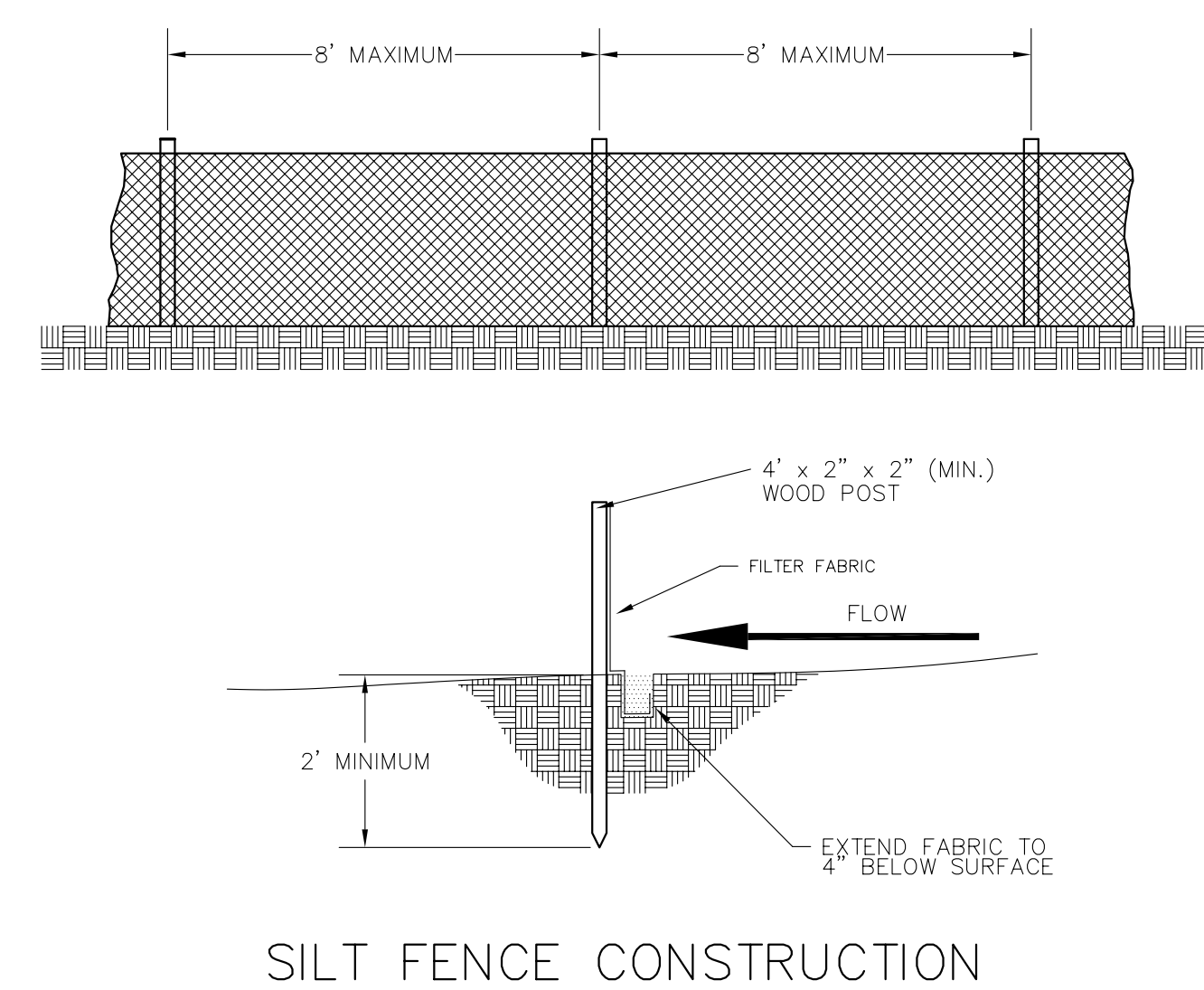
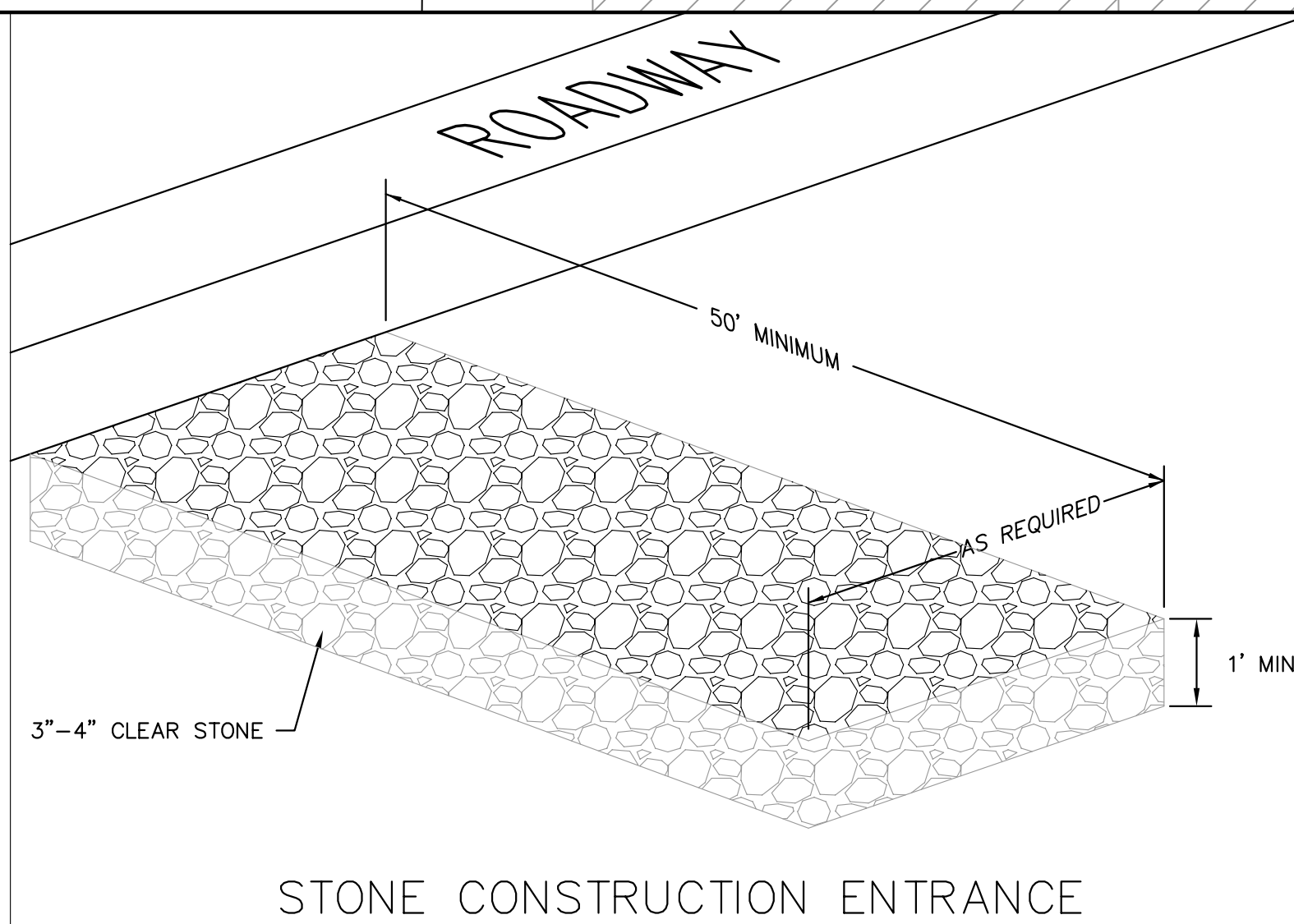


DRIVE-OVER WEEPER

LEGEND

---984---	EXISTING MINOR CONTOUR
---985---	EXISTING MAJOR CONTOUR
---984---	PROPOSED MINOR CONTOUR
---985---	PROPOSED MAJOR CONTOUR
---	STORM SEWER
X 865.25	EXISTING GRADE
□	INLET PROTECTION
---	SILT FENCE
⊗	EXISTING TREE TO BE REMOVED

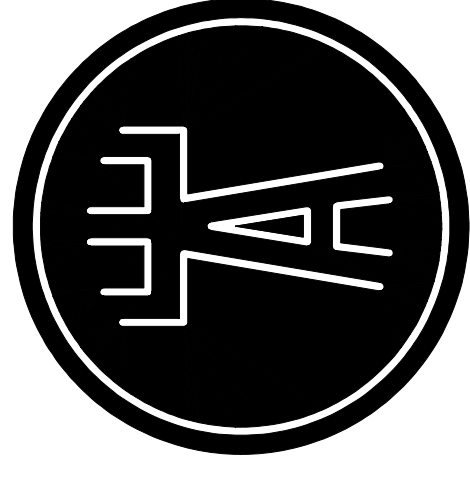
- Erosion Control Notes/Specifications:**
- Erosion control devices and/or structures shall be installed prior to clearing and grubbing operations. These shall be properly maintained for maximum effectiveness until vegetation is re-established.
 - Erosion control is the responsibility of the contractor 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.
 - 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.
 - 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>.
 - 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/engserv/pol.htm>. Inlet protection shall be installed prior to the stormwater system receiving site runoff. Other than for performing maintenance, these devices shall not be removed until plot-level stabilization is complete.
 - 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.
 - All debris tracked onto public streets shall be swept or scraped clean by the end of each workday.
 - All disturbed areas shall be seeded immediately after grading activities have been completed.
 - 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.
 - 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.



Drawn by
Checked by
File

**Site Demolition & Erosion
Control Plan**

C100



Engberg-Anderson Design Partnership, Inc.
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UNIVERSITY OF WISCONSIN
HILLEL

MADISON, WISCONSIN

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

Project No 071690

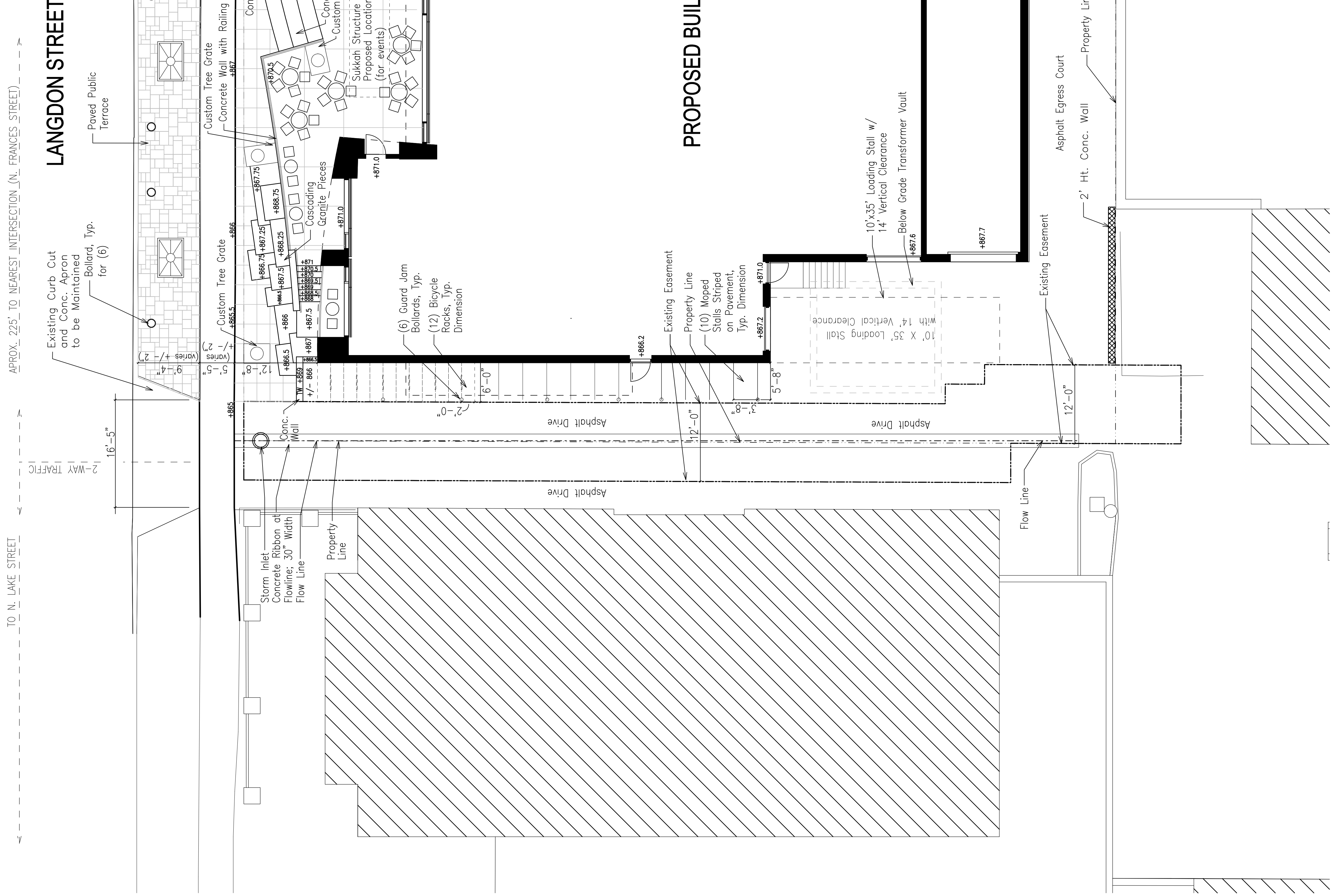
Issued For: _____ **Date** _____
No. _____ **Description** _____

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

Drawn by RLF
Checked by XXX
File 2007-015_kad_base.dgn

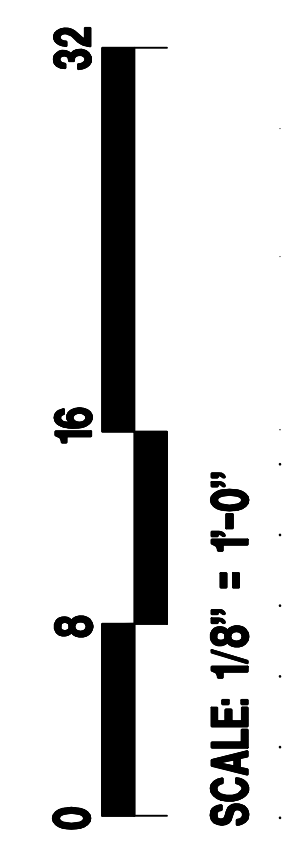
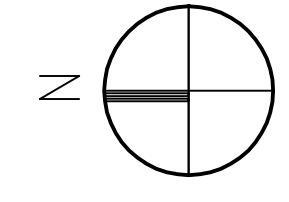
Site Layout Plan

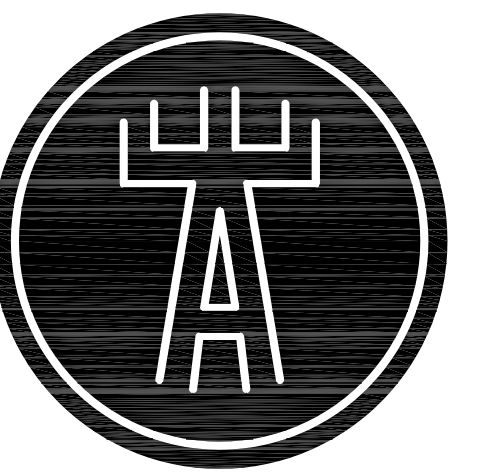
C101



NOTES:

1. The contractor will be responsible for repairing 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.





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Burse
Surveying and Engineering, Inc.
1400 E. Washington Ave. Suite 150
Madison, WI 53703
Phone: 608-250-8585
Fax: 608-250-8266
e-mail: burse@chonsa.net

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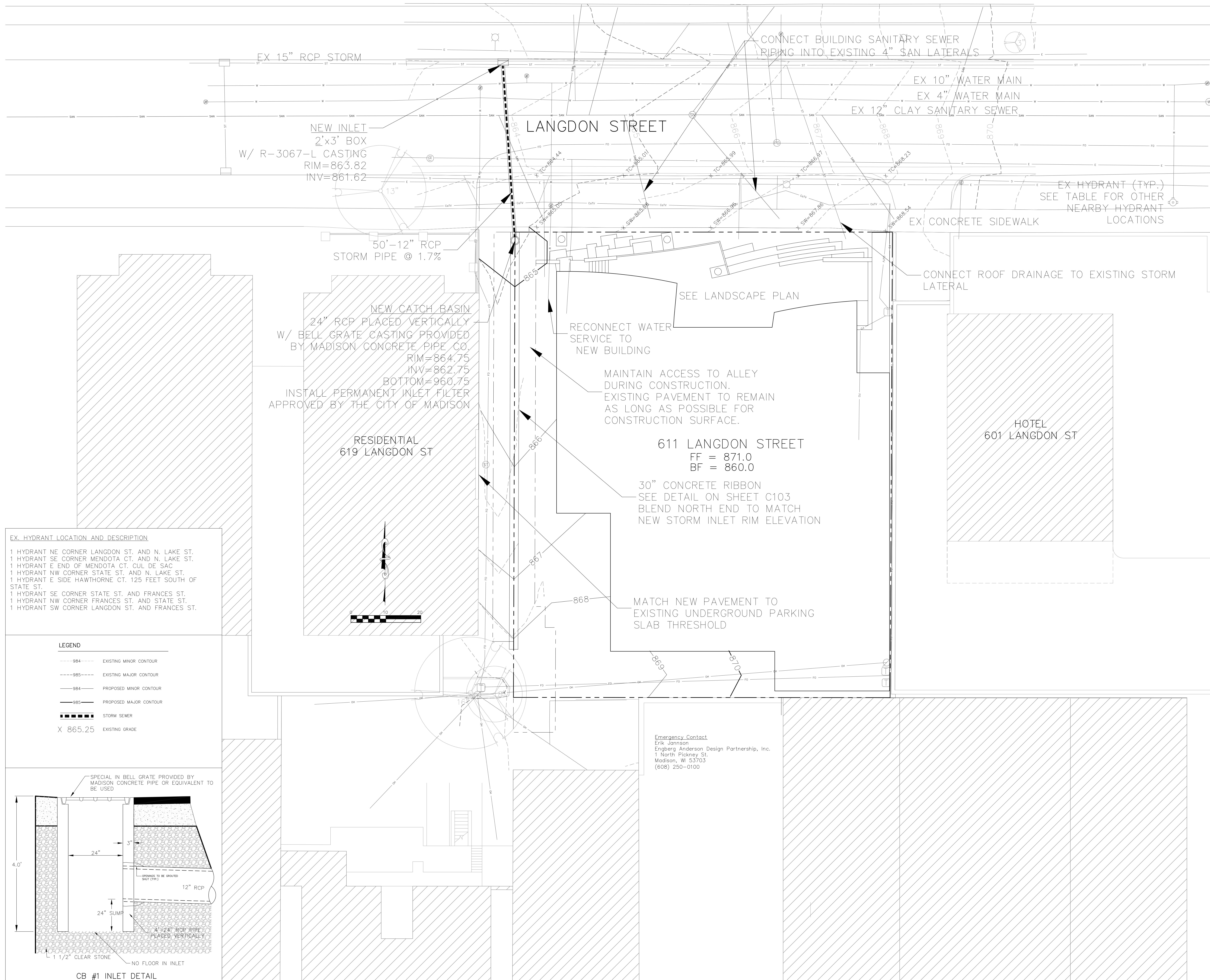
MADISON, WISCONSIN

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Issued For:
No. **Description** **Date**

**CITY REVIEW SET 8-14-2007
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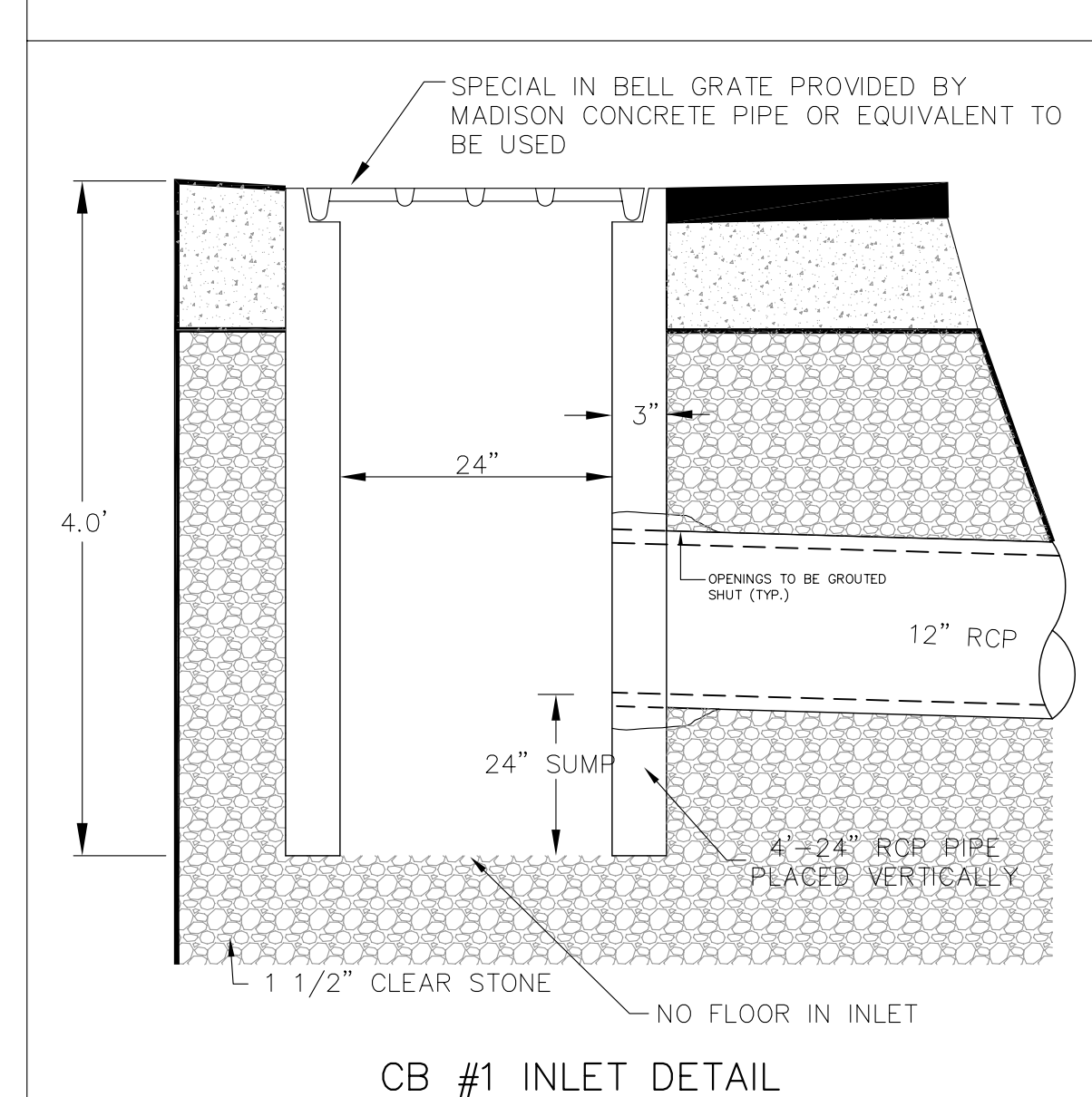


