

**APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL**

AGENDA ITEM # _____

Project # _____

DATE SUBMITTED: <u>29 July 2009</u>	Action Requested
UDC MEETING DATE: <u>5 Aug 2009</u>	<input type="checkbox"/> Informational Presentation
	<input checked="" type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 7017 Mineral Point Road

ALDERMANIC DISTRICT: 9 - Paul Skidmore

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:
CBL and Associates Properties, Inc. Ka, Inc., Christine Meske, ASLA
CBL Center, 2030 Hamilton Pl. #500 1468 W. 9th St. #600
Chattanooga, TN 37421 Cleveland, OH 44113

CONTACT PERSON: Chris Meske
Address: (same as)
Phone: 216.781.2904
Fax: 216.781.6566
E-mail address: cmeske@kainc.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 - Conditional Use (project is zoned C3L)

(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.

July 29, 2009

Urban Design Commission
City of Madison, Wisconsin
215 Martin Luther King Jr. Boulevard, Room LL-100
Madison, Wisconsin 53701-2985

Re: Proposed Development at 7017 Mineral Point Road
Initial and Final Approval Submittal – Letter of Intent
ka/jn: 09007-01

Dear Urban Design Commission Members:

On behalf of CBL and Associates Properties, Inc., it is our pleasure to submit to you our application package for appearance at the August 5, 2009 UDC meeting to seek Initial and Final Approvals from the Commission.

As the programming, tenants and use of the proposed building have not changed, this Letter of Intent will simply outline the revisions to the site plan, landscape plan and building design. These revisions are being presented in response to comments received at our last appearance before the Commission on July 15.

Site and Landscape Plans

- *Add more bike racks closer to building entries; consider "hitching post" style racks to save space; include cut sheets of proposed bike rack.*

Six more spaces were added to the east side of the building—three each in proximity to the buildings' primary entry points. There are now sixteen 6'x2' spaces provided on the proposed development. The bike parking spaces will each be outfitted with a Dero Bike Hitch, which allows flexible and efficient bike parking. Each rack can hold two bikes.

- *Don't bring crosswalks to curb ramps at an angle. Better organize the pedestrian connections and ADA access.*

The ramp configurations were modified to be perpendicular to the curb. The pedestrian connection to Gammon Road was shifted north to accommodate a ramp that meets the curb at 90-degrees.

- *Tighten curb radii at corners of building pad to promote traffic calming.*

For consistency, the curb radii were adjusted to match the design of the neighboring parking end islands: 10' on west side of building, 8' on east side. The sidewalks at each corner were re-designed to create room for landscape areas that will house boulders and ornamental grasses to keep cars from "jumping" the curb, thus protecting pedestrians at the sidewalk level.

- *Landscaping should be more special. Use material that has more height, shape and color.*

More new landscaping is proposed to provide interest and color, particularly at the very prominent northeast corner, where the pedestrian ramp meets the intersection. Material was selected to tolerate site conditions while providing seasonal color, buffering and enhancement to existing material to remain. A rock outcropping will be added to the northeast corner to create distinct planting areas and a "gateway" look.

- *Add honeylocust and understory landscaping along the Smashburger patio to provide more screening from the parking area.*

The building was shifted south, thus widening the planting area to approximately ten feet. There is now ample room for proposed Skyline Honeylocust trees, an evergreen hedge and abundant perennials and ornamental grasses that will create lush landscaping along the outdoor dining area.

Building Design

- *Design is too neutral, too safe and too traditional.*

The forms, colors and materials were updated to be bolder, more modern and more out-of-the-ordinary. The tower at the retail space employs an asymmetrical form in a prominent copper color to punctuate the south corner of the building, while providing balance to the Smashburger tower at the north end. The use of metal panels broadens the elevations' palette of colors, while bringing clean lines and a sleeker appearance to the design.

- *Tower feature and detail along top of building looks too much like cornices. Put a different "hat" on the building.*

The south tower now features a metal soffit in non-traditional proportions that will emphasize the building's unique character. Metal coping along the top of the building will provide a finish detail that is flush to the face of the building, again representing a non-traditional style that steers clear of the cornice look so typical of suburban retail developments.

- *Proportions of retail space's architecture too traditional.*

Proportions have been adjusted to be more like Smashburger, with glazing reaching above the canopy level.

- *Smashburger too different from rest of the building. Carry either materials or forms throughout, without branding the entire building in Smashburger's look.*

Forms and colors were used to balance the building from north to south. The Smashburger brick is also used on the retail facade to help intermingle the design of both.

- *Lessen the use of EIFS. Bring the higher quality materials into the design even more.*

Most of the EIFS was replaced with flat and corrugated metal panels, brick and cast stone accent bands.

July 29, 2009
Urban Design Commission - City of Madison, Wisconsin
ka/jn: 09007-01
Page 3

We look forward to presenting the revised design to the UDC next week. In the meantime, if you would like to discuss or have questions, please do not hesitate to contact us.

Very truly yours,

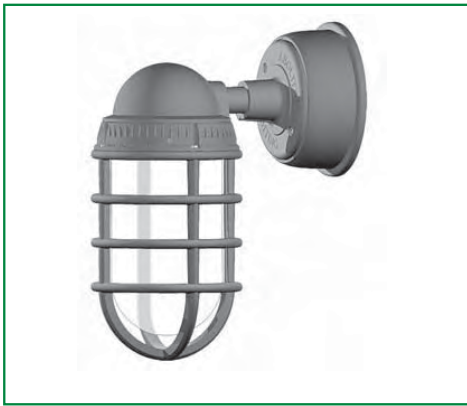
ka architecture

Chris Meske, ASLA, LEED-AP
Senior Landscape Architect – Site Planner

c: File

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ABOLITE EASTPORT



FIXTURE HOUSING/GUARD - Die cast aluminum.

FINISH - Available in High Gloss and Architectural Textured polyester powder finishes.

LAMP OPTIONS - 26, 32 and 42-Watt Compact Fluorescent Lamp (CFL) or low wattage, medium based Pulse-Start Metal Halide (PSMV) or Metal Halide (MH) lamps (available separately - consult factory). Incandescent is approved for up to 200-Watt maximum (lamp by other).

MOUNTING - Pendant mount is top entry and may be used with 3/4" rigid stems, or a variety of gooseneck and pole brackets (see accessory section). Wall mount is designed for side entry 3/4" rigid conduit arm brackets. Surface mounted unit designed to mount over 4" recessed outlet box (box by other). Note: Electronic CFL or EMH electronic ballast, is supplied as part of the surface mount fixture, but must be ordered separately for the Pendant and Wall mount fixtures.

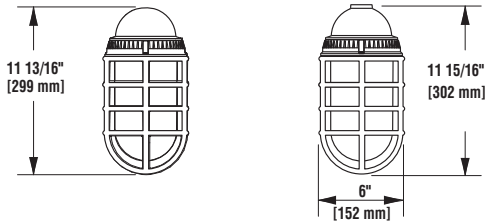
GLOBE - 4" linear prismatic glass globe is fully tempered and heat resistant.

GUARD - Die cast aluminum guard. Guard assembly easily removed as a unit by loosening 1/8" hex set screw and quarter turning assembly leaving globe intact and accessibly for lamping.

SOCKET - Smart CFL socket design accepts both 26/32W (GX24q-3 base) and 42W (GX24q4 base). Metal Halide and Pulse-Start Metal Halide sockets are porcelain medium base and pulse rated.

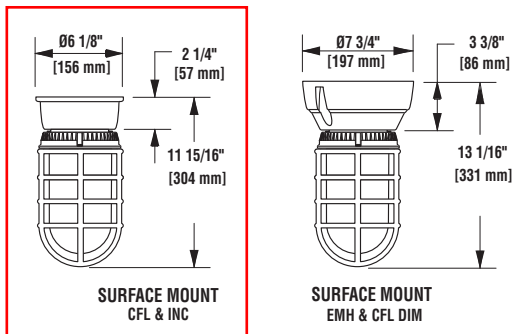
BALLASTS - All electronic ballasts are designed for 120-277v, +/-10%, 50/60 Hz. Designed to operate -30°C/-20°F with a Power Factor greater than 90%. Surface Fixtures include ballast. Pendant and Wall fixtures require Remote Ballast (specify separately). Postline ballast available for 26/32/42 CFL lamps only.

DIMENSIONS



ARM MOUNT

PENDANT MOUNT



SURFACE MOUNT
CFL & INC

SURFACE MOUNT
EMH & CFL DIM

All Abolite products available as Wall, Pole, & Ceiling Mounted and can be used Indoors



03/16/09

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LSI INDUSTRIES INC.

Project Name _____ Fixture Type _____
Catalog # _____



Catalog No: EPT-S-26-CFL-UE-MSV-(GLOBE COLOR)

Date: 07/01/2009

Lamp Type: (1) PL-T26W/830/4P/ALTO

Fixture Type:

The Lighting Practice

D1

ABOLITE EASTPORT

LUMINAIRE ORDERING INFORMATION



TYPICAL ORDER EXAMPLE: **EPT P 150 MH 120 GWT LDS96 FG**

Luminaire Prefix	Mounting	Rated Wattage	Light Source	Line Voltage	Finish	Wiring	Options
EPT	S-Surface	200	INC ¹ -Incandescent	120	MSV-Metallic Silver	LDS96-8' prewired leads (P)(Wall comes with 36" Leads Standard)	DIM-Dimming Ballast
		26/32/42	CFL - Single Compact Fluorescent	UE	GWT-Gloss White		FG-Frosted Globe
		50	EMH - Electronic Metal Halide ²	UE ³	GBK-Gloss Black		BLG-Blue Globe
		70			GRD-Gloss Red		GNG-Green Globe
		100			GGN-Gloss Green		RDG-Red Globe
	P-Pendant W-Wall	200	INC -Incandescent	120	RUS-Textured Rust		YLG-Yellow Globe
		26/32/42	CFL - Single Compact Fluorescent	UE	SVG-Satin Verde Green		FG-Frosted Globe
		50	MH - Metal Halide	120	SCP - Satin Copper		BLG-Blue Globe
		70		277	STQ - Satin Turquoise		GNG-Green Globe
		100					RDG-Red Globe
	175	PSMV - Pulse-Start Metal Halide ⁴			YLG-Yellow Globe		

FOOTNOTES:

- 1- Uses the SMB less ballast.
- 2- Available pre-wired with surface mount only.
- 3- If 347 is required, the WTRB or RB2 Remote Ballast is required.
- 4- Consult factory for other light sources available for export.

USER INSTALLED ACCESSORIES (Accessories are finished in gloss white powder, other optional colors are available. Perf Baffles are Natural Aluminum Mill only.)

Remote Ballasts⁺

CRB 26/32/42 CFL UE GWT - Wall Mounted CFL Remote Ballast for use with Contemporary Brackets only
 CRB 50, 70, 100, 150 EMH UE GWT - Wall Mounted EMH Remote Ballast for use with Contemporary Brackets only
 PB 26/32/42 CFL UE GWT - Pole Mounted CFL Postline Remote Ballast
 SMB 26/32/42 CFL UE GWT - Surface Mounted CFL Remote Ballast with swivel for Pendant Mounting
 SMB2 50, 70, 100, 150 EMH UE GWT- Surface Mounted EMH Remote Ballast with swivel for Pendant Mounting
 WMB 26/32/42 CFL UE GWT - Wall Mounted CFL Remote Ballast
 WMB2 50, 70, 100, 150 EMH UE GWT - Wall Mounted EMH Remote
 WTRB 175 PSMV MT WHT - Weather-tight Remote Ballast
 RB2 175 PSMV MT - Indoor Remote Ballast

⁺Other Remote Ballasts (WTRB or RB2) are available.

Conduit Stems

ST 12 3 GWT - 3/4" x 12" Conduit Stem ST 36 3 GWT - 3/4" x 36" Conduit Stem
 ST 18 3 GWT - 3/4" x 18" Conduit Stem ST 48 3 GWT - 3/4" x 48" Conduit Stem
 ST 24 3 GWT - 3/4" x 24" Conduit Stem

Clevis Wall Mount Arm Brackets

CMA 3 12 GWT - 12" (305mm) Clevis Bracket for Wall Mount Style
 CMA 3 18 GWT - 18" (457mm) Clevis Bracket for Wall Mount Style

Note: Assembly includes Clevis, 3/4" Stem and CA5 Wall Plate. Fixture and WMB/WMB2 extra, order separately.

Contemporary Wall Brackets

CWBM 1 GWT - 20" tall x 14" deep Medium Contemporary Wall Mount Stem and Bracket; Gloss White
 CWBL 1 GWT - 23" tall x 20" deep Large Contemporary Wall Mount Stem and Bracket; Gloss White
Note: Order Pendant Mount Fixture and CRB separately

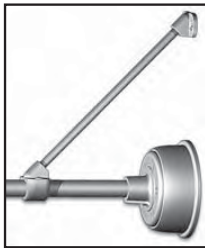
Straight Wall Brackets

SWB 3 3 GWT - 3/4" x 3" (19mm x 76mm) Stem & Wall Plate
 SWB 6 3 GWT - 3/4" x 6" (19mm x 152mm) Stem & Wall Plate
 SWB 12 3 GWT - 3/4" x 12" (19mm x .4mm) Stem & Wall Plate
 SWB 18 3 GWT - 3/4" x 18" (19mm x .5mm) Stem & Wall Plate
 SWB 24 3 GWT - 3/4" x 24" (19mm x .6mm) Stem & Wall Plate

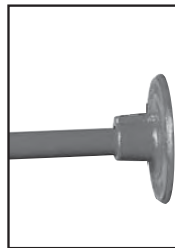
Note: Designed for mounting over recessed 4" (102mm) Octagon box (box by other).

Perf Baffles (Surface and Wall Mounting Only)

PR4E - Perforated metal ring diffuses and shields lamp image
 PR4E-180 - Half perforated metal ring provides a wall wash behind fixture Natural aluminum



Clevis Arm Bracket and WMB Ballast



SWB 6 Bracket



CWB Bracket



CRB 26/32/42 CFL Remote Ballast For Wet Locations

03/16/09

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LSI INDUSTRIES INC.

Project Name _____ Fixture Type _____

Catalog # _____



Catalog No: EPT-S-26-CFL-UE-MSV-FG

Date: 07/01/2009

Lamp Type: (1) PL-T26W/830/4P/ALTO

Fixture Type:

The Lighting Practice

D1

Linear wall luminaires · unshielded

Housing: Die-cast aluminum top and bottom connected to an extruded aluminum body. Provided with a flat mounting plate for direct attachment to the wall over a single gang vertical switch box. Requires free space of minimum 18" above luminaire for relamping

Electrical: Lampholder; 2G11, 4 pin rated 75W, 600V. Ballasts are electronic universal voltage 120V through 277V.

Finish: Available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

U.L. listed, suitable for wet locations.
Protection class: IP 44.

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



Wall luminaire

	Lamp	Lumen	A	B	C
4530P	ADA 1 39W CF twin-4p	2900	3 ⁹ / ₁₆	34 ¹ / ₄	3 ¹⁵ / ₁₆



BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com
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Catalog No: 4530P-SLV

Date: 07/02/2009

Lamp Type: (1) PL-L40W/830/4P/RS/IS

Fixture Type:

The Lighting Practice

F1

Linear wall luminaires · unshielded

Housing: Die-cast aluminum top and bottom connected to an extruded aluminum body. Provided with a flat mounting plate for direct attachment to the wall over a single gang vertical switch box. Requires free space of minimum 14" above luminaire for relamping.

Electrical: Lampholder; 2G11, 4 pin rated 75W, 600V. Ballasts are electronic universal voltage 120V through 277V.

Finish: Available in five standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ) Silver (SLV); Eurocoat™ (URO). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

U.L. listed, suitable for wet locations.
Protection class: IP 44.

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



Wall luminaire

	Lamp	Lumen	A	B	C
4520 P	ADA 1 27W CF twin-4p	1800	3 ⁹ / ₁₆	30 ⁵ / ₁₆	3 ¹ / ₁₆



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Catalog No: 4520P-SLV

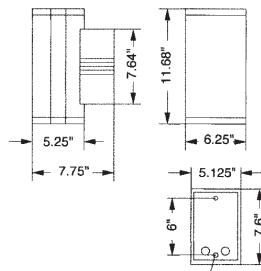
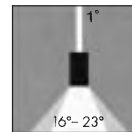
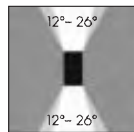
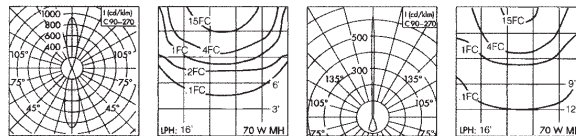
Date: 07/02/2009

Lamp Type: (1) PL-L24W/830/4P

Fixture Type:



- Unique elliptical shape
- Low copper alloy die cast aluminum body
- UL, cUL listed wet label
- Field adjustable for beam spreads
- Available as: Reflector up and down
 - Reflector down only (closed top)
 - Reflector up only (closed bottom)
 - Reflector down prism up
 - Reflector up prism down
 - Prism up only (closed bottom)
 - Prism down only (closed top)
 - Prism up and down
- Clear tempered glass lens
- 39W, 70W and 100W are supplied with integral electronic ballast
- 150W is supplied with remote magnetic HPF ballast
- 39W, 70W and 150W are supplied with high color rendering Master Color Metal Halide with CRI's of 80-85
- 100W is normal metal halide with a CRI of 65



duo metal halide half beam angles

	REFLECTOR	PRISM
DOUBLE REFLECTOR	12° - 26°	
PRISM UP REFLECTOR DOWN	16° - 23°	1°
PRISM UP PRISM DOWN		1°

duo/metal halide

2

Catalog No: DU2-9-T8-P-10-0-(VOLT)-T-0

Date: 07/01/2009

Lamp Type: (1) CDM35/T6/830

Fixture Type:

The Lighting Practice

F3

duo/metal halide

ORDERING CHART

SERIES	Prod ID XXX	Lamp Type X	Wattage XX	Body X	Finish XX	Grill X	Ballast X	Lens X	Options XX
DUO REFL UP/DOWN	DU1	9-HID	T8 - 39W T6 S/E MASTER COLOR MH CRI 81	P - Wall Bracket	10-Matte Silver	0-None	0-120V Elect. 1-277V Elect.	T- Clear Tempered Glass	0 - None
DUO REFL DOWN CLOSED TOP	DU2		R2 - 70W T6 S/E MASTER COLOR MH CRI 82 Y4 - 100W T6 S/E NORMAL MH CRI 65 U2 - 150W T6 S/E MASTER COLOR MH CRI 85		78-Text Black EW-Euro White 99-Custom		R-120V/277V remote HPF magnetic		
DUO REFL UP CLOSED BTM	DU3								
DUO REFL DN PRISM UP	DU4								
DUO REFL UP PRISM DOWN	DU5								
DUO PRISM UP CLOSED BTM	DU6								
DUO PRISM DN CLOSED TOP	DU7								
DUO PRISM UP AND DOWN	DU8								

