

APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL

AGENDA ITEM # 2
Project # 4-6-12
Legistar # 25972

DATE SUBMITTED: <u>April 11, 2012</u>	Action Requested
UDC MEETING DATE: <u>MAY 2, 2012</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PLEASE PRINT!

PLEASE PRINT!

PROJECT ADDRESS: 1050 PARKFATE STREET

ALDERMANIC DISTRICT: 12

OWNER/DEVELOPER (Partners and/or Principals)	ARCHITECT/DESIGNER/OR AGENT:
<u>THE RIFFEN GROUP / MARTY RIFFEN</u>	<u>SCOTT FURBER / SULLIVAN</u>
<u>14 W. KIFFLIN, STE. 300</u>	<u>1314 EMIL ST. DESIGN BLDG</u>
<u>MADISON, WI 53701</u>	<u>MADISON, WI 53713</u>

CONTACT PERSON: SCOTT FURBER

Address: 1314 EMIL STREET
MADISON, WI 53713

Phone: 608.259.2289

Fax: 608.259.2906

E-mail address: scott@kpenallivao.com

TYPE OF PROJECT:
(See Section A for:)

- Planned Unit Development (PUD)
- General Development Plan (GDP)
- Specific Implementation Plan (SIP)
- Planned Community Development (PCD)
- General Development Plan (GDP)
- Specific Implementation Plan (SIP)
- Planned Residential Development (PRD)
- New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
- School, Public Building or Space (Fee may be required)
- New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.
- Planned Commercial Site

(See Section B for:)

- New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)

- R.P.S.M. Parking Variance (Fee required)

(See Section D for:)

- Comprehensive Design Review* (Fee required)
- Street Graphics Variance* (Fee required)
- Other _____

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

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





April 25, 2012

**Letter of Intent
Lakeland College
New Madison Campus
1650 Pankratz Street**

2nd Submittal:

Revisions from April 18th meeting:

- 1) Added a second cupola on Packers Ave. elevation and connected the screen wall base between each cupola to hide all rooftop equip. Each cupola is centered upon the portal elements of each elevation alone.**
- 2) Extended the outer split-faced vertical piers from ground level to roofline on ends of building and bumped out the EIFS panel above the windows 12" to create vertical separation.**
- 3) Removed brick veneer and continued the split-faced block from ground level to roof line at both the Main Entry portal and Packers Ave. portal.**
- 4) Revised the color selection for the brick veneer to provide more contrast between the brick and spit-faced block materials.**

Dear Urban Design Commission Members:

The Rifken Group is proposing to construct a 14,637 square foot campus facility for Lakeland College. The college will be located on a 1.92-acre site, located at the 1600 block of Pankratz Street, in the Corben Business Campus. The lot is zoned M1, abutting other M1 lots. It is in Urban Design District 4.

Our Project team includes:

Designer: Scott Pulver of Sullivan design BUILD
General Contractor: Sullivan design BUILD
Landscape Architect: The Bruce Company
Storm Water Management: Quam Engineering, L.L.C.
Site Lighting: Electric Construction, Inc.

The timeline for the entire project will be approximately 6 months, with construction to start July 2012.

If you should require additional information, please contact me at 257-2289.

Sincerely,
Sullivan design BUILD

Scott A. Pulver
Designer | Project Manager



**Lakeland College
New Madison Campus
1650 Pankratz Street**

Material and color selections:

Metal roof edge coping – Hallman Lindsay “Great Graphite” - #8302

E.I.F.S. wall system (main body) – Benjamin Moore “Greenbrier Beige” - #HC-79

E.I.F.S. wall system (accent bands) – Hallman Lindsay “Great Graphite” - #8302

Aluminum store-front window system – EFCO “Bronze”

Precast stone cap and sill – Heritage Cast Stone “Buff”

Brick veneer – Sioux City Brick “Toasted Fine Art Velour” – 12” Utility Size

Split-faced CMU block – County Materials “Blackened Ash” - #01-064A

**Lakeland College
New Madison Campus
1650 Pankratz Street**





**Lakeland College
New Madison Campus
1650 Pankratz Street**



View of adjacent Office Building to South of proposed site.



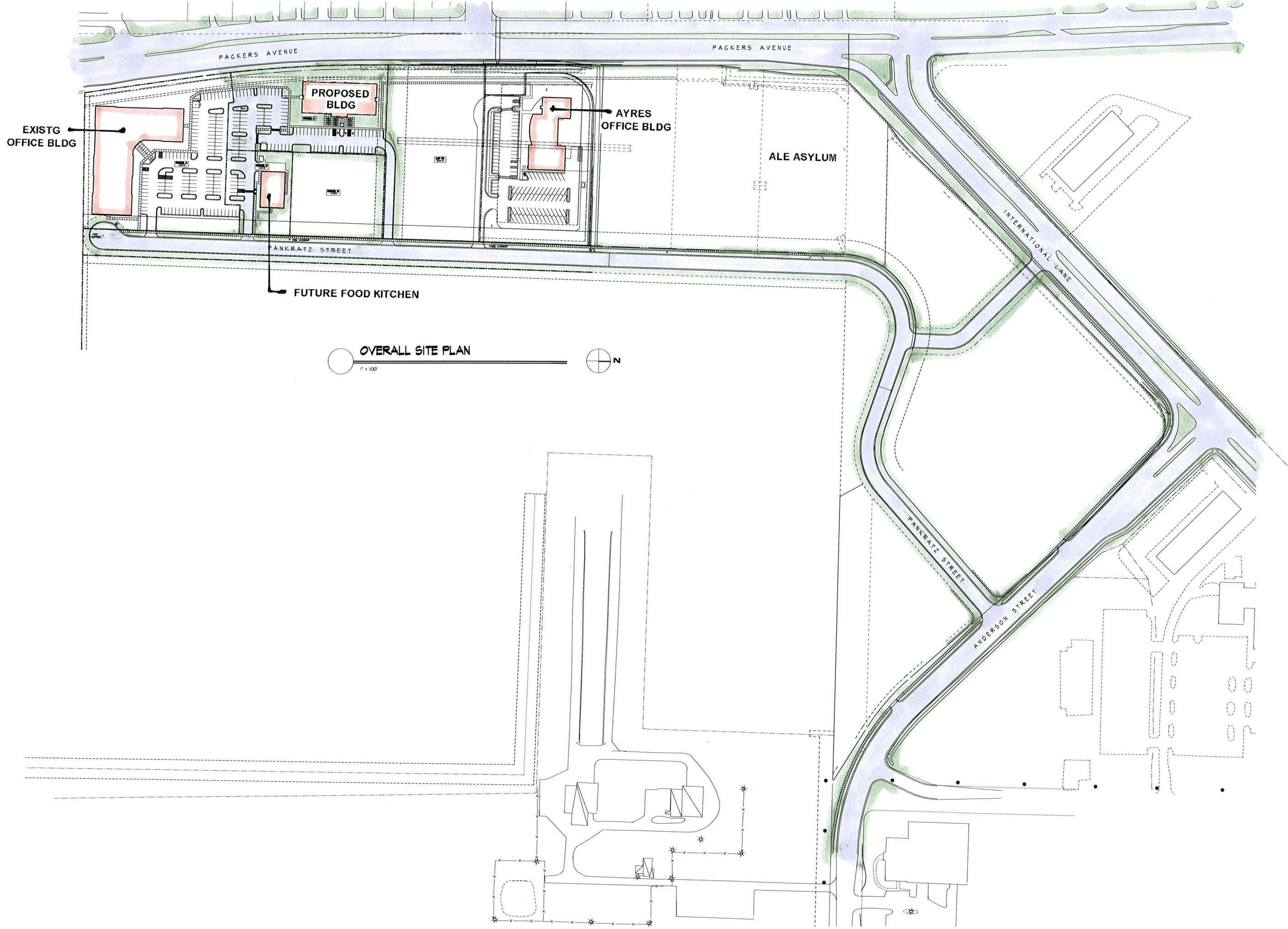
View of proposed site looking Northeast.



View of proposed site looking North.



View of adjacent Ayres Office Building to North of proposed site.



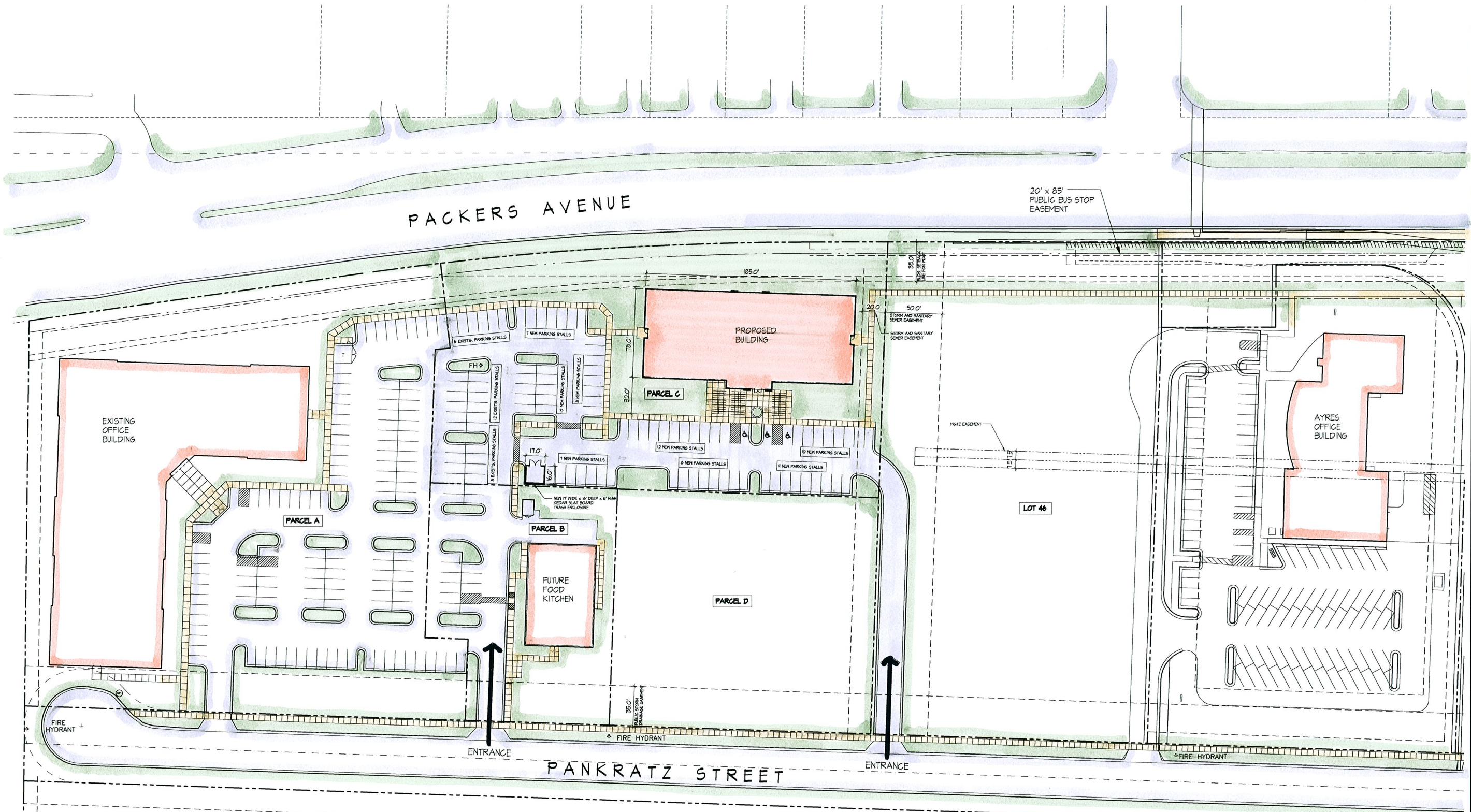
Lakeland College - Madison Campus
 1650 Pankratz Street
 Madison, WI