EX. HYDRANT LOCATION AND DESCRIPTION

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

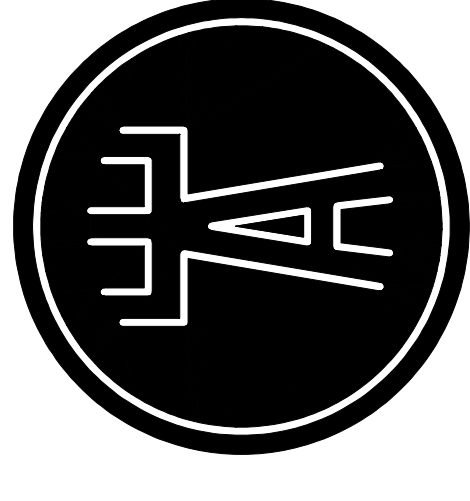


Emergency Contact
Erik Jansson
Engberg Anderson Design Partnership, Inc.
1 North Pickney St.
Madison, WI 53703
(608) 250-0100

Drawn by
Checked by
File

Grading & Utility Plan

C102



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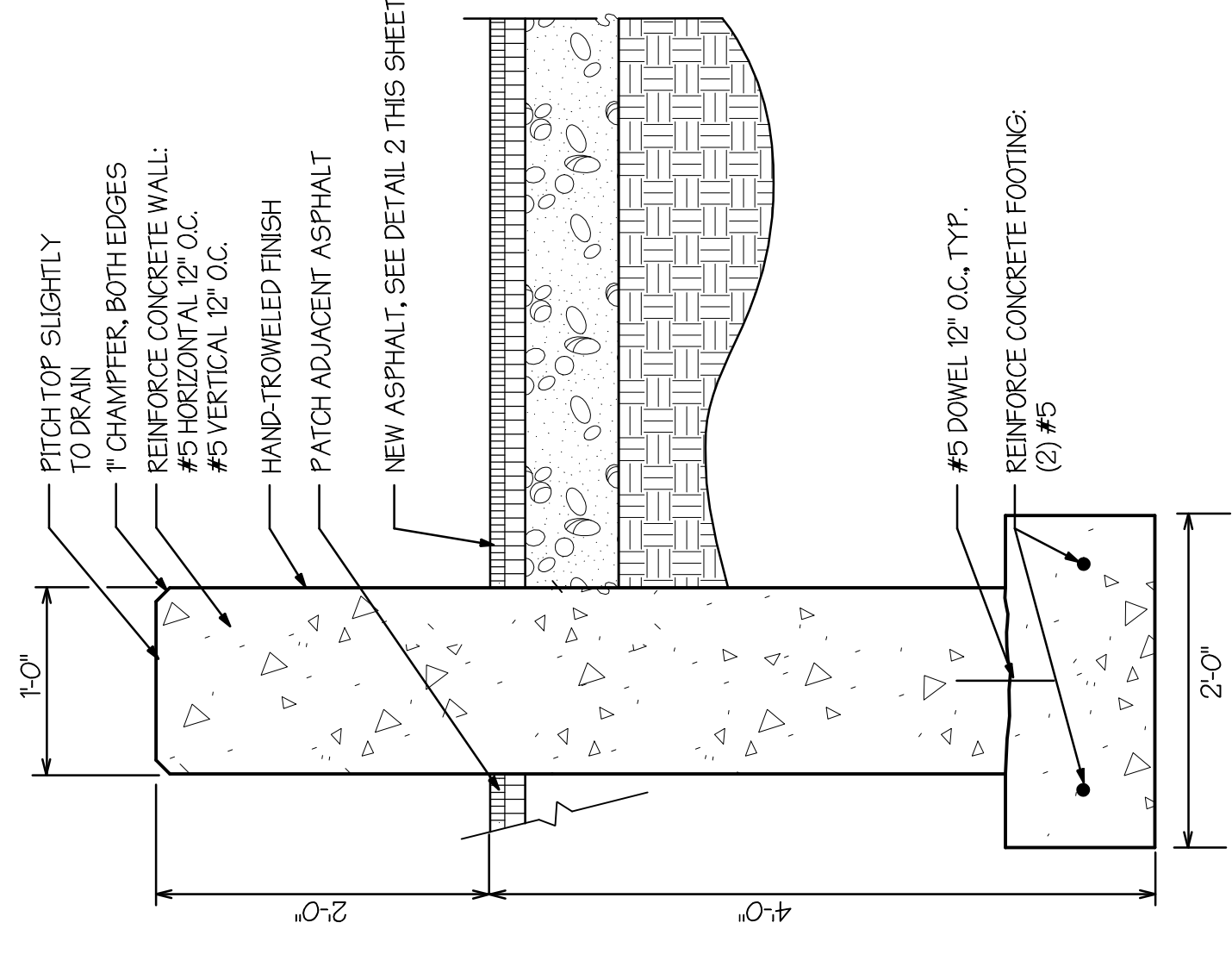
MADISON, WISCONSIN

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

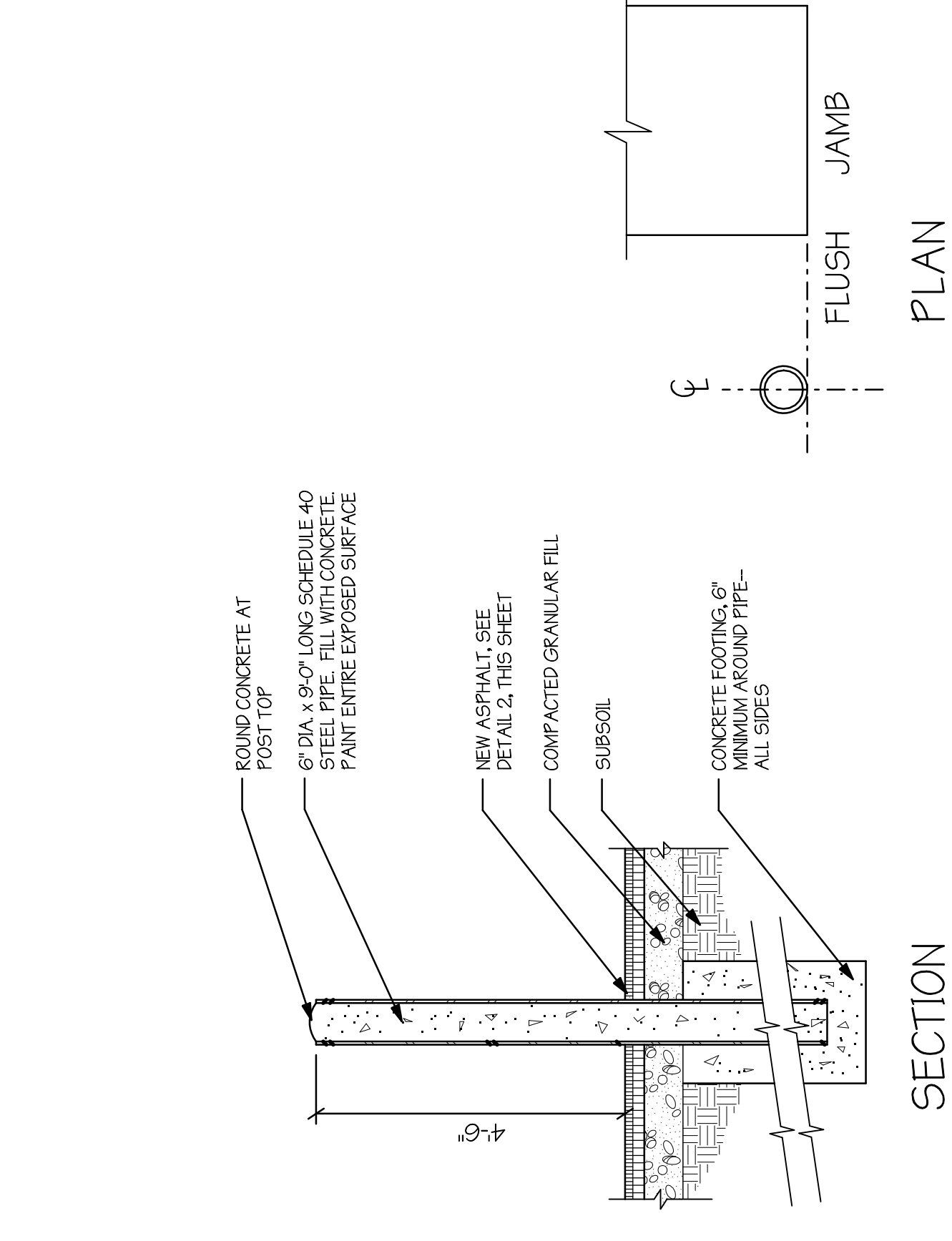
Project No 071690

Issued For: _____ Date _____
No. _____ Description _____

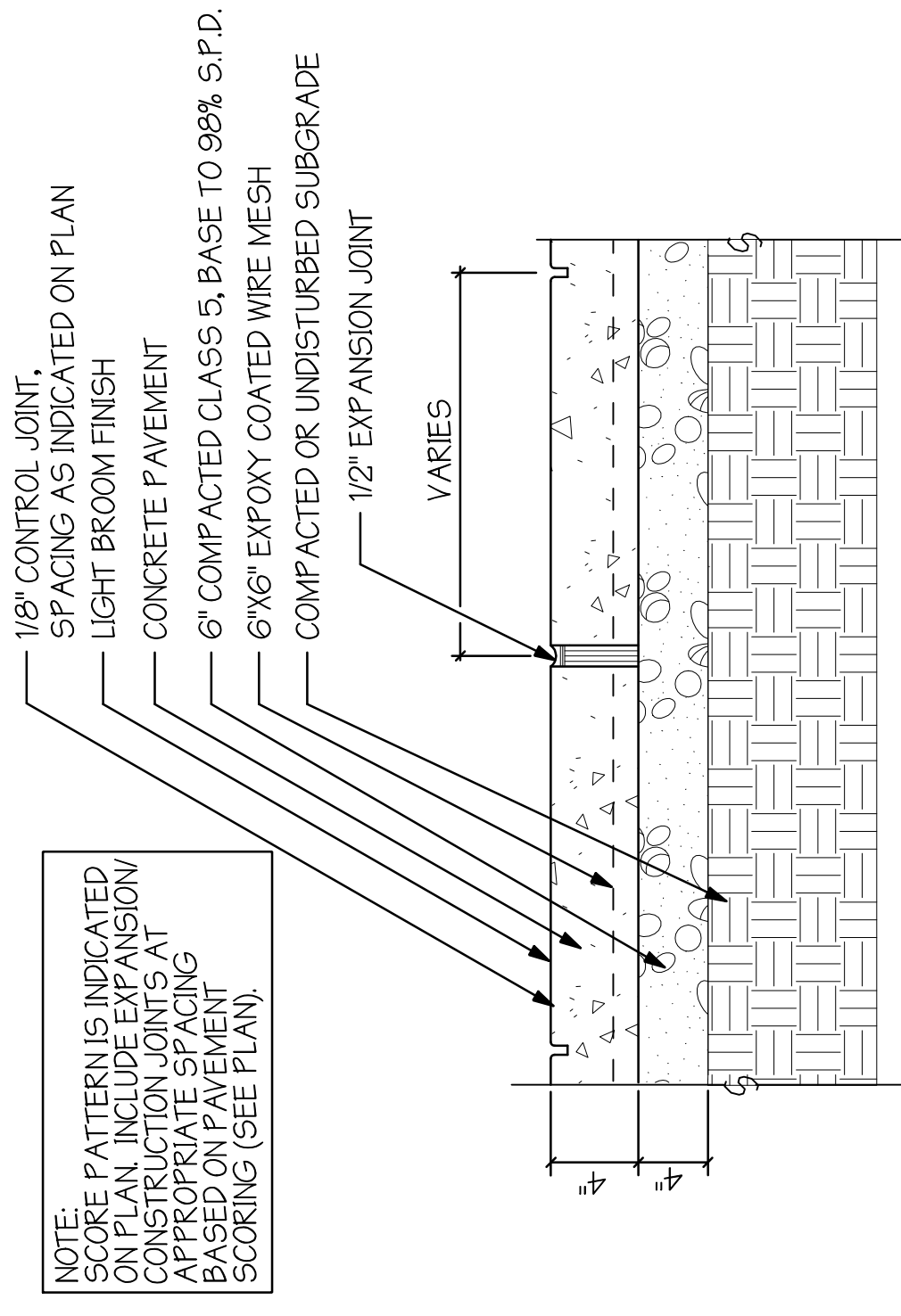
CITY REVIEW SET 8-14-2007
- NOT FOR CONSTRUCTION



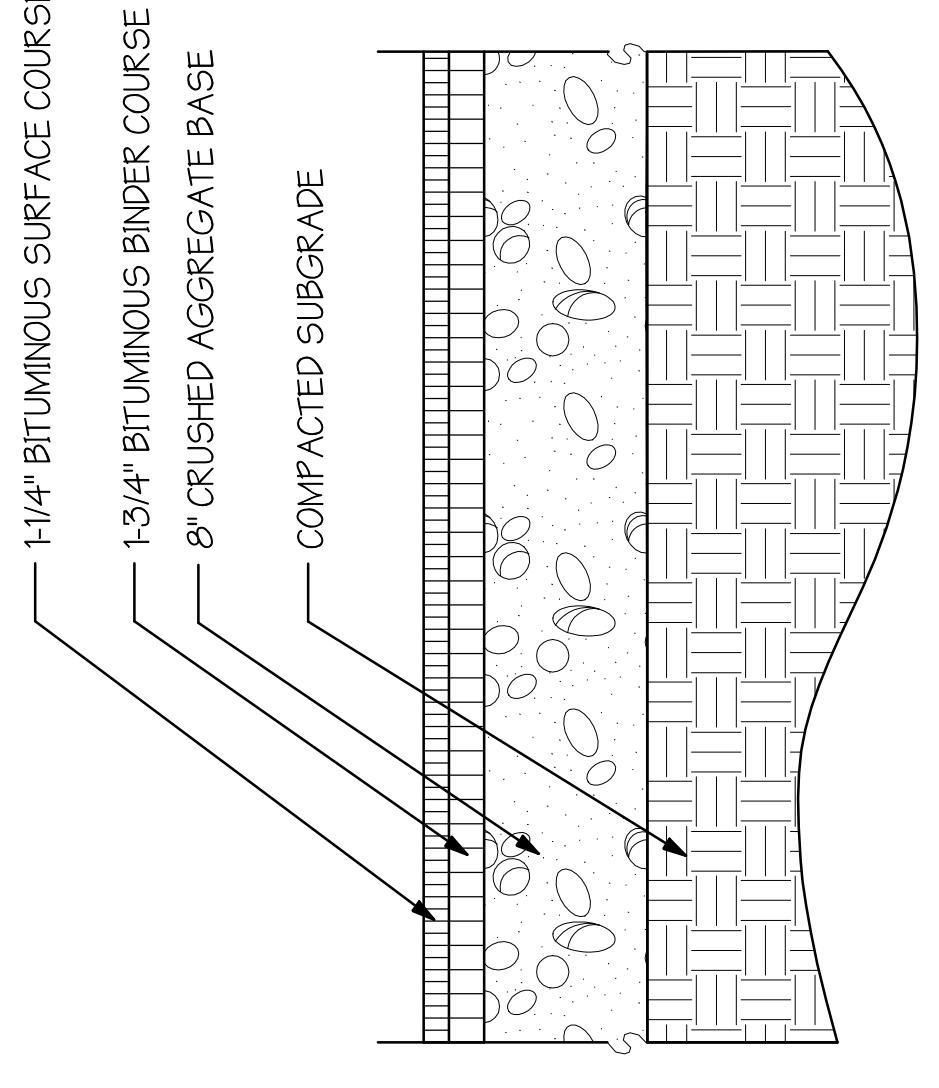
3 CONCRETE WALL DETAIL NOT TO SCALE



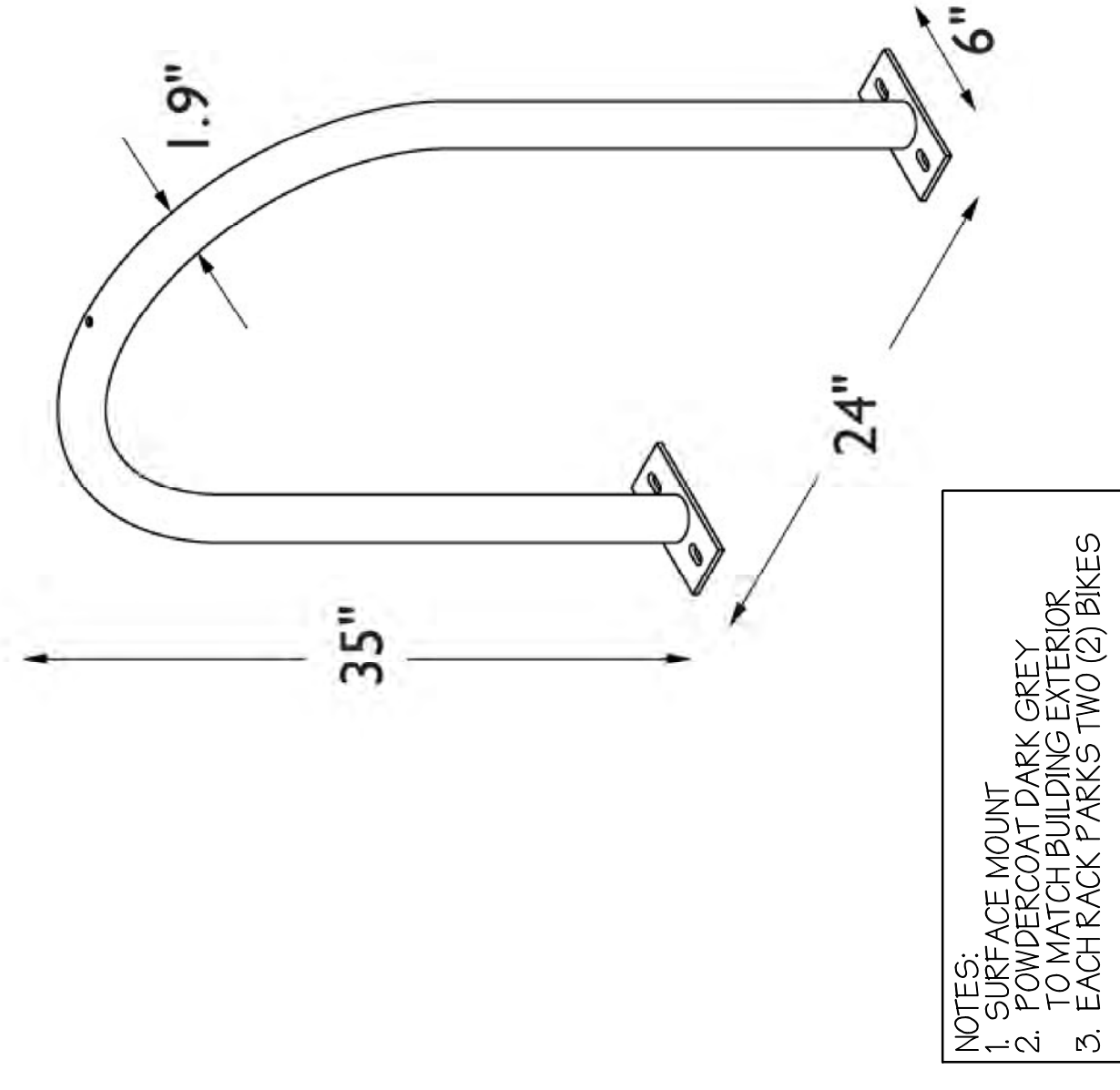
4 JAMB GUARD BOLLARD DETAIL NOT TO SCALE