NOTE: The 100W lamp is not a high color rendering lamp and should not be mixed with the 39W, 70W or 150W

NOTE: 39W, 70W and 100W are always 0 or 1
150W is always R

Catalog No: DU2-9-T8-P-10-0-(VOLT)-T-0

Date: 07/01/2009

Lamp Type: (1) CDM35/T6/830

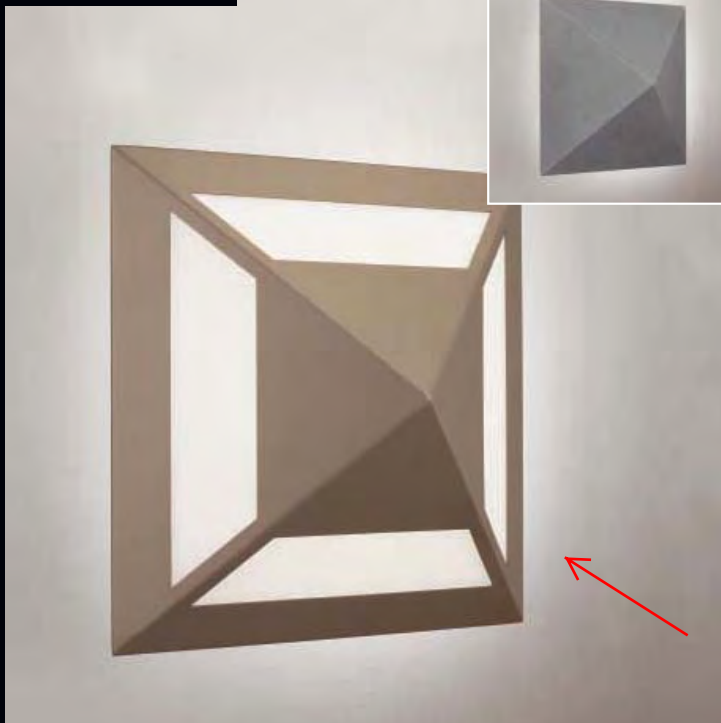
Fixture Type:

The Lighting Practice

F3

5305-WL • CHEFREN

5304-WL • ALBEDO



How to Specify:

EXAMPLE: 5305-WL-18 - MH39 - 120V - OA - LBPS - RMB - STD
CATALOG NUMBER LAMPING OPTION VOLTAGE LENS OPTION FINISH BALLAST (HID ONLY) SPECIAL (STD OR MOD)

PRODUCT SPECIFICATIONS:

Catalog#: 5304-WL or 5305-WL
Lamping: 5304-WL-18 *1 - (1) 60W HALOGENA/Med.
 & 5305-WL-18 F - (1) CFTR26W/GX24q-3
(Surface Mount) MH39 - (1) 39W T-6/G12
 MH50 - (1) 50W ED-17/Med.
(Recessed Mount) I/RW - (1) 75W HALOGENA/Med.
 F/RW - (1) CFTR26W/GX24q-3
 MH39/RW - (1) 39W T-6/G12
 MH50/RW - (1) 50W ED-17/Med.
 5304-WL-24 *1 - (1) 75W HALOGENA/Med.
 & 5305-WL-24 F - (1) CFTR42W/GX24q-4
(Surface Mount) MH100 - (1) 100W ED-17/Med.
(Recessed Mount) I/RW - (1) 75W HALOGENA/Med.
 F/RW - (1) CFTR42W/GX24q-4
 MH100/RW - (1) 100W ED-17/Med.

* HALOGENA™ is a product of Philips Lighting Company

Voltage: 120V or 277V, Incandescent 120 Volt Only

Lens Options: (Does not apply to fixture 5304)
 OA: Opal Acrylic (Etched)
 FAH: Hand Painted Faux Alabaster
 FAH4: White Vein
 FAH5: Antique Alabaster (Beige)
 FAH6: Gray Vein
 FAH7: Beige Vein
 FGH: Faux Glass

Finishes: Standard
 GLV: Galvanized Paint
 LBPS: Light Bronze Paint Smooth
 PEW: Pewter Paint
 SGB: Semi-Gloss Black Paint
 VCP: Verdi Copper Patina Paint

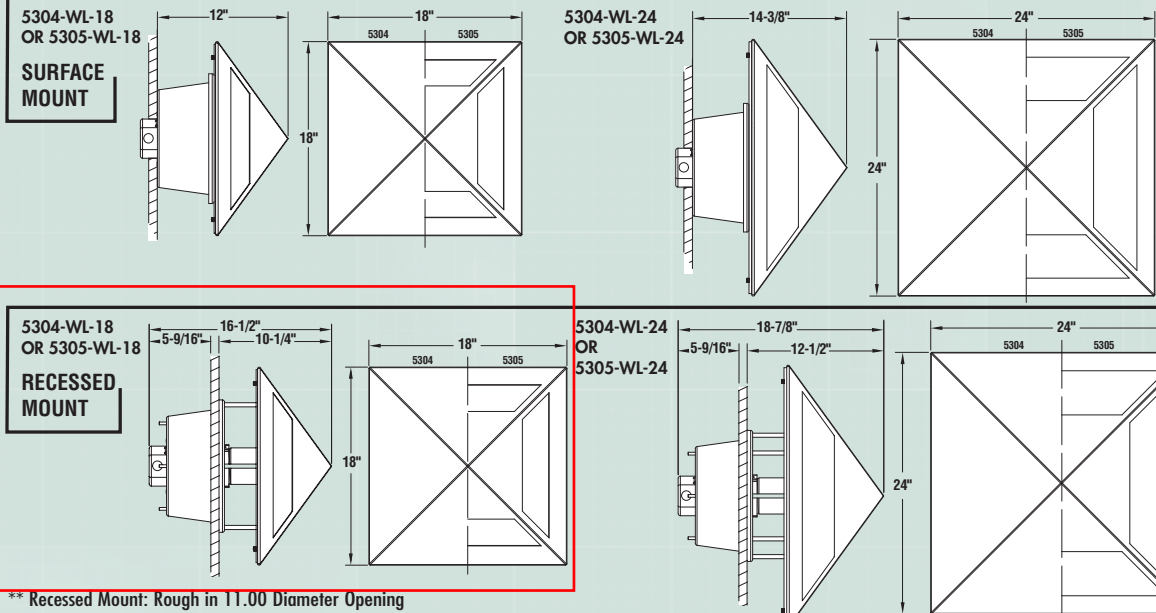
Custom
 CPF: Custom Paint Finish (Consult Factory)
 CMF: Custom Metal Finish (Consult Factory)

Ballast: (HID only)
 IMB: Integral Electronic
 RMB: Remote Mount Magnetic

Special:
 STD: Standard
 MOD: Modified Standard

Weight: 5304-WL-18 RANGE: 11lbs. to 13lbs.
 5305-WL-18 RANGE: 11lbs. to 13lbs.
 5304-WL-24 RANGE: 14lbs. to 16lbs.
 5305-WL-24 RANGE: 14lbs. to 16lbs.

TECHNICAL DATA:



** Recessed Mount: Rough in 11.00 Diameter Opening

3760 West Fourth Street • Winona, MN 55987 • 1-800-328-5291 • 507-454-5113 • Fax 507-452-8528 • www.winonalighting.com



EXTERIORS 2.0

Catalog No: 5305-WL-18-MH39/RW-(VOLT)-OA-GLV-IMB-STD

Date: 07/10/2009

Lamp Type: (1) CDM35/T6/830

Fixture Type:

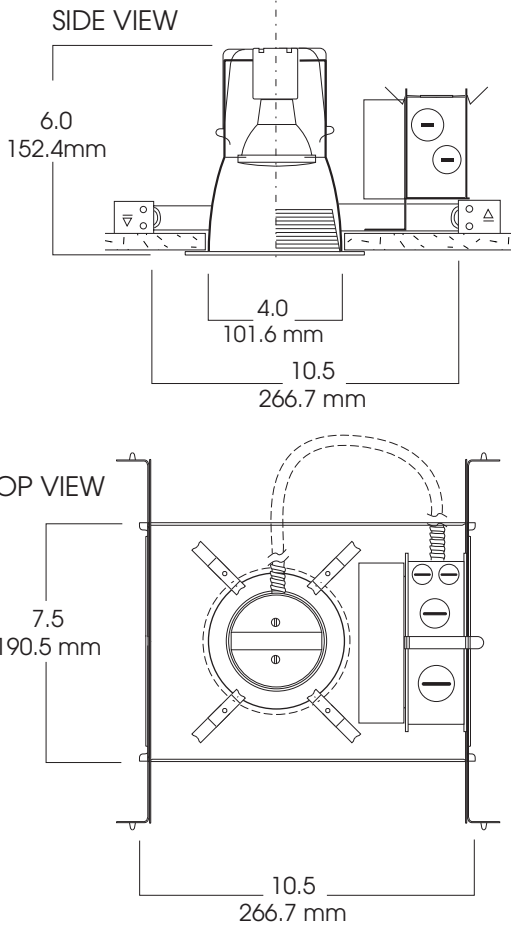
The Lighting Practice

F4



**4" HID-MH SERIES
OPEN REFLECTOR/BAFFLE
50W MAX (PAR-20/30 OR ED17)**

**4MH
SERIES**



FIXTURE SPECIFICATIONS

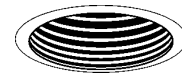
FIXTURE	LAMP	WATTS	BALLAST
SP4MH	PAR-20	39	EX - 120/277
	ED17- 50 watt only	50	

TRIM SPECIFICATIONS



TRIM NO:
4410

FINISH:



TRIM OPTIONS

- CL-** Clear Alzak, Low Iridescence
- WE-** Wheat Alzak
- GO-** Gold Alzak
- UM-** Umber Alzak
- PW-** Pewter Alzak
- BL-** Black Finish
- WH-** White Finish

- SG-** Soft Glow Finish-add **SG** to color number
- PF-** Polished Flange
- BF-** Black Flange
- BB-** Black Micro Baffle
- WB-** White Micro Baffle

TYPICAL ORDER

Line item 1 (FRAME): **SP4MH35EX**
Line Item 2 (TRIM): **4410 CL BB**

PRODUCT INFORMATION:

- Fixture designed for open rated lamps.
- Heavy gauge spun aluminum reflector with white flange.
- #20 Gauge galvanized frame, easy to install.
- 12" bar hangers expandable to 24".
- Junction box pre-wired, grounded, listed for through branch circuit wiring.
- Extruded aluminum socket housing dissipates heat.
- Electronic ballast standard up to 50 Watts, serviceable from below ceiling. True 120/277 volt operation.
- Electronic ballast with low operating temperature extends lamp life.
- Suitable for use in damp location.
- Manufactured and tested to UL standard No. 1598/ETL Listed.

FRAME OPTIONS

- RM** - Remodeler (Cut Away).
- FS** - Fusing
- QRS** - Quartz re-strike
- BH27** - 27" Mounting Bars (2 Per Set).
- PR** - Plaster Ring (consult factory).

TRIM OPTIONS

- GS** - Gasket (For Reflector).

SUBMITTAL WORKSHEET

FIXTURE NO.
FRAME-IN-KIT NO.
FIXTURE TYPE

3-156

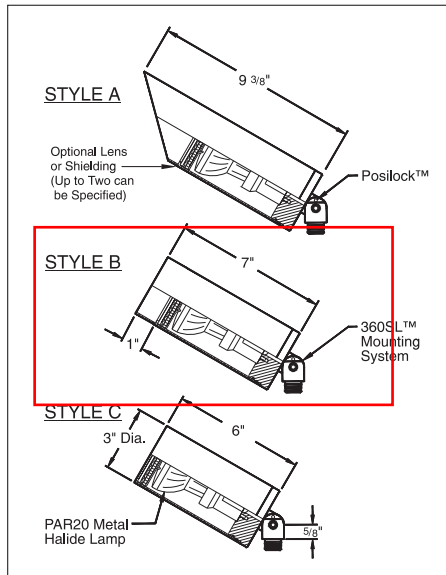
Everest Series™



The Everest Series™ utilizes the popular Master Color™ PAR20 metal halide lamp. The Master Color™ lamp provides long life, high lumen output and great color. The Everest Series will provide years of trouble free performance. Available in three different cutoff configurations and when combined with the many optical, accessory and ballast options, the Everest Series is unmatched in metal halide lighting performance. The Everest Series™ uses B-K Lighting's exclusive 360SL™ Mounting System which incorporates the Posilock™ Knuckle. This allows for horizontal and rotational aiming without removing the ballast cover and will ensure the integrity of the aiming position.

Features

- Tamper proof design.
- Completely sealed optical compartment.
- Clear, tempered glass lens, factory sealed.
- Machined aluminum construction with stainless steel hardware.
- 360SL™ Mounting System allows vertical to horizontal and rotational aiming with Posilock™ feature, provides integral wireway.
- Medium base, pulse rated lamp holder with 250° C, 18 ga., wire leads
- & Listed with 35W PAR20 metal halide lamps.
- For use with 35W, 120V or 277V metal halide ballast.



CATALOG NUMBER LOGIC

Example: EV - 58 - VER - 10 - 11 - C - HP35-277

Series _____
 Lamp Type _____
 0 - By others

58 - 35 PAR20/MH/SP(35W), 10° Spot
 59 - 35 PAR20/MH/FL(35W), 30° Flood

Finish

Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White(Gloss)	WHP	WHW
Aluminum	SAP	
Verde		VER

Lens Type _____
 9 - Clear (Standard), 10 - Spread, 13 - Rectilinear

Shielding _____
 11 - Honeycomb Baffle

Cap Style _____
 A - 45°, B - 90°, C - Flush

Ballast Style and Input Voltage _____
 HP35-120 or 277 - Recessed in grade (35W)*
 HPRM35-120 or 277 - Recessed in grade remote (35W)*
 PPII-120 or 277 - Power Pipe II™ above grade (35W)
 PC35-120 or 277 - Power Canopy™ wall or ceiling mount (35W)
 RIM35-120 or 277 - Remote wall mounted housing (35W)
 TSB35-120 or 277 - LENGTH - Tree strap mounted electronic ballast (35W)
 TMB35-120 or 277 - Pole top or tenon mount electronic ballast (35W)

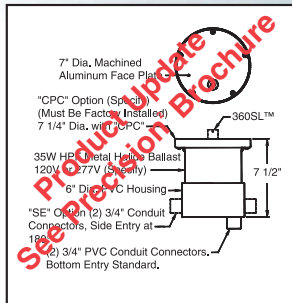
For ballast information, see page 23.

B-K LIGHTING

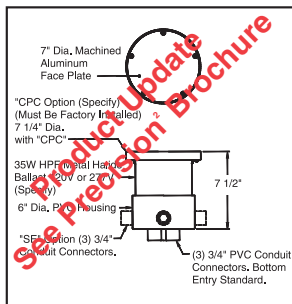


Everest Series™ Ballast Options

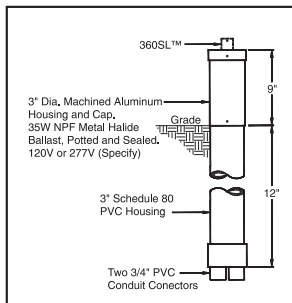
HP Metal Halide Ballast™



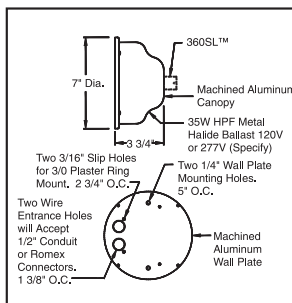
HP Remote Metal Halide



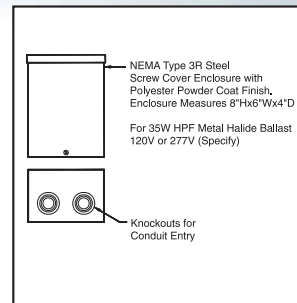
PPII Metal Halide Ballast™



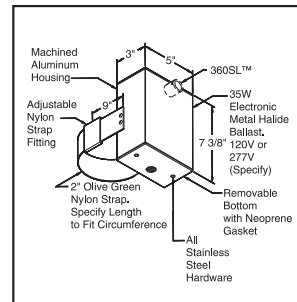
PC Metal Halide Ballast™



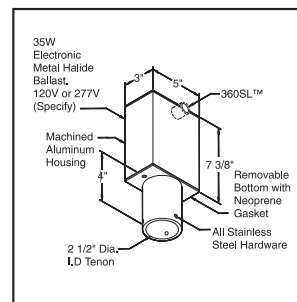
RM Metal Halide Ballast™



TSB Metal Halide Ballast™



TMB Metal Halide Ballast™



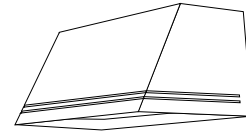
For ballast electrical data and remote ballast wiring distances, see page 127.



Notes: _____ Job: _____
Type: _____

100 LINE

101 PERFORMANCE SCONCE



GENERAL DESCRIPTION: The Gardco 101 Trapezoidal Wedge high performance sconce offers an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns - a wide throw, a medium throw and a forward throw. Each luminaire is designed to accept HID sources up to 175MH, and Compact Fluorescent up to (2) 42W. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

CUTOFF PERFORMANCE: 101 luminaires installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
101EMC	MT	226QF		NP	SL

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

- 101** Trapezoidal Wedge *Refer to configuration chart below for available combinations.*
- 101EM** Emergency Sconce
- 101EMC** Emergency Sconce Cold Temperature
- 101EMR** Remote Emergency Sconce

DISTRIBUTION

- FT** Forward Throw *Not Available with Fluorescent or LPS sources.*
- WT** Wide Throw *Not Available with Fluorescent or LPS sources.*
- MT** Medium Throw

WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - 101

HID*	Voltage					
	120	208	240	277	347	480
50MH	•			•		
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
150MH	•	•	•	•	•	•
175MH**	•	•	•	•	•	•
50CMHE ¹	UNIV					
70CMHE ¹	UNIV					
100CMHE ¹	UNIV					
35HPS	•					
50HPS	•			•		
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	•
150HPS	•	•	•	•	•	•
18LPS	•			•		
<i>Fluorescent</i>						
226QF ¹	UNIV					
226QF ¹	UNIV					
32TRF ¹	UNIV					
232TRF ¹	UNIV					
42TRF ¹	UNIV					
242TRF ¹	UNIV					

Combinations marked with a dot or shown with "UNIV" are available for ordering.