Plan Submittal Date	Permit Issued Date

DRAWING NAME
 OVERALL SITE PLAN
 DRAWN BY: PULLV
 DATE: 4/23/12

SHEET
C-1.0
 PROJ. # 212-020



CONCEPTUAL SITE PLAN

1" = 40'

71 TOTAL NEW PARKING STALLS
 26 TOTAL EXIST'G. PARKING STALLS
 97 TOTAL PARKING STALLS

N

Lakeland College - Madison Campus
 1650 Pankratz Street
 Madison, WI



Plan Submittal Date	Permit Issued Date
Revision Schedule	

DRAWING NAME
 OVERALL SITE PLAN

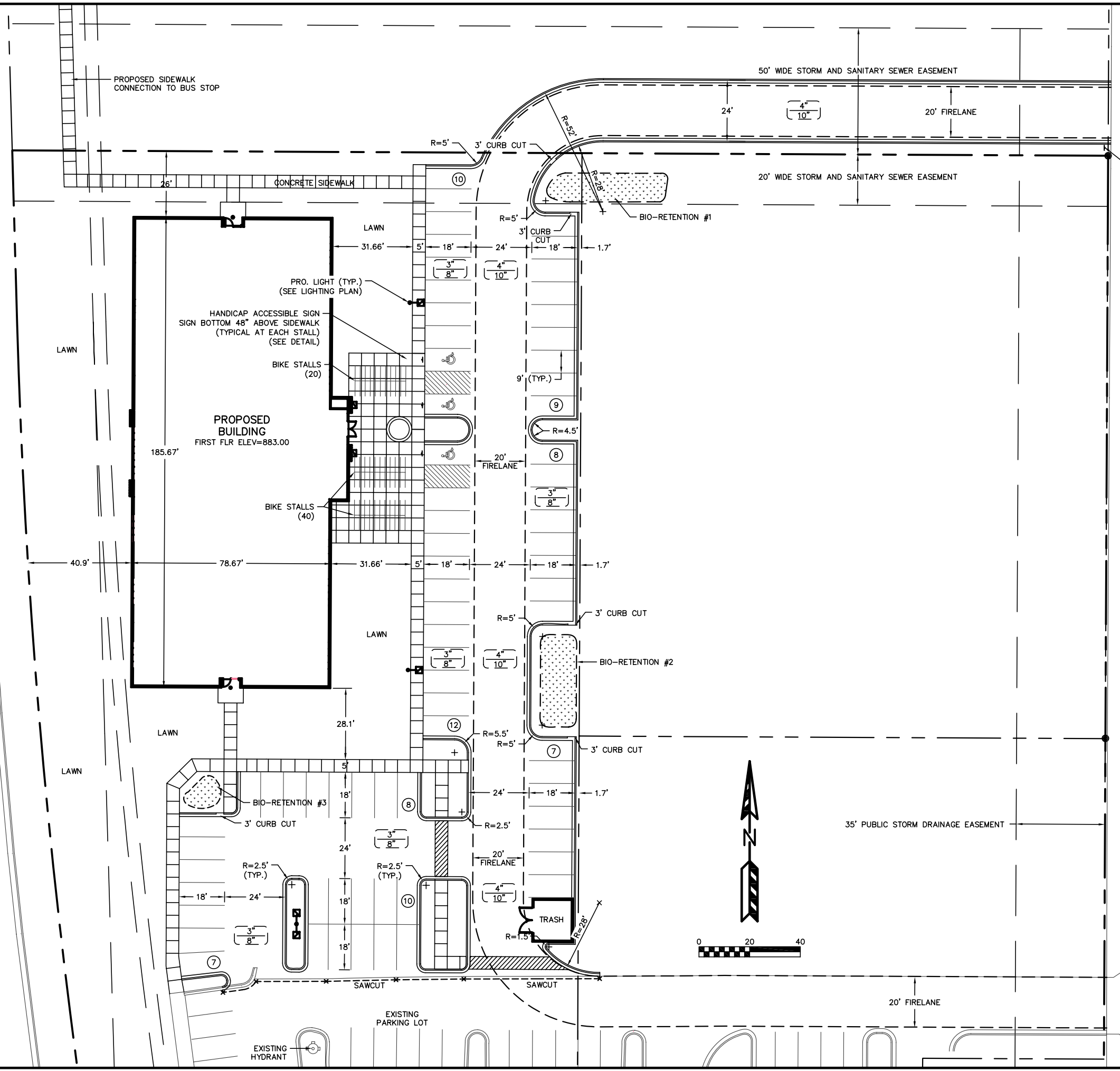
DRAWN BY: PULVS
 DATE: 4/23/12

SHEET
C-1.1

PROJ. # 212-020

PACKERS AVENUE

PANKRATZ STREET



PAVING LEGEND

3" ASPHALT PAVEMENT OVER 8" AGGREGATE BASE COURSE

4" ASPHALT PAVEMENT OVER 10" AGGREGATE BASE COURSE (IN FIRE ACCESS AISLE)

THE FIRE LANE AND ACCESS AISLE SHALL BE CONSTRUCTED TO SUPPORT A MINIMUM LOAD OF 85,000 POUNDS AND CERTIFIED IN THE FIELD BY AN APPROVED SOILS ANALYST.



HANDICAP ACCESSIBLE SIGN DETAIL

PARKING LOT PLAN SITE INFORMATION BLOCK

Site Address 1650 PANKRATZ STREET
 Site acreage (total) 1.92 ACRES

Number of building stories (above grade) 1
 Building height 16.5' AVERAGE 28' AT CLEAR STORY ELEMENT
 DILHR type of construction (new structures or additions) 2B
 Total square footage of building 14,637

Use of property GROUP B - BUSINESS
 Gross square feet of office 14,637
 Gross square feet of retail area N/A
 Number of employees in warehouse N/A
 Number of employees in production N/A
 Capacity of restaurant/piece of assembly N/A

Number of bicycle stalls shown 60

Number of Parking stalls:

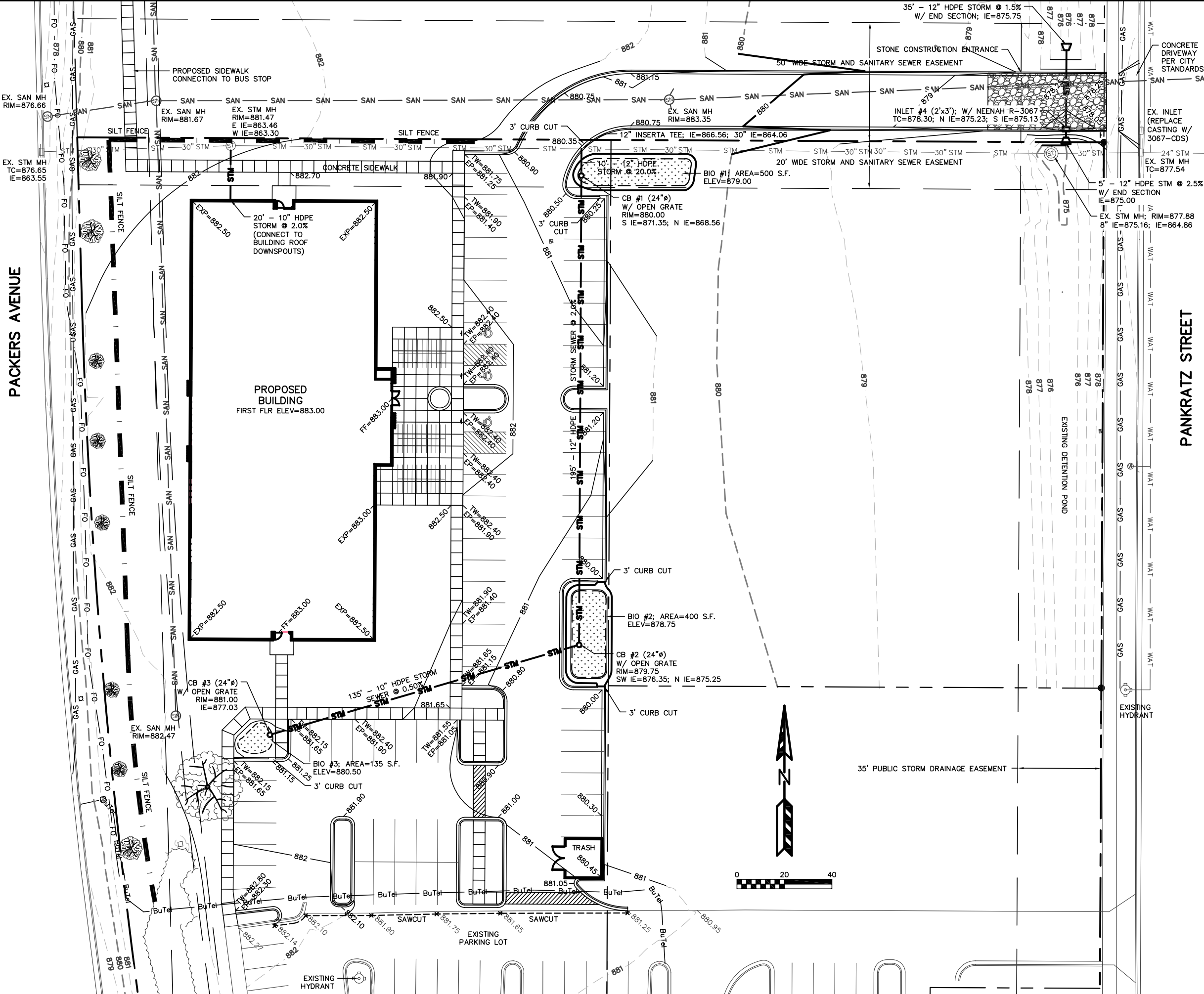
	SHOWN
Small Car	0
Large Car	70
Accessible	3
Total	73