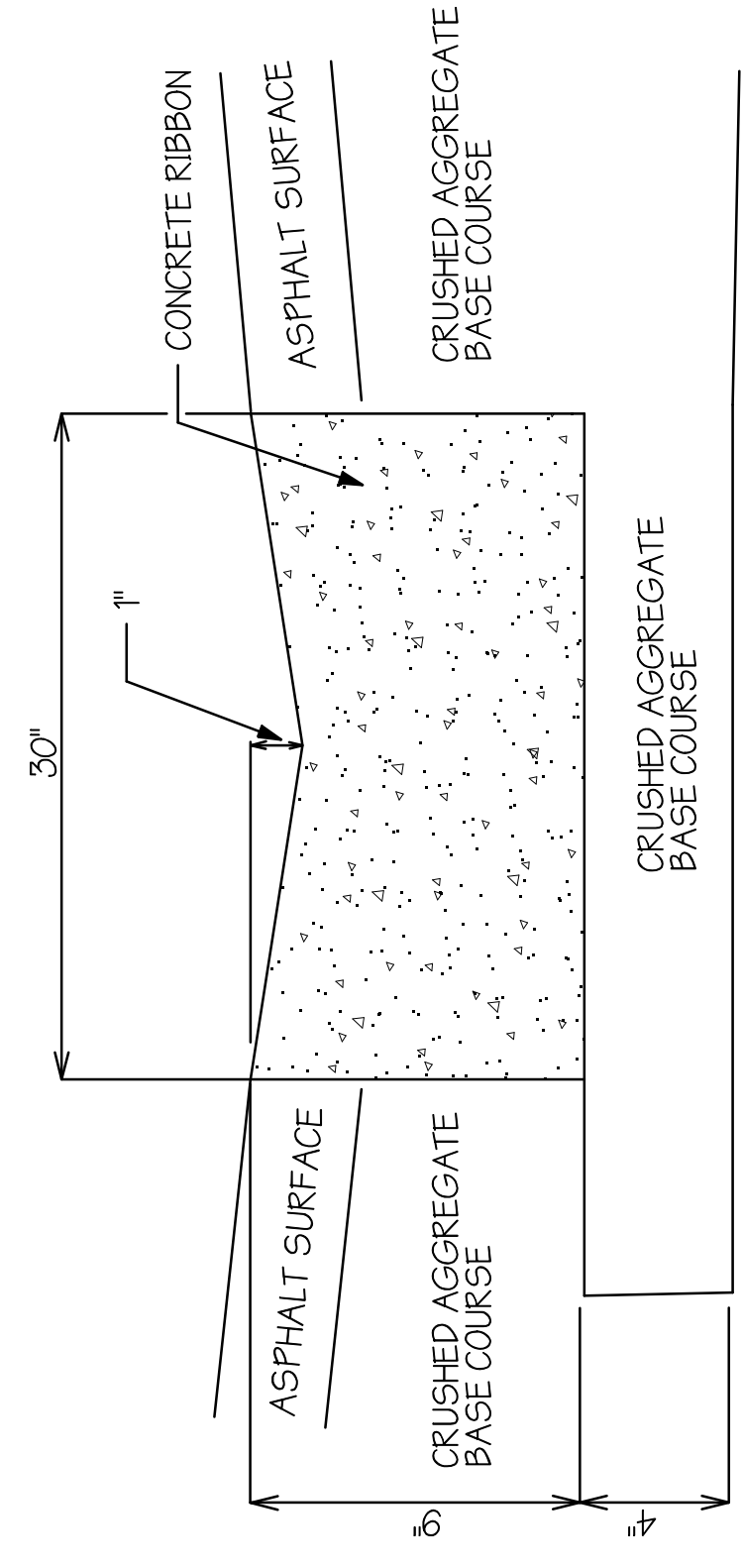
1 CONCRETE WALK AND JOINTS DETAIL NOT TO SCALE



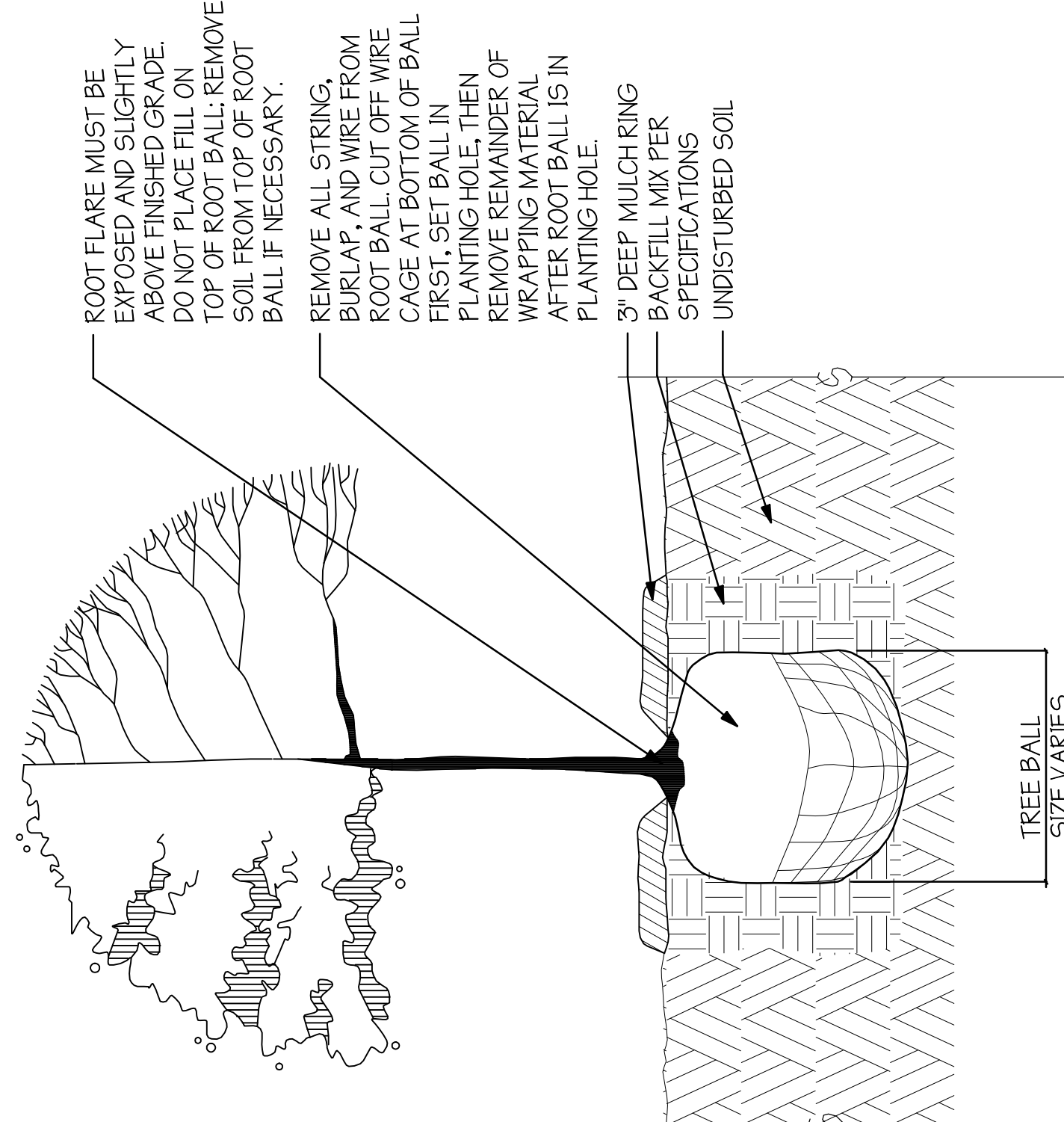
2 ASPHALT PAVEMENT DETAIL NOT TO SCALE



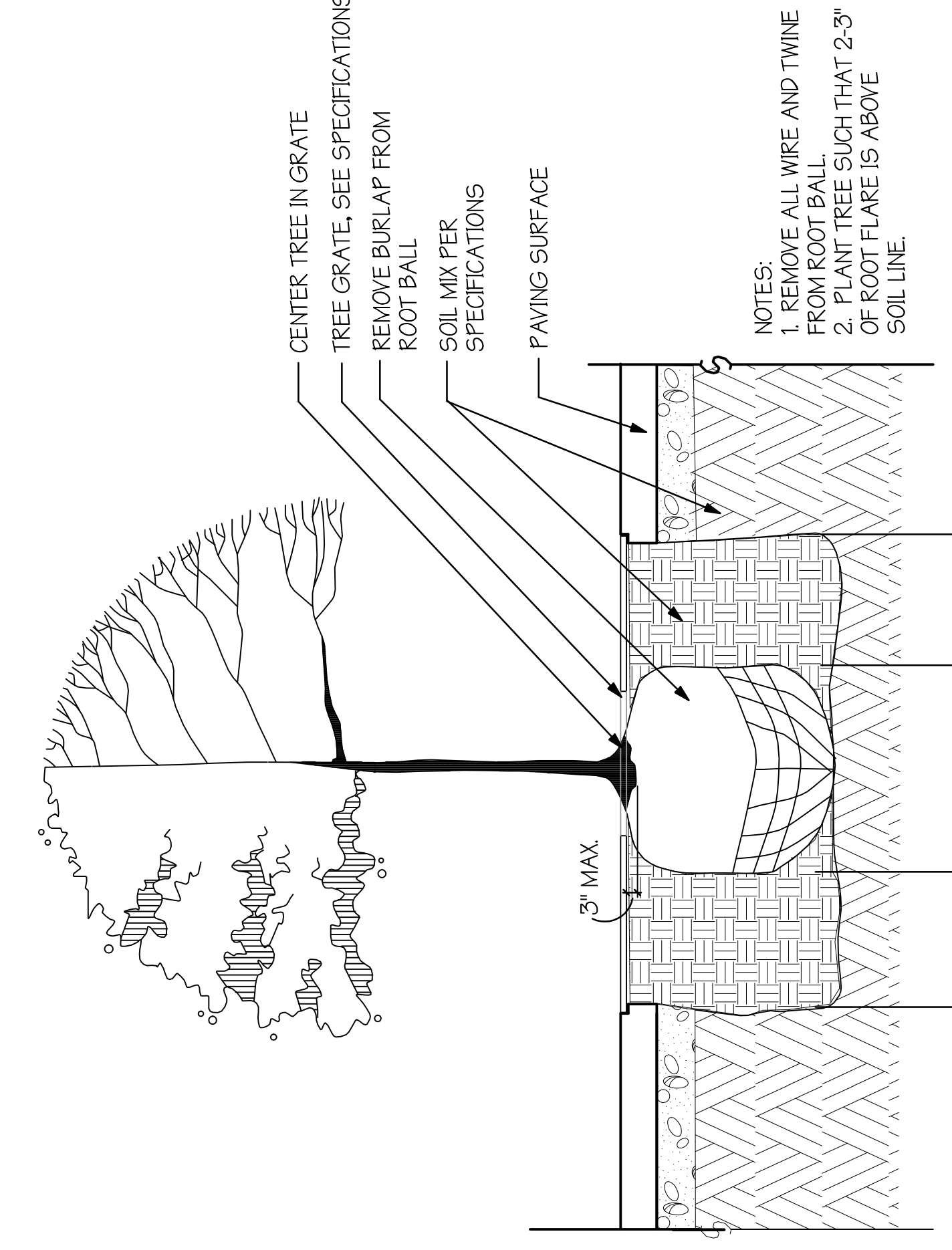
5 BICYCLE RACKS DETAIL NOT TO SCALE



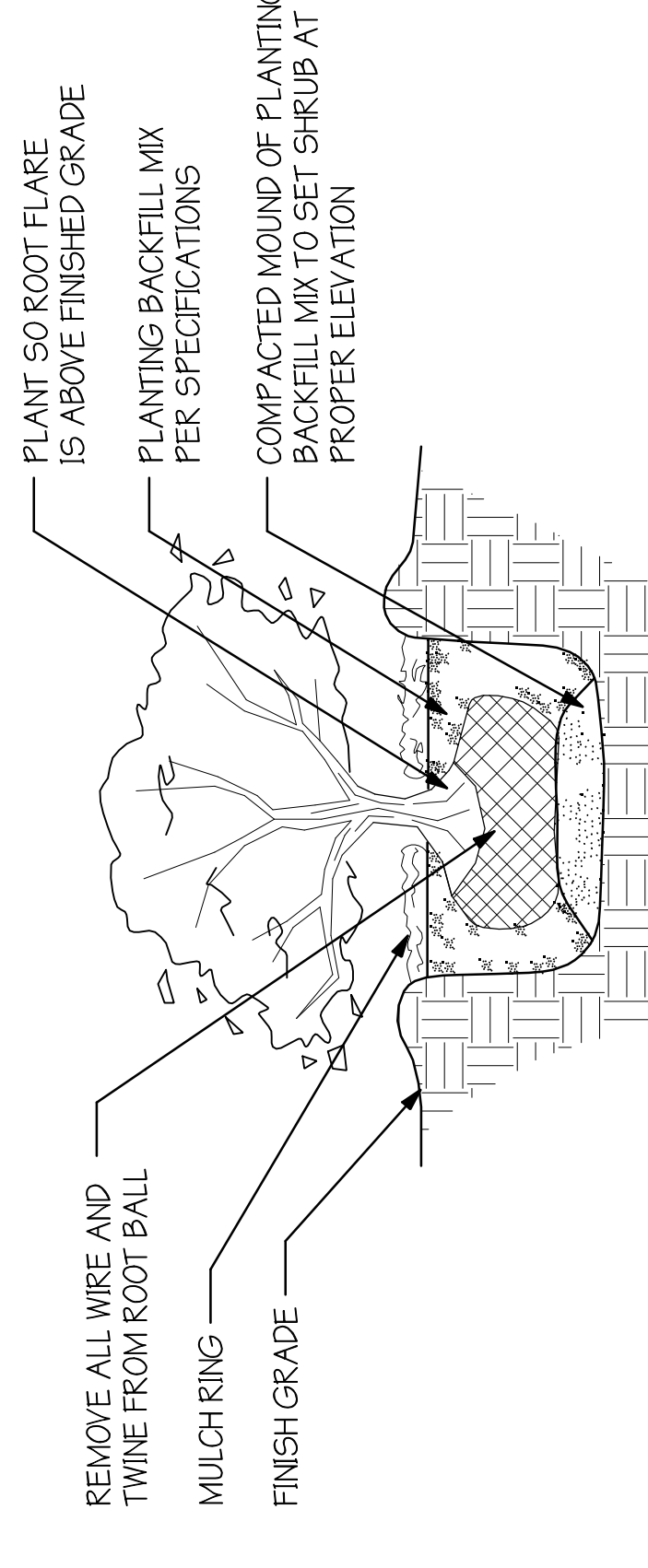
5 CONCRETE RIBBON DETAIL NOT TO SCALE



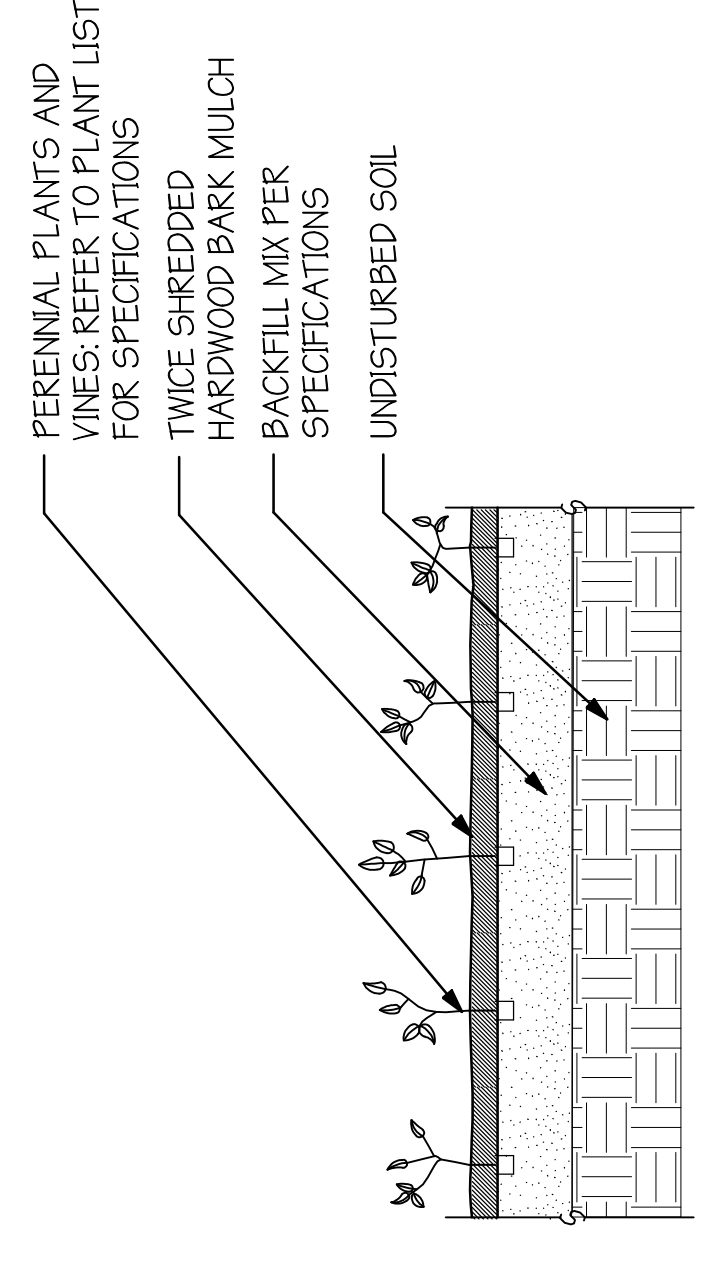
7 TREE PLANTING DETAIL NOT TO SCALE



8 TREE PLANTING IN GRATE DETAIL NOT TO SCALE



9 SHRUB PLANTING DETAIL NOT TO SCALE



10 PERENNIAL PLANTING DETAIL NOT TO SCALE

Site Details

Drawn by: RLF
Checked by: XXX
File: 2007-015_dsd_base.dgn

C103



Engberg Anderson Design Partnership, Inc.
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AEI Affiliated Engineers
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5802 Research Park Boulevard
Madison, Wisconsin 53719
Tel 608.238.2616 Fax 608.238.2614

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Project No 071690

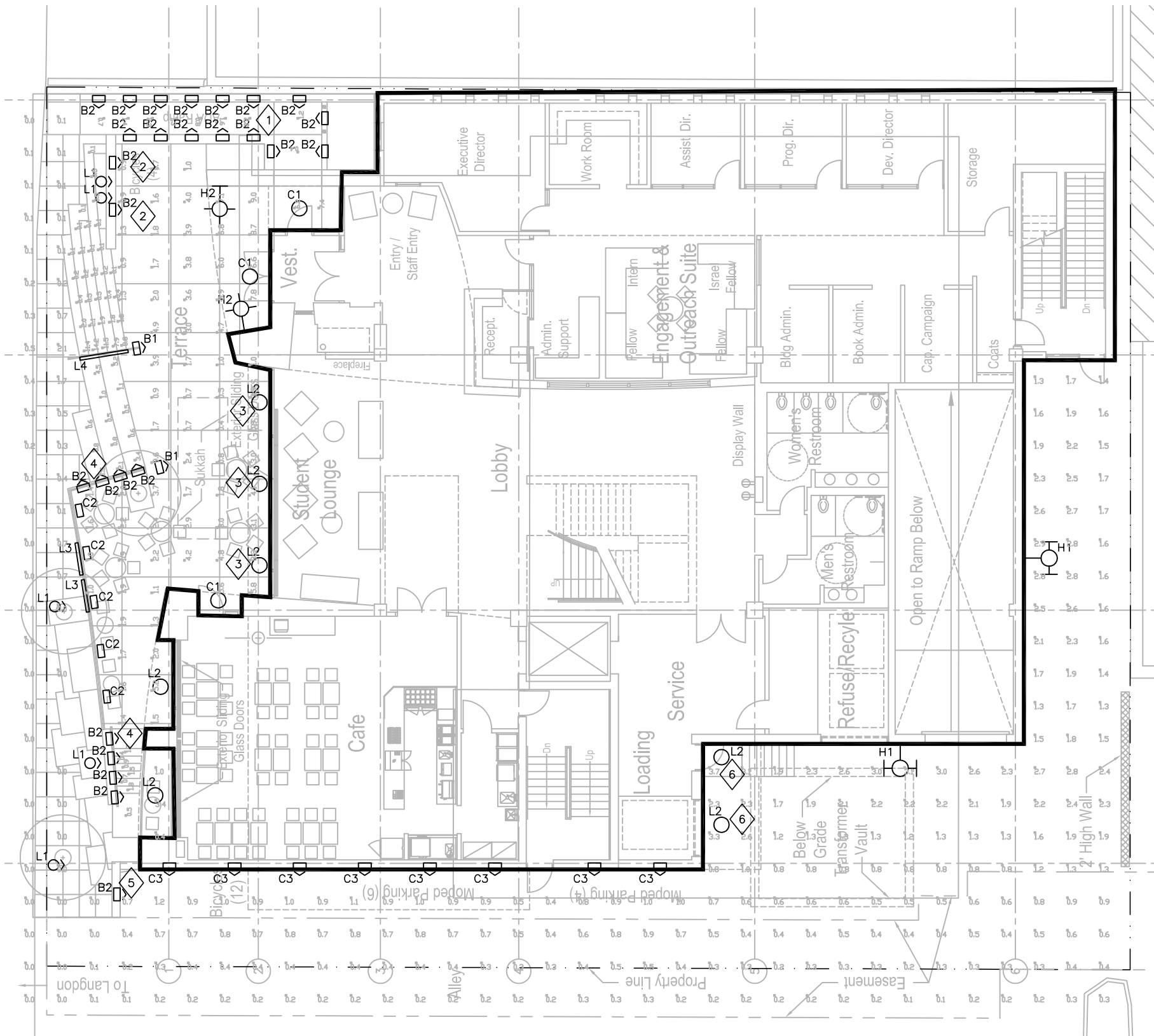
Issued For:
No. Description Date

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

Drawn by AEI
Checked By AEI
File E101.dwg

**Electrical Site
Lighting Plan**

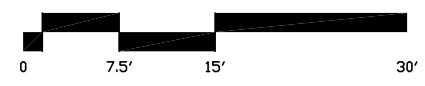
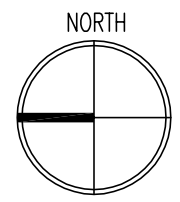
E101



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 Electrical Site Lighting Plan
E101 SCALE: 1"=15'





