

PLEASE PRINT!

APPLICATION FOR  
URBAN DESIGN COMMISSION  
REVIEW AND APPROVAL

AGENDA ITEM # \_\_\_\_\_  
Project # \_\_\_\_\_  
Legistar # \_\_\_\_\_

DATE SUBMITTED: 2-8-11  
UDC MEETING DATE: 3-2-11

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

PROJECT ADDRESS: 3010 Nob Hill Road  
ALDERMANIC DISTRICT: 14

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:  
Phillips Distributing Corp Strang, Inc  
3010 Nob Hill Rd. 6411 Mineral Point Rd.  
Madison, WI 53713 Madison, WI 53705

CONTACT PERSON: Dale Volkening  
Address: Strang, Inc  
Phone: 608-276-9200  
Fax: 608-276-9204  
E-mail address: volkening@strang-inc.com

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

(See Section B for:)  
 New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)  
 R.P.S.M. Parking Variance (Fee required)

(See Section D for:)  
 Comprehensive Design Review\* (Fee required)  
 Street Graphics Variance\* (Fee required)  
 Other \_\_\_\_\_

\*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)  
Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.



February 23, 2011

**Letter of Intent – Final Approval**

To: Urban Design Commission

Project: Addition to Phillips Distributing Corporation  
3010 Nob Hill Road  
Madison, Wisconsin

Owner: Phillips Distributing Corporation  
3010 Nob Hill Road  
Madison, Wisconsin  
Jeff Levy, Vice President  
608-222-9177

Architect: Strang, Inc.  
6411 Mineral Point Road  
Madison, WI 53705  
Dale Volkening, Project Manager  
608-276-9200

Civil/Landscape: Ken Saiki Design, Inc.  
303 S. Paterson, Suite One  
Madison, WI 53703  
Steve Whayland, Project Manager  
608-251-3600

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

Project Description:

Phillips Distributing Corporation is a wholesale distributor of wine and liquor. The company has been in business for 80 years, and has occupied the current building since it was constructed in 1993.

The proposed project consists of an addition to the existing building to increase the square footage of warehouse space within the building, and an expansion of the parking lot to provide additional auto parking for company staff and for vendors who visit the site.

Other company functions such as the business office and the loading/unloading facilities are currently adequate, so no changes are proposed to these areas.

The site is located in Urban Design District #1

Project Statistics:

Site Area: 227,675 square feet total area (5.226 acres), proposed new CSM

The existing building is currently located on Lot 2 of the Toki Farm Plat. The existing plat has four lots. A new Certified Survey Map is being created that will create two lots from the original four.



Building Area:	Existing building =	35,200 gross square feet
	Proposed addition =	<u>17,890 gross square feet</u>
	Total building area =	53,090 gross square feet

Building height above grade is 1 story; 23'-0" to top of roof surface.

Exterior Design:

The building addition will match the existing building in design, materials, and color. Samples will be brought to the UDC meeting. Primary colors are:

- Split-face concrete masonry: dark brown, to match existing
- EIFS: light brown, to match existing, with burgundy accent colored reveals
- Sheet metal flashing and trim: burgundy, to match existing

Parking:

On-site auto parking will be provided for the office and warehouse staff that work in the building, for the company's delivery truck drivers, and for the Phillips' sales personnel who come to the building periodically throughout the day. In addition, parking stalls will be used by the wine and liquor vendors who visit the building to make sales calls.

The minimum number of parking stalls required by the Madison zoning code is calculated as follows:

5,400 sq. ft. office @ 400 sf per stall .....	13.5 stalls	
26 truck drivers and warehouse staff .....	13.0 stalls	(1 stall per 2 employees)
30 sales people (transient) .....	<u>15.0 stalls</u>	(1 stall per 2 employees)
Total required parking .....	41.5 stalls	

Handicapped parking is provided adjacent to this building for staff and visitor use.

An 8-stall bicycle parking area will be provided near the loading dock.

Site Lighting:

The new parking lot pole light fixtures will be metal halide, cut-off style luminaires.

The existing three parking lot pole lights are 400-watt high pressure sodium fixtures, and these fixtures will be replaced with 250-watt metal halide in the same locations.

The existing building has wall mounted security lighting on the north and east elevations. We propose to provide matching lighting on the north and east facades of the building addition.

Exterior Signage:

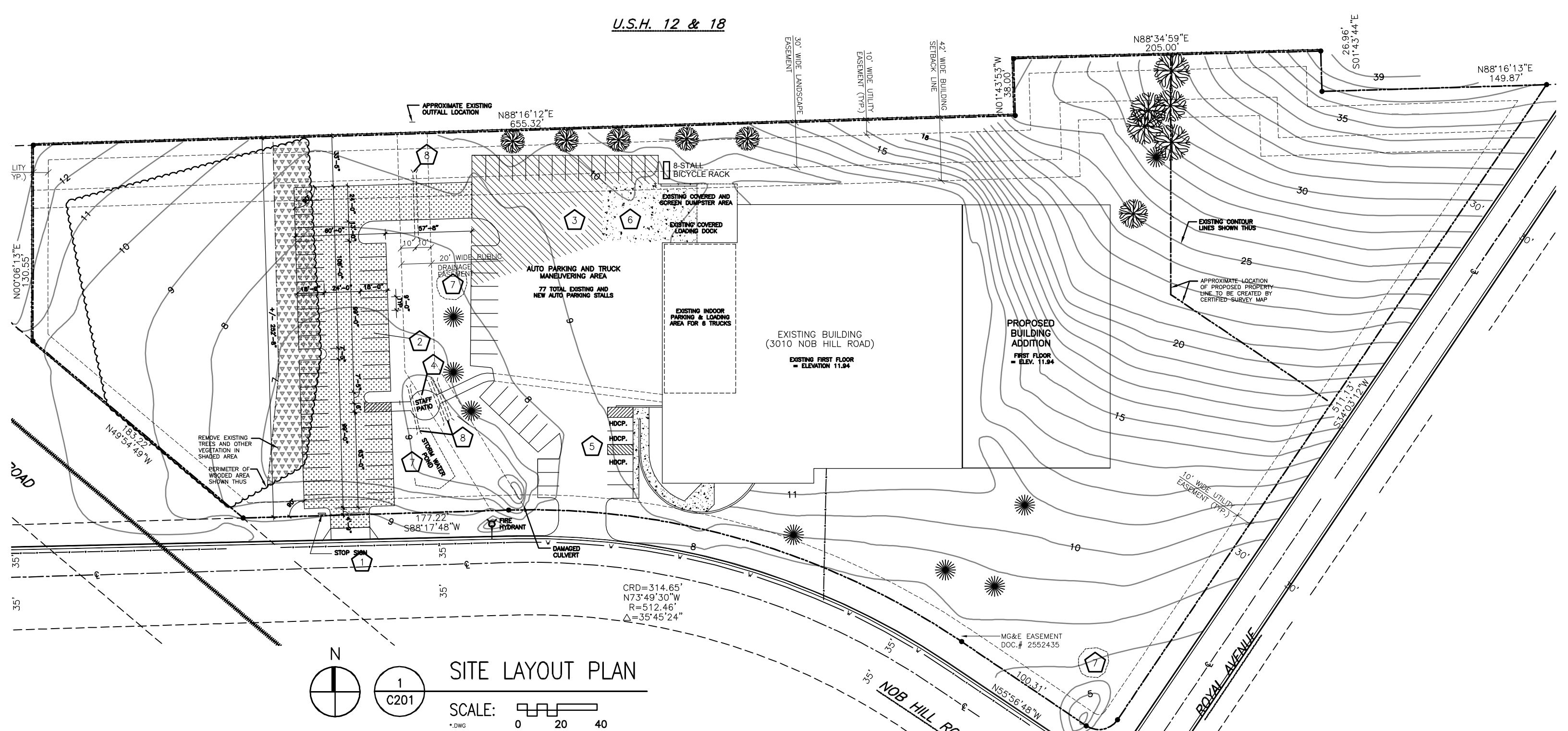
There is currently one wall sign on the south wall of the warehouse, and it will remain. Refer to the attached existing building photographs for a photo of this sign.

Project Schedule:

Construction will begin in April 2011 and be completed in September 2011.