- MH - Metal Halide
- CMHE - Ceramic Metal Halide with Electronic Ballast
- HPS - High Pressure Sodium
- LPS - Low Pressure Sodium
- TRF - Triple Tube Fluorescent
- QF - Quad Fluorescent

* MH, CMHE and HPS types require medium based E17 lamps. All MH 150W and below are pulse start by design, including CMHE types.

** 175MH not available for sale in the United States.

1. Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.

2. One (1) lamp is powered in emergency mode with EM, EMC and EMR types with the B84CG option.

3. Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

4. Available with I162 option, which powers two (2) lamps in emergency mode. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.

5. Refer to "101 Emergency Sconce Table" on page 2 for additional information.

CONFIGURATION CHART - 101EM OR 101EMC⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ²			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - 101EMR⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ^{2,3,4}			•	•			•		
32TRF			•	•			•		
232TRF ^{2,3,4}			•	•			•		
42TRF			•	•			•		
242TRF ^{2,4}			•	•			•		

FINISH

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

OPTIONS

- F⁵ Fusing
- PCB⁷ Button Type Photocontrol
- QS⁸ Quartz Standby
- QST⁸ Quartz Standby - Timed Delay
- Q924⁹ Quartz Emergency
- Q12V⁹ Quartz 12V Emergency
- Q20MR¹⁰ (2)MR16 12V Emergency - 20 Watt
- Q35MR¹⁰ (2)MR16 12V Emergency - 35 Watt
- SL** Solite® Diffusing Lens
- UT 5° Uplift
- WLU¹¹ Wet Location Door for Inverted Mount
- WS¹² Wall Mounted Box for Surface Conduit
- WS/UT¹² WS Option w/5° Uplift
- WG¹³ Wire Guard
- POLY^{13,14} Polycarbonate Sag Lens

EMR Luminaires Only: ¹⁵

- B84CG Bodine Remote Emergency Pack
- ICE420¹⁶ IOTA Remote Emergency Pack 226QF / 232TRF only.
- I162¹⁷ IOTA Remote Emergency Pack 226QF / 232TRF / 242TRF only.

6. 120V through 277V only

7. Not available with 480V.

8. HID only. Not available with CMHE Ballasts. FT Optics or in 480V, 100w Quartz maximum.

9. WT Optic only. 150w HID maximum. 100w Quartz maximum.

10. WT Optic only. 50CMHE or 70CMHE only. Supplied with two 12 20W MR16 or two (2) 5W MR16 Flood (40° beam) lamps.

11. Not available with WG or POLY options.

12. Rear entry permitted.

13. Not Available with WLU option.

14. 100 watt HID maximum. Polycarbonate lenses carry a 1 year warranty only.

15. All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.

16. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

17. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.

Philips Gardco 1611 Clovis Barker Road San Marcos, TX 78666 (800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 www.sitelighting.com

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Catalog No: 101EMC-MT-226QF-(VOLT)-NP-SL

Date: 07/01/2009

Lamp Type: (2) PL-C26W/830/4P/ALTO

Fixture Type:

The Lighting Practice

M1

100 LINE

101 PERFORMANCE SCONCE

SPECIFICATIONS

GENERAL: Each Gardco 101 luminaire is a wall mounted cutoff luminaire for high intensity discharge or compact fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are die cast aluminum. A choice of three (3) optical systems is available. Luminaires are suitable for wet locations (damp locations if inverted).

HOUSING: Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME: A single-piece die cast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners. The heat and impact resistant 1/8 (.32cm) tempered glass lens and one-piece gasket are mechanically secured to the door frame with four (4) galvanized steel retainers.

OPTICAL SYSTEMS: Reflectors are composed of specular extruded and faceted components, electropolished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw, forward throw or medium throw downlight distributions.

ELECTRICAL:

STANDARD LUMINAIRES: Each high power factor HID core and coil ballast is the separate component type. All HID ballasts are capable of providing reliable lamp starting down to -20°F/-29°C. Standard fluorescent units have a starting temperature of 0°F/-18°C. Standard fluorescent ballasts are high power factor electronic solid state. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

LUMINAIRES with Q924 / G12V / QMR20 / QMR35 OPTIONS: Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR or Q35MR options require a separate source of 12V power (by others.)

EMERGENCY LUMINAIRES: All emergency luminaires feature an indicator light visible through the lens and a test switch accessible through the door assembly. Minimum battery pack ambient temperatures are as indicated in the 101 Emergency Sconce Table. In the event of a power interruption, emergency luminaires will power compact fluorescent lamps as indicated in the 101 Emergency Sconce Table at reduced light levels for a minimum of 90 minutes.

EMR LUMINAIRES include a 7.5/2.29m, 12 wire, quick disconnect assembly for wiring through conduit (by others) to a B84CG, I162 or ICE420 fluorescent emergency battery pack. *The fluorescent emergency battery pack MUST be supplied by Gardco. The B84CG option, the I162 option or the ICE420 option required on the order to the factory.*

CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

101 Emergency Sconce Table ¹⁸		
101 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
101EM (Integral)	32°F / 0°C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
101EMC (Integral)	-4°F / -20°C	
101EMR (Remote) with B84CG Option	32° F / 0°C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
101EMR (Remote) with I162 Option ¹⁹	32° F / 0°C	
101EMR (Remote) with ICE420 Option ²⁰	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

Notes:

- 18. See Gardco Emergency Light Output Information (79115-155) for emergency lumen output data.
- 19. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
- 20. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

LAMPHOLDER: Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature (PBT) with brass contacts.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors are as listed. Consult factory for specs on custom colors.

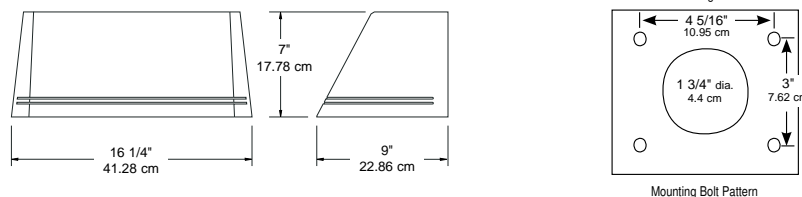
LABELS: All luminaires bear UL or CUL (where applicable) labels, except as noted. Lens down application is Wet Location and lens up is Damp Location. Emergency luminaires do not bear CUL label.

WARRANTY: Gardco luminaires feature a 5 year limited warranty. See Warranty Information on www.sitelighting.com for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

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

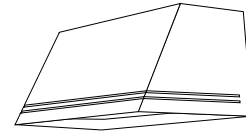


Note: Mounting plate center is located in the center of the luminaire width and 3.5"(8.89cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.

Notes: _____ Job: _____
Type: _____

100 LINE

101 PERFORMANCE SCONCE



GENERAL DESCRIPTION: The Gardco 101 Trapezoidal Wedge high performance scone offers an excellent alternative to unsightly wall mounted fixtures. These architecturally refined luminaires are designed to integrate naturally to wall surfaces. The 101 luminaires are available with three (3) different distribution patterns - a wide throw, a medium throw and a forward throw. Each luminaire is designed to accept HID sources up to 175MH, and Compact Fluorescent up to (2) 42W. Housings are sealed throughout, completely excluding moisture, dust, insects and contaminants.

CUTOFF PERFORMANCE: 101 luminaires installed in the normal downlight position, with a flat glass lens, provide full cutoff performance.

ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
101	FT	100MH		NP	SL

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

101	Trapezoidal Wedge	Refer to configuration chart below for available combinations.
101EM	Emergency Sconce	
101EMC	Emergency Sconce Cold Temperature	
101EMR	Remote Emergency Sconce	

DISTRIBUTION

FT	Forward Throw	Not Available with Fluorescent or LPS sources.
WT	Wide Throw	Not Available with Fluorescent or LPS sources.
MT	Medium Throw	

WATTAGE AND VOLTAGE

LAMP / VOLTAGE CHART - 101

HID*	Voltage					
	120	208	240	277	347	480
50MH	•			•		
70MH	•	•	•	•	•	•
100MH	•	•	•	•	•	•
150MH	•	•	•	•	•	•
175MH**	•	•	•	•	•	•
50CMHE ¹	UNIV					
70CMHE ¹	UNIV					
100CMHE ¹	UNIV					
35HPS	•					
50HPS	•			•		
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	•
150HPS	•	•	•	•	•	•
18LPS	•		•			
<i>Fluorescent</i>						
26QF ¹	UNIV					
226QF ¹	UNIV					
32TRF ¹	UNIV					
232TRF ¹	UNIV					
42TRF ¹	UNIV					
242TRF ¹	UNIV					

Combinations marked with a dot or shown with "UNIV" are available for ordering.

MH - Metal Halide
CMHE - Ceramic Metal Halide with Electronic Ballast
HPS - High Pressure Sodium
LPS - Low Pressure Sodium
TRF - Triple Tube Fluorescent
QF - Quad Fluorescent

* MH, CMHE and HPS types require medium based E17 lamps. All MH 150W and below are pulse start by design, including CMHE types.

** 175MH not available for sale in the United States.

CONFIGURATION CHART - 101EM OR 101EMC⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ²			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - 101EMR⁵

Fluorescent	Distribution			Voltage					
	FT	WT	MT	120	208	240	277	347	480
226QF ^{2,3,4}			•	•			•		
32TRF			•	•			•		
232TRF ^{2,3,4}			•	•			•		
42TRF			•	•			•		
242TRF ^{2,4}			•	•			•		

1. Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.

2. One (1) lamp is powered in emergency mode with EM, EMC and EMR types with the B84CG option.

3. Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

4. Available with I162 option, which powers two (2) lamps in emergency mode. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.

5. Refer to "101 Emergency Sconce Table" on page 2 for additional information.

FINISH

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

OPTIONS

F ⁵	Fusing
PCB ⁷	Button Type Photocontrol
QS ⁸	Quartz Standby
QST ⁸	Quartz Standby - Timed Delay
Q924 ⁹	Quartz Emergency
Q12V ⁹	Quartz 12V Emergency
Q20MR ¹⁰	(2)MR16 12V Emergency - 20 Watt
Q35MR ¹⁰	(2)MR16 12V Emergency - 35 Watt
SL	Solite® Diffusing Lens
UT	5° Uplift
WLU ¹¹	Wet Location Door for Inverted Mount
WS ¹²	Wall Mounted Box for Surface Conduit
WS/UT ¹²	WS Option w/5° Uplift
WG ¹³	Wire Guard
POLY ^{13,14}	Polycarbonate Sag Lens

EMR Luminaires Only: ¹⁵

B84CG	Bodine Remote Emergency Pack
ICE420 ¹⁶	IOTA Remote Emergency Pack 226QF / 232TRF only.
I162 ¹⁷	IOTA Remote Emergency Pack 226QF / 232TRF / 242TRF only.

6. 120V through 277V only

7. Not available with 480V.

8. HID only. Not available with CMHE Ballasts. FT Optics or in 480V, 100w Quartz maximum.

9. Not Optic only. 150w HID maximum. 100w Quartz maximum.

10. WT Optic only. 50CMHE or 70CMHE only. Supplied with two 12 20W MR16 or two (2) 5W MR16 Flood (40° beam) lamps.

11. Not available with WG or POLY options.

12. Rear entry permitted.

13. Not Available with WLU option.

14. 100 watt HID maximum. Polycarbonate lenses carry a 1 year warranty only.

15. All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.

16. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

17. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.

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Catalog No: 101-FT-100MH-(VOLT)-NP-SL

Date: 07/01/2009

Lamp Type: (1) MHC100/U/M/3K/ALTO

Fixture Type:

The Lighting Practice

M2

100 LINE

101 PERFORMANCE SCONCE

SPECIFICATIONS

GENERAL: Each Gardco 101 luminaire is a wall mounted cutoff luminaire for high intensity discharge or compact fluorescent lamps. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are die cast aluminum. A choice of three (3) optical systems is available. Luminaires are suitable for wet locations (damp locations if inverted).

HOUSING: Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer lamp and ballast life.

DOOR FRAME: A single-piece die cast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners. The heat and impact resistant 1/8 (.32cm) tempered glass lens and one-piece gasket are mechanically secured to the door frame with four (4) galvanized steel retainers.

OPTICAL SYSTEMS: Reflectors are composed of specular extruded and faceted components, electropolished, anodized and sealed. Reflector segments are set in arc tube image duplicating patterns to achieve the wide throw, forward throw or medium throw downlight distributions.

ELECTRICAL:

STANDARD LUMINAIRES: Each high power factor HID core and coil ballast is the separate component type. All HID ballasts are capable of providing reliable lamp starting down to -20°F/-29°C. Standard fluorescent units have a starting temperature of 0°F/-18°C. Standard fluorescent ballasts are high power factor electronic solid state. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

LUMINAIRES with Q924 / G12V / QMR20 / QMR35 OPTIONS: Luminaires with the Q924 option require a separate source of 120V power (by others.) Luminaires with Q12V, Q20MR or Q35MR options require a separate source of 12V power (by others.)

EMERGENCY LUMINAIRES: All emergency luminaires feature an indicator light visible through the lens and a test switch accessible through the door assembly. Minimum battery pack ambient temperatures are as indicated in the 101 Emergency Sconce Table. In the event of a power interruption, emergency luminaires will power compact fluorescent lamps as indicated in the 101 Emergency Sconce Table at reduced light levels for a minimum of 90 minutes.

EMR LUMINAIRES include a 7.5"/2.29m, 12 wire, quick disconnect assembly for wiring through conduit (by others) to a B84CG, I162 or ICE420 fluorescent emergency battery pack. *The fluorescent emergency battery pack MUST be supplied by Gardco. The B84CG option, the I162 option or the ICE420 option required on the order to the factory.*

CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

101 Emergency Sconce Table ¹⁸		
101 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
101EM (Integral)	32°F / 0°C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
101EMC (Integral)	-4°F / -20°C	
101EMR (Remote) with B84CG Option	32°F / 0°C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
101EMR (Remote) with I162 Option ¹⁹	32°F / 0°C	
101EMR (Remote) with ICE420 Option ²⁰	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

Notes:
18. See Gardco Emergency Light Output Information (79115-155) for emergency lumen output data.
19. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.
20. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.

LAMPHOLDER: Pulse rated medium base sockets are glazed porcelain with nickel plated screw shell. Fluorescent sockets are high temperature (PBT) with brass contacts.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors are as listed. Consult factory for specs on custom colors.

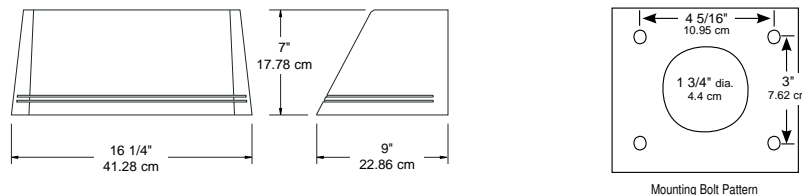
LABELS: All luminaires bear UL or CUL (where applicable) labels, except as noted. Lens down application is Wet Location and lens up is Damp Location. Emergency luminaires do not bear CUL label.

WARRANTY: Gardco luminaires feature a 5 year limited warranty. See Warranty Information on www.sitelighting.com for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

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



Note: Mounting plate center is located in the center of the luminaire width and 3.5" (8.89cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.



DERO **BIKE HITCH**

- High security
- great for sidewalk placement
- one unit parks two bikes

The Bike Hitch is an attractive and space efficient bike rack. The Bike Hitch was specifically designed for sidewalks and other narrow space applications. The rack's design restricts bikes to parking parallel with the rack so bikes won't protrude out into the sidewalk or street.



Your Logo Here!

We can include your organization's logo in the center of a specially designed Bike Hitch. Contact us for more details on this unique option.

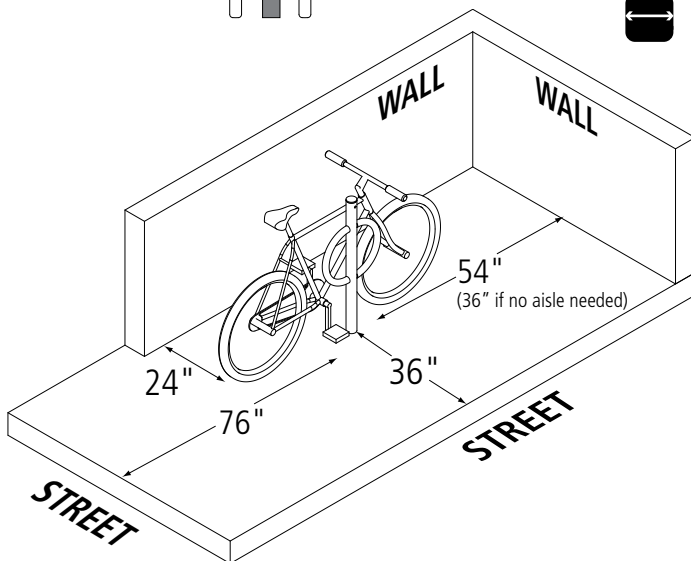
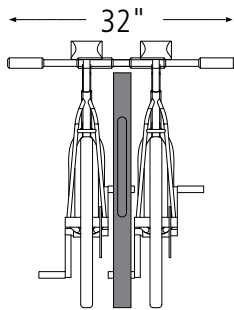
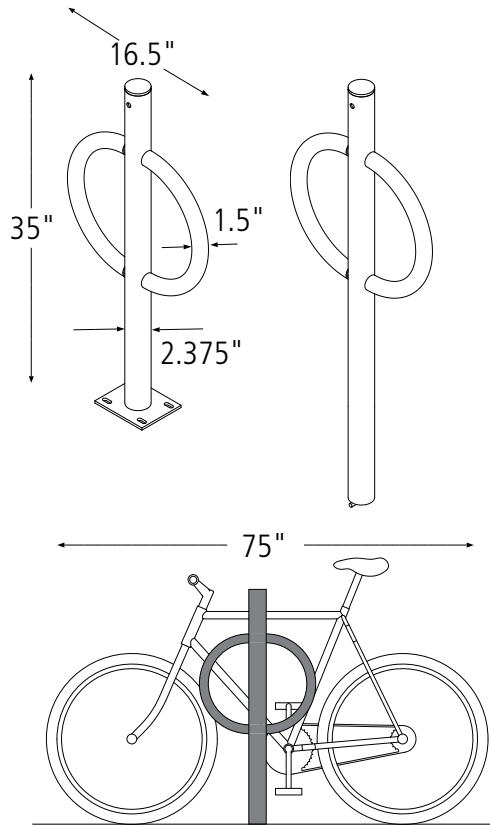


www.dero.com

1.800.298.4915



Printed on recycled paper



Product

Dero Bike Hitch
As manufactured by Dero Bike Racks

Capacity

2 Bikes

Materials



Centerbeam: 2" schedule 40 pipe (2.375" OD)
Ring: 1.5" OD 11 gauge tube

Finishes



An after fabrication hot dipped galvanized finish is standard. 250 TGIC powder coat colors, a thermoplastic coating and a stainless steel option are also available.