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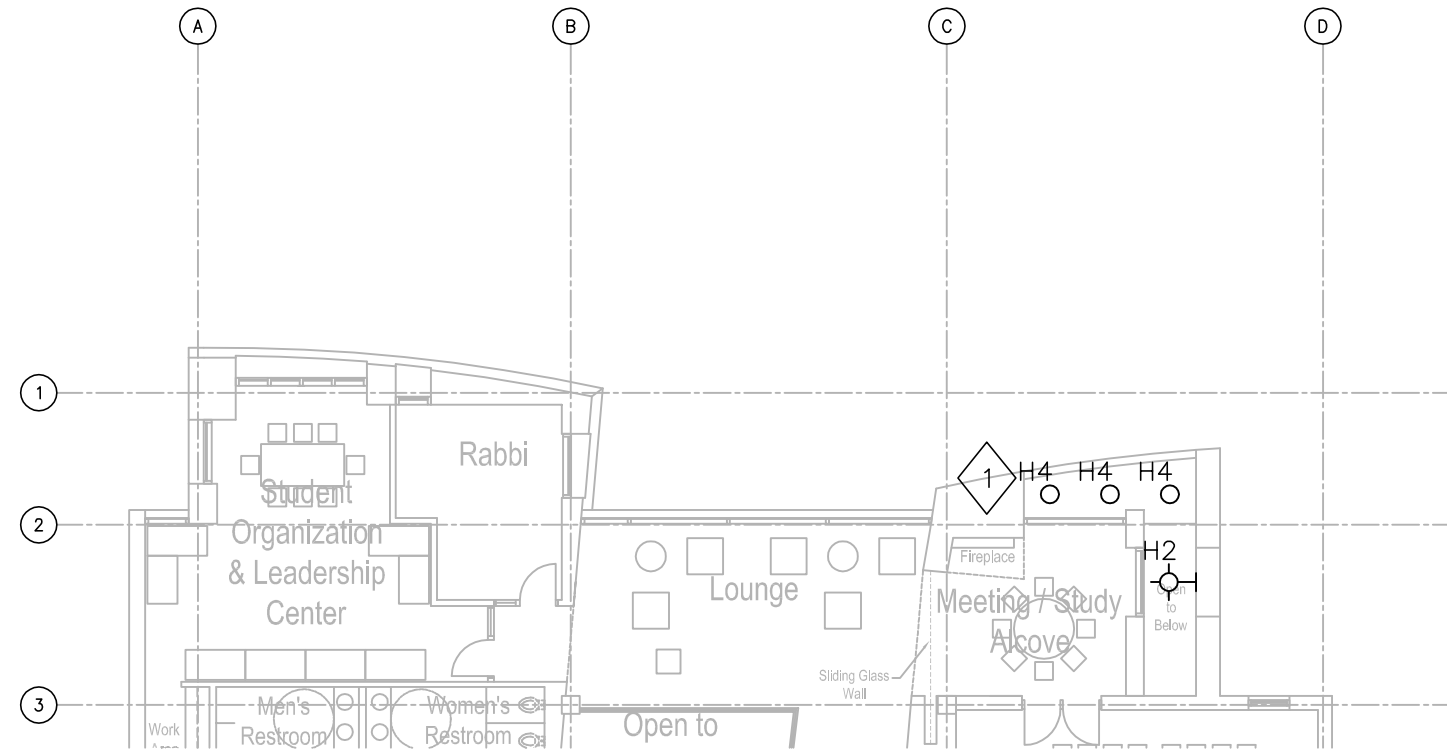
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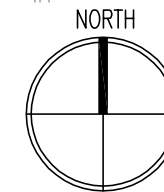
No. Description Date



SHEET KEYNOTES:

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

1 Second Floor Entry Lighting Plan
EL202 SCALE: 1/16"=1'-0"



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

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Drawn by AEI
Checked By AEI
File EL202.dwg

**Second Floor
Entry Lighting Plan
& Luminaire Schedule**

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



EL202



Engberg Anderson Design Partnership, Inc.
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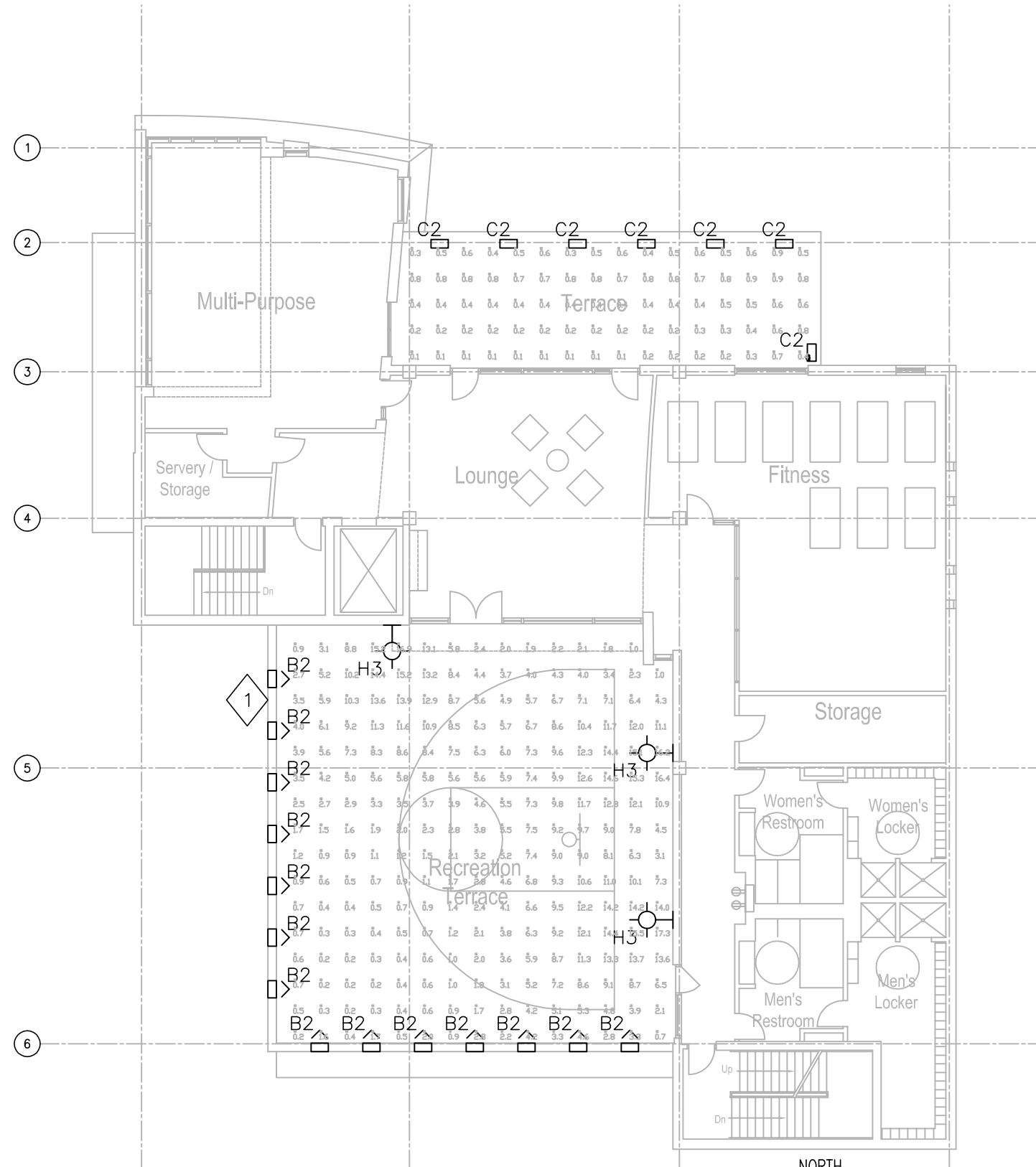
MADISON, WISCONSIN
Owner
University of Wisconsin - Hillel
611 Langdon Street
Madison, WI 53703

Project No 071690

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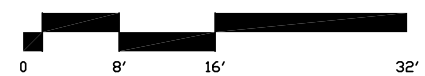
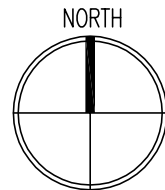
SHEET KEYNOTES:

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



**CITY REVIEW SET 8-14-2007
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1 Fourth Floor Electrical Lighting Plan
EL203 SCALE: 1/16"=1'-0"

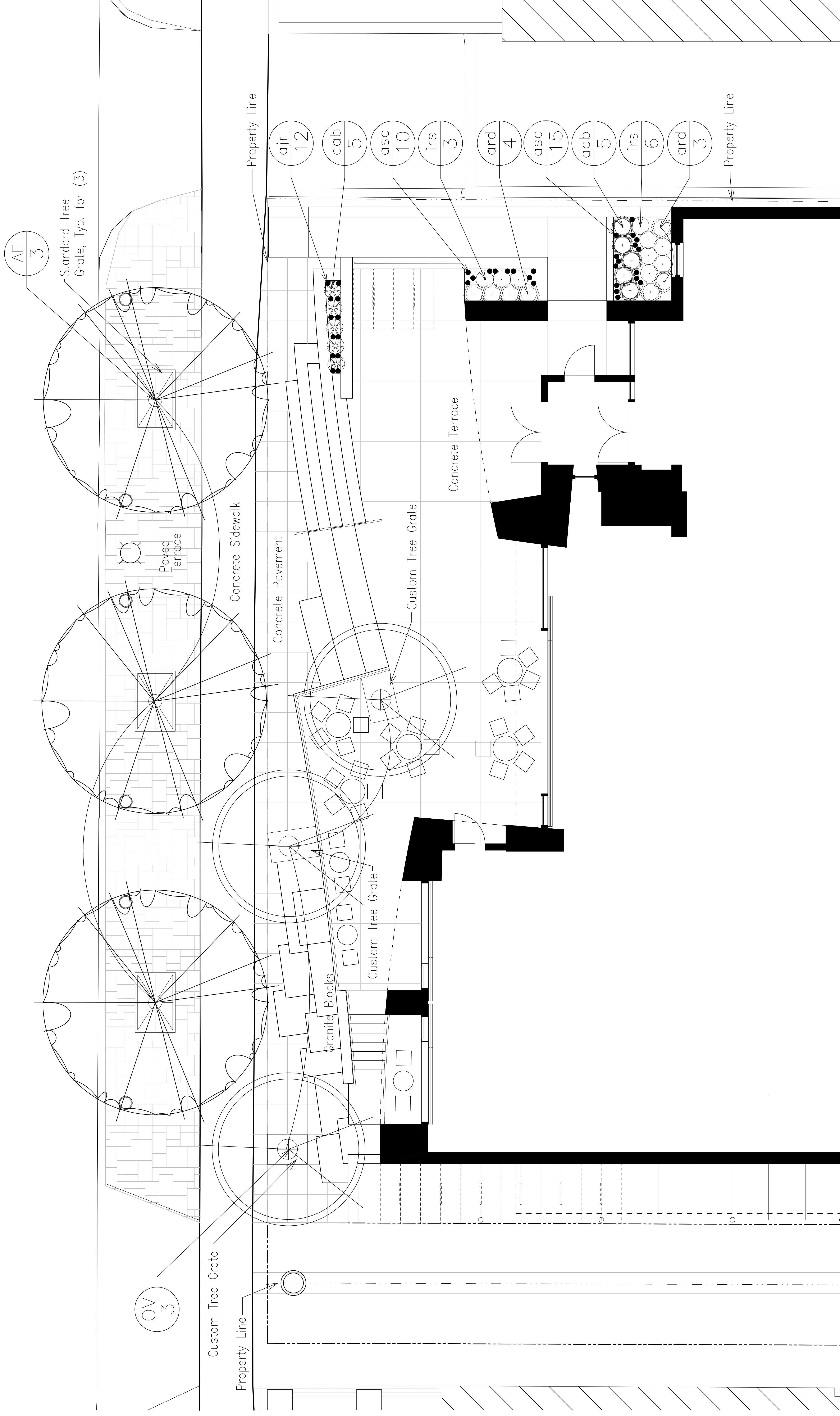


Fourth Floor
Electrical
Lighting Plan

Drawn by AEI
Checked By AEI
File EL203.dwg

EL203

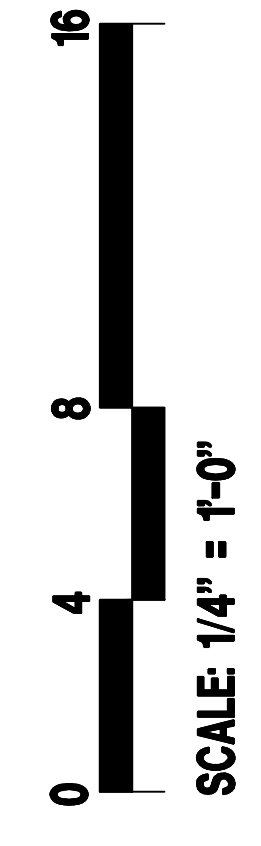
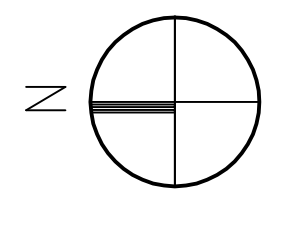
LANGDON STREET



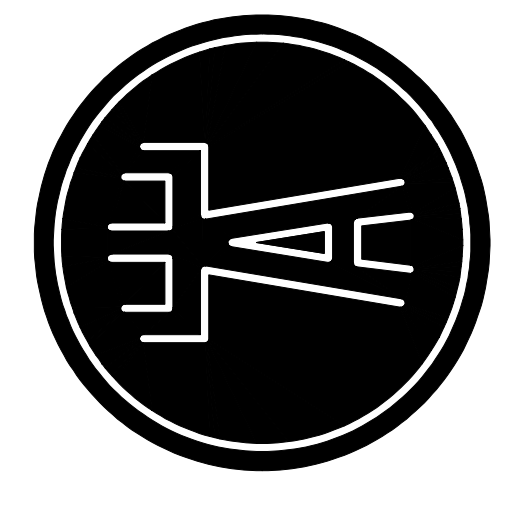
Plant List Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
Deciduous Trees						
AF	<i>Acer x freemanii</i> 'Armstrong'	Armstrong Freeman Maple	3	2.5" Cal.	B&B	Pending approval of City Forestry Department
OV	<i>Ostrya virginiana</i>	Eastern Hop Hornbeam	3	2" Cal.	B&B	Single, straight leader,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

NOTES:

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



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Madison, WI 53703
Project No. 071690

Issued For: _____ Date: _____
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Landscape Plan

L100

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



Drive over luminaires for special applications

Outer housing: Constructed of high tensile strength, copper free die cast aluminum alloy.

Inner housing: Constructed of copper free die cast aluminum alloy, 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).

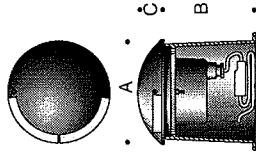
Finish: Standard finish is an eight step process consisting of two coats of gray high solids, UV stabilized polyurethane, one with light texture over a phosphate base. Custom colors are not available.

U.L. listed, suitable for wet locations and vehicle drive over.

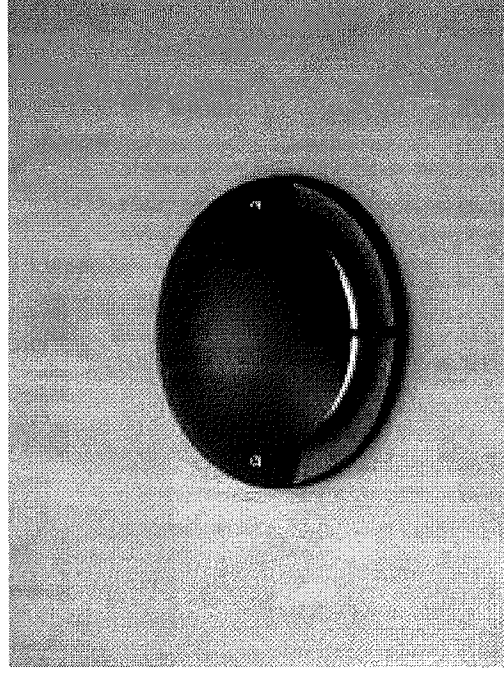
Protection class: IP 67.

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.

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

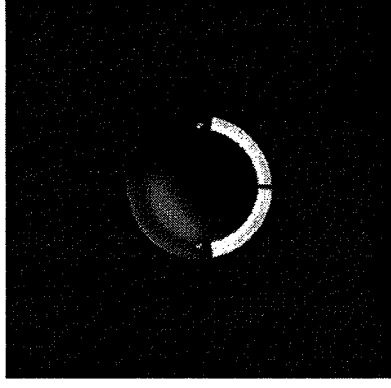


High strength aluminum alloy, stainless steel, and bronze construction. Optical lens made from clear borosilicate glass. U.L. listed, suitable for wet locations. IP 67. Finish: Gray.



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

137



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
[LAMP CAT] (1) 39W T4 G8_5 MH

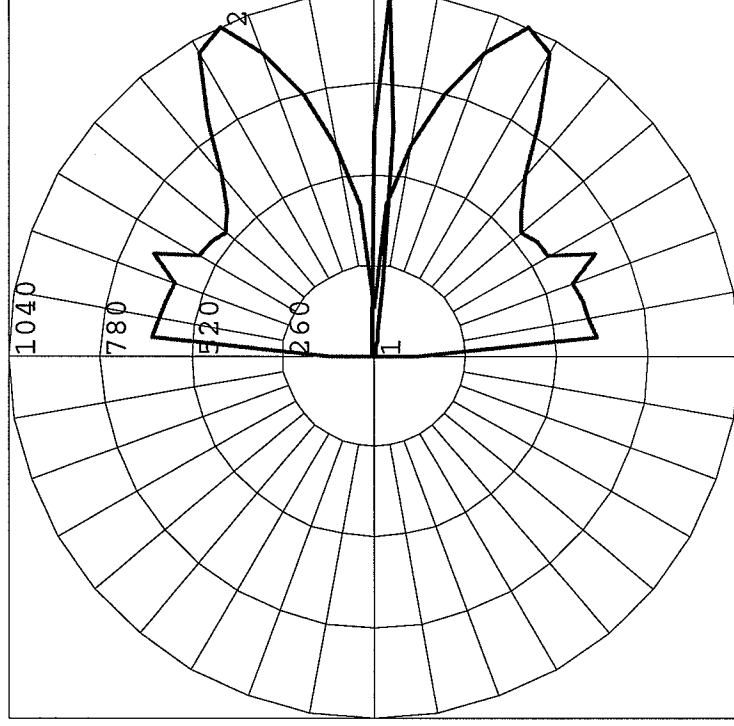
Maximum Candela = 1040.48998496532 at 25 H 87.5 V

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: **BZ**
BEGA Product #:

Project:
Voltage:
Color:
Options:
Modified:

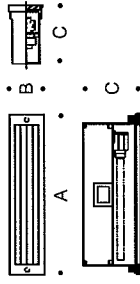
Housing: Constructed of die cast and extruded aluminum with integral wiring compartment. Mounting tabs provided.

Enclosure: One piece die cast aluminum faceplate, 1/8" 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.

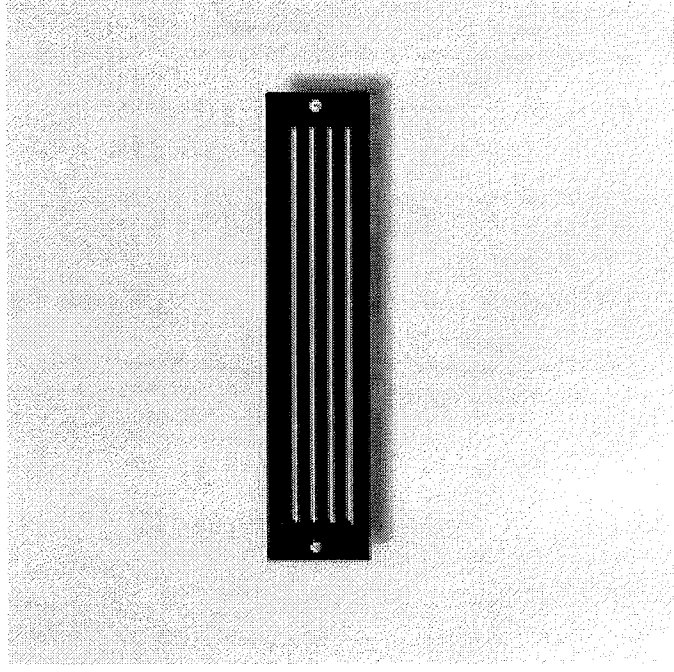
Through Wiring: All units are suitable for a maximum of four (4) No. 12 AWG conductors (plus ground) suitable for 75°C. Two 7/8" knockouts provided for 1/2" conduit.

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



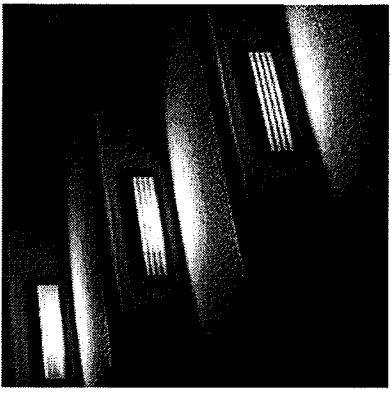
Recessed luminaires with die cast aluminum louvers and etched tempered diffusers. 2283 has integral electronic transformer and includes 1142 lamp.