**LOCATOR MAP**  
Phillips Distributing Corporation  
3010 Nob Hill Road



SITE LAYOUT PLAN

1  
C201

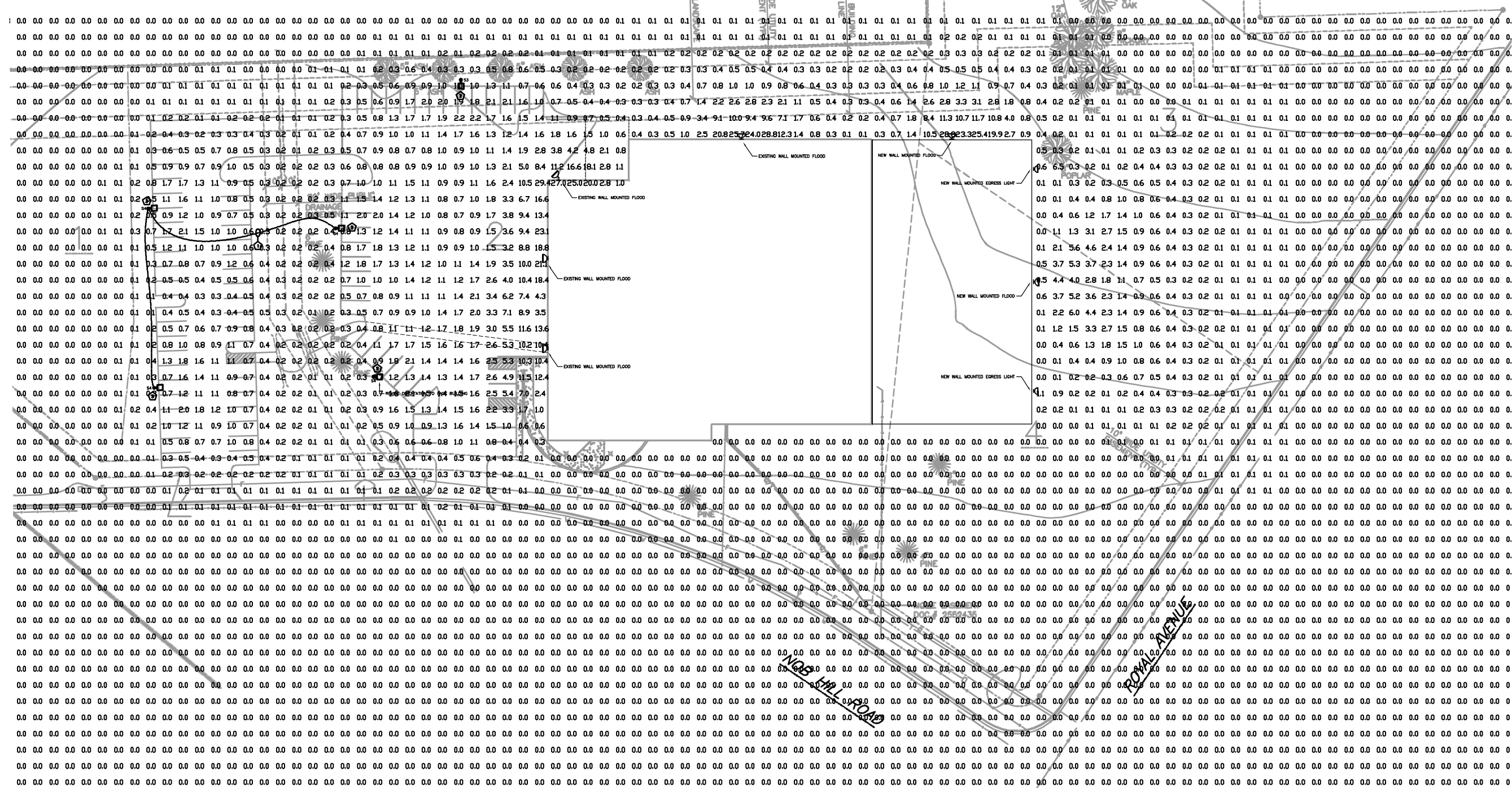
SCALE: 0 20 40  
\*.DWG

SPECIFIC PLAN NOTES:

- |  |  |
|--|--|
| <p>1 PROVIDE CURB CUT AND CONCRETE APRON PER CITY OF MADISON STANDARDS</p> <p>2 PROVIDE ASPHALT PAVING FOR NEW PARKING LOT WITH PAINTED PARKING STALL LINES</p> <p>3 IN HATCHED AREA, REMOVE EXISTING ASPHALT PAVING AND PROVIDE NEW ASPHALT PAVING. PROVIDE ADDITIONAL GRAVEL BASE, AND GRADE THE AREA TO CORRECT DRAINAGE PROBLEMS.</p> <p>4 PROVIDE CONCRETE SIDEWALK AND PATIO</p> | <p>5 RE-STRIPE THE PARKING STALL LINES TO INCREASE THE NUMBER OF HANDICAPPED PARKING STALLS, AND PROVIDE TWO ADDITIONAL HDCP PARKING SIGNS.</p> <p>6 REMOVE THE EXISTING CONCRETE PAVEMENT AND PROVIDE NEW CONCRETE PAVEMENT WITH FIBERMESH REINFORCING</p> <p>7 BIO-RETENTION POND FOR STORM WATER MANAGEMENT</p> <p>8 PROVIDE CULVERTS UNDER PAVEMENT FOR STORM WATER DRAINAGE THROUGH PUBLIC DRAINAGE SWALE</p> |
|--|--|

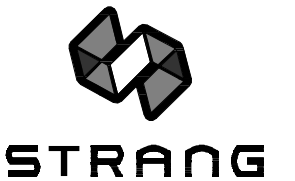
ADDITION TO PHILLIPS DISTRIBUTING CORP.  
3010 NOB HILL ROAD  
MADISON, WISCONSIN  
FEBRUARY 23, 2011

U.S.H. 12 & 18



NORTH  
  
**ELECTRICAL FLOOR PLAN**  
 SCALE: 1" = 30'-0"

KEYED ELECTRICAL NOTES	
1	EXTEND NEW UNDERGROUND RACEWAY FROM EXISTING SITE LIGHTING POLE. EXTEND CIRCUIT TO LIGHTING AS INDICATED. SIZE CONDUCTOR FOR 5% VOLTAGE DROP AT LAST FIXTURE ON CIRCUIT.
2	PROVIDE NEW FIXTURE ON EXISTING POLE.
3	PROVIDE CONCRETE POLE BASE AT NEW LOCATIONS. BASE DIMENSIONS AND CONSTRUCTION SHALL MATCH EXISTING BASES ON SITE.



ARCHITECTURE  
 ENGINEERING  
 INTERIOR DESIGN  
 STRANG INC.  
 6411 MINERAL POINT ROAD  
 MADISON, WI 53708-4888  
 T/ 608 276 8200  
 F/ 608 276 9204

DRAWING SET	DD
COPYRIGHT	2011
STRANG, INC.	
FILE NAME	2010047-E100.DWG
REVISIONS	
DRAWN	BB
CHECKED	BB
DATE	02-04-2011
PROJECT NO.	2010047
PROJECT TITLE	