Our powder coat finish assures a high level of adhesion and durability by following these steps:

1. Sandblast
2. Iron phosphate pretreatment
3. Epoxy primer electrostatically applied
4. Final thick TGIC polyester powder coat

Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

A rubbery PVC Dip is also available

Installation Methods



In-ground mount is embedded into concrete base.
Surface mount has one 5" x 6" foot which is anchored to the ground with four anchors (included with rack).

Space Use and Setbacks



Wall Setbacks:

For racks set parallel to a wall:
Minimum: 12"
Recommended: 24"

For racks set perpendicular to a wall:

Minimum: 35" (centerline measurement)
Recommended: 38" (54" if aisle is needed between bike and wall)

Distance Between Racks:

Minimum: 24"
Recommended: 38"

Street Setbacks:

Minimum: 36"



Tools Needed for Installation

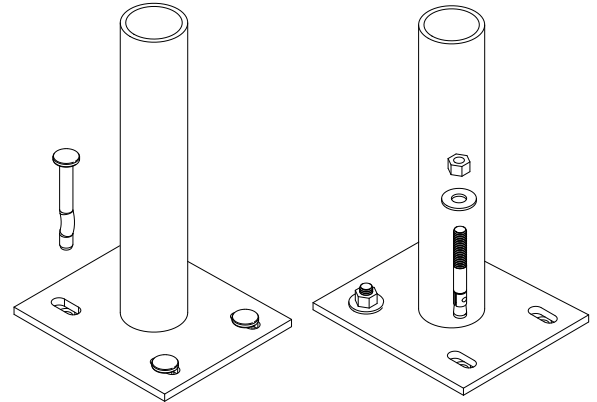
- Tape Measure
- Marker or Pencil
- Masonry Drill Bit
- Drill (Hammer drill recommended)
- Hammer
- Wrench 9/16"
- Level
- Washers (for leveling if necessary)

Recommended Base Materials:

Solid concrete is the best base material for installation. Ask your Dero Rack representative which anchor is appropriate for your application to ensure the proper anchors are shipped with your rack. Be sure nothing is underneath the base material that could be damaged by drilling.

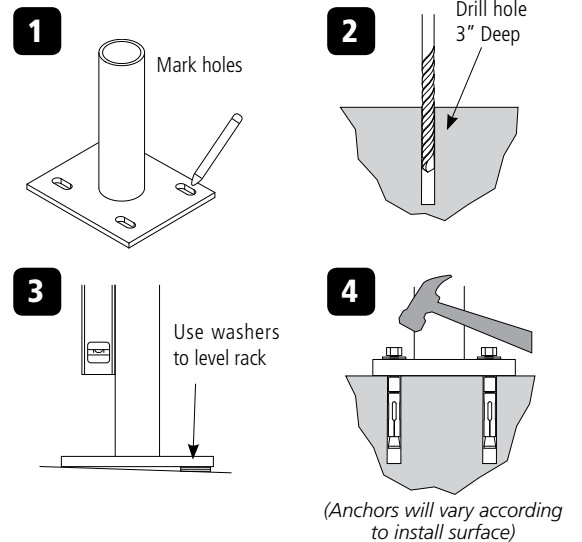
Installation:

3/8" anchors are shipped with the rack. Place the rack in the desired location. Use a marker or pencil to outline the holes of the flange onto the base material. Drill the holes in accordance with the specifications shipped with the anchors. Make sure the holes are at least 6" away from any cracks in the base material.



Concrete Spike

Wedge Anchor



Tamper Resistant Fasteners

The concrete spike is a permanent anchor. The top of the wedge anchor can also be pounded sideways after installation so that it cannot be removed. Other tamper resistant fasteners are also available for purchase.

When using the special tamper resistant nuts, always set and first tighten the anchors. Once the rack is installed, replace two nuts from the bracket (opposite sides from each other) with the tamper resistant fastener. DO NOT OVERTIGHTEN the tamper resistant nut.



Breakaway Nut

Spanner Nut

Triple-slot Nut



Concrete Spike



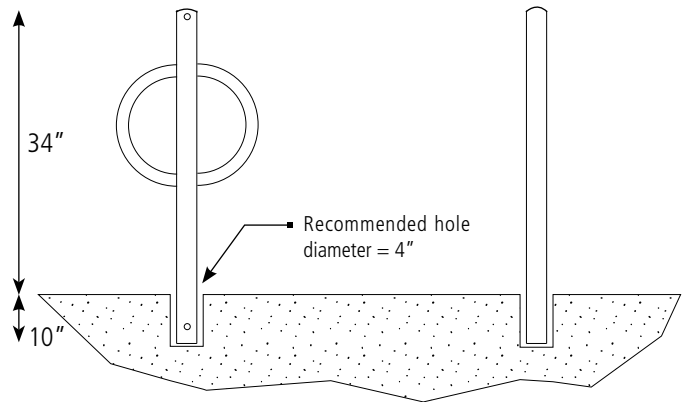
If you have any questions about installation or other features of the Bike Hitch Rack, please call us toll free at 1-800-298-4915

Tools needed for installation

Level	Hole coring machine with 4" bit
Cement mixing tub	Access to water hose
Shovel	Materials to build brace (see "Install Tip" at bottom of page)
Trowel	

Installing into Existing Sidewalk

Core holes no less than 3" diameter (4" recommended) and no less than 6" deep into sidewalk. Place Bike Hitch into hole making sure the rack is level. Fill hole with Por-Rok or epoxy grout. 34-36" of the Bike Hitch should remain above the surface. Make sure Hitch is level and held in place until the grout has completely set.



Installing Into a New Sidewalk:

Stake Method:

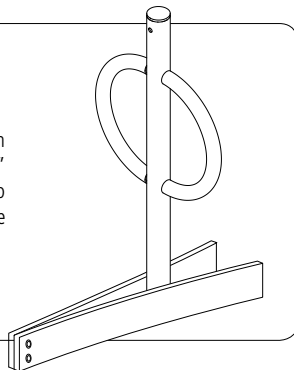
- 1** Use rack to measure exact location in pour bed.
- 2** Pound stake into pour bed where end of rack will sit. Slide rack end onto stake. You may need to dig the end of the rack into the sand to make sure the rack sits at least 35" above final grade level. The stake keeps the rack straight while the concrete is being poured.
- 3** Make sure the rack is level and true. Pour concrete around the rack. Make sure the rack is not touched until the concrete has completely set.

Sleeve Method:

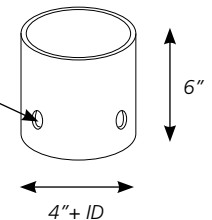
- 1** Place corrosion resistant sleeve (min. 3" inside diameter) in sand pour bed in exact location where rack will be installed. Make sure top of sleeve is at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from filling with concrete.
- 2** Pour concrete and allow to cure.
- 3** After appropriate cure time, dig out sand from sleeves and insert racks, making sure they are level and at the appropriate height. Pour in Por-Rok or epoxy grout and allow to set.

INSTALL TIP

An easy way to brace the Bike Hitch while the grout sets is to bolt two 1x4" boards together at one end and clamp them onto the legs of the Bike Hitch like a clothes pin.



Note: Sleeve should have profile to keep it from coming loose from hardened concrete.



DESCRIPTION

Galleria's beauty and versatility make it an excellent choice for roadway and general area lighting applications. An aesthetic reveal in the formed aluminum housing gives the Galleria a distinctive look while a variety of mounting options and lamp wattages provide maximum flexibility.

Galleria's superior light distributions makes it the optimum choice for almost any small, medium or large area lighting application.

Catalog #	GSM-AM-750-MP-MT-SL-FG	Type	B2
Project	Smash Burger/W.Town Mall	Date	7.7.09
Comments			
Prepared by	Dale Young		

SPECIFICATION FEATURES

A ... Housing

Formed aluminum housing with stamped reveal has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat. U.L. listed and CSA certified for wet locations.

B ... Ballast Tray

Ballast tray is hard-mounted to housing interior for cooler operation.

C ... Reflector

Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are

clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring plugs and are field rotatable in 90° increments.

D ... Door

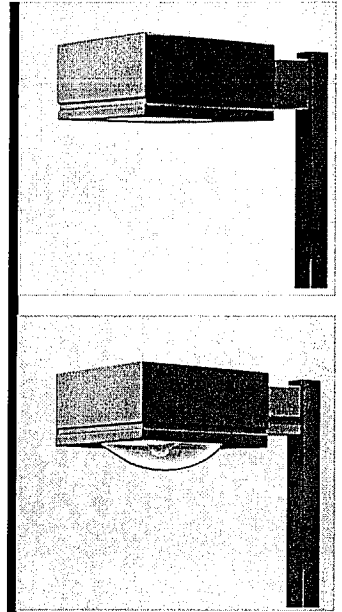
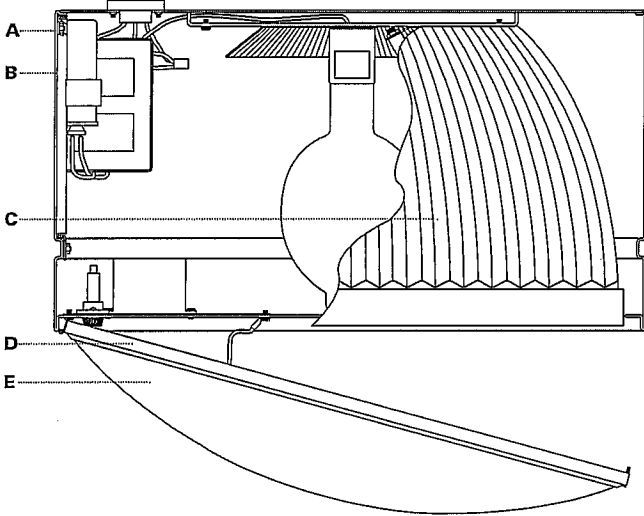
Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat. (Spider mount unit has steel door.)

E ... Lens

Convex tempered glass lens or flat glass.

F ... Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during assembly. Specify arm-included mounting for contractor-friendly single carton packaging of housing and arm.



**GSS/GSM/GSL
GALLERIA
SQUARE**

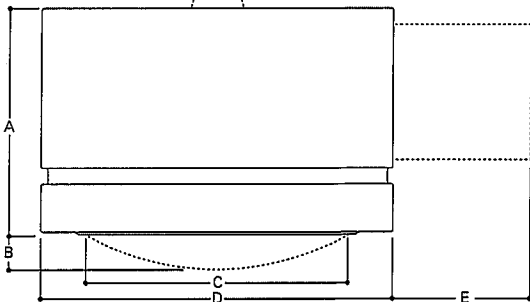
70 - 1000W
Pulse Start Metal Halide
High Pressure Sodium
Metal Halide

**ARCHITECTURAL
AREA LUMINAIRE**

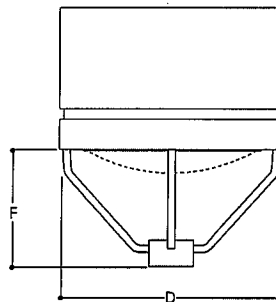


DIMENSIONS

Arm Mount



Spider Mount



FIXTURE	A	B	C	D	E	F
GSS (in.)	9 1/4	1 1/2	12 7/8	15 5/8	6 or 9	3 1/4
(mm)	235	38	327	397	152 or 229	337
GSM (in.)	11	3 1/2	19 1/4	21 3/4	6 or 14	15 or 16
(mm)	279	89	480	552	152 or 356	381 or 406
GSL (in.)	14 1/2	4 1/4	25 7/8	27	6 or 14	18 3/4 or 19 3/4
(mm)	368	108	657	686	152 or 356	476 or 502

NOTE: Top cap used on GSM with 1000W flat glass vertically lamped optics only.

ENERGY DATA

- CWA Ballast Input Watts
- 150W MP HPF (185 Watts)
- 175W MP HPF (198 Watts) ⑥
- 250W MP HPF (283 Watts) ⑥
- 250W HPS HPF (295 Watts)
- 400W MP HPF (452 Watts) ⑥
- 400W HPS HPF (457 Watts)
- 750W MP HPF (820 Watts)
- 1000W MH HPF (1080 Watts)
- 1000W HPS HPF (1100 Watts)

EPA

- Effective Projected Area: (Sq. Ft.)
- [Without Arm]
- GSS: 1.20 GSM: 2.40 GSL: 3.80
- [Spider Mount]
- GSS: 1.53 GSM: 2.86 GSL: 4.45

SHIPPING DATA

- Approximate Net Weight:
- GSS: 36 lbs. (16 kgs.)
- GSM: 79 lbs. (36 kgs.)
- GSL: 88 lbs. (40 kgs.)



ORDERING INFORMATION

Sample Number: GSM-AM-400-MP-MT-3V-SG-BK-L



Product Family
GSS: Galleria Square Small
GSM: Galleria Square Medium
GSL: Galleria Square Large

Mounting Method
AM: Arm Mount¹
AIR: Arm Included for² Round Pole
AIS: Arm Included for² Square Pole
SM1: Spider Mount³ (2 3/8" OD Tenon)
SM2: Spider Mount (3" OD Tenon)
SM3: Spider Mount⁴ (3 1/2" OD Tenon)

Lamp ⁵
Wattage
MP: Pulse Start Metal Halide
70: 70W
100: 100W
150: 150W
200: 200W
250: 250W
320: 320W
350: 350W
400: 400W⁶
450: 450W
750: 750W
875: 875W
1000: 1000W⁷
HPS: High Pressure Sodium
70: 70W
100: 100W
150: 150W
250: 250W
400: 400W
750: 750W
1000: 1000W⁷
MH: ⁸
175: 175W
250: 250W
400: 400W
1000: 1000W⁷

Lamp Type
MP: Pulse Start Metal Halide
HPS: High Pressure Sodium
MH: Metal Halide⁸
Voltage ⁹
120: 120V
208: 208V
240: 240V
277: 277V
480: 480V
MT: Multi-Tap¹⁰
TT: Triple-Tap¹⁰
ST: 5-Tap¹¹

Distribution
Horizontal Lamp
1F: Type I Formed¹²
2F: Type II Formed
2S: Type II Segmented¹³
3F: Type III Formed
3S: Type III Segmented¹³
4S: Type IV Segmented¹³
5S: Type V Segmented¹³
FT: Forward Throw
SL: Spill Light Eliminator¹⁴
CA: Cutoff Asymmetric with EHS
Vertical Lamp
AR: Area Round
AS: Area Square
3V: Type III Vertical
RW: Rectangular Wide¹⁵

Lens Type
FG: Flat Glass¹⁶
SG: Sag Glass

Color ¹⁷
AP: Grey
BZ: Bronze
BK: Black
WH: White
DP: Dark Platinum
GM: Graphite Metallic

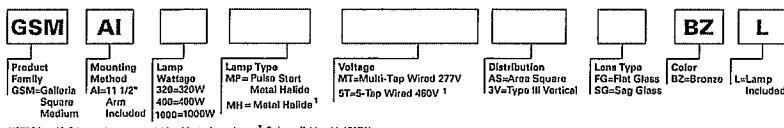
Options ¹⁸
F: Single Fuse (120, 277 or 347V)
FF: Double Fuse (208, 240 or 480V)
L: Lamp Included
EM: Quartz Restrike w/¹⁹ Delay
Q: Quartz Restrike¹⁹
R: NEMA Twistlock Photocontrol Receptacle
HS: House Side Shield²⁰
EHS: External Adjustable House Side Shield
VS: Vandal Shield²¹

Accessories ²²
GSM-EXTHS: External House Side Shield - 2.24 EPA
GSL-EXTHS: External House Side Shield - 2.46 EPA
MA1004XX: 14" Arm for Square Pole. 1.0 EPA²³
MA1005XX: 6" Arm for Square Pole. 0.5 EPA²³
MA1006XX: Direct Mount Kit for Square Pole²³
MA1007XX: 14" Arm for Round Pole. 1.0 EPA²³
MA1008XX: 6" Arm for Round Pole. 0.5 EPA²³
MA1009XX: Direct Mount Kit for Round Pole²³
MA1021XX: 6" Arm for Square Pole. 0.5 EPA²³
MA1022XX: 6" Arm for Round Pole. 0.5 EPA²³
MA1023XX: 9" Arm for Square Pole. 0.5 EPA²³
MA1024XX: 9" Arm for Round Pole. 0.5 EPA²³
MA1029XX: Wall Mount Bracket with 10" Arm
MA1046XX: Wall Mount Bracket³
MA1208XX: 11 1/2" Arm and Round Pole Adapter - 0.8 EPA
OA1066XX: Mast Arm Adapter
MA1010XX: Single Tenon Adapter for 3 1/2" O.D. Tenon
MA1011XX: 2@180° Tenon Adapter for 3 1/2" O.D. Tenon
MA1012XX: 3@120° Tenon Adapter for 3 1/2" O.D. Tenon
MA1013XX: 4@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1014XX: 2@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1015XX: 2@120° Tenon Adapter for 3 1/2" O.D. Tenon
MA1016XX: 3@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1017XX: Single Tenon Adapter for 2 3/8" O.D. Tenon
MA1018XX: 2@180° Tenon Adapter for 2 3/8" O.D. Tenon
MA1019XX: 3@120° Tenon Adapter for 2 3/8" O.D. Tenon
MA1045XX: 4@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1048XX: 2@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1049XX: 3@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1060: House Side Shield for GSS (Field Installed)²⁴
MA1061: House Side Shield for GSM (Field Installed)²⁴
MA1062: House Side Shield for GSL (Field Installed)²⁴
OA/RA1016: NEMA Twistlock Photocontrol - Multi-Tap
OA/RA1027: NEMA Twistlock Photocontrol - 480V

- Notes: 1 Arm not included. See Accessories.
- 2 Arm length varies based on housing size: 9" for GSS, 11-1/2" for GSM and 14" for GSL.
- 3 Available on GSS housing only.
- 4 Available on GSL housing only.
- 5 Standard with medium-base sockets in GSS housing. Mogul-base sockets in GSM and GSL housings. Wattage availability varies by housing size - see Wattage Table.
- 6 Requires reduced envelope ED-28 lamp when used with GSM housing and flat glass vertically lamped optics.
- 7 Requires reduced envelope BT-37 lamp when used with GSM housing.
- 8 175, 250 and 400W MH available for non-US markets only.
- 9 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
- 10 Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V.
- 11 5-Tap ballast is 120/208/240/277/480V wired 480V. Only available in 400-1000W.
- 12 Medium housing fixture only.
- 13 Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. Not available in GSL housing.
- 14 Must use reduced envelope lamp, not available in GSL housing.
- 15 RW optic not available with flat glass.
- 16 1000W GSL with flat glass requires BT-37 lamp and is not available in AS, RW, SL or 3V distributions.
- 17 Other finish colors available, including a full line of RAL color matches. Consult your Cooper Lighting Representative.
- 18 Add as suffix in the order shown.
- 19 Quartz options not available with SL optics.
- 20 House side shield not available with 5S, RW, AS, AR, SL and CA optics.
- 21 Arm mount only, 400W Maximum.
- 22 Order separately, replace XX with color suffix.
- 23 Available on GSM and GSL housings only.
- 24 Compatible with sag lens vertical optics only.