U.L. listed, suitable for wet locations. IP 64.
Color: Standard BEGA finishes.
Opening: 5^{27/32}" x 2^{7/16}" x 4"



2283	w/Transformer	ADA	1 18W S8,12V	Lumen	A	B	C
				264	6	2 ^{9/16}	4 ^{1/4}

BZ



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

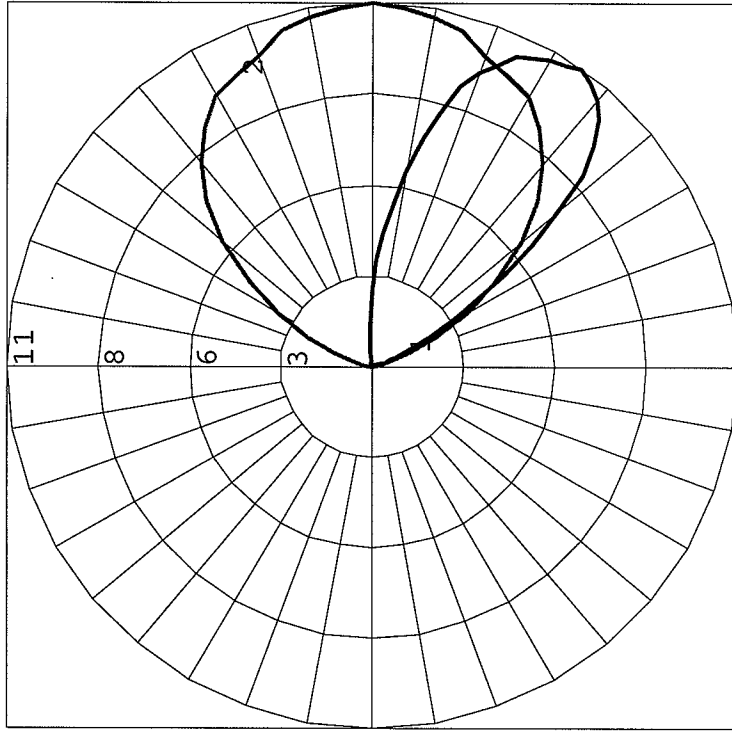
Classification:

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

Polar Candela Curves:

Vertical Plane Through:
1) 0 - 180 Horizontal

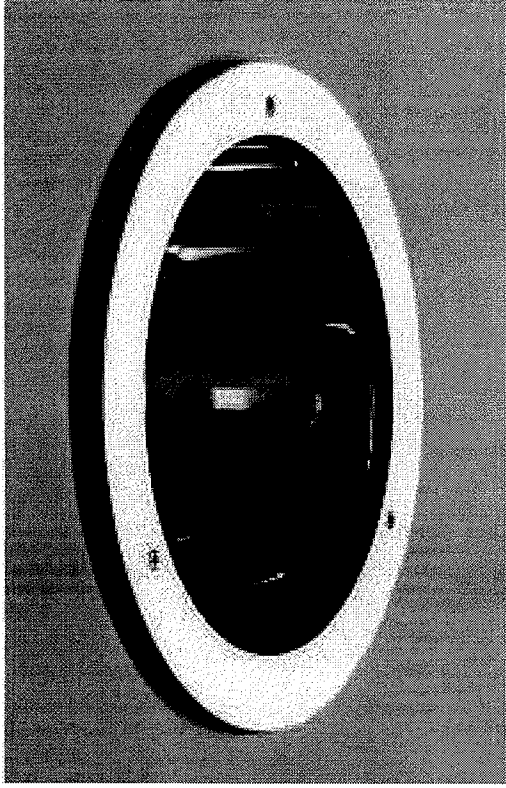
Horizontal Cone Through:
2) 55 Vertical



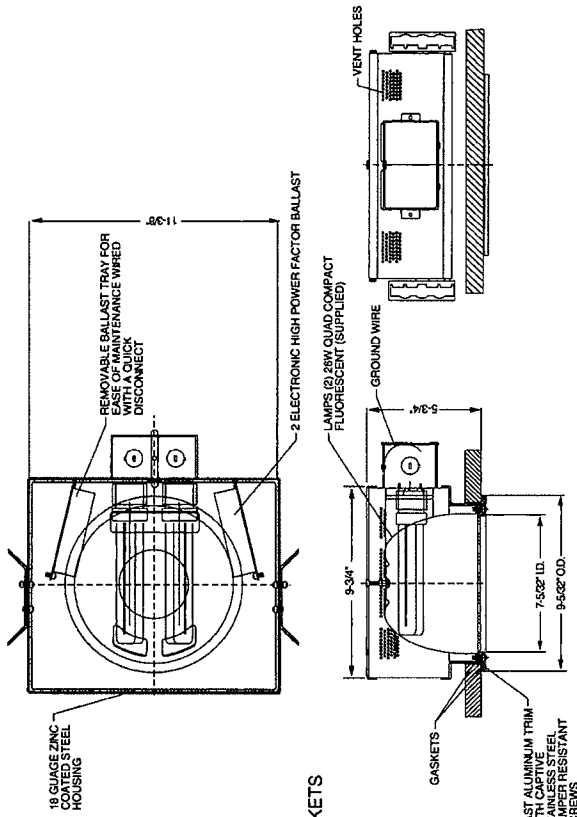
C1

RDL/RHL

design: richard klapper



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



DRAWING SHOWS BODY STYLE FULLY RECESSED WITH HANGER BAR BRACKETS

ORDERING CHART

SERIES	Lamp	Wattage	Body	Ring Finish	Grill	Ballast	Lens	Options
	X	XX	X	XX	X	X	X	XX
DOWNLIGHTS	8 - Fluorescent	FOR RDL/RWL	4 - Fully Recessed with Hanger Bar Brackets	00 - Semi Gloss Black	0 - None	C - 120V/277V Elect.	C - Clear	D - None
RDL	9 - HID (RHL only)	J3-2x13W QUAD 2700K	V - Fully Recessed for Concrete Pour	01 - Semi Gloss White		2-347V Elect.	X - Opal	1 - Emergency Ballast
RHL		J1-2x13W QUAD 3500K		02 - Black Suede		9-120V HPF	P - Clear Prismatic	3 - 2 Circuit Wiring
WALL WASH		G7-2x18W QUAD 2700K		03 - Grey		MAG	T - Tempered Glass	8 - Non Std. Screws
RWL		G8-2x18W QUAD 3500K		04 - Bronze		A-277V HPF	F - Linear Prism Overlay	A - DC Bayonet Socket (HID only)
RWH		G2-2x26W QUAD 2700K		05 - Hammered Bronze		MAG		D - Black Oxide Screws (HID only)
		E8-2x26W QUAD 3500K		07 - Hammered Copper				F - Quartz Restrike (HID only)
		H2-1x32W TRIPLE 2700K		10 - Matte Silver				S - Spanner Head Screws
		H3-1x32W TRIPLE 3500K		11 - Granite				
		FOR RHL/RWH		47 - Weathered Bronze				
		H4-1x42W TRIPLE 4 PIN 27K		48 - Weathered Moss				
		H5-1x42W TRIPLE 4 PIN 35K		49 - Good Earth				
		10-2x32W TRIPLE 4 PIN 27K		61 - Onyx				
		J8-2x32W TRIPLE 4 PIN 35K		80 - Weathered Copper				
		L3-70W MH ED17 MED CLEAR		81 - Weathered Iron				
		B4-70W MH ED17 MED COATED		82 - Hammered Gunmetal				
		L5-70W HPS ED17 MED CLEAR		83 - Metallic Silver				
		B6-70W HPS ED17 MED COATED		84 - Aluminum				
				85 - Terracotta				
				86 - Metallic Gold				
				87 - Chrome				
				88 - Quick Silver				
				89 - Zinc Grey				
				0M - BLK Marine Finish				
				1M - WH Marine Finish				
				1B - Hand Painted				
				1C - Weathered Bronze				
				1H - Hand Painted				
				1K - Weathered Copper				
				99 - Custom				

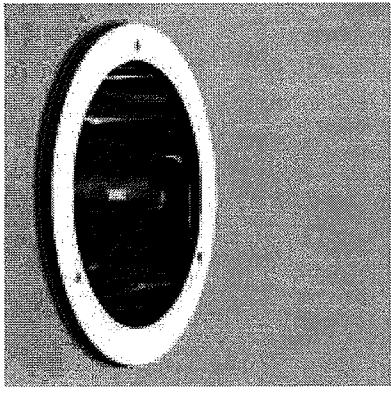
To order choose one number from each column and two numbers from options column. Use 00 for options to signify none required.

NOTE:
HID is available in T only

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

designpdan
79 Trenton Avenue
Trenton, NJ 08625
Tel: (609) 996-7710
Fax: (609) 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 F
[LAMP] ONE SYLVANIA 42 WATT TRIPLE 4 PIN COMPACT FLUORESCENT_ LUMENS=3200
[BALLAST] ONE ENERGY SAVINGS ES-1-CFH-42_32_26-UNV-C

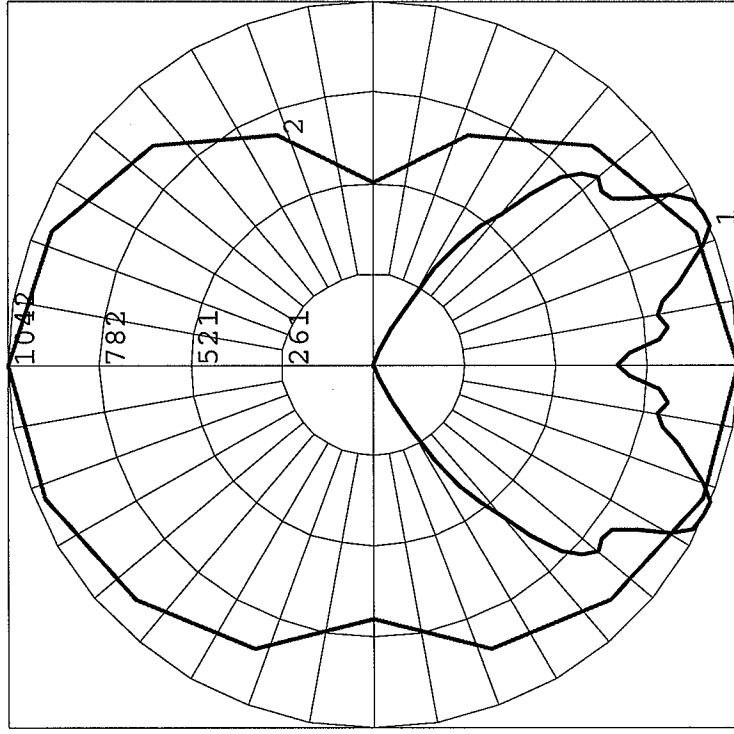
Maximum Candela = 1042 at 90 H 22.5 V

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

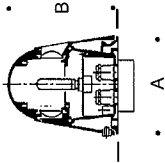
Housing: Constructed of one piece copper free die cast aluminum alloy, removable for relamping, secured together with stainless steel screws which provide a pressure seal to gasket and glass.

Enclosure: Single "port" with etched borosilicate lens. Molded, one piece, high temperature silicone rubber gasket.

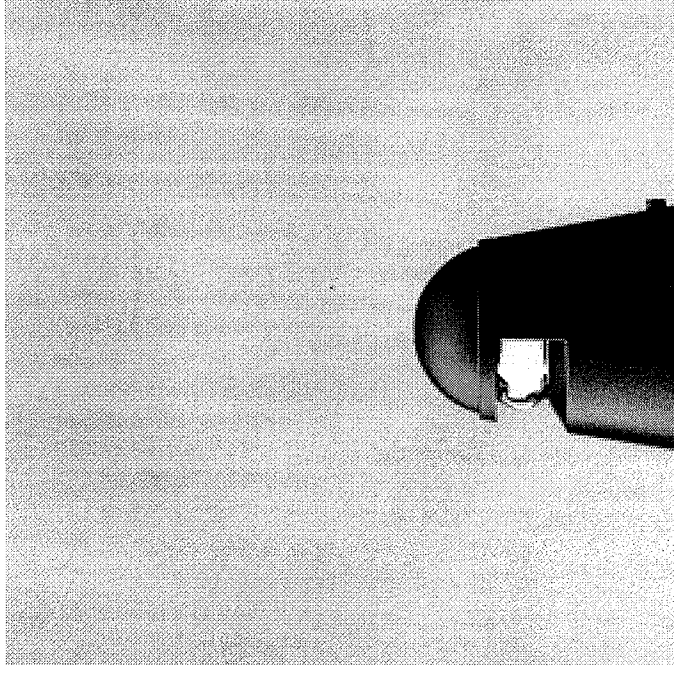
Electrical: Fluorescent lampholder are type G24q-3. Fluorescent ballasts are electronic - universal voltage 120V through 227V. A separate waterproof wiring box for power supply must be provided below luminaire (by contractor) in addition to the anchorage.

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

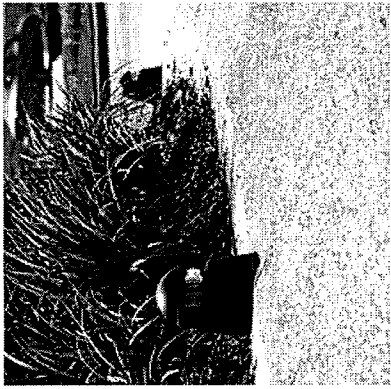


Low level ground illuminators utilizing highly efficient fluorescent sources. U.L. listed, suitable for wet locations. IP 67.
Color: Standard BEGA finishes.



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

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

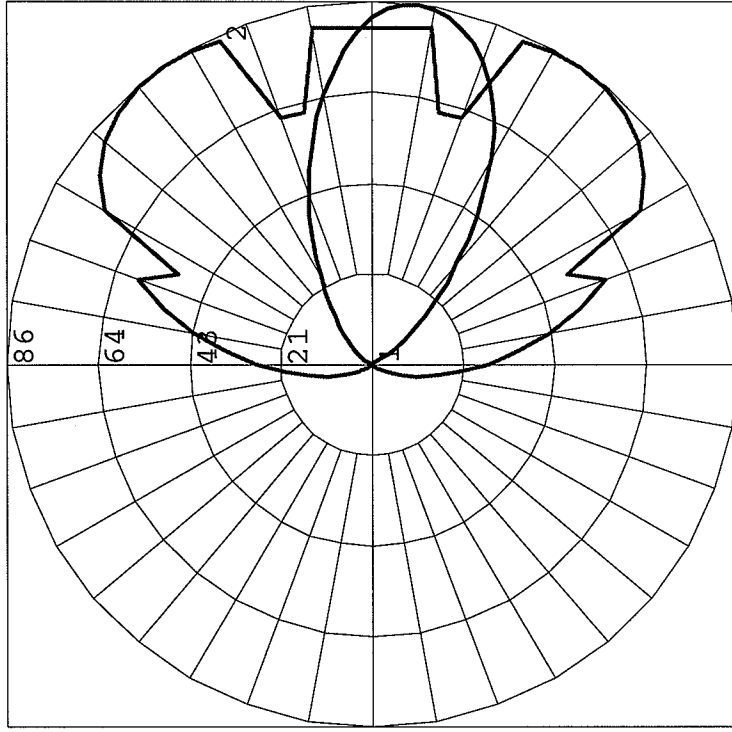
Maximum Candela = 85.5359977340698 at 35 H 82.5 V

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



LUMENTON

5461 West Jefferson Blvd
Los Angeles, CA 90016

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



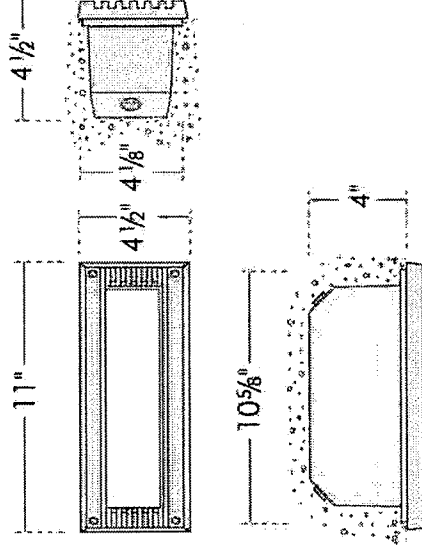
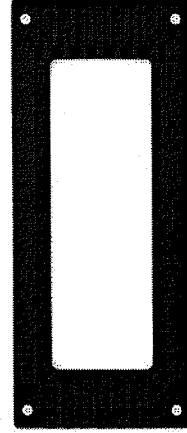
Project :

Date :

Type :

Approval :

Product # : SL700/



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.

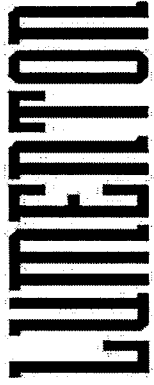
Listing: UL / ETL Listed, suitable for wet locations and for all types of constructions including poured concrete. ADA compliant and suitable for installation within 4 feet of ground.

Specifications Subject to change without notice

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



C3



Project :

Date :

Type :

Approval :

Product # : SL700/

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		
<i>Compact Fluorescent</i>						
9W PL	600	G23	2 Pin	9W	PL9	B
13W PL	900	G24q-1/	4 Pin	13W	PL13	N
18W PL	1200	G24q-2/	4 Pin	18W	PL18	W
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	
<i>Incandescent</i>						
INC60	740	MED	T10 60W Max.		INC60	

CS

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

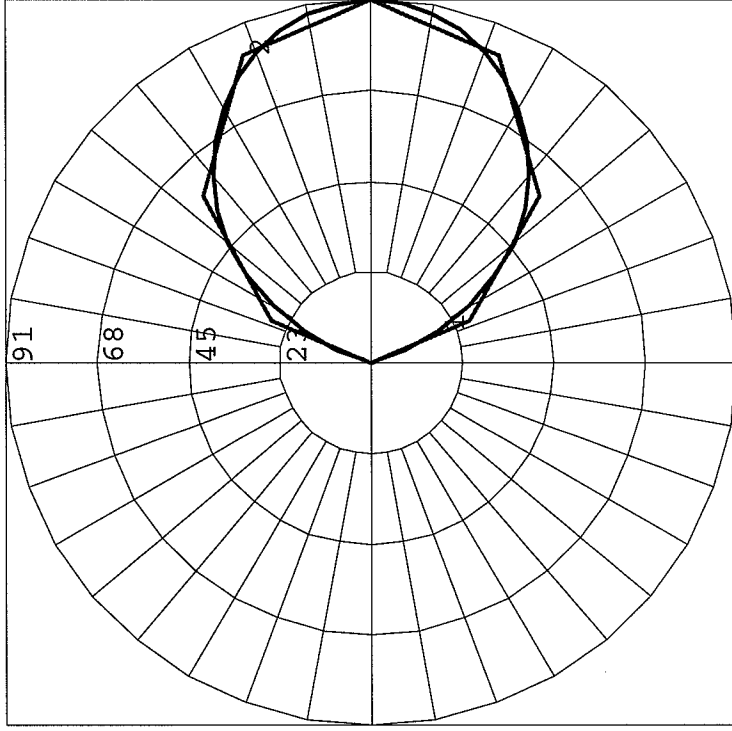
Polar Candela Curves:

Vertical Plane Through:

1) 0 - 180 Horizontal

Horizontal Cone Through:

2) 90 Vertical



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 4-13

1 Fixture:
Cat. No. designates WD14 fixture, lamp (L) or Down (D) configuration, and light distribution (2, 3, 4, G, or S).

UP 14'	Cat. No.:	WD14U2	WD14U3	WD14U4	WD14UG	WD14US
DOWN 14'	Cat. No.:	WD14D2	WD14D3	WD14D4	WD14DG	WD14DS

2 Electrical Module:

Pulse Start	50PMH120	125PMH120	175MH120	175MH120	70HP120	50PF120	42PL120	55IF120	55IF120	55IF120
Metal Halide	50PMH208	125PMH208	175MH208	175MH208	70HP208	50PF208	42PL208	55IF208	55IF208	55IF208
Metal Halide	50PMH240	125PMH240	175MH240	175MH240	70HP240	50PF240	42PL240	55IF240	55IF240	55IF240
High Pressure Sodium	50PMH277	125PMH277	175MH277	175MH277	70HP277	50PF277	42PL277	55IF277	55IF277	55IF277
Induction	50PMH347	125PMH347	175MH347	175MH347	70HP347	50PF347	42PL347	55IF347	55IF347	55IF347
Induction	50PMH480	125PMH480	175MH480	175MH480	70HP480	50PF480	42PL480	55IF480	55IF480	55IF480
Induction	100PMH120	150PMH120	150HP120	100HP120	60PL120	57PL120	57PL120	57PL120	57PL120	57PL120
Induction	100PMH208	150PMH208	100HP208	100HP208	60PL208	57PL208	57PL208	57PL208	57PL208	57PL208
Induction	100PMH240	150PMH240	100HP240	100HP240	60PL240	57PL240	57PL240	57PL240	57PL240	57PL240
Induction	100PMH277	150PMH277	100HP277	100HP277	60PL277	57PL277	57PL277	57PL277	57PL277	57PL277
Induction	100PMH347	150PMH347	100HP347	100HP347	60PL347	57PL347	57PL347	57PL347	57PL347	57PL347
Induction	100PMH480	150PMH480	100HP480	100HP480	60PL480	57PL480	57PL480	57PL480	57PL480	57PL480

PMH = Pulse Start
MH = Metal Halide
HPS = High Pressure Sodium
PF = Compact Fluorescent
T8/T5 Tube
IF = Induction Fluorescent
See lamp and electrical data on pages 16 - 17 for ballast types and characteristics.



Lamp Lamp
Type Type
Vails Vails
MH MH
175 175

3 Finish:
Super TGIC powder coat
paint over titanium zirconium conversion coating.

Color:	Black
Custom Colors	BL-P DB-P LG-P PS-P WH-P CCP
Cat. No.:	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:

Line Volts:
120V A-30 208V A-31 240V A-32 277V A-33 480V A-34 347V A-35

6 Shield:
Optional Houseside

Cat. No.: HS
Combination lower shield and black end-panel for reflector. Factory installed to reflector module. Reduces light forward wall by the following amounts:
Type II Type III Type IV
Approximate light reduction toward wall: WD14 -43% -74% -77%

For fixtures with optional Lexan® SLX Enclosure.
HSC for Lexan SLX Enclosure

7 Optional 5" Shield:

Cat. No.: SDS14
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:

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:

Cat. No.: WG14
For use with all WD14 fixtures, UP or DOWN, 11 ga. (.12" dia.) BB Wire, (.75" sq. welded mesh pattern), 117% x 10 1/4" x 1 1/2" deep. Finish is Super TGIC thermoseal polyester powder coat paint, over zinc plated wireform. Finished to match the fixture.
NOTE: Only available with flat lens applications.

11 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 Conduit Surface Mount:

Cat. No.: SCM14D
For WD14 fixtures, UP 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 3/4" NPT conduit tap in each side, top and bottom. Finished to match the fixture.

13 Back-up:
Optional Battery

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.)