**ADDITION TO  
 PHILLIPS  
 DISTRIBUTING  
 CORPORATION**

3010 NOB HILL ROAD  
 MADISON, WISCONSIN 53713

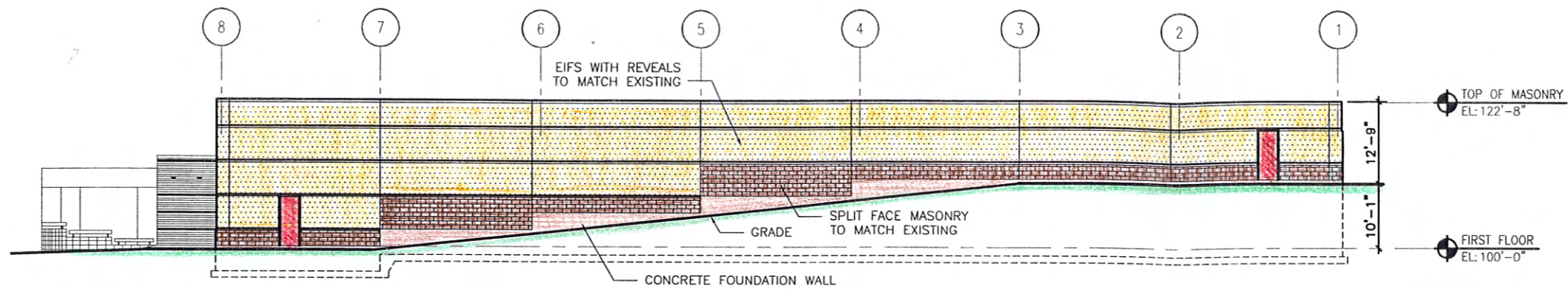
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**ELECTRICAL  
 SITE PLAN**

SHEET NO.  
**E100**

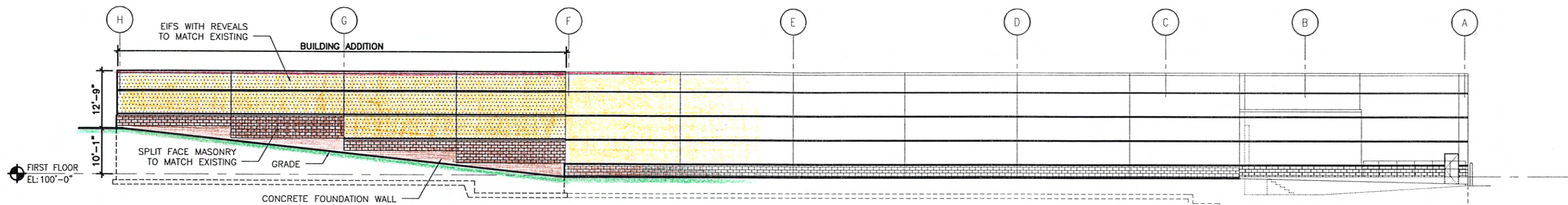
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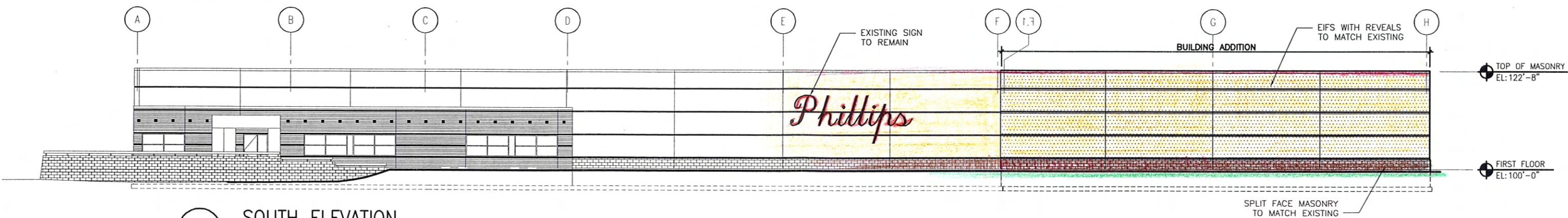