Number of trees shown (See Landscape Plan)

RIFKEN GROUP - 1650 PANKRATZ STREET

PROPOSED SITE PLAN
 SHEET: C-1.1
 DATED: APRIL 23, 2012

QUAM ENGINEERING, LLC
 Residential and Commercial Site Design Consultants
 www.quamengineering.com
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558
 Phone (608) 838-7750; Fax (608) 838-7752



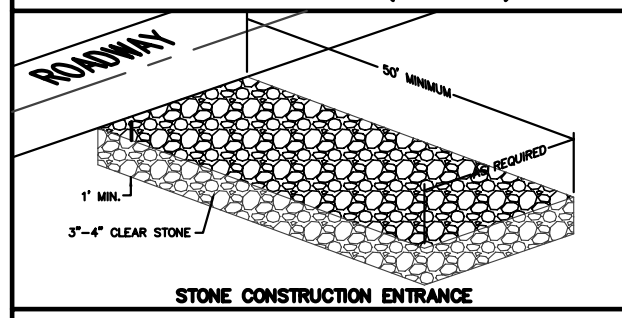
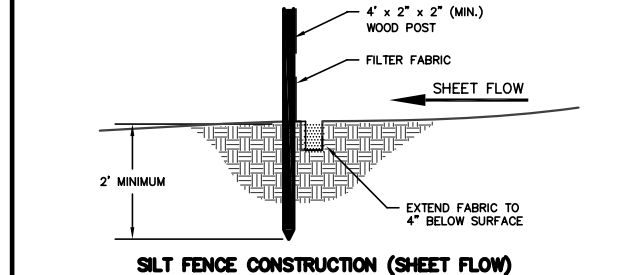
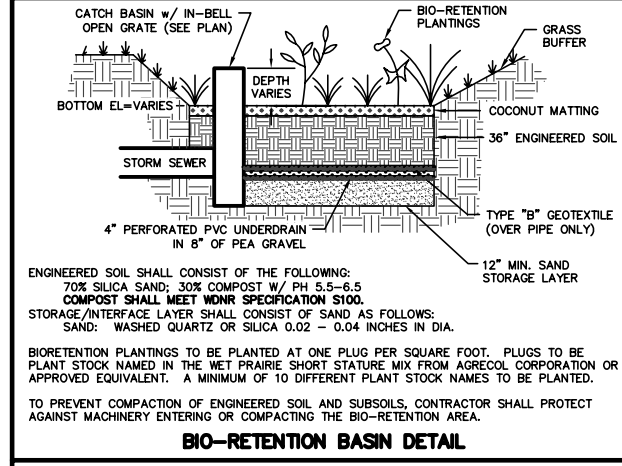
EROSION NOTES:
 THE STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. THE TRACKING PAD IS TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION, WHICH WILL PREVENT THE TRACK OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.
 EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
 CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.
 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 A 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.

TIME SCHEDULE:
 JULY 11, 2012 INSTALL INITIAL EROSION CONTROL DEVICES.
 JULY 12 - DECEMBER 15, 2012 CONSTRUCT BUILDING AND PARKING LOT IMPROVEMENTS.
 APRIL 15 - 30, 2013 CONSTRUCT BIO-RETENTION DEVICES AND COMPLETE FINAL LANDSCAPING INCLUDING SITE RESTORATION.

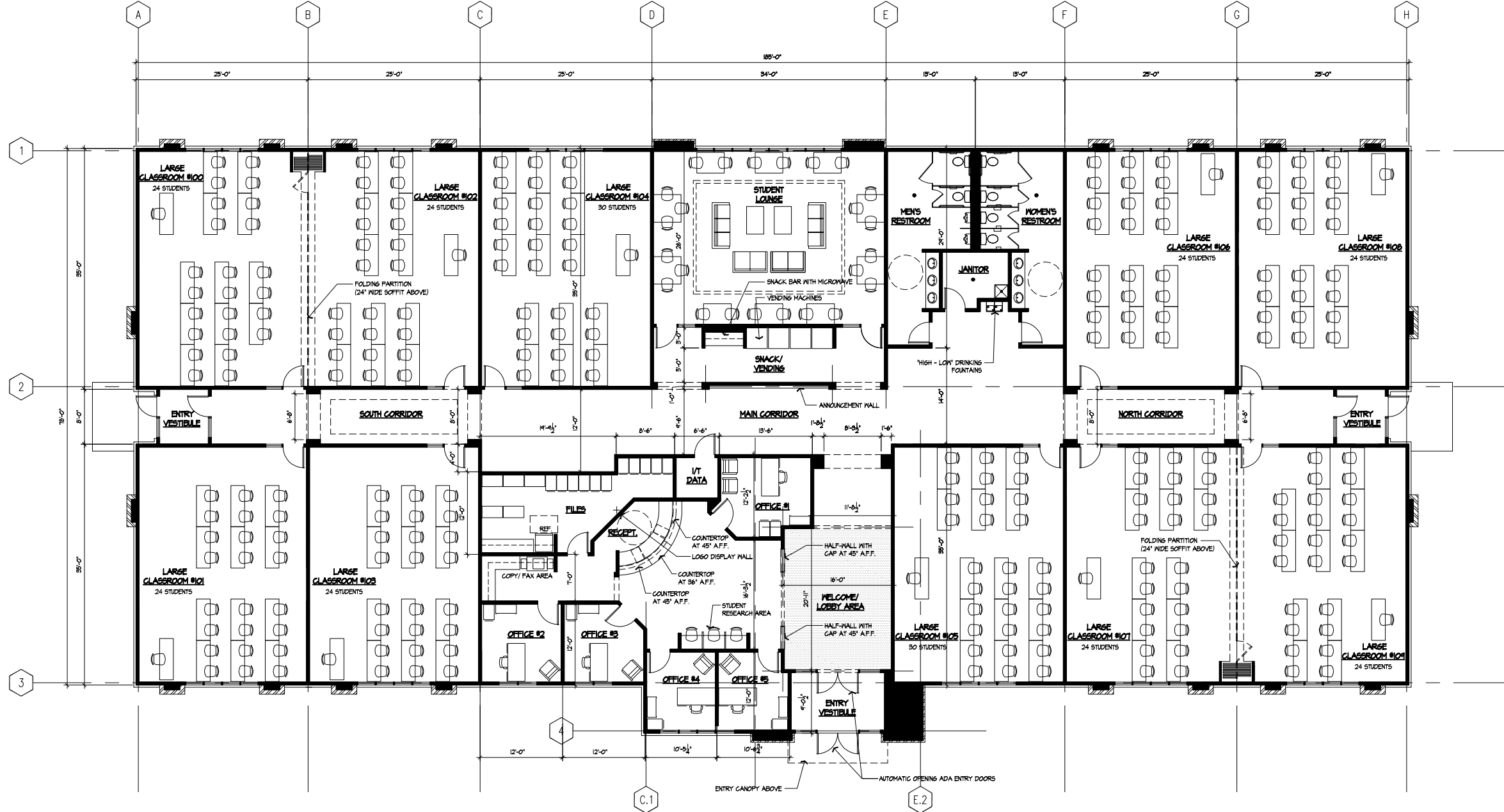
RESTORATION NOTES:
 ALL PVIOUSLY DISTURBED AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL, SEED AND MULCH. ALL PVIOUSLY DISTURBED AREAS SHALL RECEIVE FERTILIZER EXCEPT NATIVE PLANTING AREAS. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. WET DETENTION NATIVE SEED MIXTURES SHALL BE USED FOR THE BOTTOM OF THE DETENTION POND. SEED MIXTURES SHALL BE USED ON ALL OTHER DISTURBED AREAS. MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 630 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYEGRASS SHALL BE ADDED TO THE MIX.
 SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. MULCH SHALL CONSIST OF HAY OR STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE.
 FERTILIZER SHALL MEET THE MINIMUM REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 8%; POTASH, NOT LESS THAN 8%.

OWNER: RYAN BROTHERS AMBULANCE
 ATTN: ERIN RYAN
 922 SOUTH PARK STREET
 MADISON, WI 53715

ENGINEER: QUAM ENGINEERING, LLC
 ATTN: RYAN QUAM
 4604 SIGGELKOW ROAD, SUITE A
 MCFARLAND, WI 53558



RIFKEN GROUP - 1650 PANKRATZ STREET
 GRADING AND EROSION CONTROL PLAN
 SHEET: C-1.2
 DATED: APRIL 23, 2012



CONCEPTUAL FLOOR PLAN
 1/8" = 1'-0" 14637 S.F.

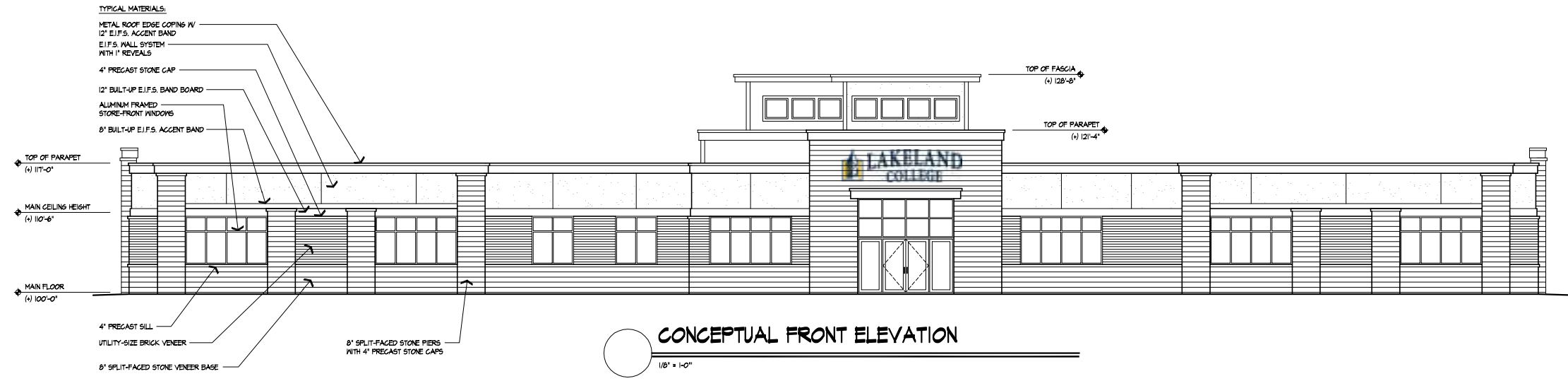
Lakeland College - Madison Campus
 1650 Pankratz Street
 Madison, WI