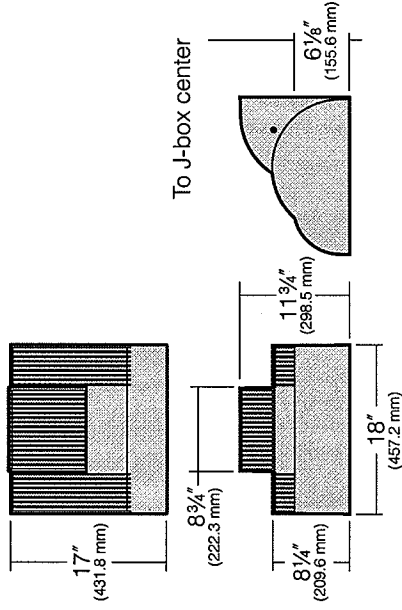
H1

Luminaire Specifications

WD18 and WD14 Models

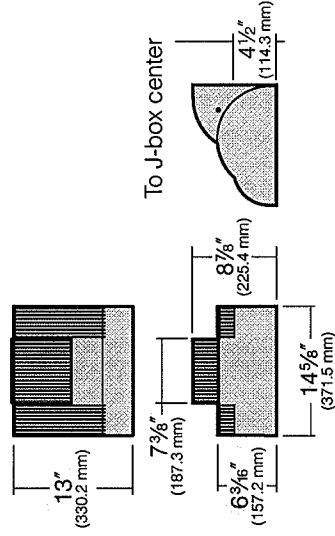
Dimensions

WD18 Model
250 to 400 watt
Mogul Base Lamps



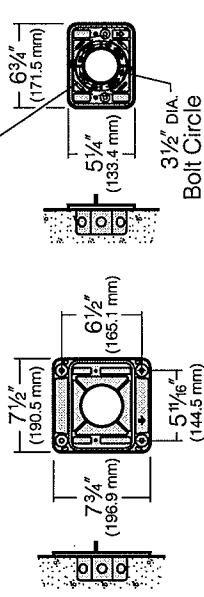
Maximum fixture weight (400HPS) = 43 lbs

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 3/8" 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 lower 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	-
IP66 Rated	CE
	25C Ambient
	ISO 9001:2000

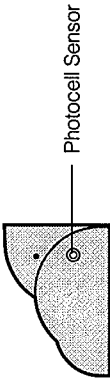
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Option Specifications

See pages 10-13 for complete ordering information

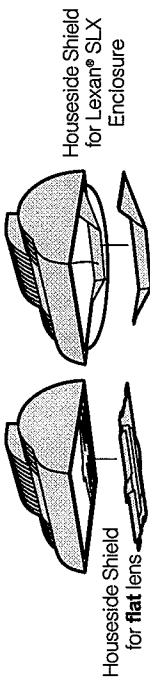
Base Socket (G12): Only available for 70W and 150W Pulse Start Metal Halide lamps.

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



Photocell Sensor

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

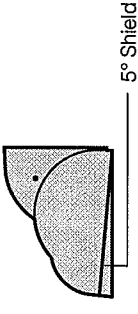


Houseside Shield for flat lens

Houseside Shield for Lexan® SLX Enclosure

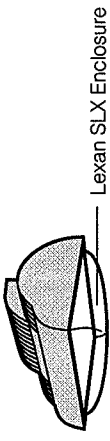
CAUTION: Do not use the Houseside Shield option with the Wall Grazer as it will interfere with the light distribution.

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



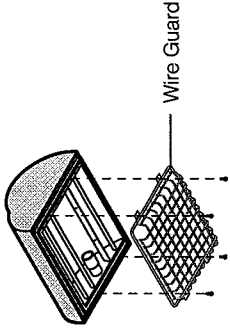
5° Shield

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.



Lexan SLX Enclosure

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.



Wire Guard

NOTE: Only available with flat lens applications.

WG18 = 15" x 14½" x 1½" deep.

WG14 = 11¾" 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.



Single Fuse

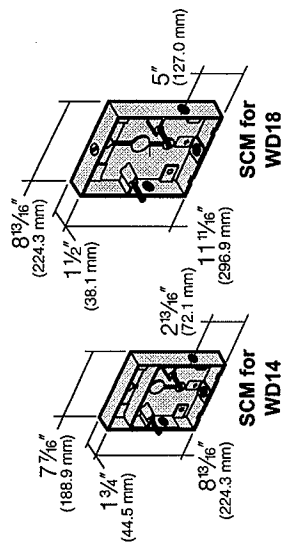
Quartz Standby (QS): Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 100W maximum for WD14, 150W maximum for WD18.



Quartz Standby

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.



SCM for WD14

SCM for WD18

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.)



Emergency Battery Back-up

Lamp and Electrical Guide

Lamp	Lamp Watts	ANSI Ballast Type	Life (hours)	Initial Lumens	Voltage	Operating Amps	Open Circuit	Starting Amps	Max. Amps
70HPs T6 Clear G-12 Base ED-17 Clear Medium Base	6800	S-62	70	4000+	12000+	24000+	6300	12000+	1.45
100HPs ED-17 Clear Medium Base	9500	S-54	100	24000+	24000+	9500	12000+	1.45	
150HPs T6 Clear, G12 Base ED-17 Clear, Medium Base E-18 Clear, Mogul Base	14000	S-55	150	24000+	24000+	16000	12000+	1.45	
250HPs ED-18 Clear Mogul Base	29000	S-50	250	24000+	24000+	29000	24000+	1.45	
400HPs ED-18 Clear Mogul Base	51000	S-51	400	24000+	24000+	51000	24000+	1.45	
175MH ED-17 Clear Medium Base ED-28 Clear Mogul Base	15000	M-57	175	10000+	10000+	15000	10000+	1.45	
250MH BT-28 or ED-18 Clear Mogul Base	23000	M-58	250	10000+	10000+	23000	10000+	1.45	
400MH ED-28 Clear Mogul Base	40000	M-59	400	20000+	20000+	40000	10000+	1.45	
50PMMH ED-17 Clear Medium Base	4000	M-110	50	20000+	20000+	4000	20000+	1.45	
70PMMH ED-17 Clear Medium Base	5900	M-98	70	20000+	20000+	5900	20000+	1.45	
100PMMH ED-17 Clear Medium Base	8800	M-100	100	20000+	20000+	8800	20000+	1.45	
125PMMH ED-17 Clear Medium Base	10000+	M-150	125	10000+	10000+	10000+	10000+	1.45	
150PMMH ED-17 Clear Medium Base	12800	M-142/102	150	20000+	20000+	12800	10000+	1.45	
200PMMH T-15 Clear Mogul Base	19000	M-136	200	15000+	15000+	19000	15000+	1.45	
250PMMH ED-28 Clear Mogul Base	23750	M-138	250	15000+	15000+	23750	15000+	1.45	

PULSE START METAL HALIDE (continued)

Lamp	Lamp Watts	ANSI Ballast Type	Life (hours)	Initial Lumens	Voltage	Operating Amps	Open Circuit	Starting Amps	Max. Amps
300PMMH T-15 Clear Mogul Base	28000	M-151	300	20000+	28000	28000	28000	28000	4.70
320PMMH ED-28 Clear Mogul Base	30000	M-154	320	20000+	30000	30000	30000	30000	4.70
350PMMH ED-28 Clear Mogul Base	33000	M-131	350	20000+	33000	33000	33000	33000	4.70
400PMMH ED-28 Clear Mogul Base	40000	M-135	400	15000+	40000	40000	40000	40000	4.70
42PL Coated GX24-4 Base	3200	-	42	-	12000	3200	3200	3200	0.38
57PL Coated GX24-5 Base	4300	-	57	-	12000	4300	4300	4300	0.38
60PL Coated Z68-1 Base	4000	-	60	-	20000	4000	4000	4000	0.38
70PL Coated GX24-6 Base	5200	-	70	-	12000	5200	5200	5200	0.38
85PL Coated Z68-1 Base	6000	-	85	-	20000	6000	6000	6000	0.38
85IF Induction Lamp	6000	Electronic	85	-	-	6000	6000	6000	0.38

* Multiple CFL lamp configurations (e.g. two 42W lamps) are possible with certain optical systems. Consult factory for details.

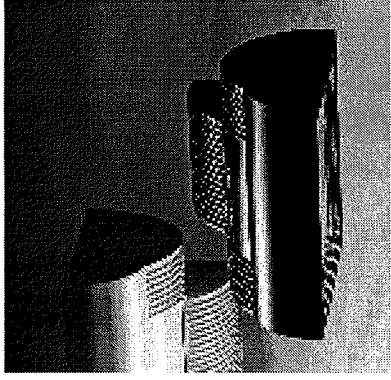
* 85W CFL and/or lamp available for VFD is only. Not recommended for all distribution types.
 * Remote battery pack and test switch available for 57W, 60W, and 70W CFL lamps - consult factory. *EMT* option not available with 85W CFL, 55W IF, or 85W IF lamps.
 * Lamp and electrical data supplied for reference purposes only. All initial lumen values shown may vary from one manufacturer to another. Consult lamp manufacturers' data for exact lumen and life data.
 * 480 volt with medium base lamp sockets may require approval by the local building code authority.
 * 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 preliminary 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 files 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.

14

H7



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 SPEC
[LAMP] 70 WATT CLEAR, MH ED17 MEDIUM BASE LAMP, HORIZONTAL POSITION, RATED AT 5900 INITIAL I

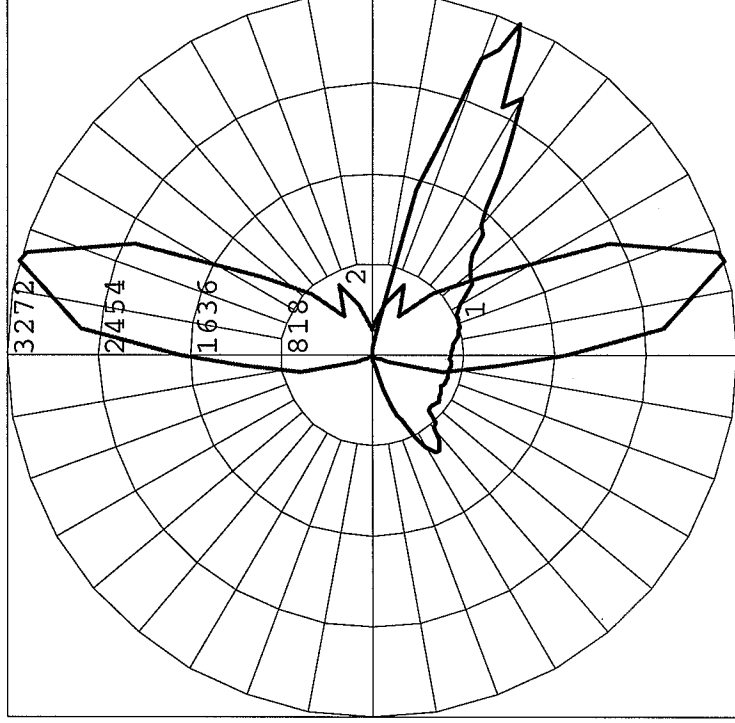
Maximum Candela = 3272 at 75 H 66.1 V

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

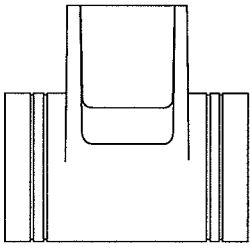


Notes:

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
 O Open 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.)

WATTAGE

Fully Enclosed "E" Units Open Downlight "O" Units
 (N/A with FT Trims)

50MH'	50MH'
70MH	70MH
100MH	100MH
150MH	150MH
50HPS	50HPS
70HPS	70HPS
100HPS	100HPS
150HPS*	150HPS

FT Trims Only

T70MH	MH Metal Halide
T150MH	HPS High Pressure Sodium

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

VOLTAGE

120
208
240
277
347

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.)

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
BGP	Beige Paint
VP	Verde Green Paint
OC	Optional Color Paint Specify RAL designation ex: OC-RAL7024.
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

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A Genlyte Company

Gardco Lighting
 1611 Clovis Barker Road
 San Marcos, TX 78666

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



79115-112/0607

CYLINDERS

301 LINE UP/DOWN

AZ

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 upright and downlight components both utilize twin (four total per luminaire) spun specular Alzak reflectors which provide the symmetrical distributions. The upright-obscuring lens (301) is flush mounted and the downlight-obscuring lens is recessed. The lenses soften the distribution and conceal the optical system and internal hardware. 301D luminaires provide downlight only with the upright 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 upright 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 upright 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 upright 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 upright 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 upright glow. 301D luminaires provide downlight only with the upright 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:

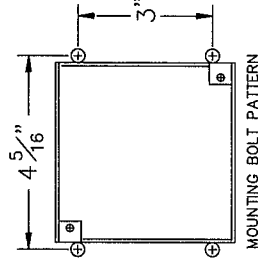
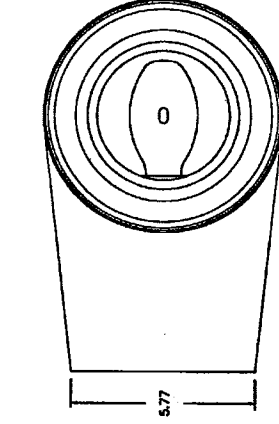
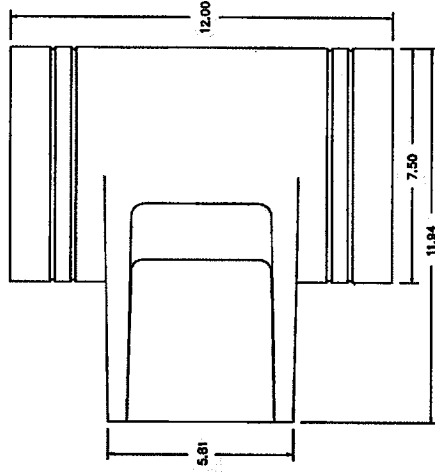
Each luminaire receives a fade and abrasion resistant electrostatically applied, thermally cured, (TIGIC) polyester powder coat finish. Standard finishes are textured.

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



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

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Genlyte Thomas Group LLC

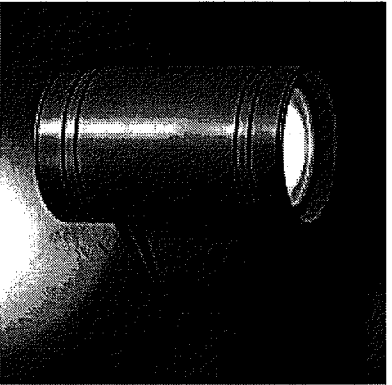
Gardco Lighting
2661 Alvarado Street
San Leandro, CA 94577

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



79115-112/0607

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

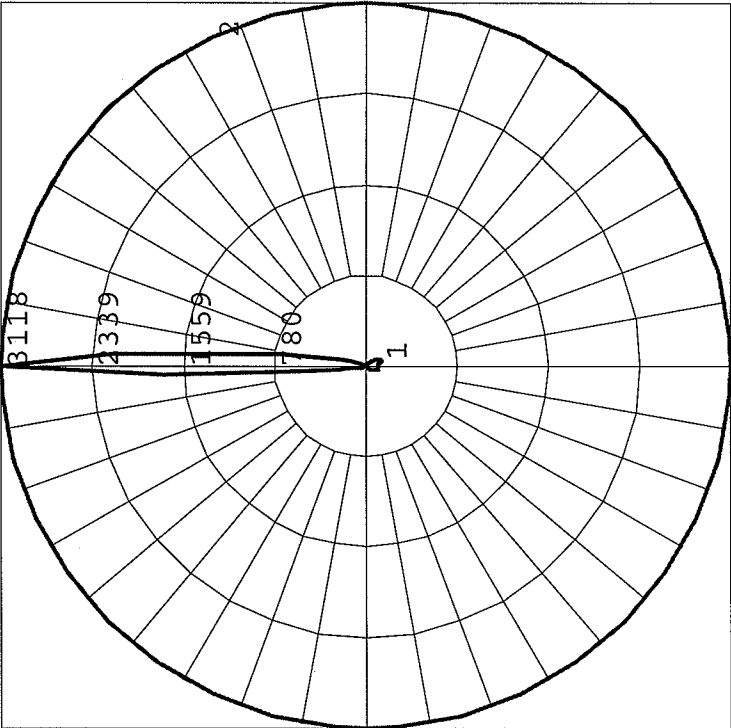
Maximum Candela = 3118.2 at 0 H 180 V

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

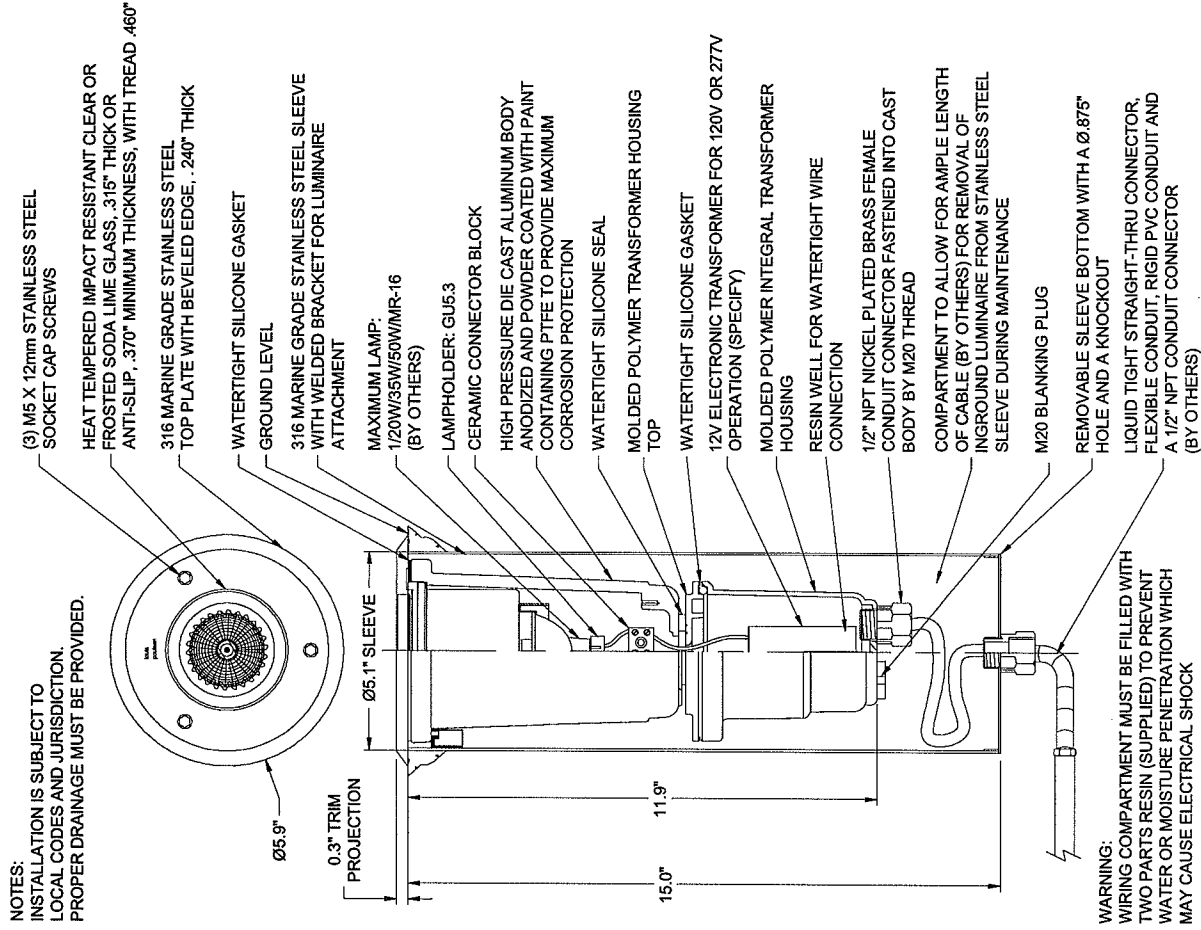


Design: Louis Poulsen

Type:

Project:

Catalog Number:



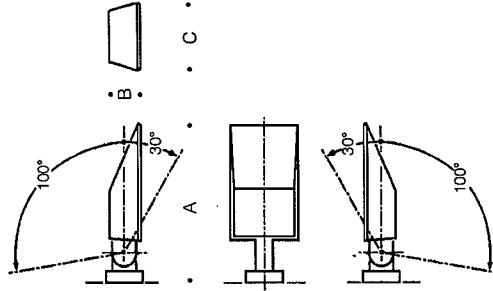
H3

Wall mounted downlight luminaires with shielded light sources

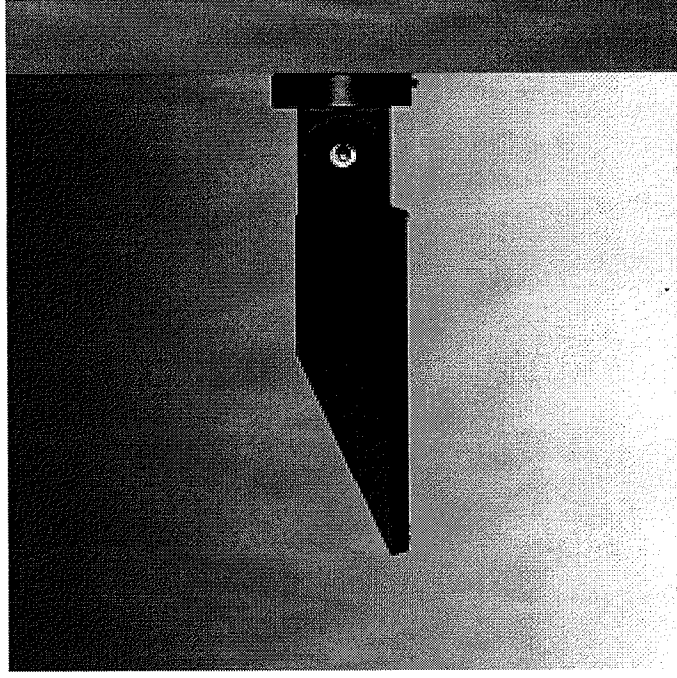
Type: BEGA Product #: Project: Voltage: Color: Options: Modified:

Housing: One piece die cast aluminum with integral arm and canopy supplied with a universal mounting bracket for direct attachment to a 3 1/2" 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.

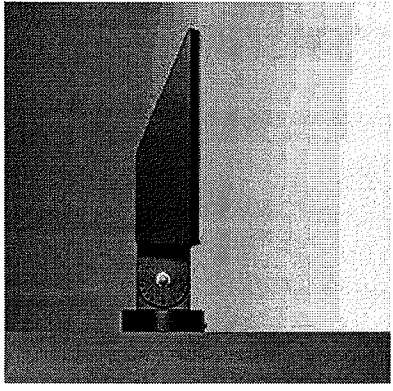


Surface mounted luminaires with forward throw floodlighting distribution.
Any mounting orientation.
U.L. listed, suitable for wet locations. IP 65.
Color: Standard BEGA finishes.