1 EAST ELEVATION  
A401 SCALE: 1/16" = 1'-0"



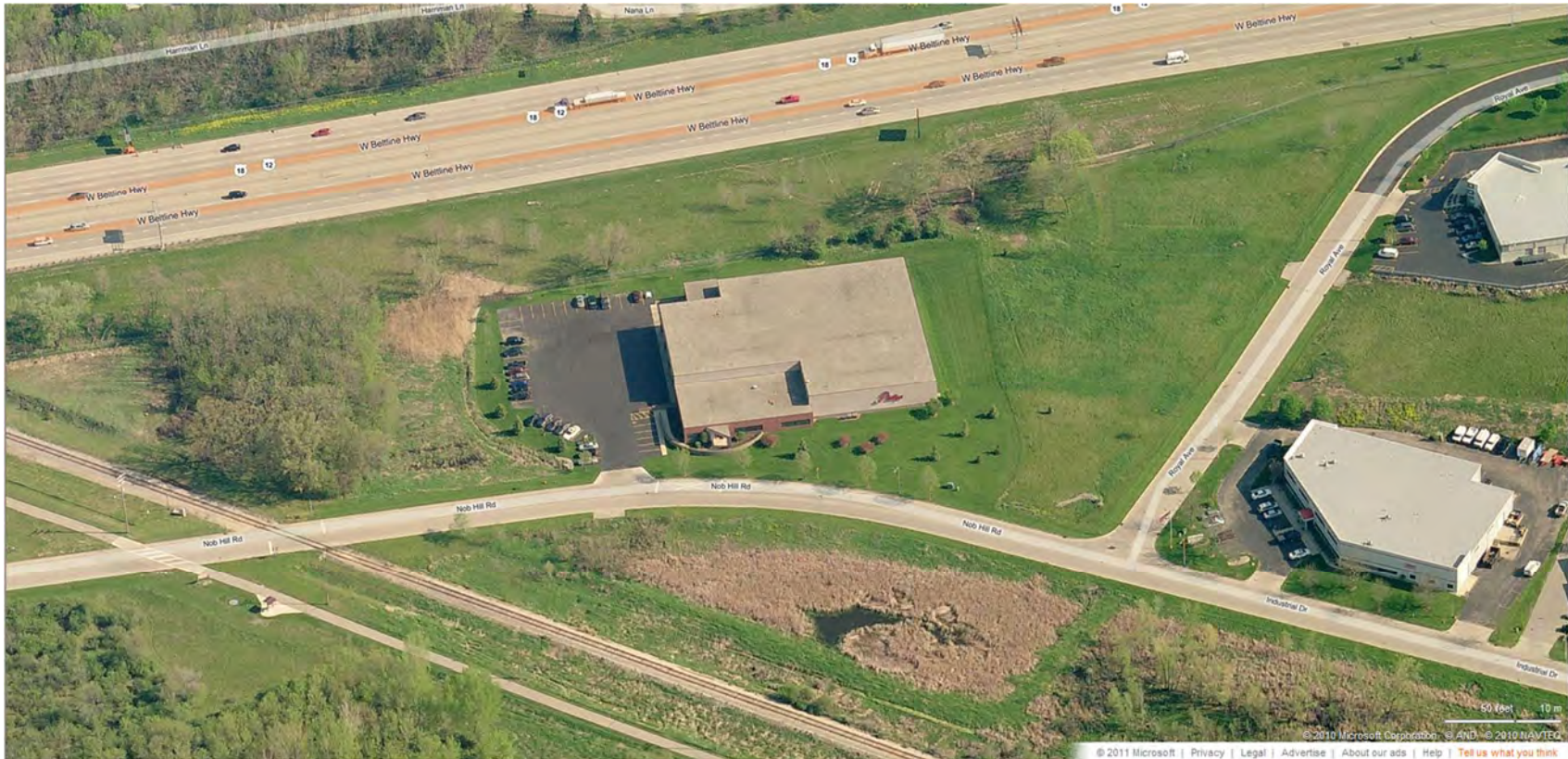
2 NORTH ELEVATION  
A401 SCALE: 1/16" = 1'-0"