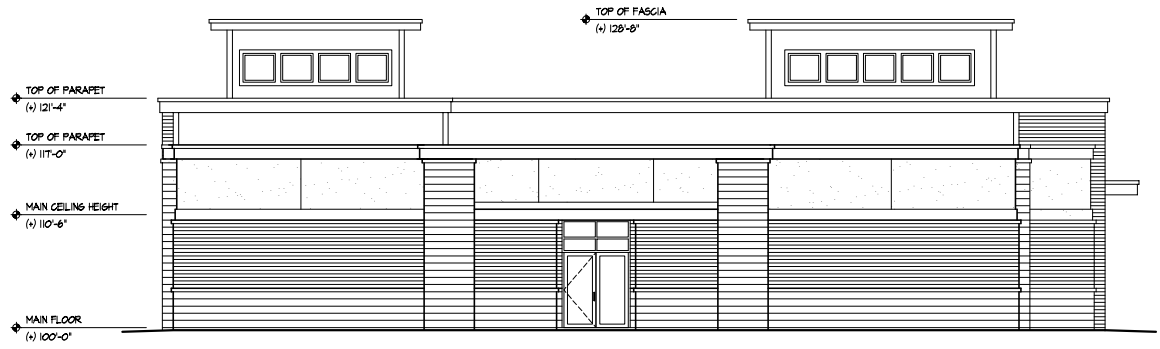
Plan Submittal Date	Permit Issued Date
Revision Schedule	

DRAWING NAME
 1/8" FLOOR PLAN
 DRAWN BY: PULVS
 DATE: 4/17/2012

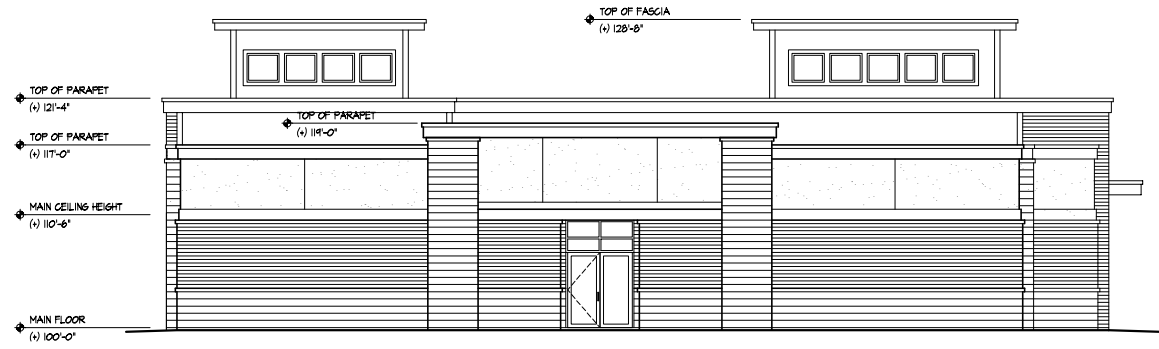
SHEET
A-1.1
 PROJ. # 212-020



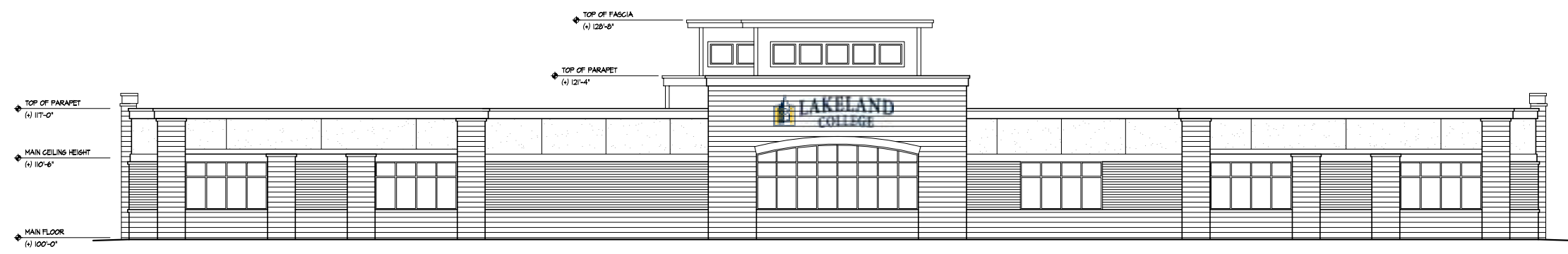
CONCEPTUAL FRONT ELEVATION
1/8" = 1'-0"



CONCEPTUAL SIDE ELEVATION
1/8" = 1'-0"



CONCEPTUAL SIDE ELEVATION - ALTERNATE #1
1/8" = 1'-0"



CONCEPTUAL REAR ELEVATION
1/8" = 1'-0"