7475MH	Surface washer	Lamp	1	70W T6 G12 MH	Lumen A	19	B	4	C	8 7/8
--------	----------------	------	---	---------------	---------	----	---	---	---	-------

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

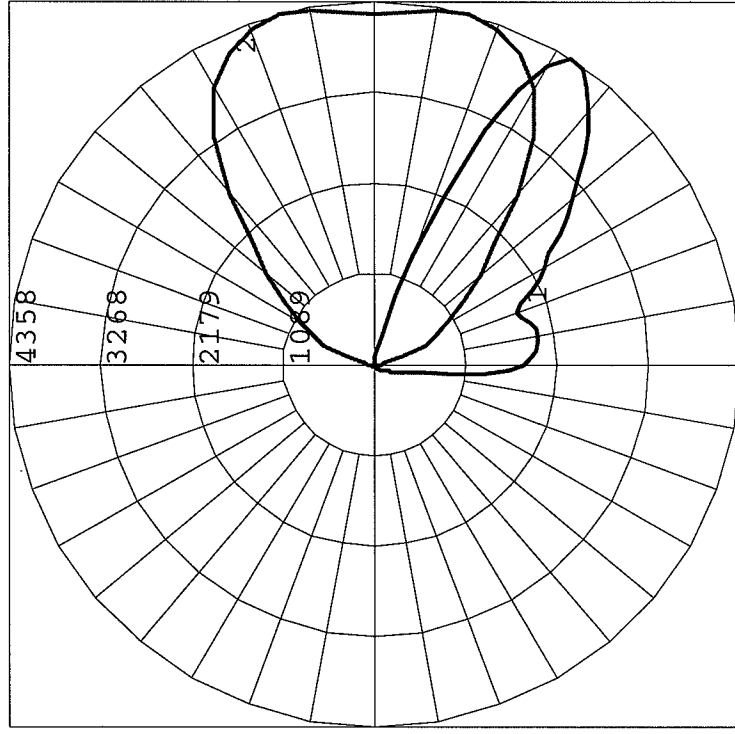
Maximum Candela = 4357.97993702888 at 15 H 57.5 V

Classification:

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

Polar Candela Curves:

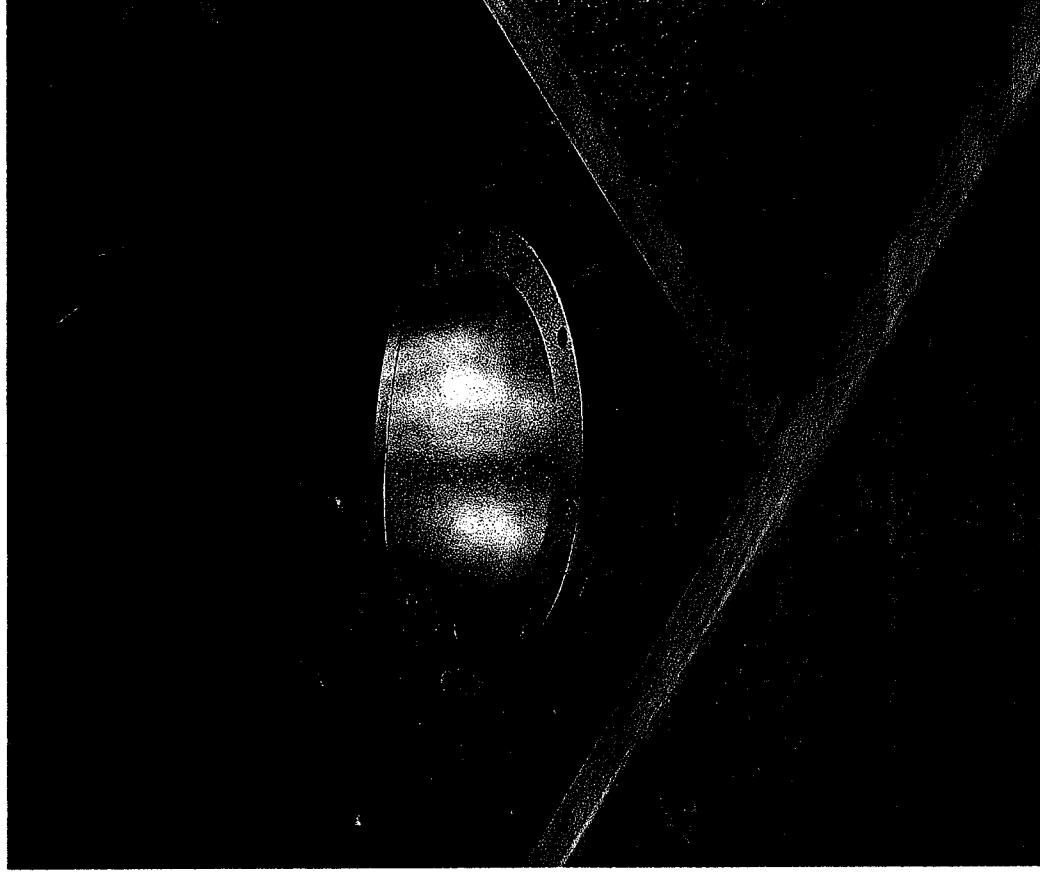
Vertical Plane Through:
1) 15 - 195 Horizontal
Horizontal Cone Through:
2) 57.5 Vertical



Specifications

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

H4



Eyeball Retaining Ring: Cast bronze, natural finish. Eight captive $\frac{5}{16}$ " 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 $\frac{1}{4}$ " blackened stainless steel hex-socket cap screws.

Lens: Clear tempered flat glass, $\frac{3}{16}$ " thick.

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

Bronze Housing: Two-piece cast bronze, $\frac{3}{16}$ " 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 $\frac{3}{4}$ " 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, $\frac{3}{16}$ " 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 $\frac{3}{4}$ " NPT in bottom, 33 cu in. splice area. Modular reverse draft design (top dia. smaller than bottom), body and ballast modules epoxy bonded.

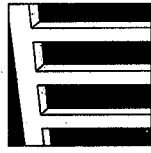
Optical System: SP and NF - Spot or Narrow Flood spun aluminum reflectors, specular Alzak®, black Duranodic® arc tube glare shield on SP only. **PR** - for PAR38 reflector lamps. All optical systems yoke mounted, 360° rotation, $\pm 15^\circ$ vertical adjustment (15° to 45° from 0° vertical), locking 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.

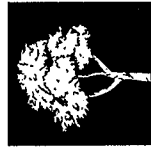
Wiring: Anti-siphon barriers on all wiring to and from ballast compartment. All components wire linked for ground, quick-disconnect for removal of optical system.

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

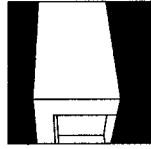


Trees

WW OPTICAL SYSTEM

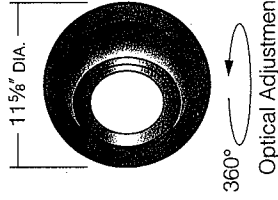


Signs

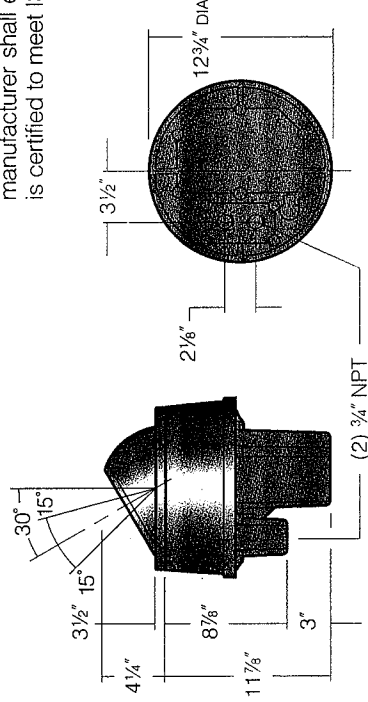


Facades

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.



360° Optical Adjustment



Fixture

LTV730

Bronze Housing
H.I.D.
Accent



LTV30

Composite Housing
H.I.D.
Accent

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.

70MH120 150MH120 70HPS120²
 70MH208 150MH208 70HPS208²
 70MH240 150MH240 70HPS240²
 70MH277 150MH277 70HPS277²
 70MH347 150MH347 70HPS347²

100MH120 175MH120 100HPS120²
 100MH208 175MH208 100HPS208²
 100MH240 175MH240 100HPS240²
 100MH277 175MH277 100HPS277²
 100MH347 175MH347 100HPS347²

150HPS120²
 150HPS208²
 150HPS240²
 150HPS277²
 150HPS347²

LTV731

Bronze Housing
Halogen
Accent



LTV31

Composite Housing
Halogen
Accent

PR PAR Lamp



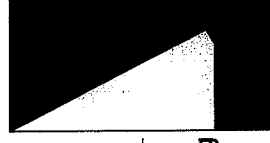
Yoke mounted medium base socket for PAR38 halogen reflector lamp.

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

WW Wall Wash



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

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

WW Wall Wash

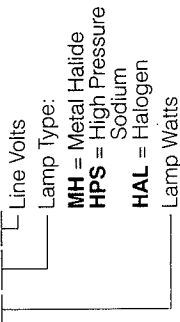


Hydroformed reflector and socket for T-4 halogen mini-can lamp.

250HAL120

250W maximum, lower wattage lamps may be used.

150HPS277



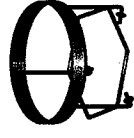
Lamps by others - see pages 48-49 for lamp guide.

Lamp Mode¹

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



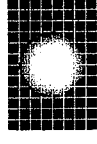
GR30
Green

Hex Cell Louver^{2*}



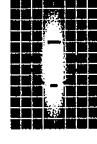
HL30
Installs behind main lens.
(See page 25)

Prismatic Lens⁵



PL30
Installs behind main lens.
(See page 25)

Spread Lens⁵



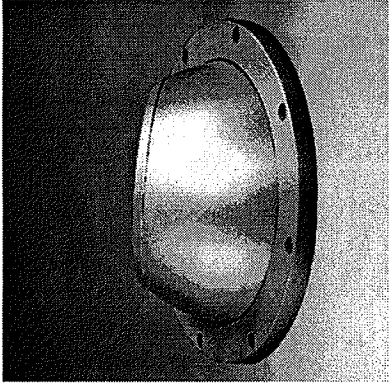
SL30
Installs behind main lens.
(See page 25)

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
[LAMP] 70 WATT ED-17 MH CLEAR MED_ BASE DOWN

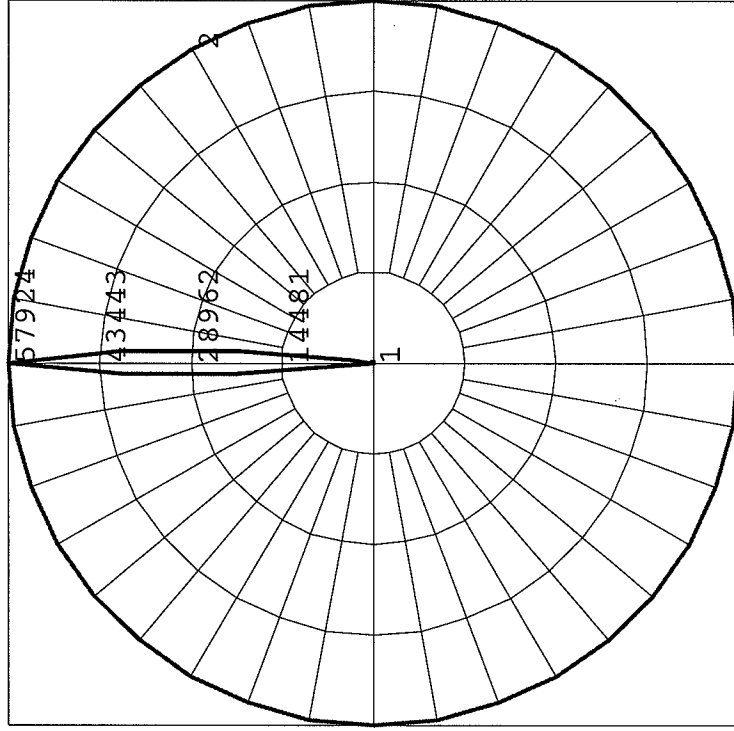
Maximum Candela = 57924 at 0 H 180 V

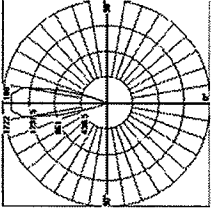
Classification:

Indoor Classification: Indirect

Polar Candela Curves:

- Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 180 Vertical





Photometric Report:
Report No.:
Poulsen Report No.:
Luminaire:
Efficiency:
Description:

Nimbus-2-Part-Clear Top Plate-50W-MR16 IES
LP4222a
Nimbus-2-Part-Clear Top Plate-50W-MR16 IES
Nimbus-2-Part-Clear Top Plate-50W-MR16
160W/12V/36

55.8%
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	Candela
Vertical Angle	
0	1.8
10	1.6
40	0
70	0
110	0.3
120	0.8
130	5.3
140	14.0
160	20.3
180	249
	1405
	1578

Zonal Lumen Summary	Lumens	% Lamp	% Fixture
Zone			
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	2.87	0.3	0.6
90-150	4.39	0.5	0.8
90-180	16.49	5.7	9.1
	578.49	55.7	99.9
0-180	520.23	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

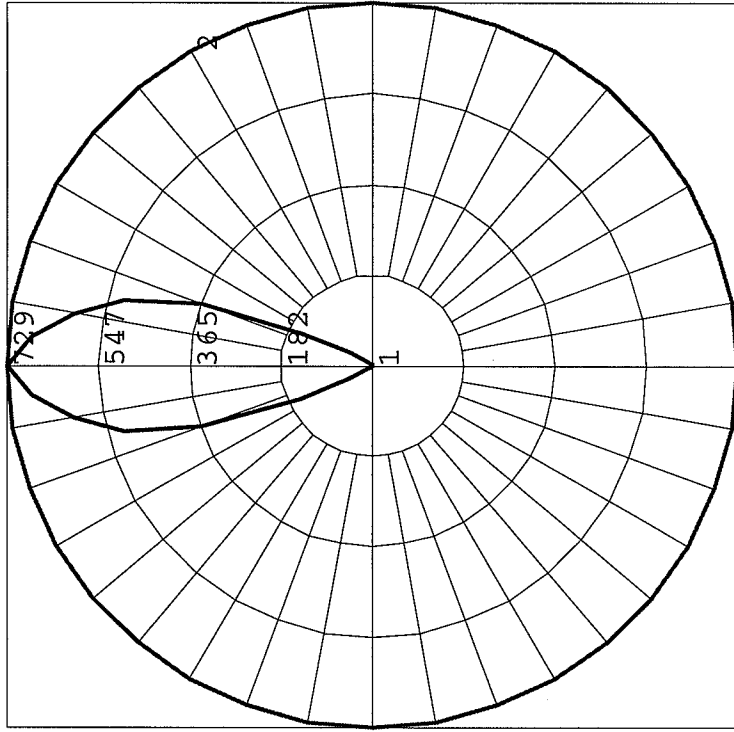
Maximum Candela = 729 at 0 H 180 V

Classification:

Indoor Classification: Indirect

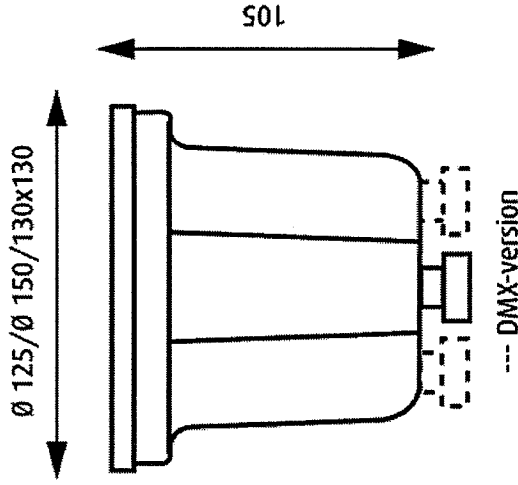
Polar Candela Curves:

- Vertical Plane Through:
1) 0 - 180 Horizontal
Horizontal Cone Through:
2) 180 Vertical



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 earthy/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	Variant notes: RGB only available as DMX.
2	Dimensions Ø 125 STRAIGHT Ø 150 STRAIGHT Ø 150 BEVELLED 130X130 STRAIGHT	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 Controllable. 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.
3	Light source 9 LED Amber Norm. load 9W 9 LED Blue Norm. load 9W 9 LED Green Norm. load 9W 9 LED Red Norm. load 9W 9 LED RGB Norm. load 9W	
4	Finish STAINL STEEL	
5	Lighting control NOT APPLICABLE DMX	

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 REFRACT
 Maximum Candela = 3251 at 0 H 0 V

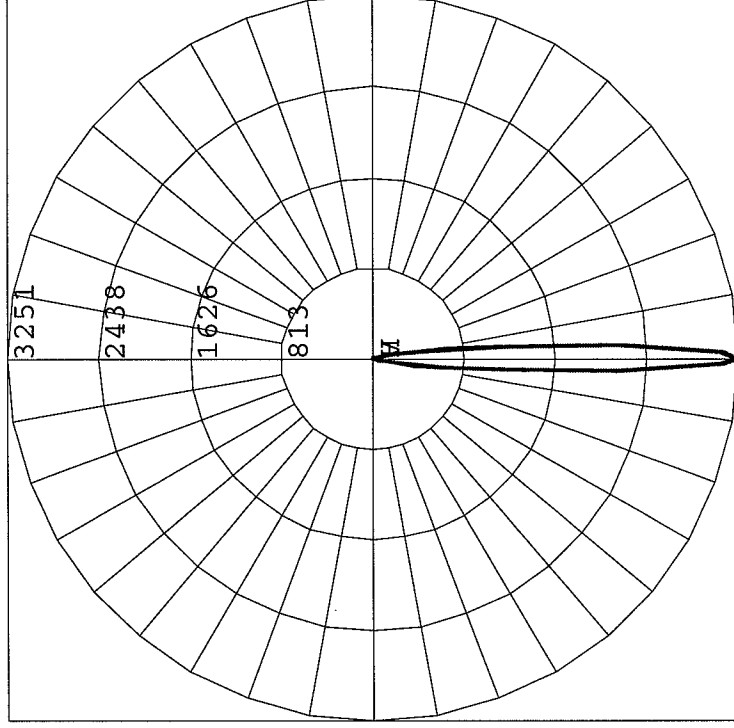
Classification:

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: **L3**
 BEGA Product #:

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

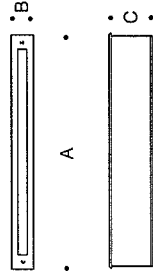
Enclosure: .250" thick tempered clear glass with internal white translucent ceramic coating, machined to be flush with trim. The .125" thick machined stainless steel trim is permanently attached and sealed.

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.

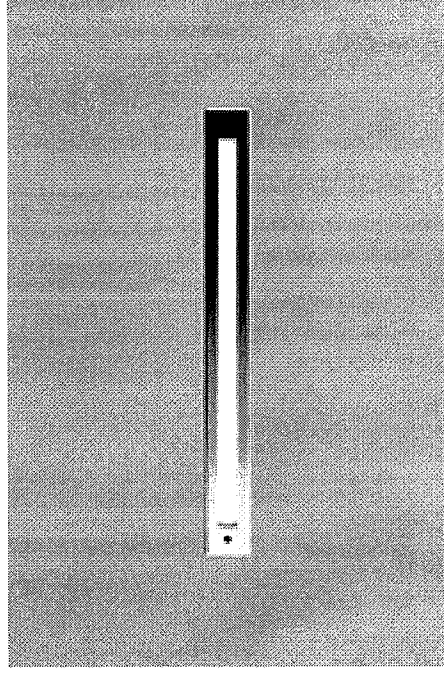
Finish: #4 brushed stainless steel. Custom colors are not available.

U.L. listed, suitable for wet locations.

Project:
 Voltage:
 Color:
 Options:
 Modified:

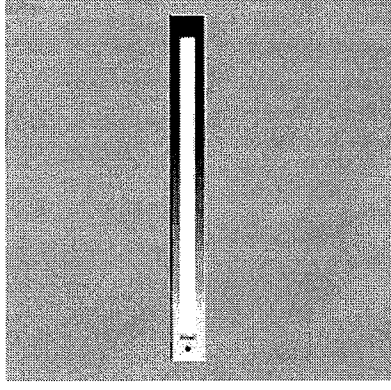


Stainless steel and aluminum construction. Diffused tempered glass. 114 LED's. Remote 24V, a DC power source required (by others). U.L. listed, suitable for wet locations. IP 67.
 Finish: #4 brushed stainless steel.