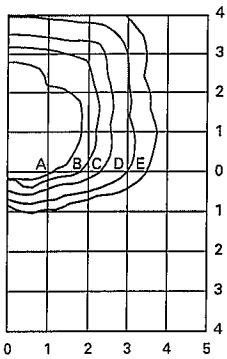
STOCK SAMPLE NUMBER (Lamp Included):

SAMPLE NUMBER: GSM-AI-400-MP-MT-AS-FG-BZ-L

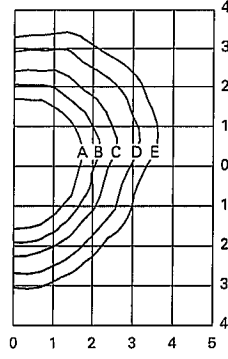


NOTES (stock): Other options not available with stock products. ¹ Only available with 1000W.

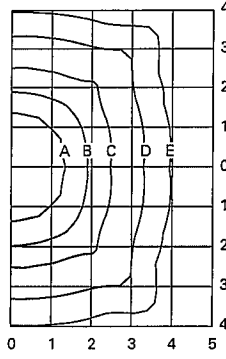
PHOTOMETRICS



GSM-XX-1000-MH-SL-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Spill Light Eliminator
Flat Glass



GSM-XX-1000-MH-3V-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical
Flat Glass



GSM-XX-1000-MH-AS-SG
1000-Watt MH
110,000-Lumen Clear Lamp
Area Square
Flat Glass

Footcandle Table

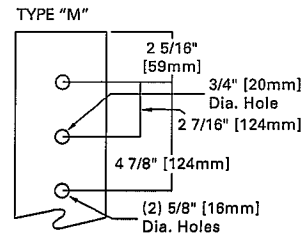
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
1000W [SL] / 400W [AR]					
25'	2.88	1.44	0.72	0.29	0.14
30'	2.00	1.00	0.50	0.20	0.10
35'	1.46	0.73	0.37	0.15	0.07
1000W [3V/AS]					
30'	3.50	2.00	1.00	0.50	0.20
35'	2.60	0.73	0.37	0.18	0.07
40'	2.00	1.00	0.50	0.20	0.10

WATTAGE TABLE

Fixture Size	Wattage
GSS	
Pulse Start Metal Halide (MP)	70, 100, 150W
High Pressure Sodium (HPS)	70, 100, 150W
Metal Halide (MH)	175W
GSM	
Pulse Start Metal Halide (MP)	70, 100, 150, 175, 200, 250, 320, 350, 400, 450, 750, 875, 1000W
High Pressure Sodium (HPS)	70, 100, 150, 250, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
GSL	
Pulse Start Metal Halide (MP)	250, 320, 350, 400, 450, 750, 1000W
High Pressure Sodium (HPS)	250, 400, 750, 1000W
Metal Halide (MH)	250, 400, 1000W

DRILL PATTERN



DESCRIPTION

Galleria's beauty and versatility make it an excellent choice for roadway and general area lighting applications. An aesthetic reveal in the formed aluminum housing gives the Galleria a distinctive look while a variety of mounting options and lamp wattages provide maximum flexibility.

Galleria's superior light distributions makes it the optimum choice for almost any small, medium or large area lighting application.

Catalog #	GSM-AM-750-MP-MT-AS-FG	Type	C
Project	Smash Burger/W.Town Mall	Date	7.7.09
Comments			
Prepared by	Dale Young		

SPECIFICATION FEATURES

A ... Housing

Formed aluminum housing with stamped reveal has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat. U.L. listed and CSA certified for wet locations.

B ... Ballast Tray

Ballast tray is hard-mounted to housing interior for cooler operation.

C ... Reflector

Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are

clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring plugs and are field rotatable in 90° increments.

D ... Door

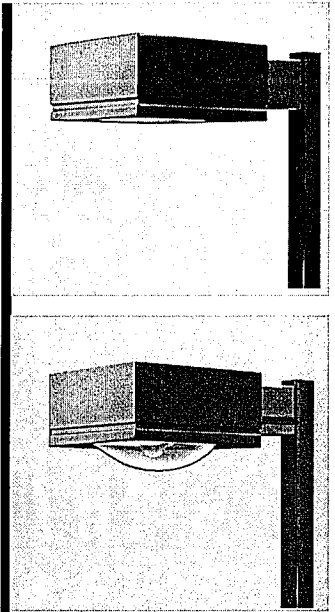
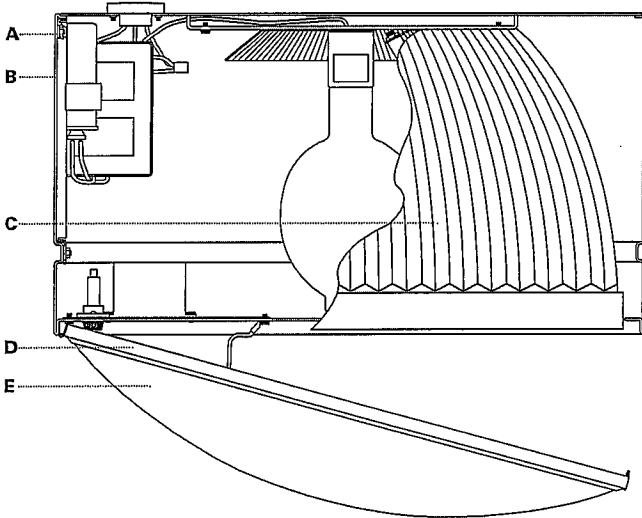
Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat. (Spider mount unit has steel door.)

E ... Lens

Convex tempered glass lens or flat glass.

F ... Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during assembly. Specify arm-included mounting for contractor-friendly single carton packaging of housing and arm.



**GSS/GSM/GSL
GALLERIA
SQUARE**

70 - 1000W
Pulse Start Metal Halide
High Pressure Sodium
Metal Halide

**ARCHITECTURAL
AREA LUMINAIRE**

ENERGY DATA

- CWA Ballast Input Watts
- 150W MP HPF (185 Watts)
- 175W MP HPF (198 Watts) ©
- 250W MP HPF (283 Watts) ©
- 250W HPS HPF (295 Watts)
- 400W MP HPF (452 Watts) ©
- 400W HPS HPF (457 Watts)
- 750W MP HPF (820 Watts)
- 1000W MH HPF (1080 Watts)
- 1000W HPS HPF (1100 Watts)

EPA

Effective Projected Area: (Sq. Ft.)

[Without Arm]

GSS: 1.20 GSM: 2.40 GSL: 3.90

[Spider Mount]

GSS: 1.53 GSM: 2.86 GSL: 4.45

SHIPPING DATA

Approximate Net Weight:

GSS: 36 lbs. (16 kgs.)

GSM: 79 lbs. (36 kgs.)

GSL: 88 lbs. (40 kgs.)



DIMENSIONS

	Arm Mount				Spider Mount	
	A	B	C	D	E	F
FIXTURE						
GSS (in.)	9 1/4	1 1/2	12 7/8	15 5/8	6 or 9	3 1/4
(mm)	235	38	327	397	152 or 229	337
GSM (in.)	11	3 1/2	19 1/4	21 3/4	6 or 14	15 or 16
(mm)	279	89	480	552	152 or 356	381 or 406
GSL (in.)	14 1/2	4 1/4	25 7/8	27	6 or 14	18 3/4 or 19 3/4
(mm)	368	108	657	686	152 or 356	476 or 502

NOTE: Top cap used on GSM with 1000W flat glass vertically lamped optics only.

ORDERING INFORMATION

Sample Number: GSM-AM-400-MP-MT-3V-SG-BK-L

GSM	AM	150	MP	MT	AS	FG	BZ	L	MA1007
-----	----	-----	----	----	----	----	----	---	--------

Product Family
GSS: Galleria Square Small
GSM: Galleria Square Medium
GSL: Galleria Square Large

Lamp Wattage
MP
 70: 70W
 100: 100W
 150: 150W
 200: 200W
 250: 250W
 320: 320W
 350: 350W
 400: 400W⁵
 450: 450W
 750: 750W
 875: 875W
 1000: 1000W⁷
HPS
 70: 70W
 100: 100W
 150: 150W
 250: 250W
 400: 400W
 750: 750W
 1000: 1000W⁷
MH⁵
 175: 175W
 250: 250W
 400: 400W
 1000: 1000W⁷

Lamp Type
MP: Pulse Start Metal Halide
HPS: High Pressure Sodium
MH: Metal Halide⁵
Voltage⁵
 120: 120V
 208: 208V
 240: 240V
 277: 277V
 480: 480V
MT: Multi-Tap¹⁰
TT: Triple-Tap¹⁰
ST: 5-Tap¹¹

Distribution
Horizontal Lamp
1F: Type I Formed¹²
2F: Type II Formed
2S: Type II Segmented¹³
3F: Type III Formed
3S: Type III Segmented¹³
4S: Type IV Segmented¹³
5S: Type V Segmented¹³
FT: Forward Throw
SL: Spill Light Eliminator¹⁴
CA: Cutoff Asymmetric with EHS
Vertical Lamp
AR: Area Round
AS: Area Square
3V: Type III Vertical
RW: Rectangular Wide¹⁵

Lens Type
FG: Flat Glass¹⁶
SG: Sag Glass

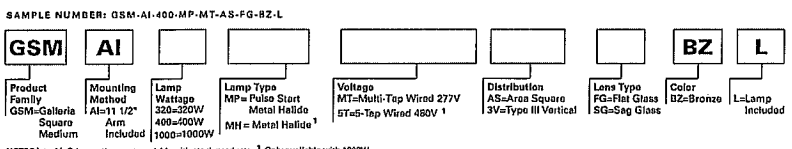
Color¹⁷
AP: Grey
BZ: Bronze
BK: Black
WH: White
DP: Dark Platinum
GM: Graphite Metallic

Options¹⁸
F: Single Fuse (120, 277 or 347V)
FF: Double Fuse (208, 240 or 480V)
L: Lamp Included
EM: Quartz Restrike w/¹⁹ Delay
Q: Quartz Restrike¹⁹
R: NEMA Twistlock Photocontrol Receptacle
HS: House Side Shield²⁰
EHS: External Adjustable House Side Shield
VS: Vandal Shield²¹

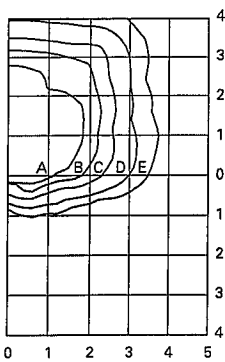
Accessories²²
GSM-EXTHS: External House Side Shield - 2.24 EPA
GSL-EXTHS: External House Side Shield - 2.46 EPA
MA1004XX: 14" Arm for Square Pole. 1.0 EPA²³
MA1005XX: 6" Arm for Square Pole. 0.5 EPA²³
MA1006XX: Direct Mount Kit for Square Pole²³
MA1007XX: 14" Arm for Round Pole. 1.0 EPA²³
MA1008XX: 6" Arm for Round Pole. 0.5 EPA²³
MA1009XX: Direct Mount Kit for Round Pole²³
MA1021XX: 6" Arm for Square Pole. 0.5 EPA²³
MA1022XX: 6" Arm for Round Pole. 0.5 EPA²³
MA1023XX: 9" Arm for Square Pole. 0.5 EPA²³
MA1024XX: 9" Arm for Round Pole. 0.5 EPA²³
MA1029XX: Wall Mount Bracket with 10" Arm
MA1046XX: Wall Mount Brackets
MA1208XX: 11 1/2" Arm and Round Pole Adapter - 0.8 EPA
OA1066XX: Mast Arm Adapter
MA1021XX: Single Tenon Adapter for 3 1/2" O.D. Tenon
MA1011XX: 2@120° Tenon Adapter for 3 1/2" O.D. Tenon
MA1012XX: 3@120° Tenon Adapter for 3 1/2" O.D. Tenon
MA1013XX: 4@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1014XX: 2@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1015XX: 2@120° Tenon Adapter for 3 1/2" O.D. Tenon
MA1016XX: 3@90° Tenon Adapter for 3 1/2" O.D. Tenon
MA1017XX: Single Tenon Adapter for 2 3/8" O.D. Tenon
MA1018XX: 2@180° Tenon Adapter for 2 3/8" O.D. Tenon
MA1019XX: 3@120° Tenon Adapter for 2 3/8" O.D. Tenon
MA1045XX: 4@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1048XX: 2@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1049XX: 3@90° Tenon Adapter for 2 3/8" O.D. Tenon
MA1060: House Side Shield for GSS (Field Installed)²⁴
MA1061: House Side Shield for GSM (Field Installed)²⁴
MA1062: House Side Shield for GSL (Field Installed)²⁴
OA/RA1016: NEMA Twistlock Photocontrol - Multi-Tap
OA/RA1027: NEMA Twistlock Photocontrol - 480V

- Notes: 1 Arm not included. See Accessories.
 2 Arm length varies based on housing size: 9" for GSS, 11-1/2" for GSM and 14" for GSL.
 3 Available on GSS housing only.
 4 Available on GSL housing only.
 5 Standard with medium-base sockets in GSS housing. Mogul-base sockets in GSM and GSL housings. Wattage availability varies by housing size - see Wattage Table.
 6 Requires reduced envelope ED-28 lamp when used with GSM housing and flat glass vertically lamped optics.
 7 Requires reduced envelope BT-37 lamp when used with GSM housing.
 8 175, 250 and 400W MH available for non-US markets only.
 9 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
 10 Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V.
 11 5-Tap ballast is 120/2008/240/277/480V wired 480V. Only available in 400-1000W.
 12 Medium housing fixture only.
 13 Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. Not available in GSL housing.
 14 Must use reduced envelope lamp, not available in GSL housing.
 15 RW optic not available with flat glass.
 16 1000W GSL with flat glass requires BT-37 lamp and is not available in AS, RW, SL or 3V distributions.
 17 Other finish colors available, including a full line of RAL color matches. Consult your Cooper Lighting Representative.
 18 Add as suffix in the order shown.
 19 Quartz options not available with SL optics.
 20 House side shield not available with 5S, RW, AS, AR, SL and CA optics.
 21 Arm mount only, 400W Maximum.
 22 Order separately, replace XX with color suffix.
 23 Available on GSM and GSL housings only.
 24 Compatible with sag lens vertical optic only.

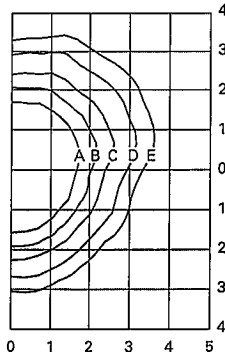
STOCK SAMPLE NUMBER (Lamp Included):



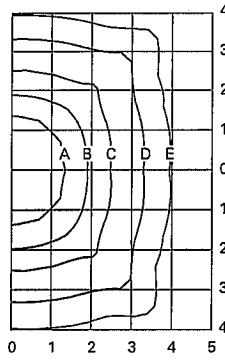
PHOTOMETRICS



GSM-XX-1000-MH-SL-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Spill Light Eliminator
Flat Glass



GSM-XX-1000-MH-3V-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical
Flat Glass



GSM-XX-1000-MH-AS-SG
1000-Watt MH
110,000-Lumen Clear Lamp
Area Square
Flat Glass

Footcandle Table

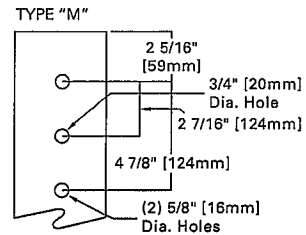
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
1000W [SL] / 400W [AR]					
25'	2.88	1.44	0.72	0.29	0.14
30'	2.00	1.00	0.50	0.20	0.10
35'	1.46	0.73	0.37	0.15	0.07
1000W [3V/AS]					
30'	3.50	2.00	1.00	0.50	0.20
35'	2.60	0.73	0.37	0.18	0.07
40'	2.00	1.00	0.50	0.20	0.10

WATTAGE TABLE

Fixture Size	Wattage
GSS	
Pulse Start Metal Halide (MP)	70, 100, 150W
High Pressure Sodium (HPS)	70, 100, 150W
Metal Halide (MH)	175W
GSM	
Pulse Start Metal Halide (MP)	70, 100, 150, 175, 200, 250, 320, 350, 400, 450, 750, 875, 1000W
High Pressure Sodium (HPS)	70, 100, 150, 250, 400, 750, 1000W
Metal Halide (MH)	175, 250, 400, 1000W
GSL	
Pulse Start Metal Halide (MP)	250, 320, 350, 400, 450, 750, 1000W
High Pressure Sodium (HPS)	250, 400, 750, 1000W
Metal Halide (MH)	250, 400, 1000W

DRILL PATTERN

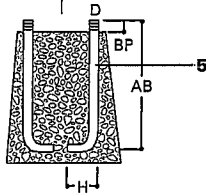
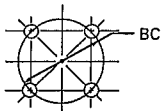
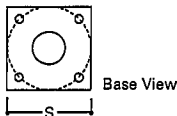
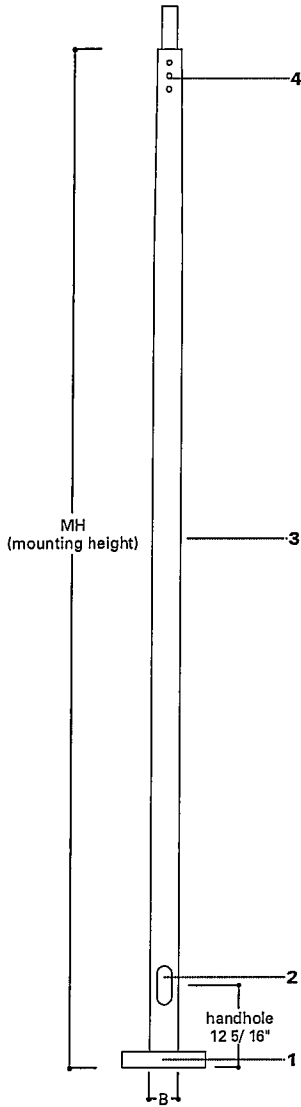


TYPE: B2 & C

CATALOG #: RTSBA325FM

COOPER LIGHTING®

DETAILS



SPECIFICATION FEATURES

- 1...ASTM Grade steel base plate with ASTM A366 base cover.
- 2...Hand hole assembly 3" x 5" on on RTS poles.
- 3...Steel shaft minimum yield 55,000 PSI. Shot blasted and painted with polyester powder coat.
- 4...Drilled or Tenon (specify).
- 5...Anchor bolt per ASTM A576 with (2) nuts, (2) flat washer, and (1) lock washer. Nuts, washers and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

FOUR BOLT ANCHORAGE (see ordering information)

- BC=Bolt Circle
- BP=Bolt Projection
- AB=Bolt Dimensions
- D=Bolt Diameter
- H=Bolt Dimensions

FINISH COLORS

- F=Dark Bronze
- G=Galvanized
- S=Silver
- V=Grey
- W=White
- Y=Black

RTSROUND
TAPERED STEEL

20' - 50'
Mounting Height

ROUND TAPERED STEEL



ORDERING INFORMATION

The following information illustrates the correct way to enter an order for **RTS8A30SF2XXG**. The ordering designation is detailed as follows.