Lakeland College - Madison Campus
1650 Pankratz Street
Madison, WI



Plan Submittal Date	Permit Issued Date
Revision Schedule	

DRAWING NAME
CONCEPTUAL ELEVATIONS
DRAWN BY: PULVS
DATE: 4/18/2012

SHEET
A-2.1
PROJ. # 212-020



SHEET

A front

DRAWING NAME: **LAKELAND COLLEGE | MADISON CAMPUS**
Pankratz Elevation

DRAWN BY: SP
DATE: 4.25.2012





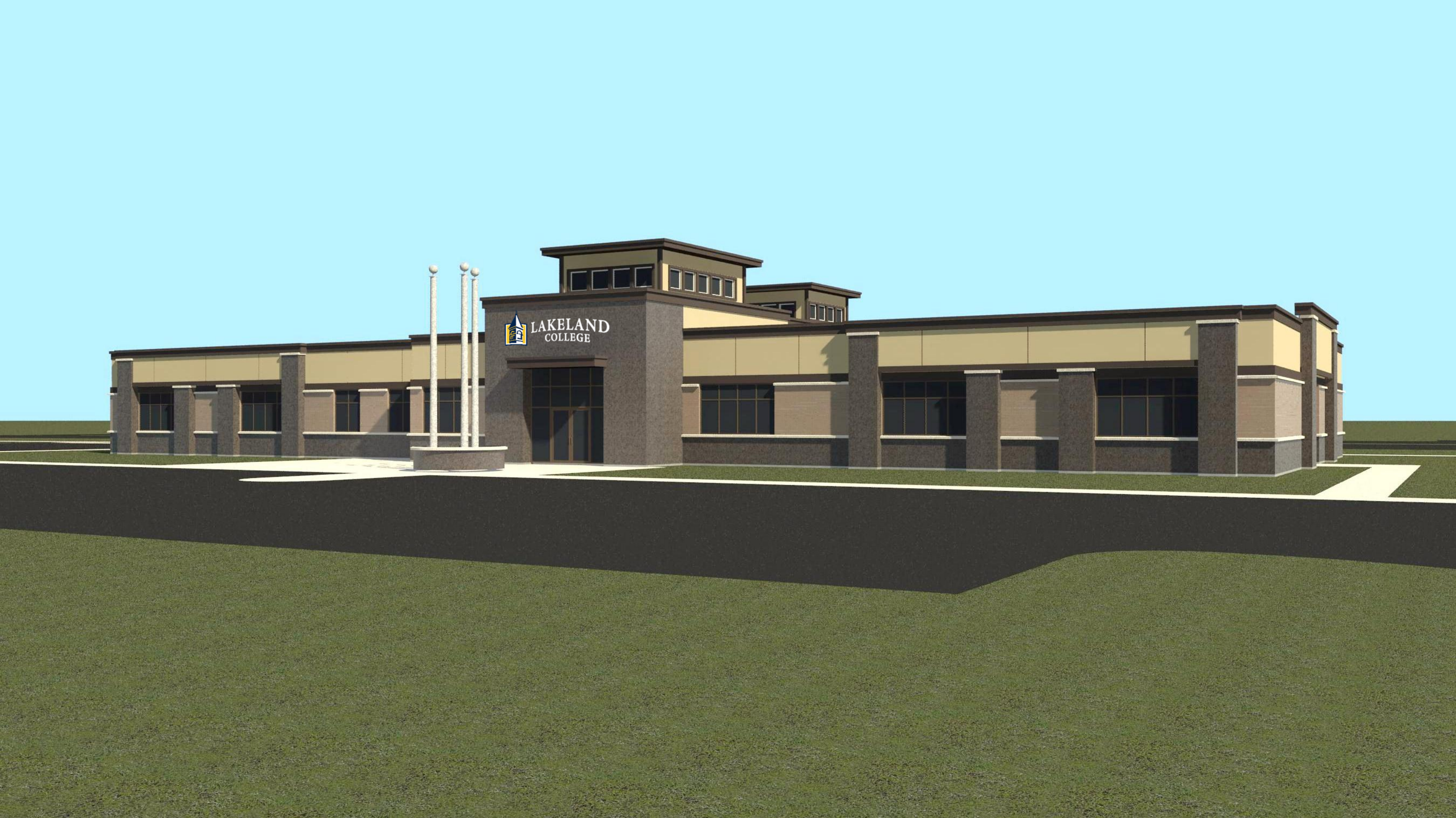
SHEET

B rear

DRAWING NAME: **LAKELAND COLLEGE | MADISON CAMPUS**
Packers Avenue

DRAWN BY: SP
DATE: 4.25.2012





SHEET

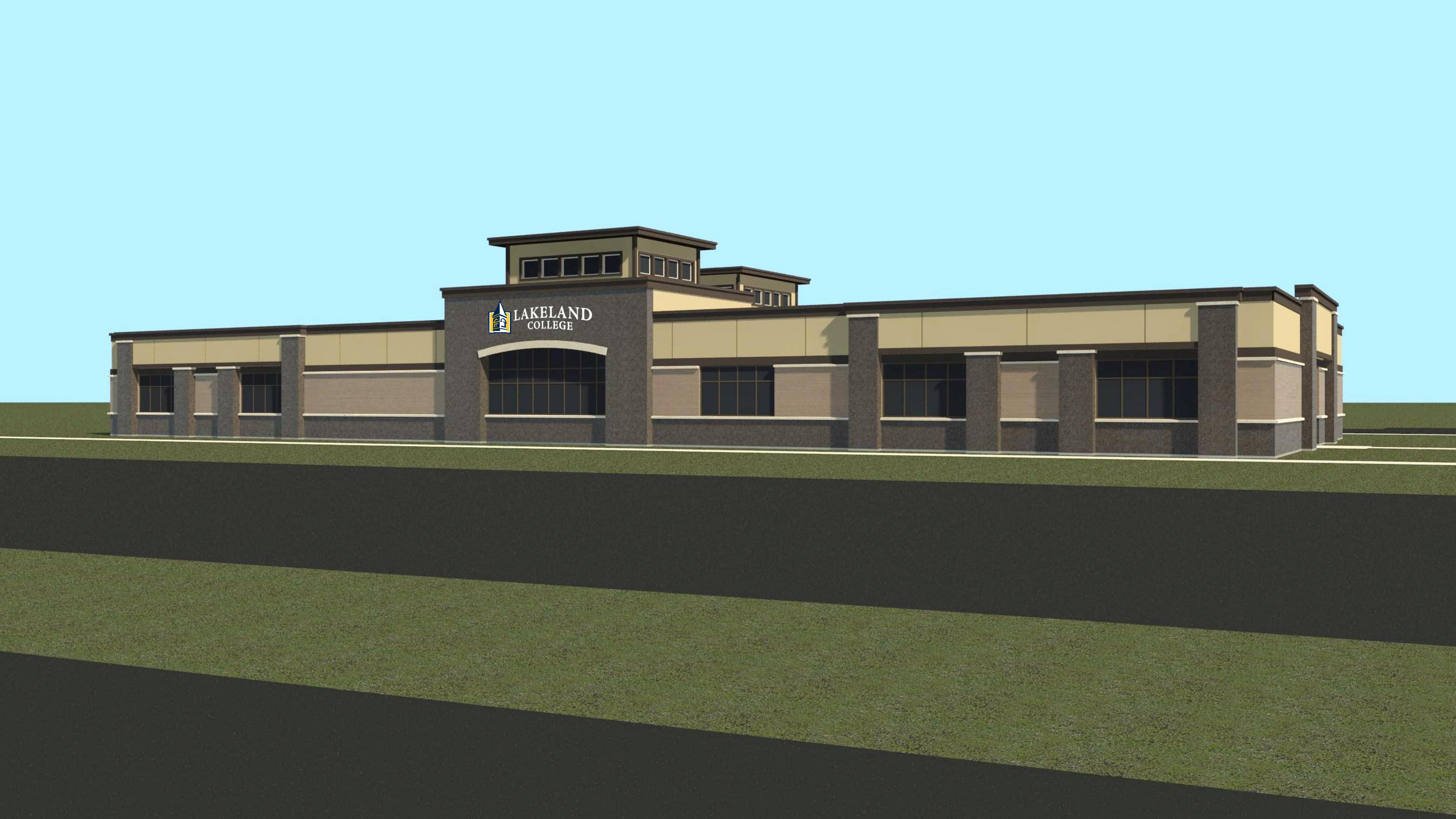
A front

DRAWING NAME:

LAKELAND COLLEGE | MADISON CAMPUS

DRAWN BY: SP
DATE: 4.25.2012





 LAKELAND
COLLEGE

SHEET

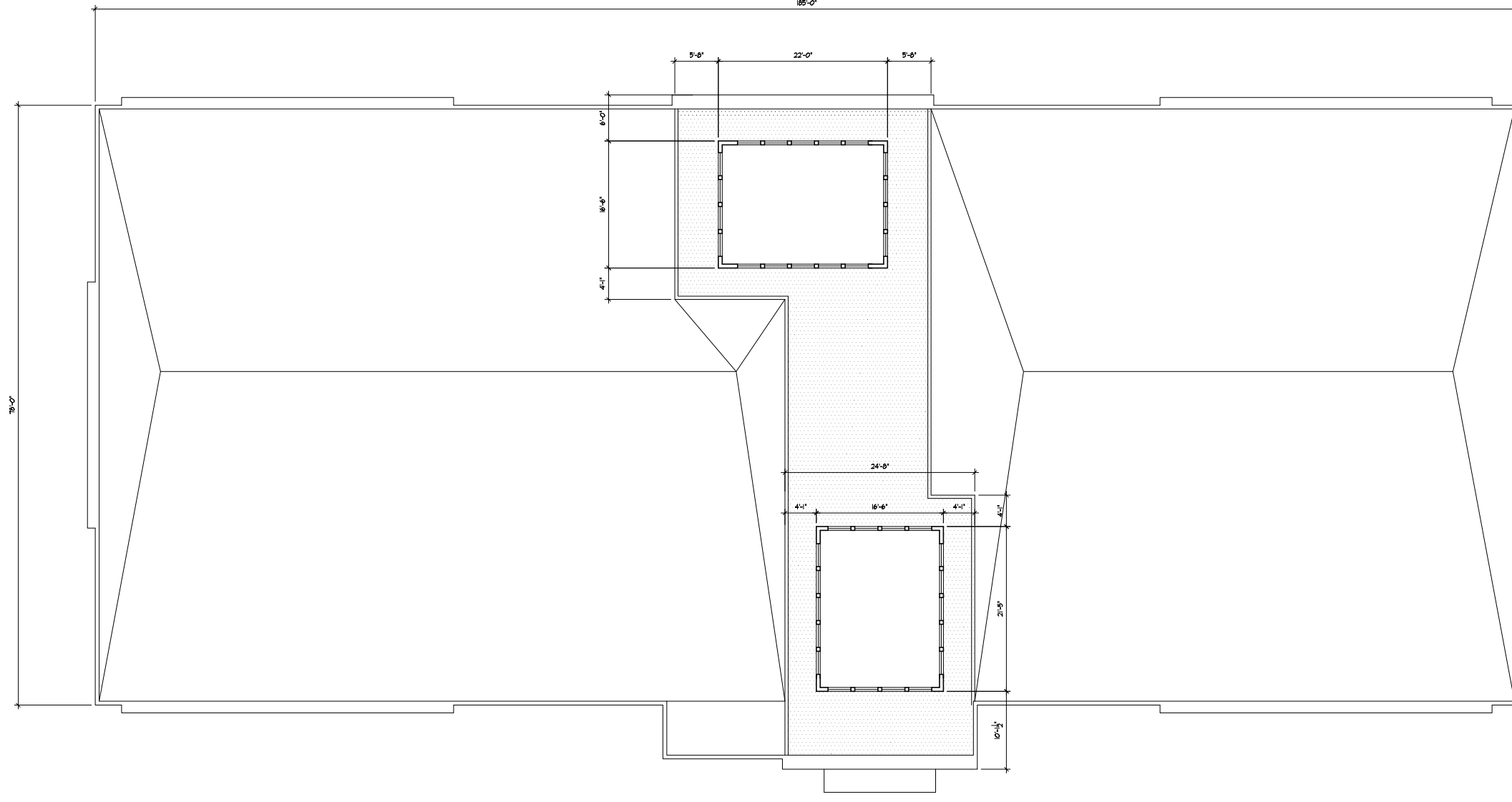
B rear

DRAWING NAME:

LAKELAND COLLEGE | MADISON CAMPUS

DRAWN BY: SP
DATE: 4.25.2012






CONCEPTUAL ROOF PLAN
 1/8" = 1'-0"

SHEET

A-6.1

PROJ. # 212-020

DRAWING NAME
1/8" ROOF PLAN

DRAWN BY: PULVS
DATE: 4/23/2012

Plan Submittal Date

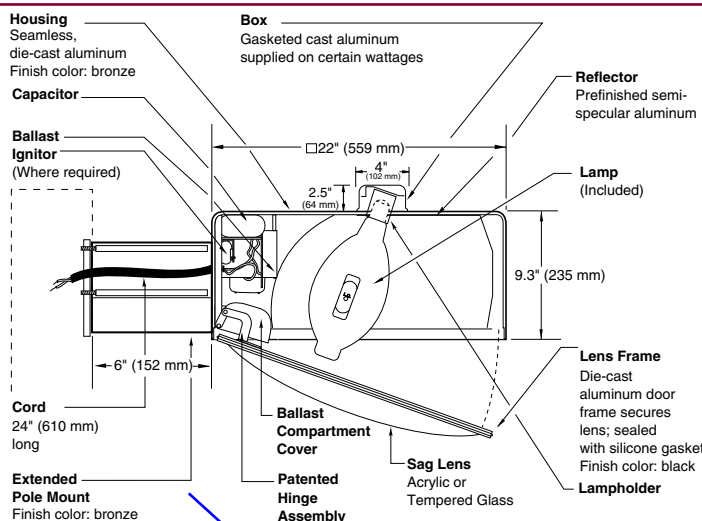
Revision Schedule

Permit Issued Date



Lakeland College - Madison Campus
 1650 Pankratz Street
 Madison, WI

22" (559 mm) VERTICAL FORWARD THROW LIGHT



TYPE OA & OA2
TO MATCH EXISTING FIXTURES

SPEC #	WATTAGE	CATALOG #	(a) VOLTAGE SUFFIX KEY
PULSE START METAL HALIDE			
	200W PSMH	VFT26920-(a)(b)	M 120/208/240/277V (Standard)
	250W PSMH	VFT26925-(a)(b)	T 120/277/347V (Canada Only) (Standard)
	300W PSMH	VFT26930-(a)(b)	1 120V
	320W PSMH	VFT26932-(a)(b)	2 277V
	350W PSMH	VFT26935-(a)(b)	27 277V Reactor (200 – 450W PSMH Only)
	400W PSMH	VFT26940-(a)(b)	3 208V
	450W PSMH	VFT26945-(a)(b)	4 240V
	750W PSMH	VFT2675-(a)(b)	5 480V
	875W PSMH	VFT2687-(a)(b)	6 347V (Canada Only)
	1000W PSMH	VFT2699-(a)(b)	
METAL HALIDE			
	250W MH	VFT2492-(a)(b)	
	400W MH	VFT2494-(a)(b)	
	1000W MH	VFT2499-(a)(b)	
HIGH PRESSURE SODIUM			
	250W HPS	VFT2592-(a)(b)	
	400W HPS	VFT2594-(a)(b)	

(b) OPTIONS (factory-installed)
-(a)F Fusing
-(a)P Button Photocell (N/A for 1000W w/120V; N/A for 480V)
-1P External Photocell (for 1000W/120V)
-5P External Photocell (for 480V)
Q Quartz Standby (includes 100W quartz lamp) (N/A on 277V Reactor)

Specify (a) Single Voltage — See Voltage Suffix Key

For voltage availability outside the US and Canada, see Bulletin TD-9 or contact your Ruud Lighting authorized International Distributor.

Specify (a) Voltage & (b) Options.

☉ 2-Level available – consult factory.

⊕ Reduced envelope lamp; ED28 for 300 through 400W PSMH and 400W MH; BT37 for 450, 875 and 1000W PSMH and 1000W MH.