3 SOUTH ELEVATION  
A401 SCALE: 1/16" = 1'-0"

ADDITION TO PHILLIPS DISTRIBUTING CORP.  
3010 NOB HILL ROAD  
MADISON, WISCONSIN  
FEBRUARY 23 2011





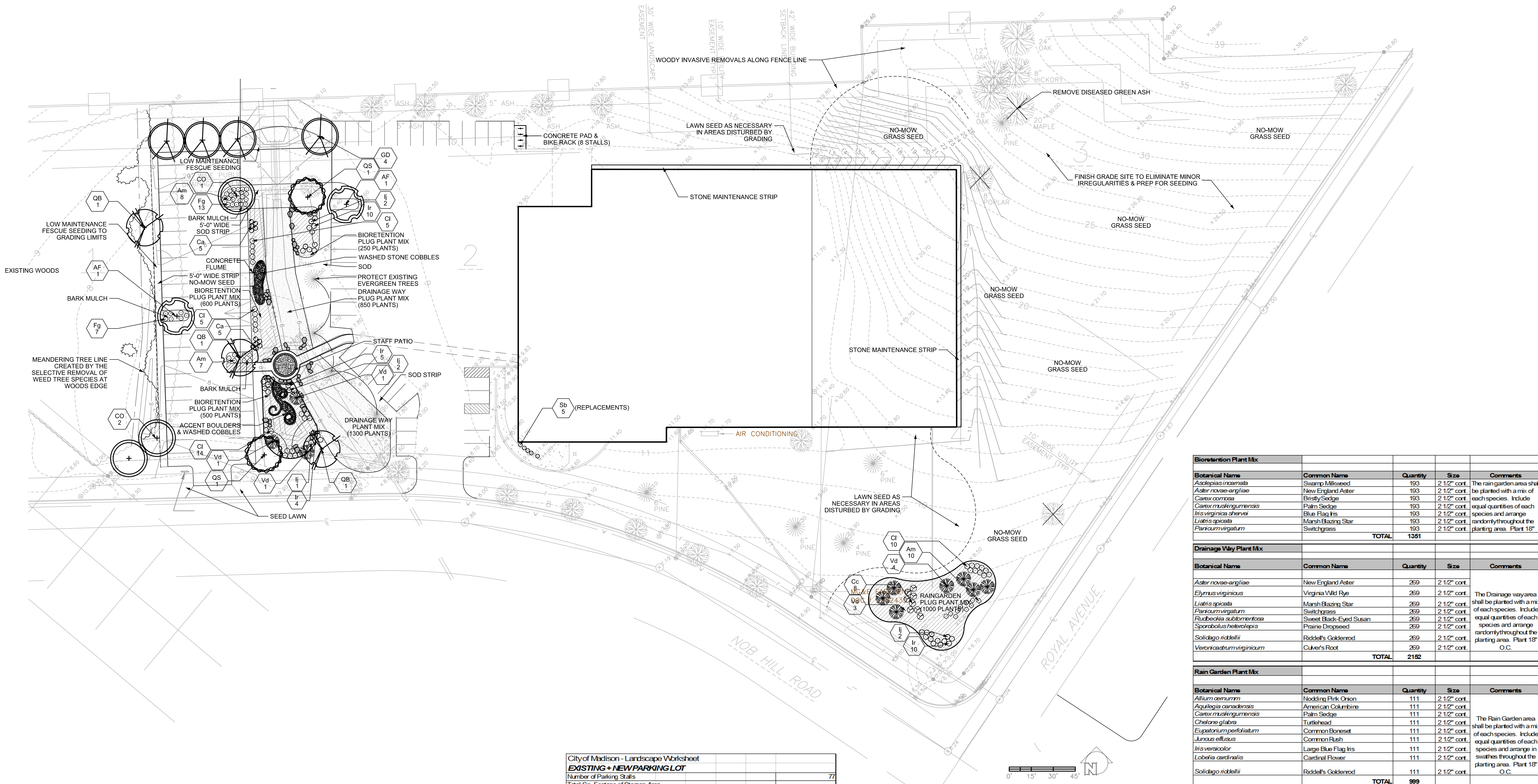
AERIAL VIEW OF EXISTING SITE

Phillips Distributing Corp.  
3010 Nob Hill Road  
Madison, Wisconsin



Phillips Distributing Corporation - View from Southeast





Bioretention Plant Mix				
Botanical Name	Common Name	Quantity	Size	Comments
<i>Asclepias incarnata</i>	Swamp Milkweed	193	2 1/2" cont.	The rain garden area shall be planted with a mix of each species. Include equal quantities of each species and arrange randomly throughout the planting area. Plant 18" O.C.
<i>Aster novae-angliae</i>	New England Aster	193	2 1/2" cont.	
<i>Carex comosa</i>	Bristly Sedge	193	2 1/2" cont.	
<i>Carex muskingumensis</i>	Palm Sedge	193	2 1/2" cont.	
<i>Iris virginica shrevei</i>	Blue Flag Iris	193	2 1/2" cont.	
<i>Liatris spicata</i>	Marsh Blazing Star	193	2 1/2" cont.	
<i>Panicum virgatum</i>	Switchgrass	193	2 1/2" cont.	
<b>TOTAL</b>		<b>1351</b>		

Drainage Way Plant Mix				
Botanical Name	Common Name	Quantity	Size	Comments
<i>Aster novae-angliae</i>	New England Aster	269	2 1/2" cont.	The Drainage way area shall be planted with a mix of each species. Include equal quantities of each species and arrange randomly throughout the planting area. Plant 18" O.C.
<i>Elymus virginicus</i>	Virginia Wild Rye	269	2 1/2" cont.	
<i>Liatris spicata</i>	Marsh Blazing Star	269	2 1/2" cont.	
<i>Panicum virgatum</i>	Switchgrass	269	2 1/2" cont.	
<i>Rudbeckia subinermis</i>	Sweet Black-Eyed Susan	269	2 1/2" cont.	
<i>Sporobolus heterolepis</i>	Prairie Dropseed	269	2 1/2" cont.	
<i>Solidago riddellii</i>	Riddell's Goldenrod	269	2 1/2" cont.	
<i>Veronicastrum virginicum</i>	Cuiker's Root	269	2 1/2" cont.	
<b>TOTAL</b>		<b>2182</b>		

Rain Garden Plant Mix				
Botanical Name	Common Name	Quantity	Size	Comments
<i>Allium oenanthifolium</i>	Nodding Pink Onion	111	2 1/2" cont.	The Rain Garden area shall be planted with a mix of each species. Include equal quantities of each species and arrange in swathes throughout the planting area. Plant 18" O.C.
<i>Aquilegia canadensis</i>	American Columbine	111	2 1/2" cont.	
<i>Carex muskingumensis</i>	Palm Sedge	111	2 1/2" cont.	
<i>Chelone glabra</i>	Turtlehead	111	2 1/2" cont.	
<i>Eupatorium perfoliatum</i>	Common Boneset	111	2 1/2" cont.	
<i>Juncus effusus</i>	Common Rush	111	2 1/2" cont.	
<i>Iris versicolor</i>	Large Blue Flag Iris	111	2 1/2" cont.	
<i>Lobelia cardinalis</i>	Cardinal Flower	111	2 1/2" cont.	
<i>Solidago riddellii</i>	Riddell's Goldenrod	111	2 1/2" cont.	
<b>TOTAL</b>		<b>999</b>		