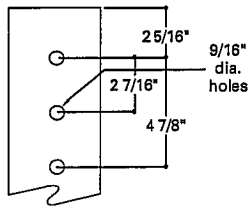
Round	Tapered	Steel	Shaft ³ Size	Wall Thickness	Mounting Height (ft.)	Base Type	Finish	Fixture Mounting & Type	No. & Location of Arms	Arm Lengths	Accessories (Ground Lug)
R	T	S	8	A	30	S	F	2	X	X	G

Mtg. Height	Catalog Number ^{1,2}	Wall Thickness	Base Square (In.)	Bolt Circle Dia. (In.)	Bolt Proj. (In.)	Shaft Size (In.)	Anchor Bolt Dia. & Length (In.)	Net. Wt. (Lbs.)	EPA (Sq. Ft.) ⁴ At Pole Top				EPA (Sq. Ft.) ⁴ 2' Above Pole Top				Max. Fixture Load—Include Bracket (Lbs.)
MH			S	BC	BP	B	AB		70	80	90	100	70	80	90	100	
20	RTS6A20SF	.120	10 1/2	11.0	4 1/2	6.3 x 3.5	3/4 x 25 x 3	173	29.8	22.7	17.8	14.3	27.1	20.6	16.2	13.1	400
25	RTS7A25SF	.120	10 1/2	11.0	4 1/2	7.0 x 3.5	3/4 x 25 x 3	214	28.1	21.4	16.7	13.4	26.0	19.8	15.5	12.5	400
30	RTS8A30SF	.120	12 1/2	12.5	5	7.7 x 3.5	1 x 36 x 4	290	24.0	18.2	14.2	11.3	22.5	17.0	13.3	10.6	400
32	RTS8A32SF	.120	12 1/2	12.5	5	8.4 x 3.5	1 x 36 x 4	342	23.0	17.3	13.5	10.5	21.7	16.4	12.7	9.9	400
35	RTS9D35SF	.180	12 1/2	12.5	5	8.4 x 3.5	1 x 36 x 4	482	38.9	29.6	23.2	18.3	36.8	28.0	21.9	17.3	400
39	RTS9A39SF	.120	12 1/2	12.5	5	8.9 x 3.5	1 x 36 x 4	341	21.5	16.2	12.4	9.5	20.5	15.4	11.8	9.0	400
39	RTS9D39SF	.180	12 1/2	12.5	5	8.9 x 3.5	1 x 36 x 4	536	38.2	29.0	22.5	17.7	36.4	27.6	21.4	16.8	400
45	RTS0A45SF ⁵	.120	13 1/2	13.5	5	10.2 x 4.2	1 x 36 x 4	546	23.5	17.4	12.9	9.7	22.5	16.6	12.4	9.3	450
45	RTS0D45SF ⁵	.180	13 1/2	13.5	6	10.2 x 4.2	1 1/4 x 42 x 6	682	44.1	33.2	25.4	19.8	42.2	31.7	24.3	19.0	450
50	RTS0A50SF ⁵	.120	13 1/2	13.5	5	10.2 x 3.5	1 x 36 x 4	550	15.2	11.0	7.9	5.7	14.8	10.6	7.6	5.4	450
50	RTS0D50SF ⁵	.180	13 1/2	13.5	6	10.2 x 3.5	1 1/4 x 42 x 6	719	31.0	23.1	17.5	13.4	29.8	22.2	16.8	12.9	450

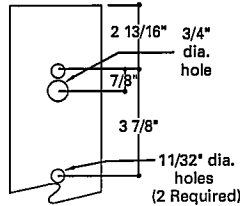
NOTES: ¹ Catalog number includes pole with anchor bolts with double nuts (BEFORE INSTALLING ANCHOR BOLTS MAKE SURE PROPER ANCHOR BOLT TEMPLATE IS OBTAINED FROM COOPER LIGHTING). ² Tenon size or machining for rectangular arms must be specified. Hand hole is located 180° from single arm. ³ Shaft size, base plate, anchor bolts and projections may vary slightly—all dimensions nominal. ⁴ EPA's based on shaft properties with wind normal to flat. EPA's calculated using base wind velocity as indicated plus 30% gust factor. ⁵ Two piece pole. Shipped in two sections and is easily joined together at the job site by slip-fitting together.

DRILLING PATTERN

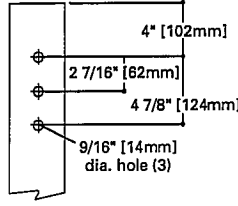
Type "M"



Type "E"

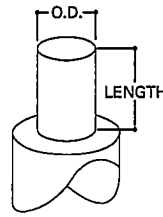


Type "Z"



MOUNTING OPTIONS (add as suffix)

Fixed Tenon



Designation Number	O.D. (In.)	Length (In.)
1	2 3/8	3 1/2
2	2 3/8	4
3	3 1/2	5
9	3	4

Type "M" Drill Pattern = Hammer, Landau, Galleria, and Vision Area

Type "E" Drill Pattern = Concourse III

Type "Z" Drill Pattern = Credenza and Cirrus

MACHINING FOR RECTANGULAR ARMS (add as suffix)

Designation Letter & Number	Designation (UCS Only) Letter & Number	Designation (Cirrus / Credenza Only) Letter & Number	Quantity & Location
M1	E1	Z1	Single
M2	E2	Z2	2 @ 180°
M3	E3	Z3	3 @ 120°
M4	E4	Z4	4 @ 90°
M5	E5	Z5	2 @ 90°
M6	E6	Z6	3 @ 90°
M7	E7	Z7	2 @ 120°

ACCESSORIES

- A=1/2" tapped hub¹
- B=3/4" tapped hub¹
- C=Convenience outlet²
- G=Grounding lug (max. wire #8 AWG)
- H=Additional hand hole and cover—12" below pole top—90° from hand hole.

NOTES: ¹ Location is 3' above base—90° from hand hole.
² Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only.

NOTE: Specifications and dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com

Customer First Center 1121 Highway 74 South Peachtree City, GA 30269 770.486.4800 FAX 770.486.4801 ADH020020

Proposed Retail Development
 at
7017 Mineral Point Road
 2.529 Acres Zone: C3L
 Out Parcel of the Greater West Towne development

Initial/Final Approval Presentation to the Urban Design Commission
August 5, 2009



Location Map
 (Not to Scale)

On behalf of CBL & Associates Properties, it is ka Incorporated's pleasure to present to the Urban Design Commission of the City of Madison our design for a proposed 6,000 square foot retail development. Located on the site of the existing West Towne Mall, the property sits at the prominent corner of Mineral Point Road and Gammon Road. The building will be comprised of an up-and-coming restaurant tenant and retail space for one or two future tenants. SmashBurger, a sleek, fast casual restaurant named for the unique way they prepare their grilled sandwiches, will bring their novel dining concept to the north side of the development in a 2,000 s.f. space, with an outdoor dining patio facing Mineral Point Road. The remaining 4,000 s.f. will be developed as a "shell" building that will provide attractive, yet flexible lease space for its future occupants.

The proposed building will enjoy high visibility from multiple directions. Traffic generated from U.S. 12/14 to the south, existing shopping and dining at West Towne Mall, and the upcoming arrival of a Longhorn Steakhouse on the same parcel make the site highly leasable and ideal for development. The intent of the design was to create a building that would not only meet the needs of modern retail tenants, but also serve as a feature piece for the Greater West Towne area.

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Location Map and Narrative

SITE DATA:

SITE ZONING: C3L (COMMERCIAL SERVICE DISTRIBUTION DISTRICT)

SITE AREA: 2.529 Ac. (110,163 SF)

FLOOR AREA: 4,000 sf RETAIL
2,000 sf SMASHBURGER (RESTAURANT)
5,695 sf LONGHORN (RESTAURANT)
11,695 sf TOTAL

F.A.R.: .1069 (<3.0) (11,695 SF / 110,163 SF)

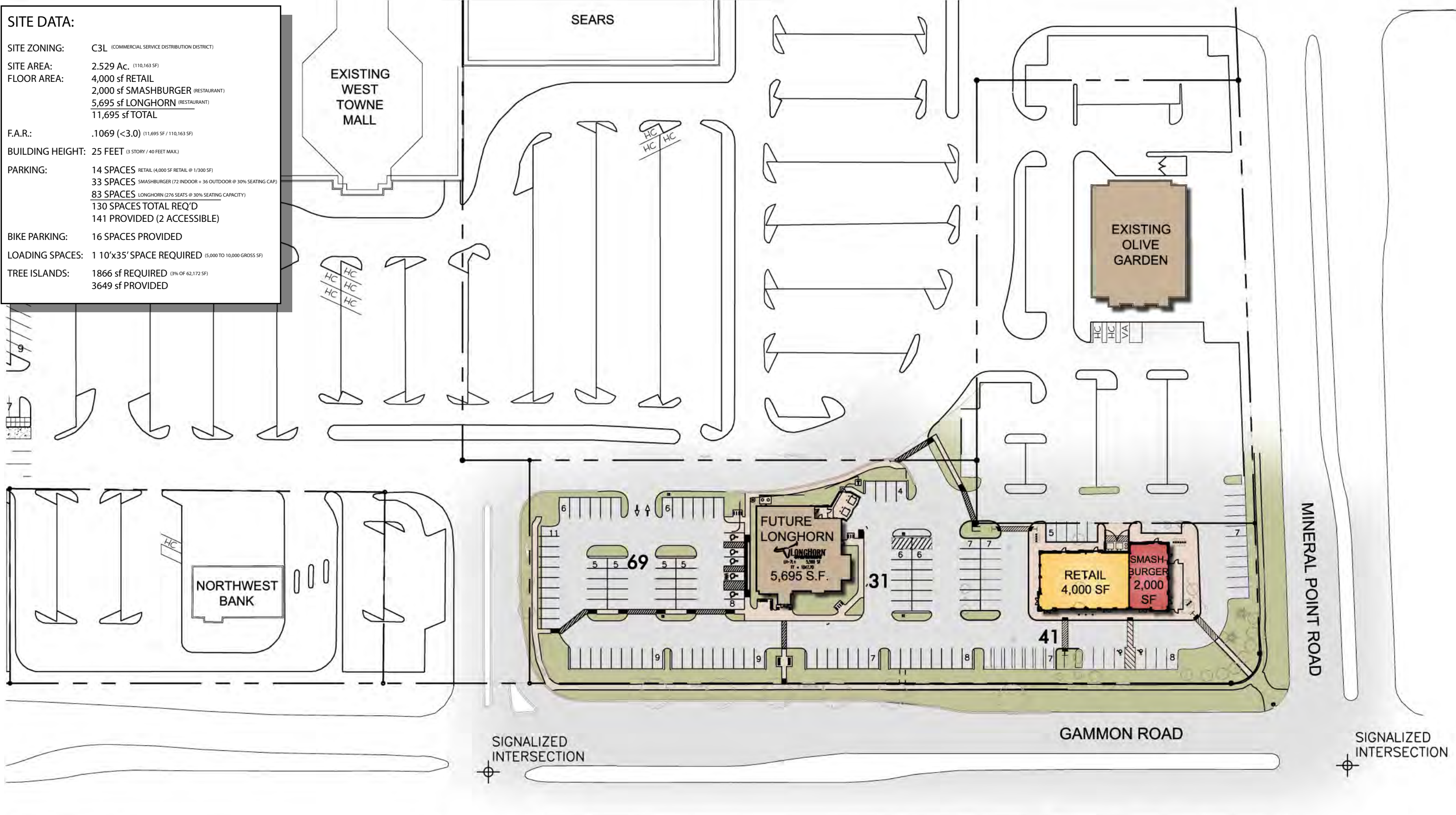
BUILDING HEIGHT: 25 FEET (3 STORY / 40 FEET MAX.)

PARKING: 14 SPACES RETAIL (4,000 SF RETAIL @ 1/300 SF)
33 SPACES SMASHBURGER (72 INDOOR + 36 OUTDOOR @ 30% SEATING CAP.)
83 SPACES LONGHORN (276 SEATS @ 30% SEATING CAPACITY)
130 SPACES TOTAL REQ'D
141 PROVIDED (2 ACCESSIBLE)

BIKE PARKING: 16 SPACES PROVIDED

LOADING SPACES: 1 10'x35' SPACE REQUIRED (5,000 TO 10,000 GROSS SF)

TREE ISLANDS: 1866 sf REQUIRED (3% OF 62,172 SF)
3649 sf PROVIDED



(See enlarged site plan, sheet UDC-3)

Overall Site Plan and Data



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West Towne Mall



Olive Garden



Office use across Mineral Point Rd.



Existing Site



Existing Site



Existing pedestrian connection



Looking north from Gammon Road



Looking west down Mineral Point Road



FRONT ELEVATION

Future Longhorn



Existing Smokey Bones (to be demolished)

Contextual Site Information and Existing Site Photos

7017 Mineral Point Road - Proposed Development

MADISON, WISCONSIN



CBL & ASSOCIATES PROPERTIES, INC.



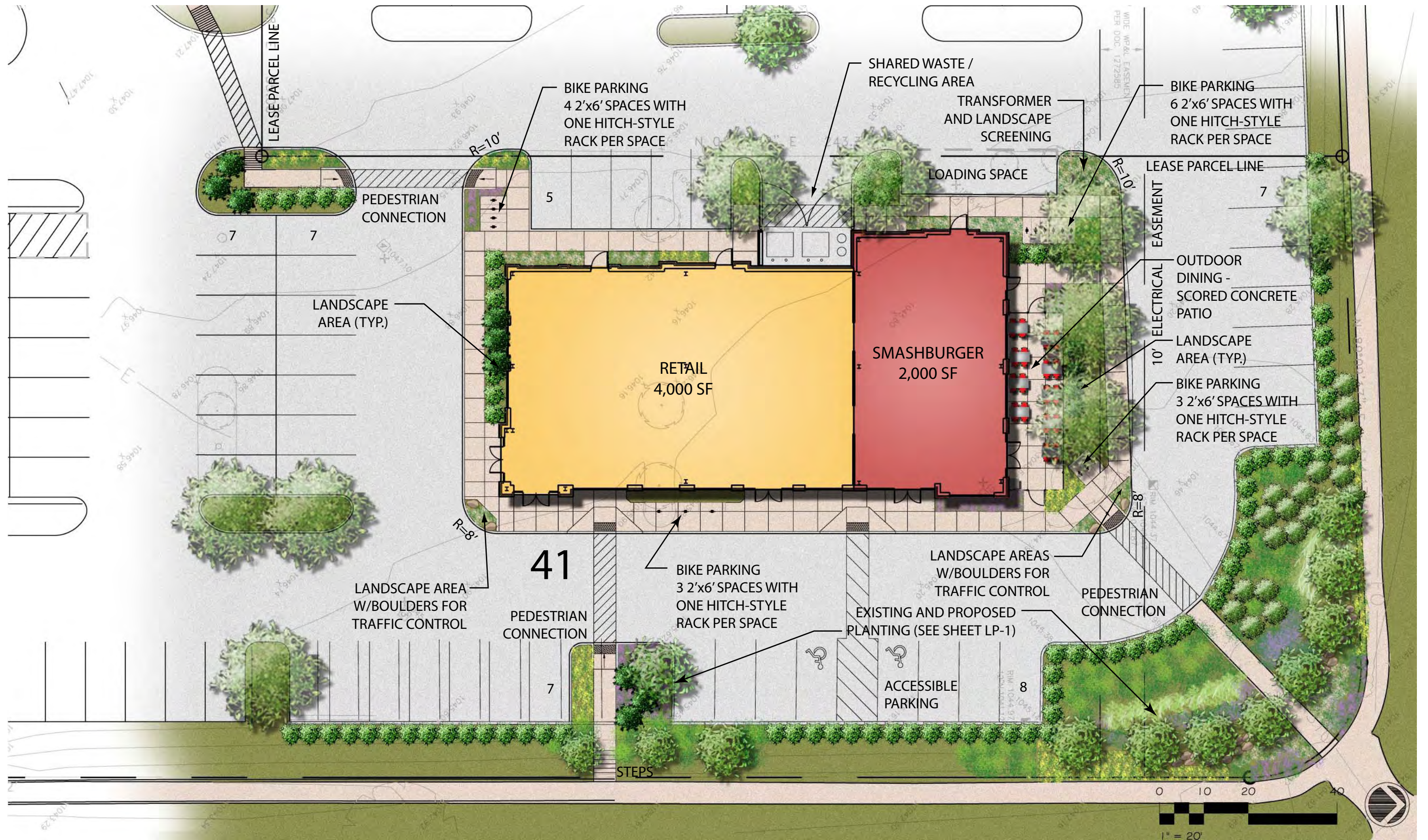
UDC-2

August 5, 2009

ka# 09007-01

216.781.9144 ka-inc.com

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Enlarged Site Plan

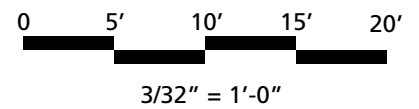
7017 Mineral Point Road - Proposed Development
MADISON, WISCONSIN