GENERAL DESCRIPTION

70° main beam forward throw luminaire for 20° from vertical HID lamp, totally enclosed. Optics provide precise control with low nadir candle-power. Housing is seamless die-cast aluminum. Gasketed, cast aluminum box supplied on top of 750, 875 and 1000W PSMH, 1000W MH, 250 and 400W HPS housing for tilted lamp clearance. Lens assembly consists of a rigid die-cast aluminum frame and clear acrylic sag lens (tempered glass on 450, 750, 875 and 1000W PSMH and 1000W MH). Mounting consists of a 1.8" (44 mm) wide by 4.5" (114 mm) high by 6" (152 mm) long extruded aluminum arm. The arm is held in place by two 3/8" (9 mm) mounting studs fastened to a steel backing plate inside the pole, and by two nuts inside the fixture housing. Mounting rods are provided with sealing washers to prevent leakage.

ELECTRICAL

Fixture includes a clear, mogul-base lamp. 300 through 400W PSMH and 400W MH utilize the ED28 reduced envelope lamp. 450, 875 and 1000W PSMH and 1000W MH utilize the BT37 reduced envelope lamp. Pulse-rated porcelain enclosed, 4kv (5kv for 750 & 1000W PSMH) rated screw-shell-type lampholder with spring-loaded center contact and lamp grips. Lamp ignitor included where required. All ballast assemblies are high-power factor and use the following circuit type:

Reactor (277V PSMH)
200 – 450W PSMH

CWA — Constant Wattage Autotransformer
200 – 1000W PSMH; 250 – 1000W MH;
250 – 400W HPS

PATENTS

US 4,689,729

FINISH

Exclusive DeltaGuard® finish features an E-coat epoxy primer with medium bronze ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP54 per IEC 529 and IEC 598.

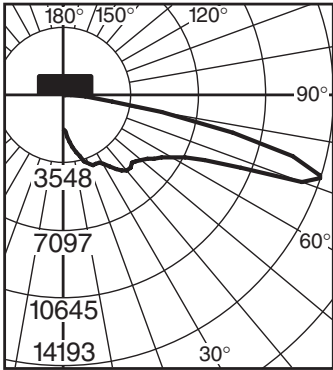
ACCESSORIES

SBL-22 Backlight Shield

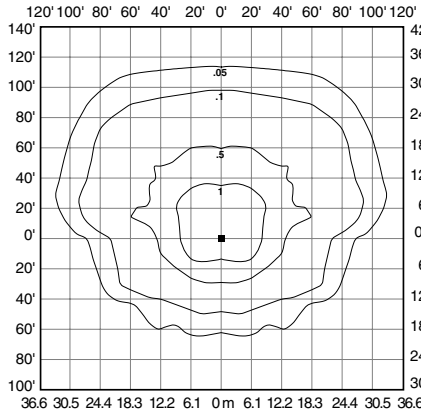
EPA RATING

EPA for 250 & 400W MH = 1.73; EPA for 250 & 400W HPS and 1000W MH = 1.79

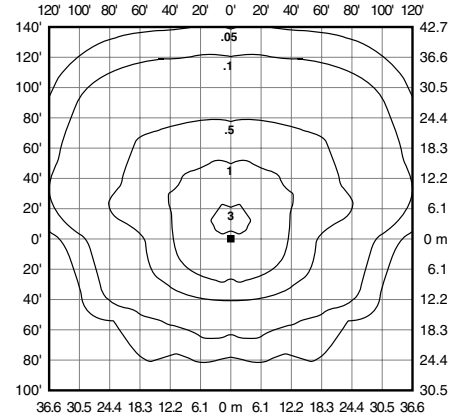
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



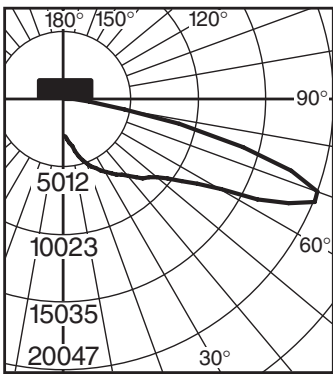
Independent Testing Laboratories
Certified Test Report No. ITL 40797
Candlepower distribution curve of 400W MH
Vertical Forward Throw Light.



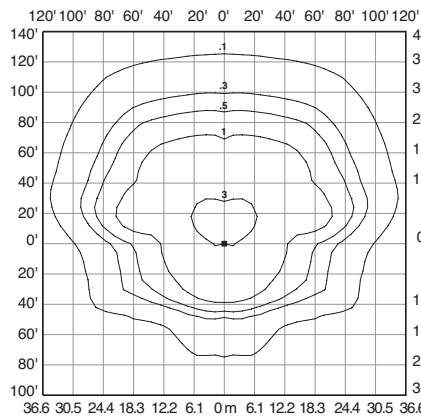
Isofootcandle plot of one 250W MH Vertical
Forward Throw Light at 25' (7.6 m) mounting
height and 0° vertical tilt. (Plan view)



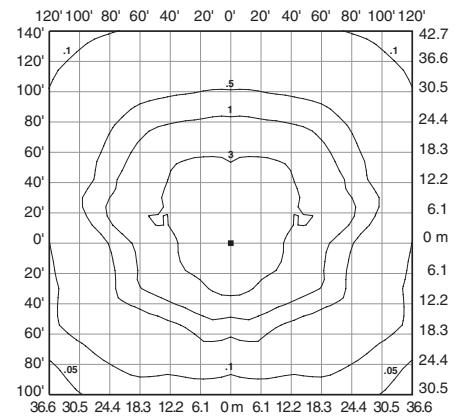
Isofootcandle plot of one 400W MH Vertical
Forward Throw Light at 30' (9.1 m) mounting
height and 0° vertical tilt. (Plan view)



Lighting Sciences Inc.
Certified Test Report No. LSI 13845
Candlepower distribution curve of 400W PSMH
Vertical Forward Throw Light.

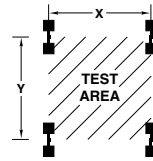


Isofootcandle plot of one 400W PSMH Vertical
Forward Throw Light at 30' (9.1 m) mounting
height and 0° vertical tilt. (Plan view)



Isofootcandle plot of one 1000W PSMH Vertical
Forward Throw Light at 30' (9.1 m) mounting
height and 0° vertical tilt. (Plan view)

Pole-spacing Example Data



Test area is centered within a (16) pole layout.

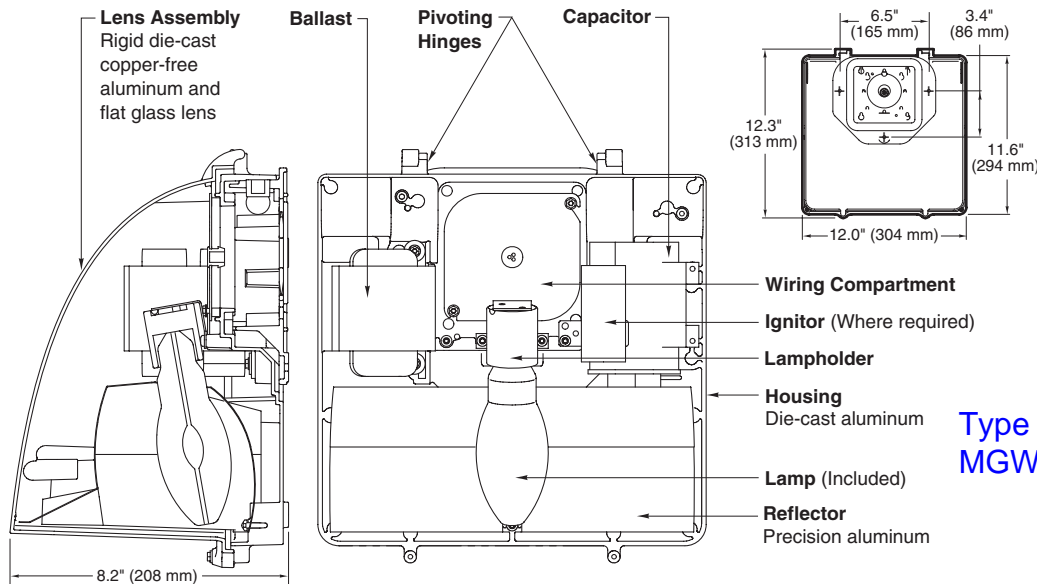
Average Initial Light Levels at Grade
(Footcandles ÷ 0.0929 = Lux)

Catalog #	Lamp Type	Lamp Lumens	Pole Height	Max. Recommended Pole-spacing		Footcandles	Lux
				X	Y		
VFT2492	250W MH	19,950	25' (7.62 m)	150' (45.7 m)	150' (45.7 m)	2.42	26
			30' (9.14 m)	180' (54.9 m)	180' (54.9 m)	1.52	16
VFT2494	400W MH	34,200	30' (9.14 m)	100' (30.5 m)	120' (36.6 m)	3.93	42
			35' (10.7 m)	125' (38.1 m)	150' (45.7 m)	2.47	27
VFT2499	1000W MH	104,500	35' (10.7 m)	210' (64.0 m)	210' (64.0 m)	3.69	40
			40' (12.2 m)	240' (73.1 m)	240' (73.1 m)	2.89	31
VFT2592	250W HPS	28,500	25' (7.62 m)	150' (45.7 m)	150' (45.7 m)	3.22	35
			30' (9.14 m)	180' (54.9 m)	180' (54.9 m)	1.99	21
VFT2594	400W HPS	50,000	30' (9.14 m)	180' (54.9 m)	180' (54.9 m)	2.55	27
			35' (10.7 m)	210' (64.0 m)	210' (64.0 m)	1.85	20

DIRECT MOUNT

12" FULL CUTOFF WALL PACK

**GWCO-12
SERIES**



Type OW
MGWC0407-M

SPEC #	WATTAGE	CATALOG #
PULSE START METAL HALIDE		
	125W PSMH	MGWC0612-(a)(b)
	150W PSMH	MGWC0615-(a)(b)
METAL HALIDE		
	50W MH	MGWC0405-(a)(b)
	70W MH	MGWC0407-(a)(b)
	100W MH	MGWC0410-(a)(b)
	175W MH	MGWC0417-(a)(b)
HIGH PRESSURE SODIUM		
	35W HPS	MGWC0503-(a)(b)
	50W HPS	MGWC0505-(a)(b)
	70W HPS	MGWC0507-(a)(b)
	100W HPS	MGWC0510-(a)(b)
	150W HPS	MGWC0515-(a)(b)

Specify (a) Voltage & (b) Options.