City of Madison - Landscape Worksheet  
**EXISTING + NEW PARKING LOT**

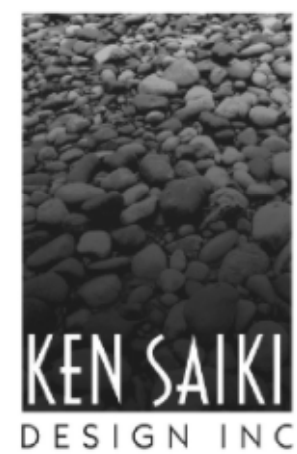
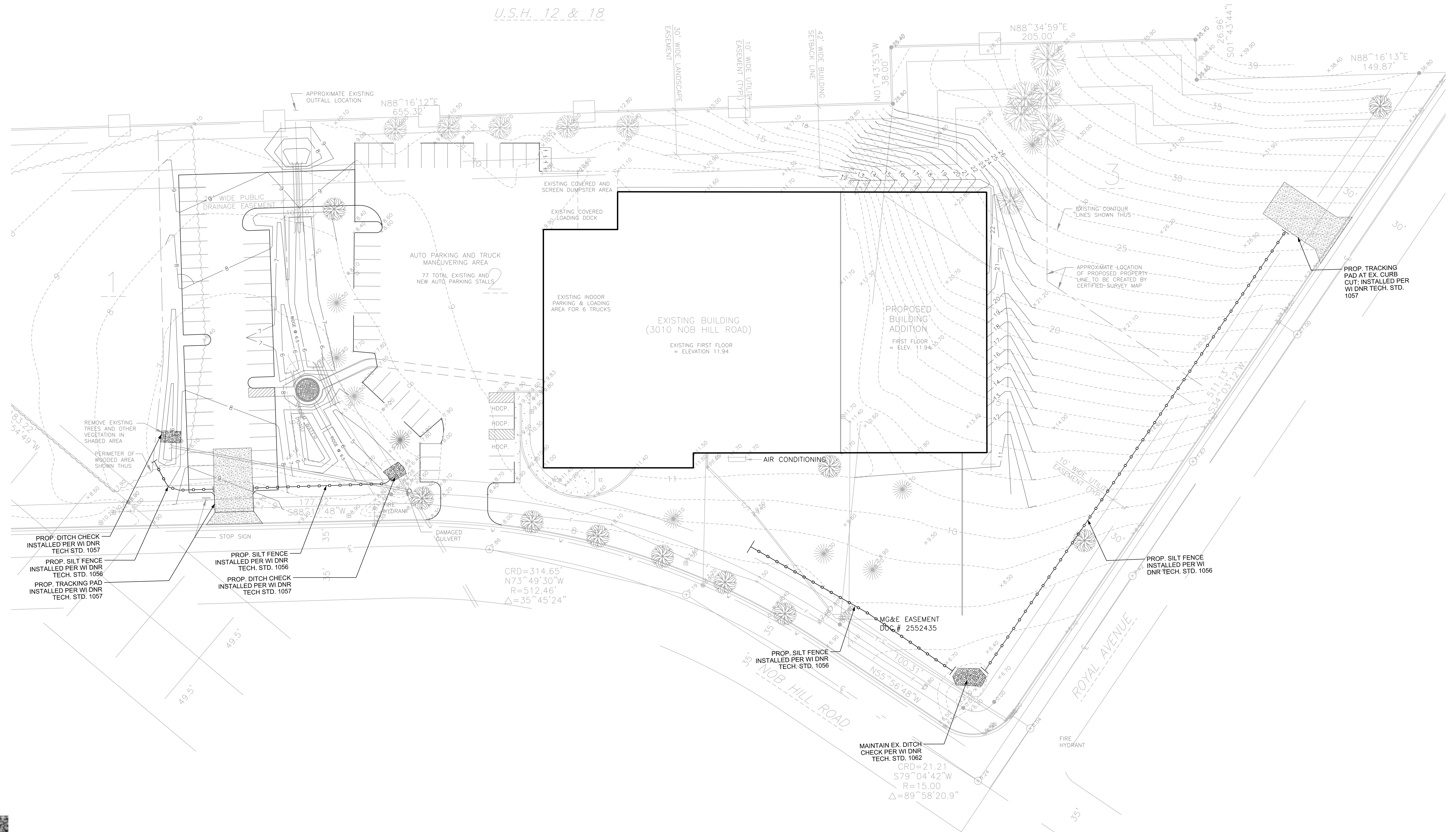
Number of Parking Stalls					77
Total Sq. Footage of Storage Area					
Number of Canopy Shade Trees					6
Required - 2" - 2 1/2" cal.					
No. of Landscape Points Required					357.4
Points for Loading Area Required					373
Number of Points Required					732.4
<b>Element</b>	<b>Point Value</b>	<b>Quantity</b>	<b>Points Achieved</b>	<b>Quantity</b>	<b>Credits*</b>
Canopy Tree: 2" - 2 1/2"	35	8	280		0
Deciduous Shrub	2	100	200		0
Evergreen Shrub	3	0	0		0
Decorative Wall or Fence (per 10 L.F.)	5	0	0		0
Earth Berm (per 10 L.F.)					0
Avg. Height 30"	5	0	0		0
Avg. Height 15"	2	0	0		0
Evergreen Trees	15	0	0		0
3' height minimum					0
Canopy Tree or Small Tree	15	0	0		0
1 1/2" - 2" Caliper (i.e., Crab, Hawthorn)					0
Sub-Totals				480	0
Total Point					750