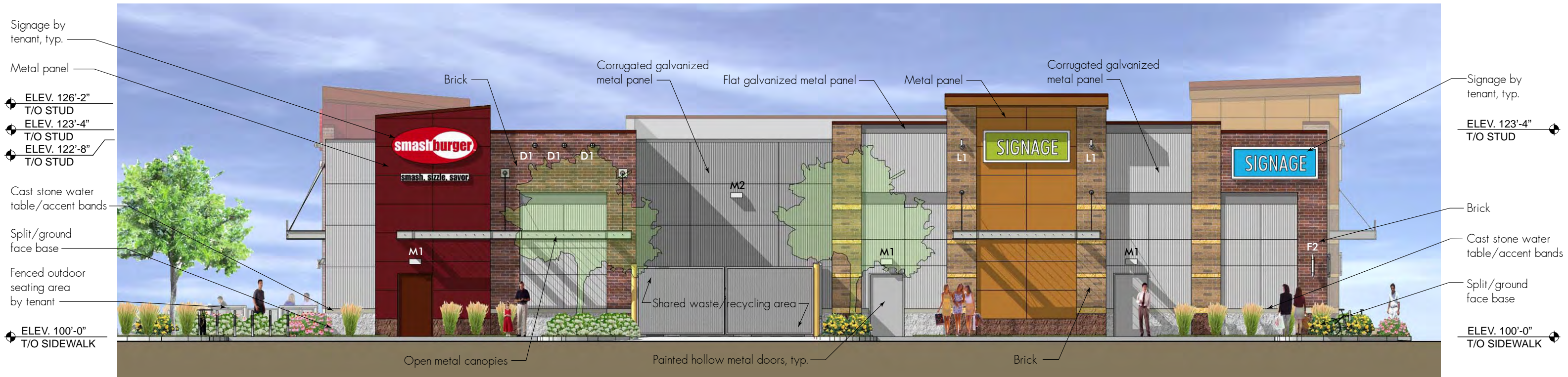
East Elevation



North Elevation



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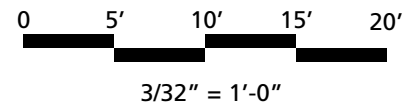


West Elevation



South Elevation

Note:
Signage depicted in anticipated locations. Actual signage to be submitted later as separate permit. Landlord signage requirements for the center: signage to be individual letters which are internally illuminated, letters not to exceed 4' in height with total length not exceeding the lesser of 40% of the facade or 30'



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Northeast Perspective



North Perspective



Northwest Perspective

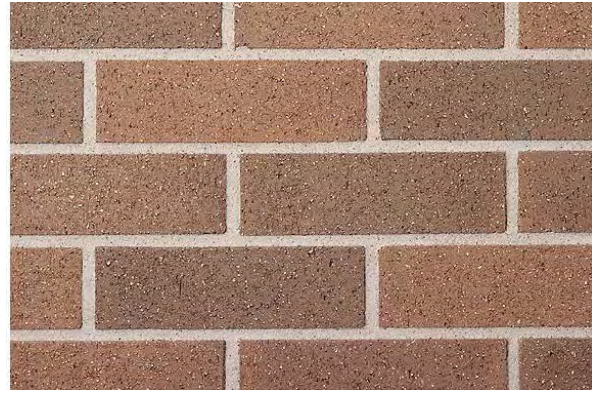


Southwest Perspective

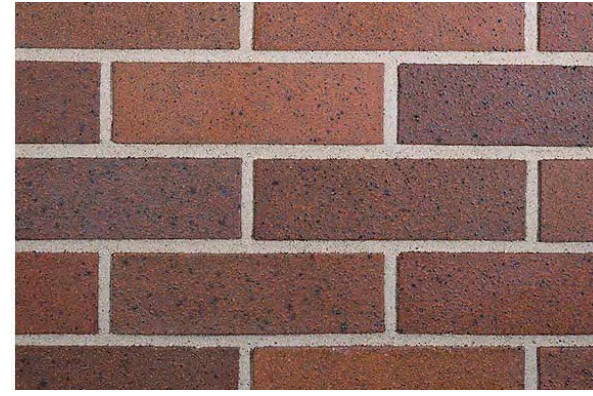
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Alucobond - Russet Mica (metal panels)



Belden Brick Company - 8632 Brown (field brick)



Belden Brick Company - 470-479 Dark (field brick)



Alucobond - Roasted Red Pepper (metal panels)



Reading Rock Rockcast - Marigold GP-C (watertable & accents)



Akron Brick and Block - Dark Burnt Umber (split face base)



Reading Rock Rockcast - Crystal White GP-A (watertable & accents)



Berridge Metals - satin finish galvalume (corrugated metal panels)



Akron Brick and Block - Seashell (split face base)

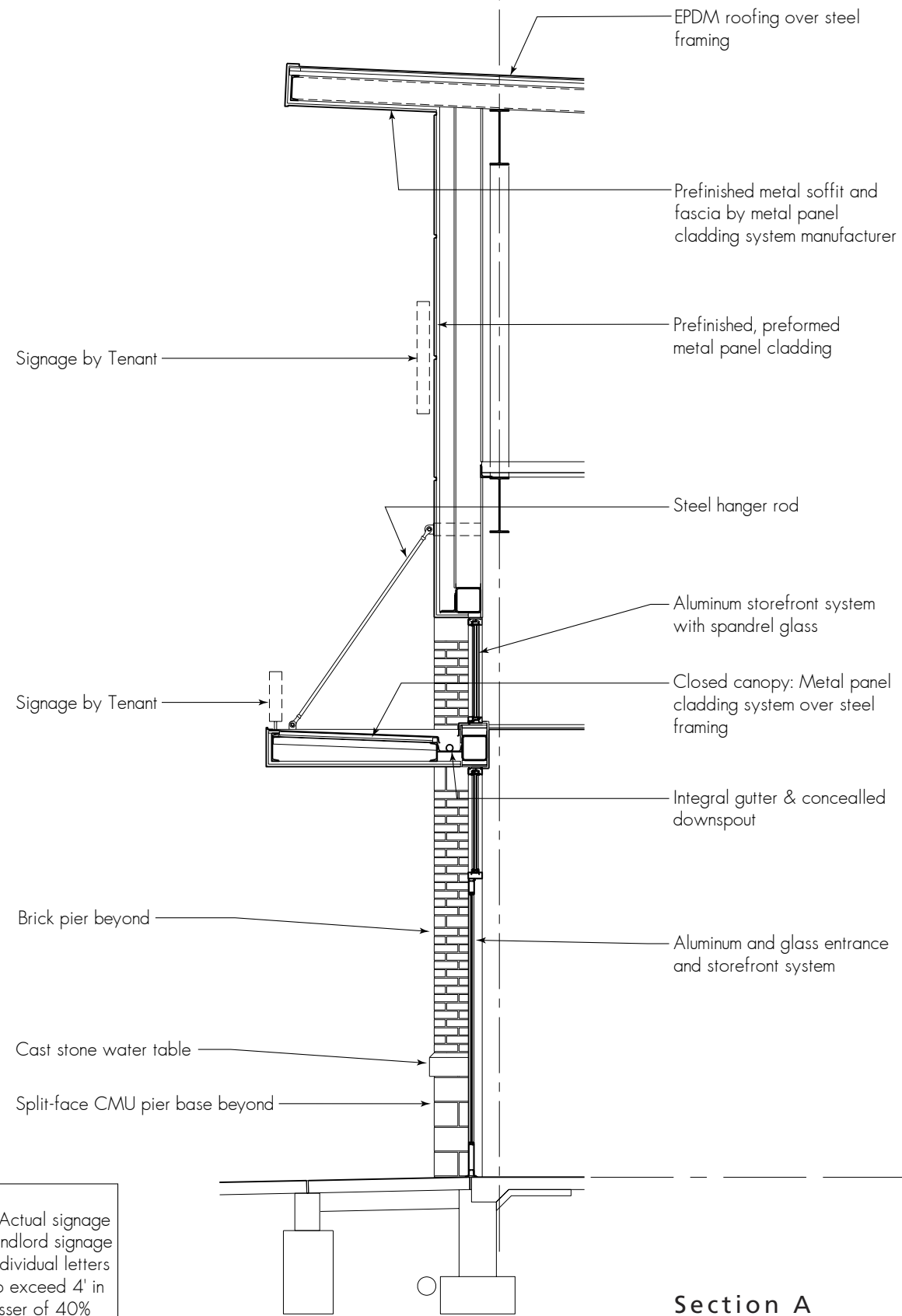


Berridge Metals - preweathered galvalume (flat metal panels)

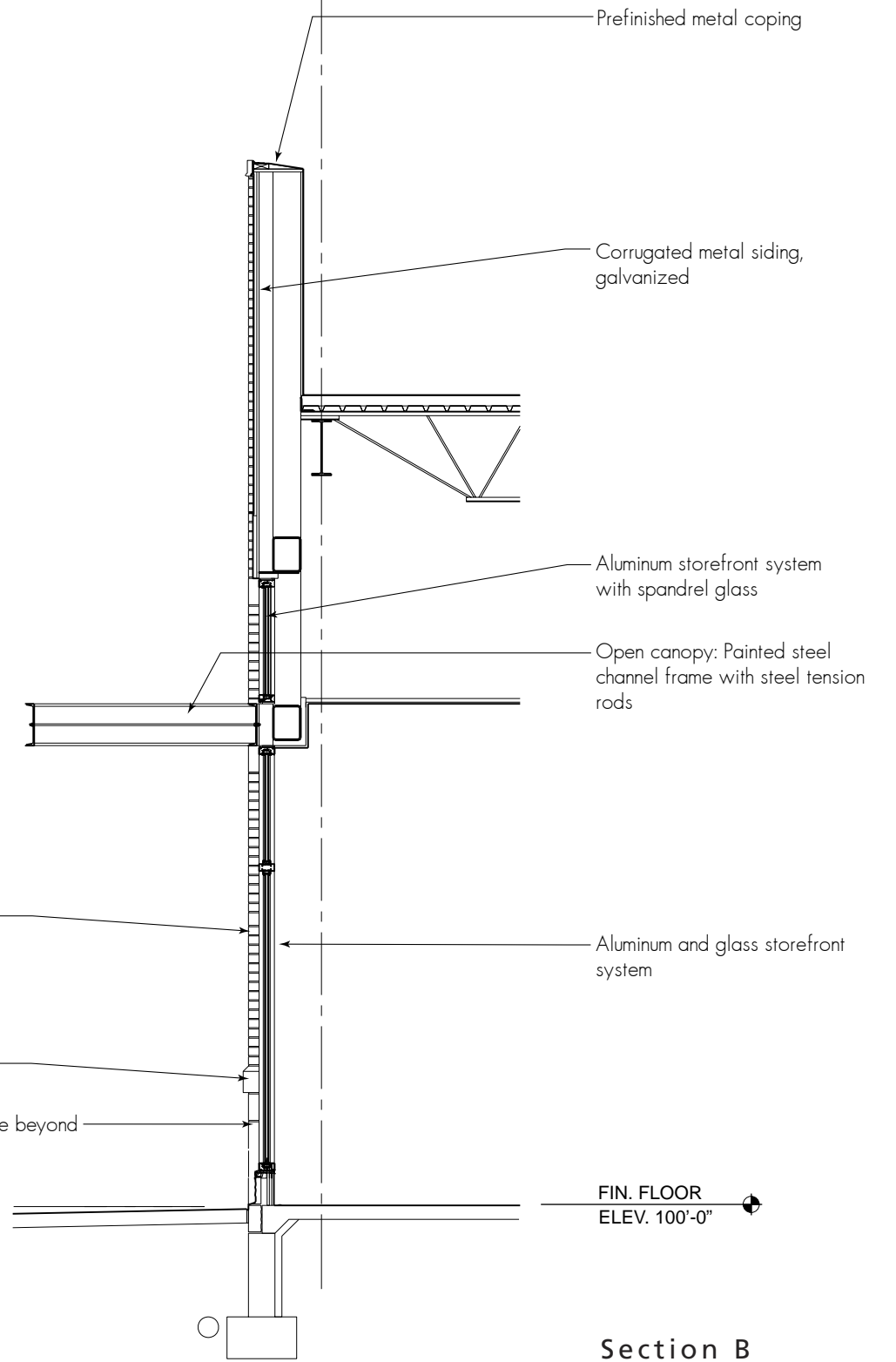
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Materials

7017 Mineral Point Road - Proposed Development
MADISON, WISCONSIN

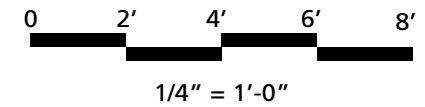


Section A



Section B

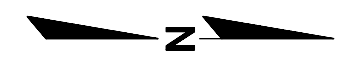
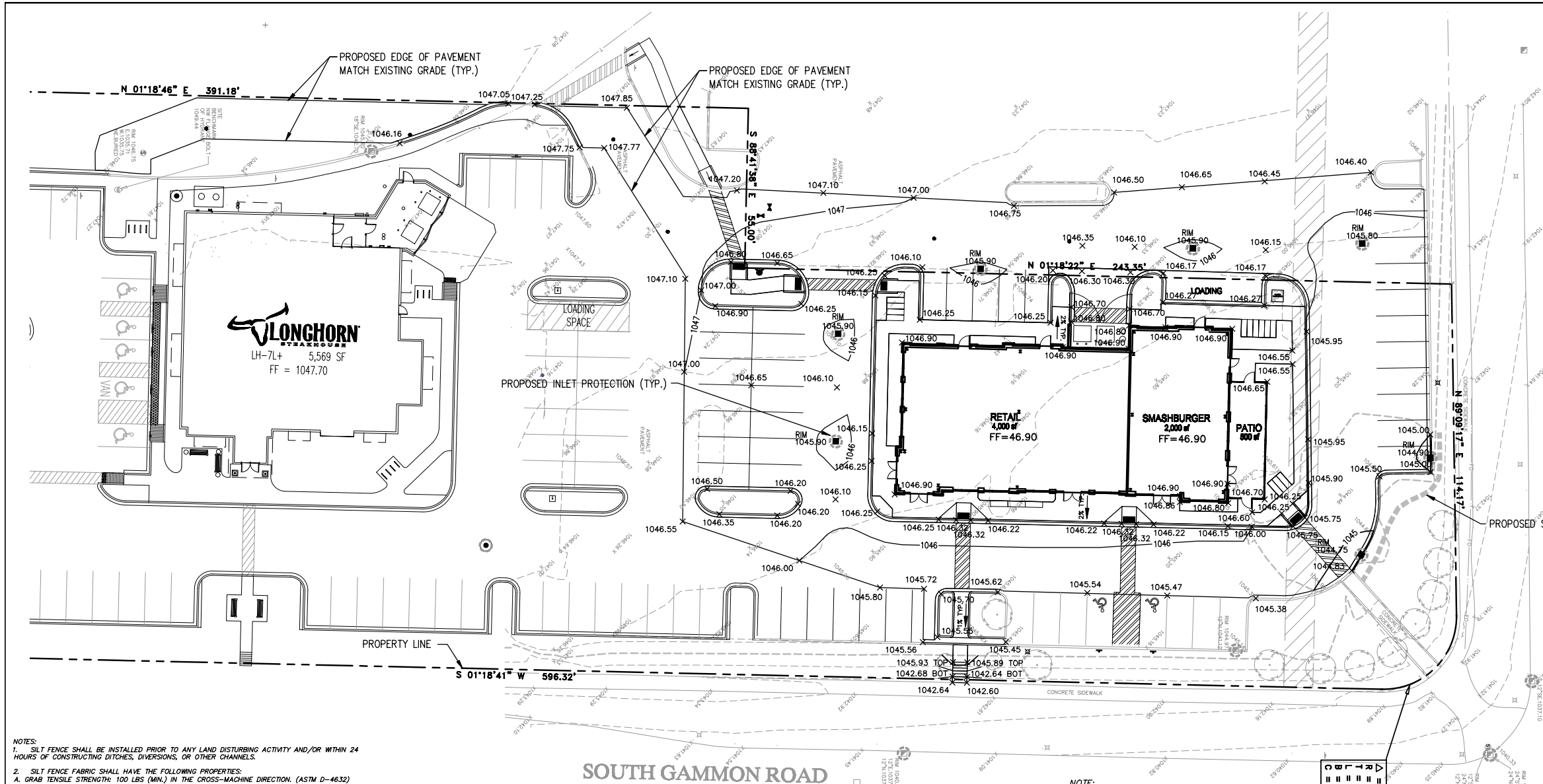
Note:
 Signage depicted in anticipated locations. Actual signage to be submitted later as separate permit. Landlord signage requirements for the center: signage to be individual letters which are internally illuminated, letters not to exceed 4' in height with total length not exceeding the lesser of 40% of the facade or 30'



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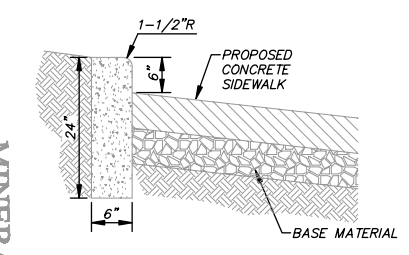
Typical Wall Sections

7017 Mineral Point Road - Proposed Development
 MADISON, WISCONSIN

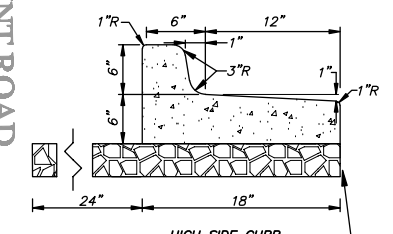


LEGEND

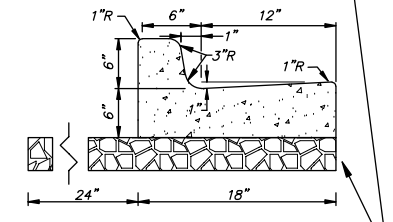
- - - - - EXISTING CONTOUR LINE
- o EXISTING SPOT ELEVATION
- - - - - PROPOSED CONTOUR LINE
- o PROPOSED SPOT ELEVATION
- - - - - PROPOSED SILT FENCE
- o PROPOSED INLET PROTECTION



STANDARD BARRIER CURB
NOT TO SCALE



HIGH SIDE CURB



LOW SIDE CURB

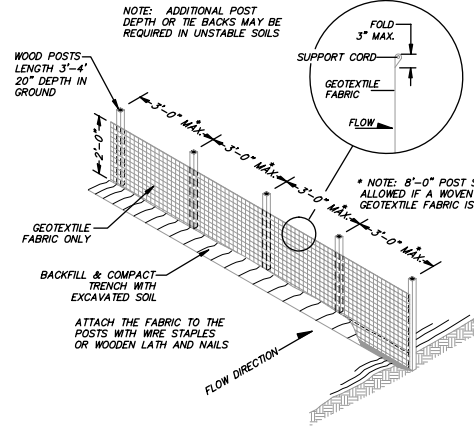
MATCH BOTTOM OF BASE COURSE TO BOTTOM OF BASE COURSE OF ADJACENT PAVEMENT SECTION