(a) VOLTAGE SUFFIX KEY	
D	120/277V (Standard: 125W PSMH; 50 – 100W MH; 50W HPS)
M	120/208/240/277V (Standard: 150W PSMH; 175W MH; 70 – 150W HPS)
T	120/277/347V (Canada Only) (Standard: 150W PSMH; 70 – 175W MH; 70 – 150W HPS)
1	120V (Standard: 35W HPS)
2	277V
27	277V Reactor (150W PSMH Only)
3	208V
4	240V
5	480V (175W MH; 70 – 150W HPS)
6	347V (Canada Only)

For voltage availability outside the US and Canada, see Bulletin TD-9 or contact your Ruud Lighting authorized International Distributor.

(b) OPTIONS (factory-installed)	
-(a)F	Fusing
-(a)P	Button Photocell
Q	Quartz Standby (includes 100W quartz lamp) (N/A on 277V Reactor)

Specify (a) Single Voltage — See Voltage Suffix Key

GENERAL DESCRIPTION

Full Cutoff Wall Pack fixture for HID lamp, totally enclosed. Housing is seamless copper-free die-cast aluminum. Lens assembly consists of a hinged, rigid die-cast copper-free aluminum frame and clear borosilicate glass lens held securely inside. Lens frame is easily removable and allows for easy attachment and serviceability using top pivoting hinge. Complete silicone gasketing around lens and gasketing at mounting provide a watertight seal. A precision specular aluminum reflector provides forward throw with wide distribution to ensure wide fixture spacings and maximum light levels. Fixture design provides excellent IES Full Cutoff light distribution without glare. The optical chamber is sealed to reduce dirt and insect contamination. Furnished with e-coated, copper-free, lightweight mounting box designed for installation over standard 4-inch square or octagonal and single-gang J boxes and for conduit entry from top, sides and rear. Designed and approved for easy through-wiring. All fixtures use vertical-lamp position.

ELECTRICAL

Fixture includes clear, medium-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder. Lamp ignitor included where required. Fixtures require a minimum 90°C temperature feed wire. All ballast assemblies are high-power factor and use the following circuit types:

Reactor (277V PSMH)
150W PSMH

Reactor
120V: 35 – 150W HPS

HX — High Reactance
50 – 100W MH; 50 – 150W HPS

CWA — Constant Wattage Autotransformer
125 & 150W PSMH; 175W MH

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in the US and Canada for wet locations.

FINISH

Exclusive Colorfast DeltaGuard™ finish features an E-coat epoxy primer with medium bronze ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.

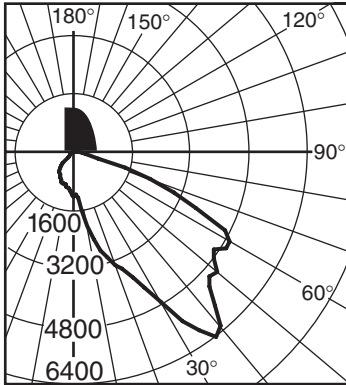
PATENTS

6,867,959 and Patents Pending.

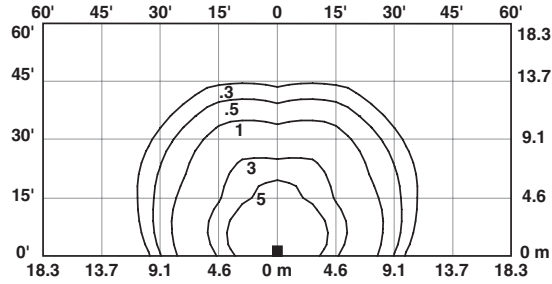
ACCESSORIES

PC-1	Button Photocell (for fixtures set to 120V)
PC-2	Button Photocell (for fixtures set to 208, 240, 277V)
PC*6	Button Photocell (for fixtures set to 347V)

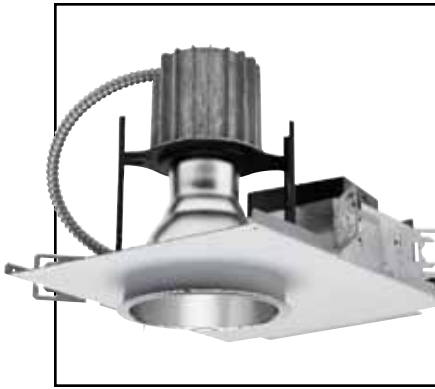
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



**Candlepower Distribution Curve of 175W MH
12" AeroDome Full Cutoff Wall Pack.**



**Isofootcandle plot of one 175W MH
12" AeroDome Full Cutoff Wall Pack at 15' (4.6 m)
mounting height (plan view).**



Featuring **VirtualSource** Reflectors

6" Vertical One Lamp MH Open & Wall Wash Downlight **RHD601**

One 50W, 70W, or 100W
ED17 Medium Base MH Lamp
120V, 277V, 347V, or Multi Voltage
120-277V

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____



Ceiling Cutout: 6 1/4"
Maximum Ceiling Thickness: 1 1/4"
For conversion to millimeters,
multiply inches by 25.4
Not to Scale

APPLICATIONS:

The Architektür RHD601 Series offers an open rated metal halide downlight and wall wash fixture that provides superior brightness and glare control. Available in three different wattages, this luminaire is ideal for a wide variety of high ceiling applications including commercial, retail, hospitality and atrium areas. The RHD601 Series is compatible with the Signos6 family of architectural elements.

HOUSING:

One-piece 18 gauge galvaneal steel plaster flange. Diecast aluminum heat sink. Prewired J-box. Thermal protector.

REFLECTOR:

High purity aluminum Alzak reflector. Self-trim standard. Painted white self-trim available.

BALLAST:

Electronic ballast included with housing. Accessible from below ceiling. See reverse side for ballast data.

LAMP:

One (1) 50W, 70W, or 100W MH ED17 open-rated coated lamp. Lamp furnished by others.

SOCKET:

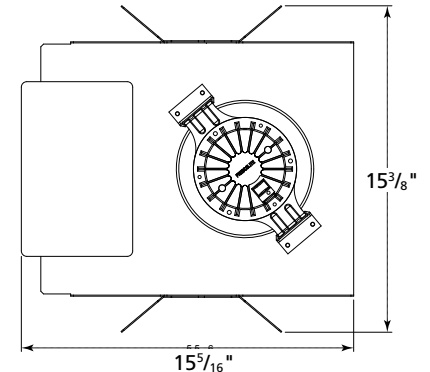
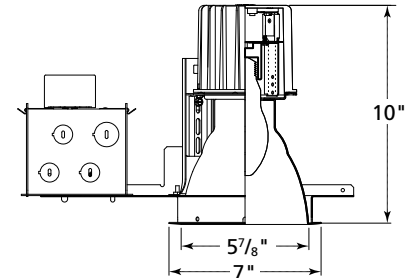
Protected two-position medium base porcelain socket with nickel plated screw shell. Protected socket prevents standard metal halide lamps from being used. Two-position socket allows for greater optical control and flexibility.

INSTALLATION:

Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

LABELS:

UL, CSA listed for damp locations
Approved for through wiring
Thermally protected
Non-IC rated



CATALOG NUMBER:

EXAMPLE: RHD60150EB120VQR STH602QR

HOUSINGS	VOLTAGE	HOUSING OPTIONS	REFLECTOR	REFLECTOR FINISH	REFLECTOR OPTIONS	ACCESSORIES
<input type="checkbox"/> RHD60150EB³ 6", (1) 50W ED17 MH open-rated fixture electronic ballast.	<input type="checkbox"/> 120V <input type="checkbox"/> 277V <input type="checkbox"/> 347V <input type="checkbox"/> 120-277V Multi Voltage	<input type="checkbox"/> DCB² Auxiliary socket (Contact technical support)	<input checked="" type="checkbox"/> STH602 6" Alzak reflector	<input type="checkbox"/> Blank Specular <input type="checkbox"/> SS Semi-Specular <input type="checkbox"/> MFC American Matte™	<input type="checkbox"/> WT Painted white self-flange <input type="checkbox"/> BC¹ Painted black cone <input type="checkbox"/> WC¹ Painted white cone <input type="checkbox"/> BB¹ Painted black baffle <input type="checkbox"/> WB¹ Painted white baffle <input type="checkbox"/> WW Wall wash reflector <input type="checkbox"/> DCB Auxiliary socket (Contact technical support) <input type="checkbox"/> QR Quartz restrike (Contact technical support) <input type="checkbox"/> TRG Trim Ring Gasket (factory installed)	<input type="checkbox"/> B24 Set of two (2) 24" bar hangers for T-bar ceilings <input type="checkbox"/> B6 Set of two (2) bar hangers for ceiling joists up to 24" centers <input type="checkbox"/> FSDFI Fuse kit for field installation <input type="checkbox"/> SCA6D Sloped ceiling adapter (see note on back page) <input type="checkbox"/> Signos6 (Contact technical support)
<input checked="" type="checkbox"/> RHD60170EB 6", (1) 70W ED17 MH open-rated fixture electronic ballast.		<input type="checkbox"/> FSDFA Fuse kit installed at factory <input type="checkbox"/> QR² Quartz restrike (Contact technical support)		REFLECTOR COLOR <input type="checkbox"/> Blank Clear Alzak <input type="checkbox"/> CG Champagne Gold Alzak <input type="checkbox"/> BL Black Alzak <input type="checkbox"/> WE Wheat Alzak <input type="checkbox"/> LW Light Wheat Alzak <input type="checkbox"/> PW Pewter Alzak		
<input type="checkbox"/> RHD601100EB 6", (1) 100W ED17 MH open-rated fixture electronic ballast.						