		Lamp		
8625	Linear diffused	A	B	C
		39%	17 ¹ / ₈	23 ¹ / ₄

63



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

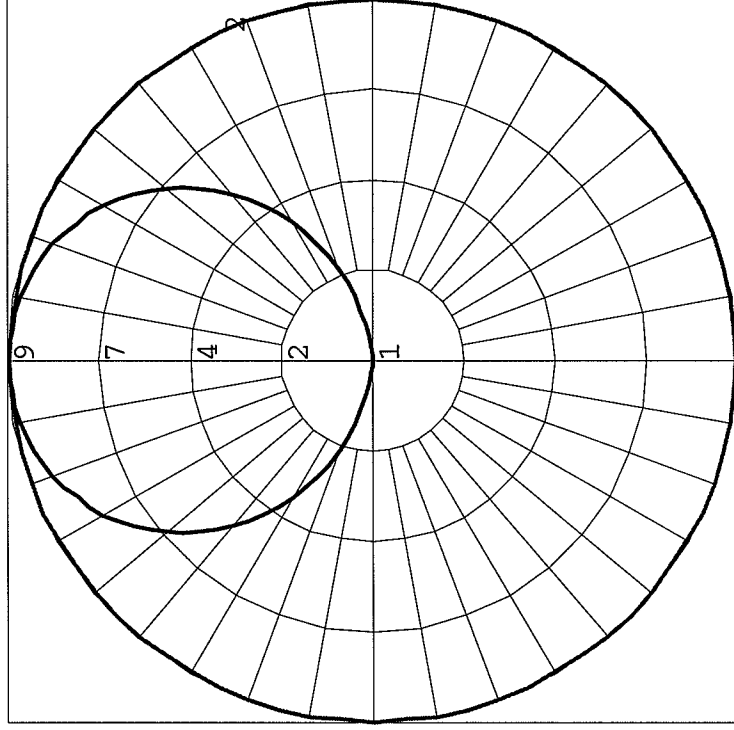
Maximum Candela = 8.81999969482422 at 20 H 177.5 V

Classification:

Indoor Classification: Indirect

Polar Candela Curves:

- Vertical Plane Through:
1) 20 - 200 Horizontal
Horizontal Cone Through:
2) 177.5 Vertical



luxrail™



LY

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.ioighting.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.ioighting.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

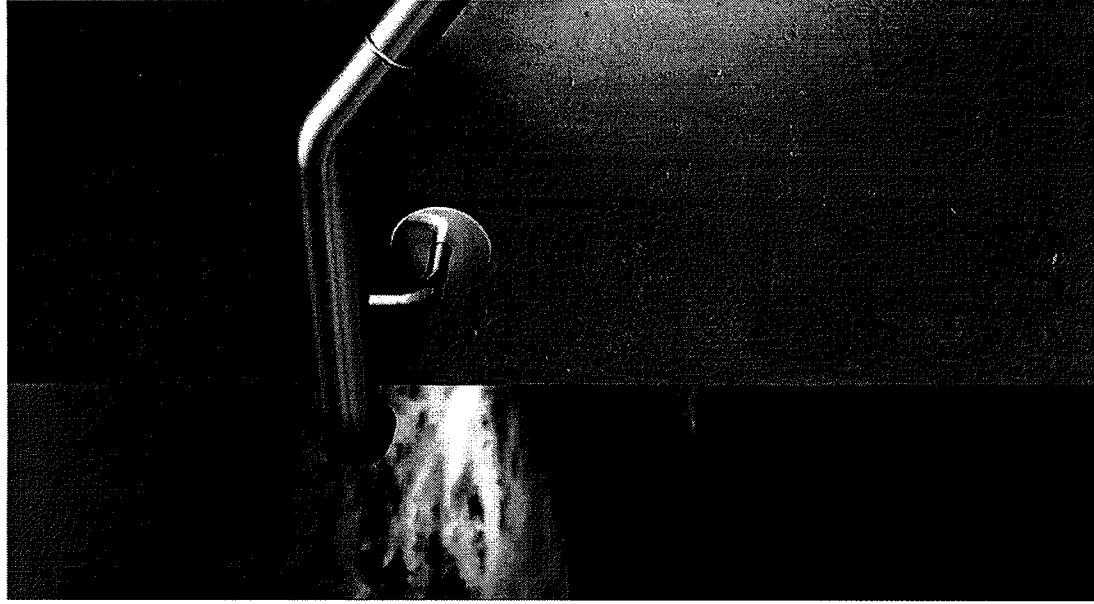
luxrail houses a low voltage LED based light fixture which is integrated into the underside of the handrail. It comes complete with the linear light fixture installed in the handrail. 24 volt 100 watt power supplies are provided as a standard. See daisy chain and remote distance requirements in chart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

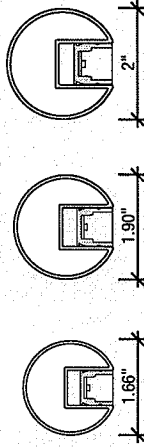
Power Consumption

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

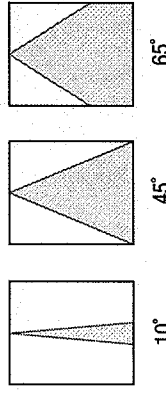
Power consumption does not include power supply losses. Consult **io** driver specification sheets for losses associated with each driver option.



Dimensions



Beam Spreads

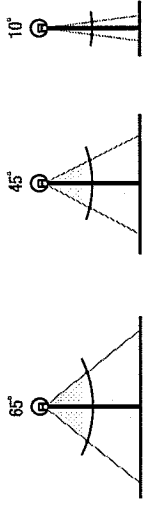


Power Supply

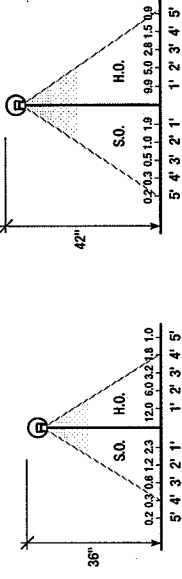
Standard Output	SUPPLIES	REMOTE DISTANCE
TYPE 24V100w	up to 35'-0"	7'-0" (w/22AWG)
	(2) RUNS UP TO	18'-0" (w/18AWG)
	48' WITH (1) RUN	46'-0" (w/14AWG)
	NTE 35'-0"	71'-0" (w/12AWG)
High Output	SUPPLIES	REMOTE DISTANCE
TYPE 24V100w	up to 12'-0"	7'-0" (w/22AWG)
		18'-0" (w/18AWG)
		46'-0" (w/14AWG)
		71'-0" (w/12AWG)



BEAM SPREAD OPTIONS



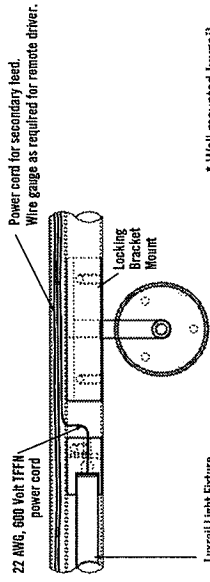
LIGHT OUTPUT - 65 DEGREE WARM WHITE



74

Light Output / Distributions

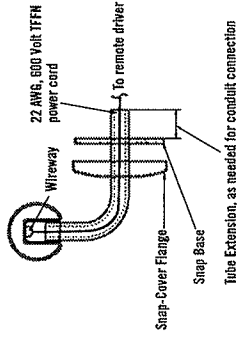
WALL MOUNT DETAILS*



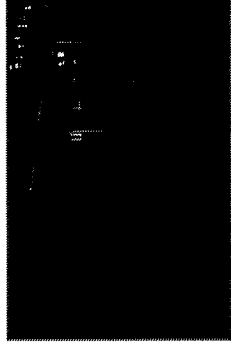
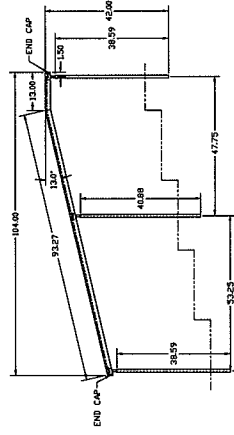
Luxrail Light Fixture

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

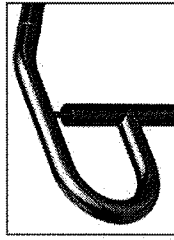
Post and wall bracket spacing must be provided by a licensed architect or structural engineer.



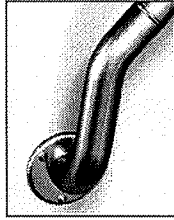
POST MOUNT APPLICATION



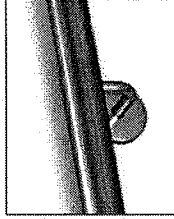
Mounting / Infill Options



PM (post mounted)



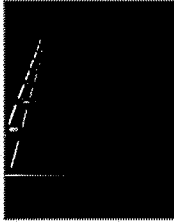
WM (end feed)



WM (wall mount intermediate)



Glass infill
(Glass provided by others)



Stainless steel cable infill

0 0 06

ic 1

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⁽⁵⁾
- 5K Cool White⁽⁵⁾
- 3KH0 Warm White⁽⁵⁾
- 5KH0 Cool White⁽⁵⁾
- R Red⁽⁶⁾
- G Green⁽⁶⁾
- B Blue⁽⁶⁾

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 to power supply specification sheet for driver and dimming options. If left blank, it will supply 100 watt drivers.

Order Code

Footnotes

1. See to 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. While 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.

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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 BOARD
[LAMP] FORTY 0_5-WATT WHITE LIGHT EMITTING DIODES (LED'S), EACH RATED 17 LUMENS, VERTICAL BA

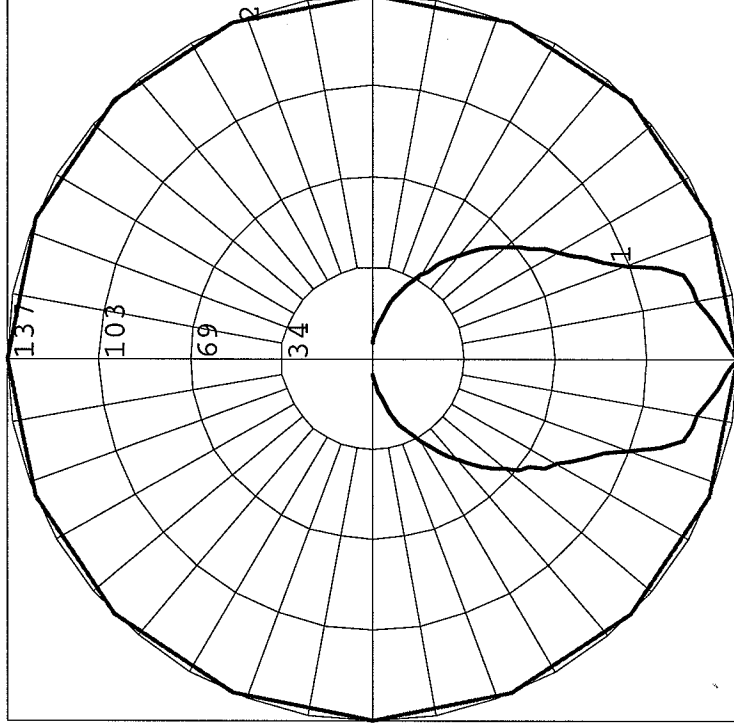
Maximum Candela = 137 at 0 H 0 V

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



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

SCALE: ONE INCH = TWENTY FEET

SANITARY SEWER ELEVATION TABLE

ID	Run	Pipe Inverts (ft)			
		North	East	South	West
SAS#1	861.61	851.22	851.89	n/a	850.87
SAS#2	855.60	856.54	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	857.62	
IN#2	Curb Inlet	862.79	iced up -	inverts not measured		
IN#3	Curb Inlet	878.96	n/a	876.11	875.89	
IN#4	Area Inlet	Run=865.79	Covered with asphalt -	inverts not measured		

ASSUMED NORTH
THE SOUTH LINE OF LANGDON STREET IS ASSUMED TO BEAR N00°00'00"E

LEGEND

- FOUND IRON PIPE (OUTSIDE DIAMETER NOTED)
- FOUND 3/4" SOLID IRON ROD
- FOUND NAIL
- FOUND MAG NAIL
- ✕ FOUND CHISELED CROSS
- SET MAG NAIL
- +870.2 SPOT ELEVATION
- () INDICATES RECORDED AS
- DISTANCES ARE MEASURED TO THE NEAREST 0.01 FOOT.
- 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
- 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)
- 3" CONIFEROUS TREE (TRUNK DIAMETER SHOWN)
- () RECORDED AS

LOT CORNER ELEVATIONS (not to scale)

Lot	Corner	Elevation
1	1,1	860.1
	1,2	860.9
	1,3	860.9
	1,4	860.9
2	2,1	860.1
	2,2	860.9
	2,3	860.9
	2,4	860.9
3	3,1	860.1
	3,2	860.9
	3,3	860.9
	3,4	860.9
4	4,1	860.1
	4,2	860.9
	4,3	860.9
	4,4	860.9

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 Benchmarks: 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 Sandness. 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, 20070602037, 20070602040, 20070602043, 20070602031, 20070602032 & 20070802034, drawings obtained from the City of Madison Engineering Division, and visible above-ground 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 400897).
- 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.

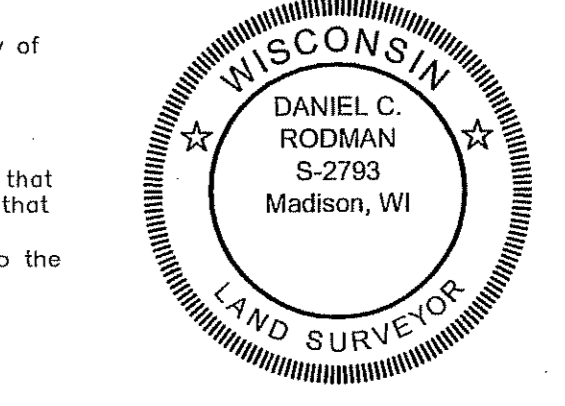
DESCRIPTION FURNISHED:

"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 26th day of February, 2007.
Signed: Daniel C. Rodman, R.L.S. No. 2793



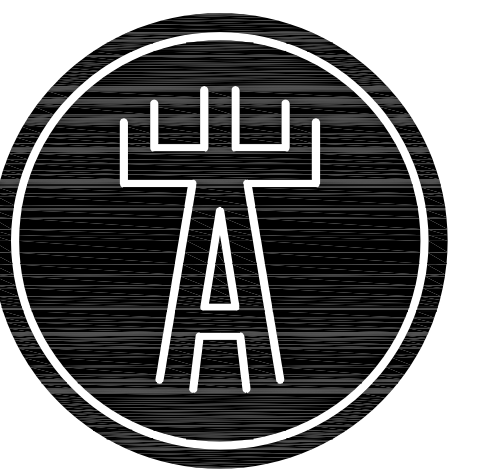
SURVEYED BY:
Burse

surveying & engineering
1400 E. Washington Ave., Suite 150
Madison, WI 53703 608.250.9263
Fax: 608.250.9266
email: burse@chorus.net
www.bursesurveying.com

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

UNIVERSITY OF WISCONSIN - HILLEL

Madison, Wisconsin



Engberg Anderson Design Partnership, Inc.
MILWAUKEE • MADISON

PROJECT

SEAL

CONSULTANTS

DRAWINGS

Civil	Landscape	Architectural	Foodservice	Structural	Plumbing	Mechanical	Electrical	Communications
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Burse Surveying & Engineering 1400 E Washington Ave, Suite 158 Madison, WI 53703 Ph 608-250-9263 Fx 608-250-9266	Ken Saiki Design, Inc. 303 S. Paterson, Suite One Madison, WI 53703 Ph 608-251-3600 Fx 608-251-2330	Engberg Anderson 1 North Pinckney Street Madison, Wisconsin 53703 Ph 608-250-0100 Fx 608-250-0200	Stewart Design Associates 2934 Fish Hatchery Road Madison, WI 53713 Ph 608-271-8554 Fx 608-271-7848	Pierce Engineers, Inc. 10 West Mifflin Street, Suite 205 Madison, WI 53703 Ph 608-256-7304 Fx 608-256-7306	Affiliated Engineers, Inc. 5802 Research Park Blvd. Madison, WI 53719 Ph 608-238-2616 Fx 608-238-2614	Affiliated Engineers, Inc. 5802 Research Park Blvd. Madison, WI 53719 Ph 608-238-2616 Fx 608-238-2614	Affiliated Engineers, Inc. 5802 Research Park Blvd. Madison, WI 53719 Ph 608-238-2616 Fx 608-238-2614	Affiliated Engineers, Inc. 5802 Research Park Blvd. Madison, WI 53719 Ph 608-238-2616 Fx 608-238-2614
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)	

UNIVERSITY OF WISCONSIN
HILLEL

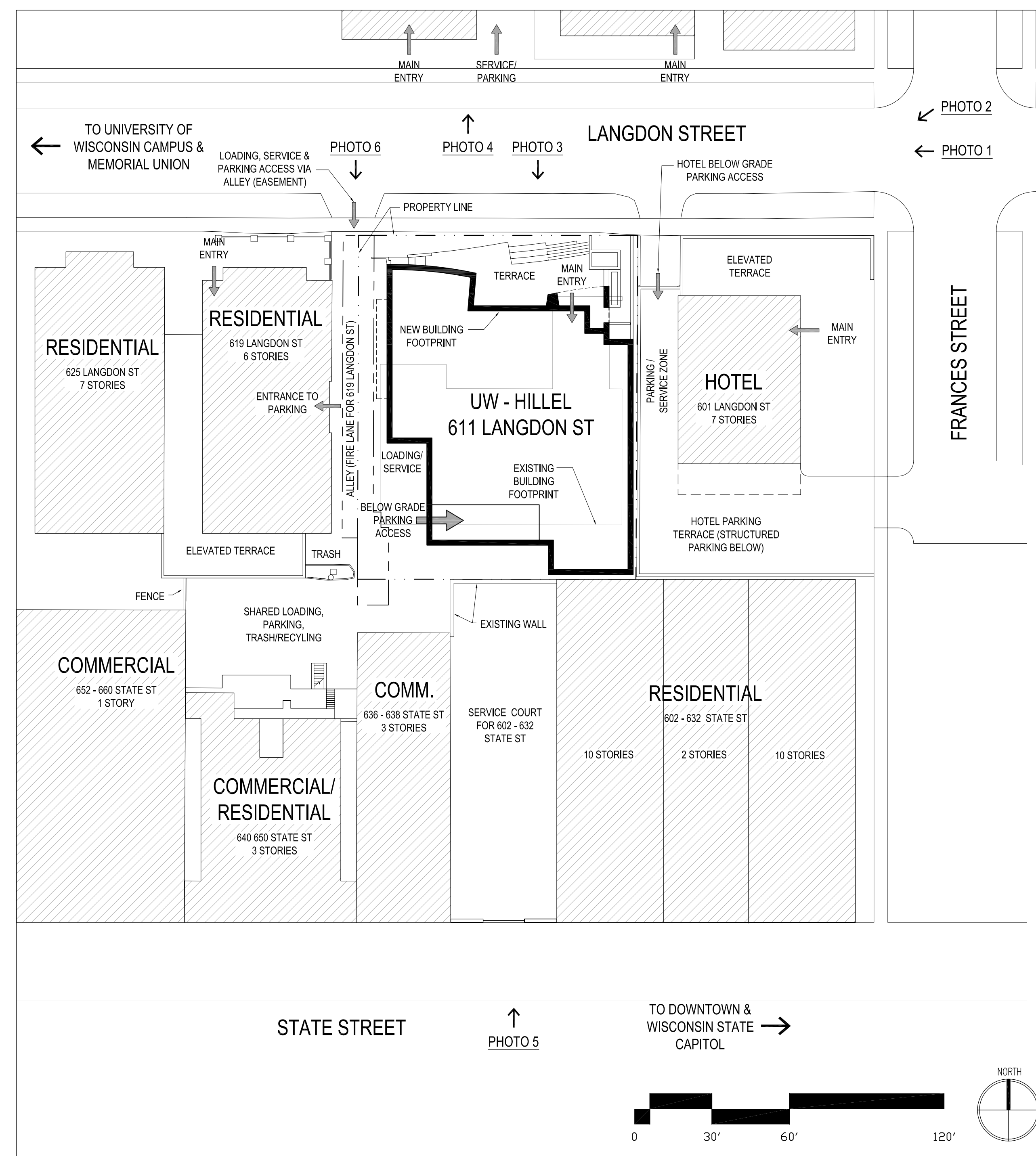
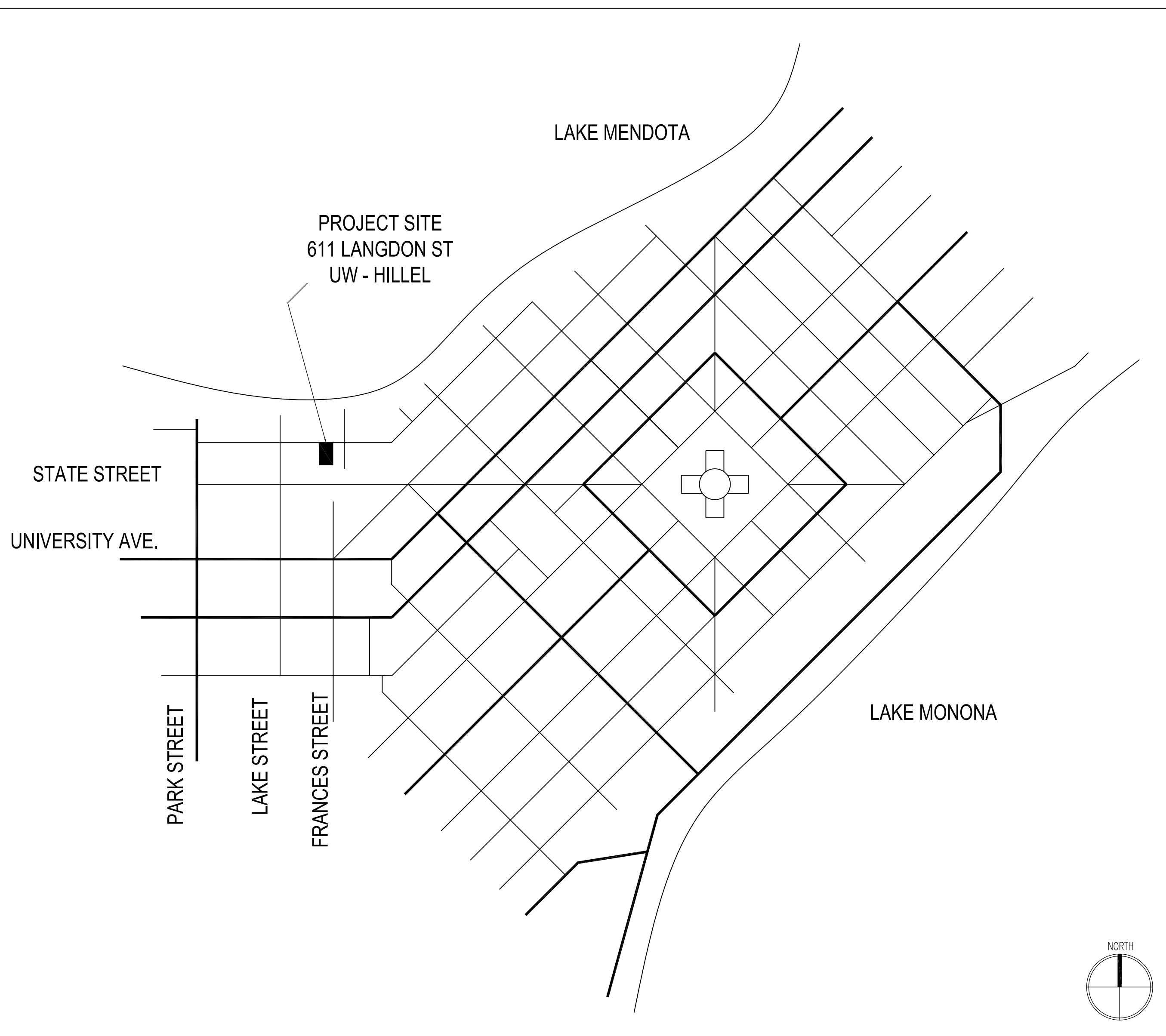
MADISON, WISCONSIN

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



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 OCCUPANCY LOAD	1,717

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

Title Sheet

T100



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