- NOTES:**
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY AND/OR WITHIN 24 HOURS OF CONSTRUCTING DITCHES, DIVERSIONS, OR OTHER CHANNELS.
 - SILT FENCE FABRIC SHALL HAVE THE FOLLOWING PROPERTIES:
 - A. GRAB TENSILE STRENGTH: 100 LBS (MIN.) IN THE CROSS-MACHINE DIRECTION. (ASTM D-4632)
 - B. GRAB TENSILE STRENGTH: 120 LBS (MIN.) IN THE MACHINE DIRECTION. (ASTM D-4632)
 - C. MAXIMUM APPARENT OPENING SIZE: NO. 30 (ASTM D-4751)
 - D. MINIMUM PERMITTIVITY: 0.05 (ASTM D-4491)
 - E. ULTRAVIOLET RADIATION STABILITY OF 70% (ASTM D-4355)
 - F. FABRIC CONSISTS OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYL CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE-PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF.
 - G. SILT FENCE SHALL HAVE A MAXIMUM FLOW RATE OF 100 GAL./MIN./SQ. FOOT AT 90 CM CONSTANT HEAD (ASTM D-4491)
 - SILT FENCE SHALL BE PLACED ON THE CONTOUR AND NOT PERPENDICULAR TO THE CONTOUR. THE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE.
 - WHEN SILT FENCE IS INSTALLED ON A SLOPE, THE PARALLEL SPACING SHALL NOT EXCEED THE REQUIREMENTS IN THE TABLE BELOW:

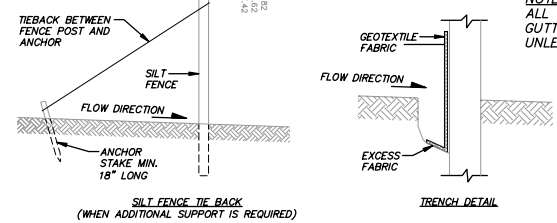
SLOPE	FENCE SPACING
< 2%	100 FEET
2% TO 5%	75 FEET
5% TO 10%	50 FEET
10% TO 33%	25 FEET
> 33%	20 FEET

GENERAL NOTES:

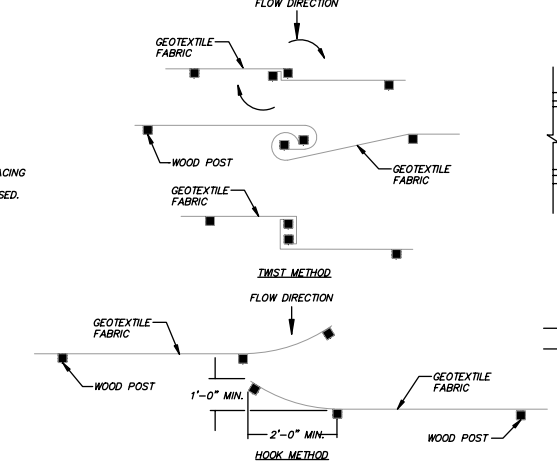
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" X 1 1/2" OF OAK OR HICKORY.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS:
 - A) TWIST METHOD—OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES.
 - B) HOOK METHOD—HOOK THE END OF EACH SILT FENCE LENGTH.



SILT FENCE DETAIL
NOT TO SCALE



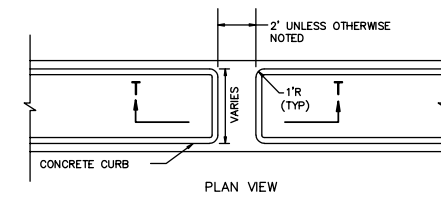
TRENCH DETAIL



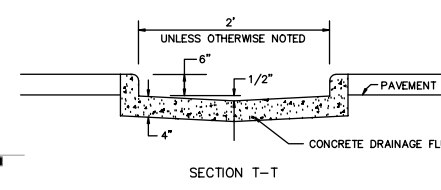
JOINING TWO LENGTHS OF SILT FENCE

NOTE: ALL PROPOSED SPOT GRADES ARE FLOW LINE, GUTTER GRADES OR PROPOSED PAVEMENT GRADES UNLESS OTHERWISE NOTED.

PRELIMINARY
Not For Construction



PLAN VIEW

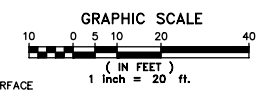


SECTION T-T

DRAINAGE FLUME
NOT TO SCALE

- NOTES:**
- 3500 PSI CONCRETE SHALL BE USED IN CONSTRUCTION OF THE CURB & GUTTER. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SLOPE OF THE GUTTER PAN. 1" PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSELY IN THE CURB AS FOLLOWS:
 - 1) AT EACH JUNCTION OF RADIUS RETURN CURB AND THE CURB WHICH IS PARALLEL TO THE PROJECT CENTER LINE.
 - 2) AT EACH JUNCTION WITH EXISTING CONCRETE CURB & GUTTER.
 - 3) AT EACH JUNCTION WITH EXISTING CONCRETE SIDEWALK, TO THE DEPTH OF THE SIDEWALK.

CONCRETE CURB & GUTTER DETAIL
NOT TO SCALE



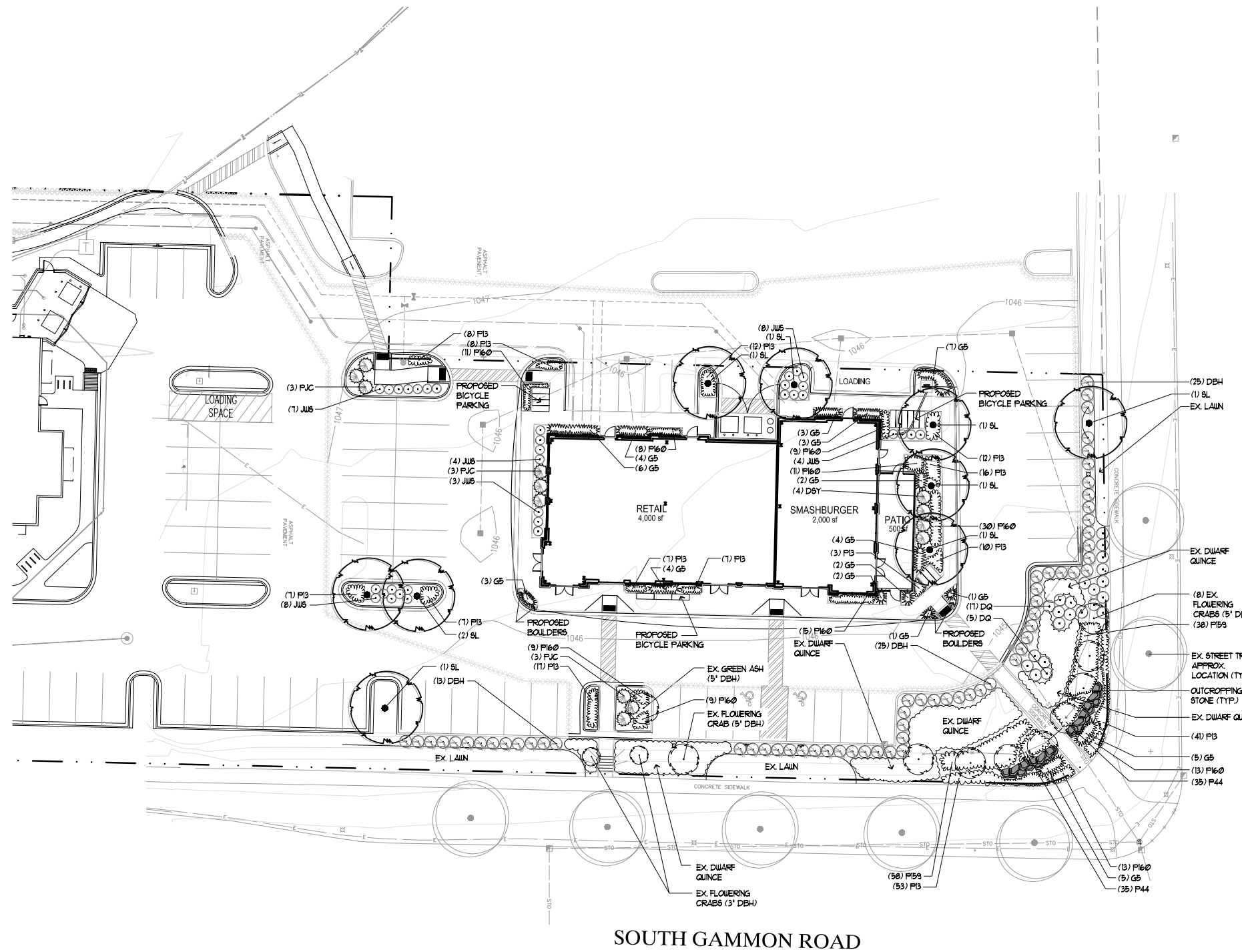
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THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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CONTRACTOR SHALL PROVIDE EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF MADISON EROSION CONTROL ORDINANCE AND THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.

DESCRIPTION	
DATE	
R.A. Smith National <i>Beyond Surveying and Engineering</i>	
16746 W. Bluemound Road, Brookfield, WI 53005-5938 262-781-1000 Fax 262-781-1446 www.ra-smithnational.com	
WEST TOWNE MALL 6K EXPANSION	CITY OF MADISON, WI
GRADING & EROSION CONTROL PLAN	
© COPYRIGHT 2008 R.A. Smith National, Inc. DATE: 7-28-09 SCALE: 1"=20' JOB NO. 3090131 PROJECT MANAGER: RICKY A. SMITH, P.E. DESIGNED BY: RTP CHECKED BY: RAS	
SHEET NUMBER CE-3	



LANDSCAPE WORKSHEET

CITY OF MADISON

I. # of Trees Required	
# of stalls	47
storage area (sf)	0
# of trees required	4
# of trees provided	9

II. Points Required	
points for parking stalls	224
points for loading areas (75 ea)	75
Total Points Required	299
Total Points Provided (see below)	655

Tabulation of Points & Credits

Element	Points	Qty	Ex. Qty	Total Points
Canopy Tree: 2" - 2 1/2"	35	5	1	210
Deciduous Shrub	2	119	54	346
Evergreen Shrub	3	13		39
Decorate Wall or Fence (per 10 LF)	5	0		0
Earth Berm (per 10 LF)				0
	avg. ht 30"	5		0
	avg ht 15"	2		0
Evergreen Trees (3' ht min)	15			0
Canopy Tree or Small Tree (1 1/2" - 2" Cal)	15		4	60
Total				655

PLANT MATERIAL SCHEDULE

SHADE TREES

SYM	AMT.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
SL	9	SKYLINE LOCUST	GLEDITSIA TRICANTHOS 'SKYLINE'	3" CAL	BB	FULL, MATCHING HEADS

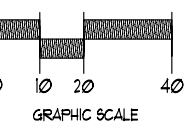
SHRUBS

DBH	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
DBH	63	DWARF BUSH HONEYSUCKLE	DIERVILLA LONICERA	18"	POT	
DQ	22	DWARF QUINCE	CHAENOMELES X SUPERBA	18"	POT	TO MATCH EXISTING
D8Y	4	DENSIFORMIS SPREADING YEW	TAXUS X MEDIA DENSIFORMIS	24" HT	BB	UNIFORM, BALANCED BRANCHING
JUS	34	JAPANESE WHITE SPIREA	SPIRAEA JAPONICA 'ALBIFLORA'	15"	POT	
PJC	9	KALLAY'S COMPACT PRITZER JUNIPER	JUNIFERUS CHINENSIS KALLAY'S	18" DIA	CG	UNIFORM, BALANCED BRANCHING

PERENNIALS & ORNAMENTAL GRASSES

SYM	AMT.	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
PB3	208	DAYLILY 'HAPPY RETURNS'	HEMEROCALLIS 'HAPPY RETURNS'	4 1/2"	POT	18" SPACING
P44	10	PALACE PURPLE CORAL BELL	HEUCHERA MICRANTHA	4 1/2"	POT	5" SPACING
PB9	96	AUGUST LILY	HOSTA PLANTAGINEA	4 1/2"	POT	24" SPACING
P60	128	KIM'S KNEE HIGH PURPLE CONEFLOWER	ECHINACEA PURPUREA KIM'S KNEE HIGH	4 1/2"	POT	18" SPACING
G5	52	KARL FOERSTER REED GRASS	CALAMAGROSTIS ACUTIFLORA KARL FOERSTER	1 GAL.	POT	30" SPACING

MINERAL POINT ROAD



THIS PLAN IS FOR MUNICIPAL REVIEW
NOT FOR BIDDING
OR CONSTRUCTION PURPOSES

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DATE	DESCRIPTION

R.A. Smith National
Beyond Surveying and Engineering
10745 W. Bluemound Road, Brookfield, WI 53005-5938
262-781-1000 Fax: 262-781-8466, www.rasmithnational.com

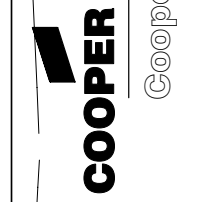
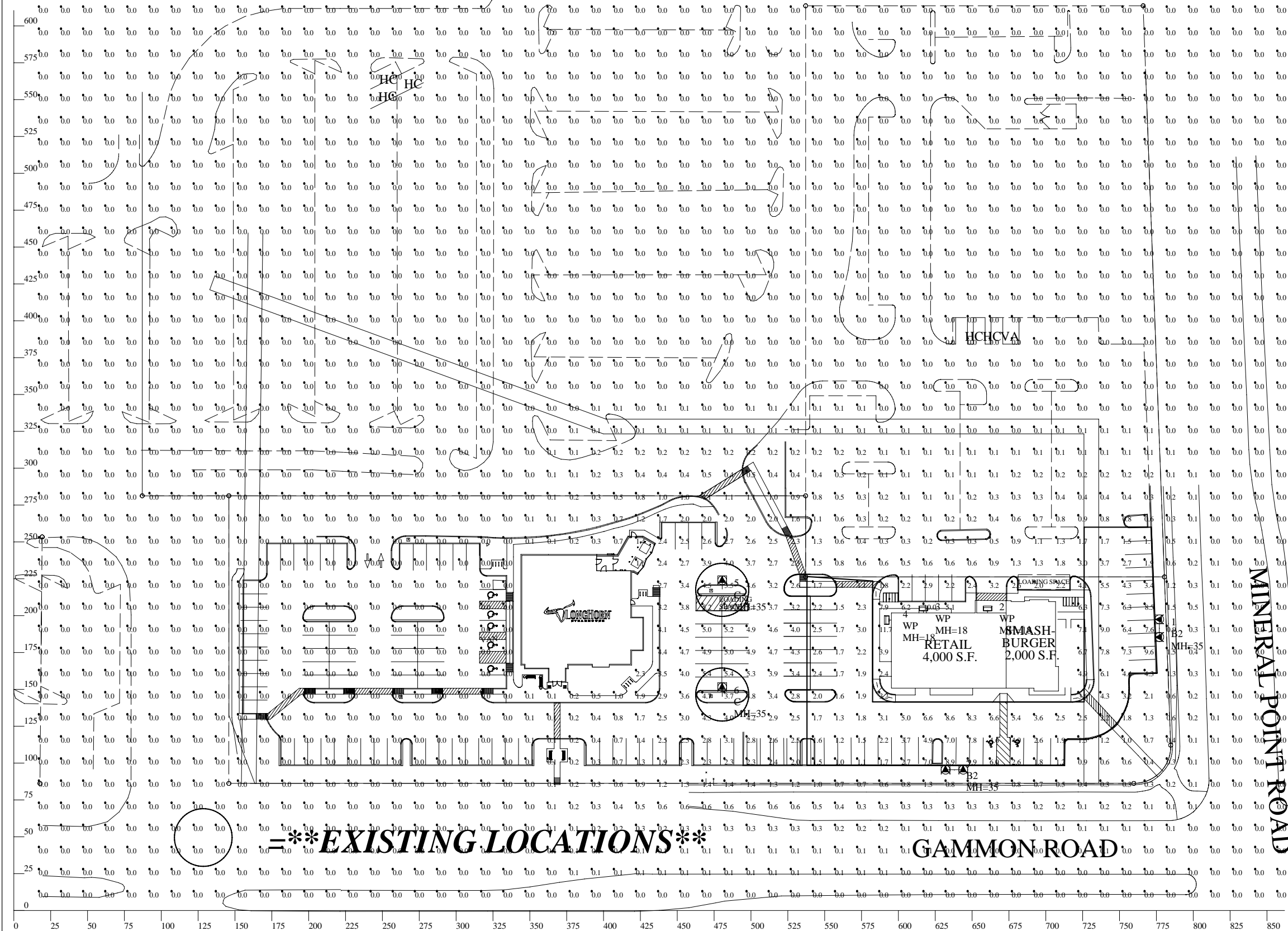
WEST TOWNE 6K EXPANSION
MADISON, WISCONSIN
PROPOSED LANDSCAPE PLAN

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DATE: 07-28-2009
SCALE: 1"=20'
JOB NO. 3090131
PROJECT MANAGER: RICKY A. SMITH JR., P.E.
DESIGNED BY: ALS
CHECKED BY: CNS
SHEET NUMBER
LP-1

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lumens	LLF	Description
	2	B2	ROTATED OPTICS	68000	0.800	GSM-AM-750-MP-MT-SL-FG 750W PULSE START ROT OPT
	2	C	SINGLE	82000	0.800	GSM-AM-750-MP-MT-AS-FG 750W PULSE START
	3	WP	SINGLE	14000	0.800	MPIP-T-150-MT 150W PULSE START

Calculation Summary										
Label	CalcType	Description	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpLr	PtSpTb
A	Illuminance	AREA	Fc	0.37	11.7	0.0	N.A.	N.A.	15	15
PARKING AREA	Illuminance		Fc	3.75	9.9	1.0	3.75	9.90		

Luminaire Location Summary						
LumNo	Label	X	Y	Z	Orient	Tilt
1	B2	777	191.5	35	180	0
2	WP	660.5	202	18	90	0
3	WP	617	202	18	90	0
4	WP	595	197	18	180	0
5	C	480.5	218	35	90	0
6	C	480.5	145.5	35	90	0
7	B2	638	95.5	35	90	0



Project : WEST TOWN MALL
SMASH BURGER

Client : DALE YOUNG

Project # : 0901263

Date : 7/2/2009

Scale : 1" = 40'

Drawing : JR

Cooper Lighting CFC
Applications Engineering
1121 Highway 74 South
Peachtree City, Georgia 30269
770-486-4582
770-486-4599 fax
e-mail: applications@cooperlighting.com