¹ Not available with MFC or Semi-Specular finish

² Must order QR or DCB reflector option

³ Multi Voltage not available

PHOTOMETRIC DATA

Architektur - 6" Vertical MH Open & Wall Wash Downlight - RHD601

BALLAST DATA	50W		70W		100W	
	120V	277V	120V	277V	120V	277V
Power Factor	>90%	>90%	>90%	>90%	>90%	>90%
Regulation:	Line Voltage		Line Voltage		Line Voltage	
	±10%	±10%	±10%	±10%	±10%	±10%
	Output Wattage		Output Wattage		Output Wattage	
	±.5%	±.5%	±.5%	±.5%	±.5%	±.5%
Min. Ambient Starting Temp.	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C
Input Watts	56W	55W	84W	80W	115W	113W
Input Amps	.47 amp	.20 amp	.68 amp	.30 amp	.93 amp	.40 amp
Sound Rating	A	A	A	A	A	A

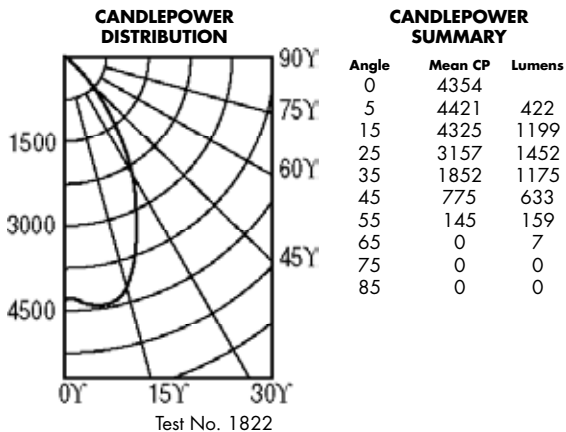
LAMP DATA	ED17		
Rated Watts	50W	70W	100W
Rated Lumens	3,400	5,700	8,500
Efficacy (LPW)	68	81	85
Rated Life	10,000	12,000	15,000
CRI	70	70	70

RHD601 100EB STH602 Specular Clear Reflector

100W ED17 Lower Socket Position

Spacing Criteria: 1.0

Efficiency: 59.4%



AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

100W ED17

SPACING	RCR1	RCR3	RCR7
8.0	61	52	39
9.0	48	41	31
10.0	39	33	25
11.0	32	27	20
12.0	27	23	17

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance																
	80%		70%		50%		30%		10%								
	% 20% Effective Floor Cavity Reflectance																
% Wall Reflectance																	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10			
1	.68	.66	.65	.63	.66	.65	.64	.62	.62	.61	.60	.60	.59	.59	.58	.58	.57
2	.65	.62	.60	.58	.63	.61	.59	.57	.59	.57	.56	.57	.56	.55	.56	.55	.54
3	.62	.58	.55	.53	.60	.57	.55	.53	.56	.54	.52	.54	.53	.51	.53	.52	.50
4	.59	.55	.52	.49	.58	.54	.51	.49	.53	.50	.48	.52	.50	.48	.50	.49	.47
5	.56	.51	.48	.46	.55	.51	.48	.45	.50	.47	.45	.49	.46	.45	.48	.46	.44
6	.53	.48	.45	.43	.52	.48	.45	.42	.47	.44	.42	.46	.44	.42	.45	.43	.41
7	.50	.45	.42	.39	.50	.45	.42	.39	.44	.41	.39	.43	.41	.39	.43	.40	.39
8	.48	.42	.39	.37	.47	.42	.39	.36	.41	.38	.36	.41	.38	.36	.40	.38	.36
9	.45	.40	.36	.34	.45	.39	.36	.34	.39	.36	.34	.38	.35	.33	.38	.35	.33
10	.43	.37	.34	.31	.42	.37	.34	.31	.36	.33	.31	.36	.33	.31	.35	.33	.31

RHD601 100EB-STH602

Test No. 1822

NOTES

☉ Denotes a Virtual Source reflector.

The DCB option uses a quartz T4 lamp to provide emergency light during power outages. The DCB socket must be field wired into an auxiliary emergency power supply circuit for emergency use.

The QR option uses a quartz T4 lamp to provide light continuously during cold start or hot restrike until the HID lamp is at approximately 25-50% or more of its rated light output.

When ordering a sloped ceiling adapter, specify the degree of slope in 5° increments (max of 35°). For a more precise degree or wet ceiling application, please contact factory. The SCA must be installed during housing installation.



Web: www.prescolite.com • Tech Support: (888) 777-4832

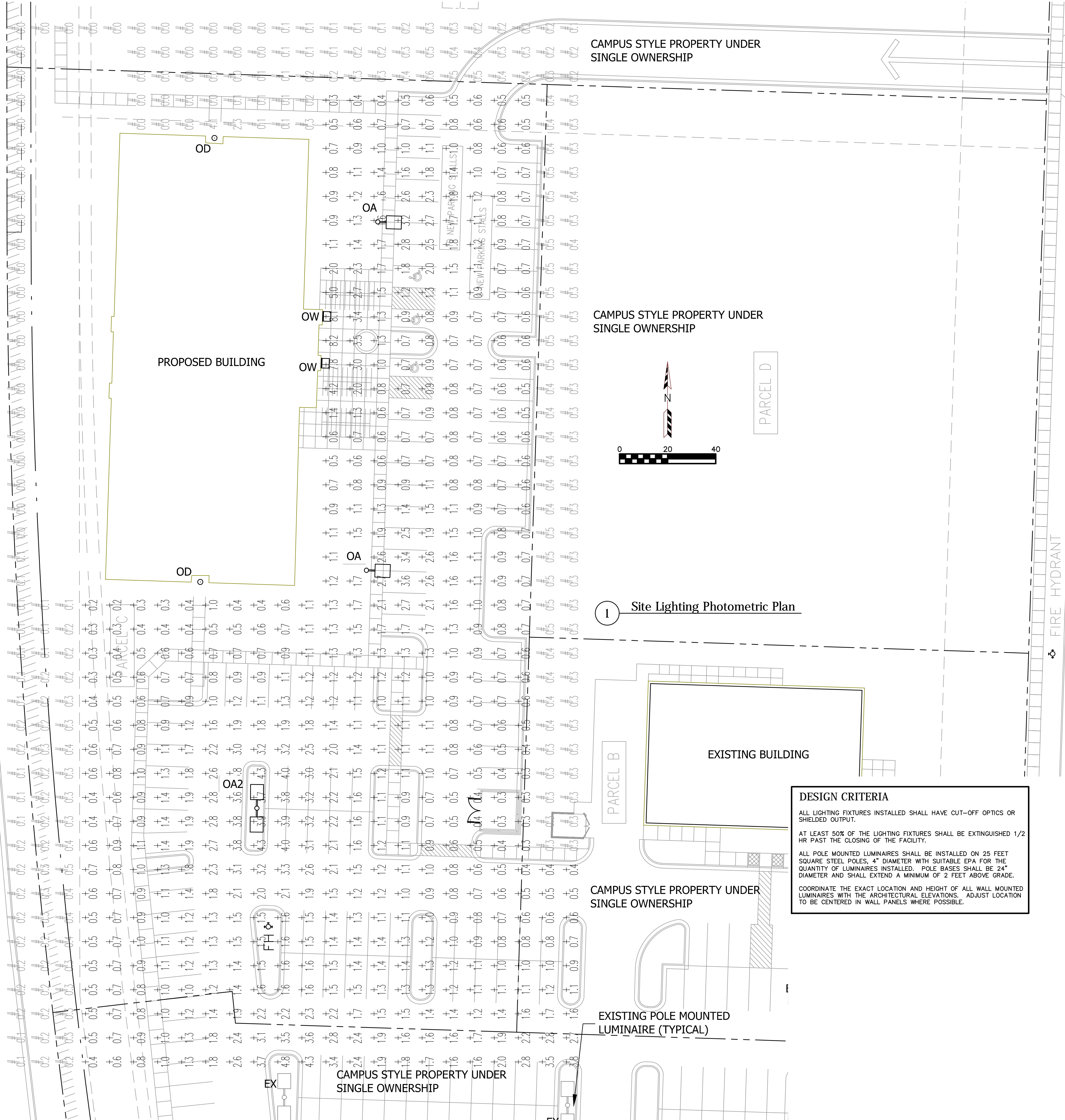
201 Millennium Blvd. • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000

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Specifications subject to change without notice. • Printed in U.S.A. • ARCH-HID-032 • 12/1/11



Hubbell Lighting, Inc.



1 Site Lighting Photometric Plan

DESIGN CRITERIA

ALL LIGHTING FIXTURES INSTALLED SHALL HAVE CUT-OFF OPTICS OR SHIELDED OUTPUT.

AT LEAST 50% OF THE LIGHTING FIXTURES SHALL BE EXTINGUISHED 1/2 HR PAST THE CLOSING OF THE FACILITY.

ALL POLE MOUNTED LUMINAIRES SHALL BE INSTALLED ON 25 FEET SQUARE STEEL POLES, 4" DIAMETER WITH SUITABLE EPA FOR THE QUANTITY OF LUMINAIRES INSTALLED. POLE BASES SHALL BE 24" DIAMETER AND SHALL EXTEND A MINIMUM OF 2 FEET ABOVE GRADE.

COORDINATE THE EXACT LOCATION AND HEIGHT OF ALL WALL MOUNTED LUMINAIRES WITH THE ARCHITECTURAL ELEVATIONS. ADJUST LOCATION TO BE CENTERED IN WALL PANELS WHERE POSSIBLE.

LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	QUANTITY	LAMPS
OA	RUUD LUMARK LITHONIA	VFT2-6932-M	CUTOFF AREA LIGHT - TO MATCH EXISTING FIXTURES. PROVIDE FUSE-HOLDERS IN POLE BASE. MOUNTED ON 25 FEET SQ. STEEL POLE	1	MH320/U/PS
OA2	RUUD LUMARK LITHONIA	VFT2-6932-M	SAME AS TYPE OA - TWIN HEADS @ 180 DEG.	2	MH320/U/PS
OD	PRESCOLITE LUMARK LITHONIA	RHD601-STH602	6" DIAMETER RECESSED HID DOWNLIGHT WITH CLEAR ALZAK LENS	2	MH70/U/PS
OW	RUUD LUMARK LITHONIA	MGWC0407-D	12" FULL CUTOFF SECURITY LIGHT WALL MOUNTED 10 FEET A.F.F. CONFIRM EXACT LOCATION WITH ELEVATIONS & ARCHITECT	7	MH70/U/PS

- NOTES
- ARROWS INDICATE DIRECTION OF OPTICS WITHIN THE FIXTURE HOUSING.
 - ALL POLE MOUNTED FIXTURES SHALL HAVE CUT-OFF OPTICS.
 - CATALOG NUMBERS DERIVED FROM RUUD LIGHTING, EQUALS BY LUMARK OR LITHONIA ARE ACCEPTABLE.

POINT BY POINT CALCULATION SUMMARY				
AREA NAME	AREA DESCRIPTION	AVERAGE	MAXIMUM	MINIMUM
PARKING +	PARKING LOT FOR EDUCATION FACILITY HORIZONTAL CALCULATION ON PAVEMENT VALUES LISTED ARE MAINTAINED FOOTCANDLES	1.3	8.2	0.2

POINTS INDICATED WITH # AND GRAY ARE SHOWN FOR REFERENCE ONLY AND ARE NOT INCLUDED IN THE CALCULATION ABOVE.

SHEET
E0.1a

JOB NUMBER
12021

DRAWN BY: FAR

SCALE: 1" = 20'-0"

DATE: 04/11/2012

REVISIONS:

UDC-04-24-2012

Electric Construction inc.
Electrical Design, Contracting & Consulting

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