\*credits don't include tree line at west edge of new parking lot

Plant List Key	Botanical Name	Common Name	Quantity	Size	Spec	Comments
<b>Deciduous Trees</b>						
AF	<i>Acer x freemanii</i> 'Sienna'	Sienna Glen Maple	2	2.5" cal.	B&B	
CO	<i>Celtis occidentalis</i> 'Windy City'	Windy City Hackberry	3	2.5" cal.	B&B	
GD	<i>Gymnocladus dioica</i> 'Espresso'	Espresso Kentucky Coffeetree	4	2.5" cal.	B&B	
QB	<i>Quercus bicolor</i>	Swamp White Oak	3	2.5" cal.	B&B	
QS	<i>Quercus x schuettei</i>	Swamp White Oak x Bur Hybrid	2	2.5" cal.	B&B	
<b>Deciduous Shrubs</b>						
Am	<i>Aronia melanocarpa</i> 'Mbrton'	Iroquois Beauty Black Chokeberry	25	2' ht.	cont.	
Ca	<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster	10	#3	cont.	
Cc	<i>Cornus serica</i> 'Alleman's Compact'	Red Twig Dogwood	8	#3	cont.	
Cl	<i>Ceanothus americanus</i>	New Jersey Tea	34	#1	cont.	
Fg	<i>Fothergilla gardenii</i> 'Beaver Creek'	Beaver Creek Fothergilla	20	18" ht.	cont.	
Ij	<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	7	#1	cont.	
Ir	<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	29	#1	cont.	
Sb	<i>Spiraea betulifolia</i> 'Tor'	Tor Birchleaf Spirea	5	18" ht.	cont.	
Vd	<i>Viburnum dentatum</i> 'J.N. Select'	Red Feather Arrowwood	10	36" ht.	cont.	



U.S.H. 12 & 18



**KEN SAKI**  
DESIGN INC  
LANDSCAPE  
ARCHITECTS

303 S. PATERSON  
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MADISON, WI 53703  
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# PHILLIPS DISTRIBUTING CORP. PARKING LOT ADDITION CONCEPT EROSION CONTROL PLAN

02/23/2011





**KIM LIGHTING**

*PARKING LOT.  
25'-0" POLE  
MOUNTING*

**AR**

The Archetype®

revision 9/19/08 • ar.pdf

Type:

Job:

Catalog number:

Mtg.	Fixture	Electrical Module	Finish	Options	Optional
See page 2				See pages 3-4	Vertical Slipfitter Mount See page 5

Approvals:

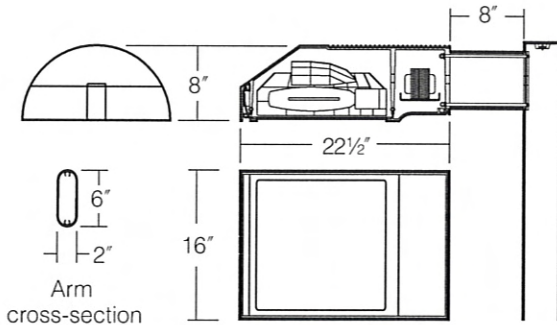
Date:

Page: 1 of 5

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

## Specifications

150 to 400 watt  
Mogul Base Lamps  
Maximum Fixture weight (400HPS) = 45 lb



**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Lens Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket. Clear 3/16" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

**Reflector Module:** Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing as a one-piece module. Reflector module is field rotatable in 90° increments. HPS and PMH sockets are porcelain 4KV pulse rated mogul base with molded silicone lamp stabilizer. All reflector modules are factory prewired with quick-disconnect plug and include silicone seal at the penetration of the internal barrier wall in the luminaire housing.

**Electrical Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. All ballasts are high power factor rated -20°F. starting.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Optional Wall Mounting:** Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

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

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

### Listings and Ratings

UL cUL 1598 <sup>1</sup>	CE	IP66 Rated	25C Ambient
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<sup>1</sup>Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.





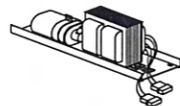
Type:

Job:

Page: 2 of 5



## Standard Features

<p><b>Mounting</b> 3Y configuration is available for round poles only.</p>	<p>Plan View:</p>  <p>EPA: 1.2    2.4    2.0    3.2    3.2    3.9    n/a</p> <p>Cat. No.: <input checked="" type="checkbox"/> 1A    <input type="checkbox"/> 2B    <input type="checkbox"/> 2L    <input type="checkbox"/> 3T    <input type="checkbox"/> 3Y    <input type="checkbox"/> 4C    <input type="checkbox"/> 1W</p>																																																																					
<p><b>Fixture</b> Cat. No. designates fixture and light distribution. See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.</p>	<p><b>Flat Lens</b></p>  <p>Light Distribution: Type I    Type II    Type III    Type IV    Type V</p> <p>Full Cutoff    Full Cutoff    Full Cutoff    Forward Throw Full Cutoff    Square Full Cutoff</p> <p>Cat. No.:    <input type="checkbox"/> AR1    <input type="checkbox"/> AR2    <input type="checkbox"/> AR3    <input checked="" type="checkbox"/> AR4    <input type="checkbox"/> AR5</p>																																																																					
<p><b>Electrical Module</b> HPS = High Pressure Sodium PMH = Pulse Start Metal Halide</p>  <p>Lamp Watts    Lamp Type    Line Volts 400    HPS    277</p>	<p>Cat. Nos. for Electrical Modules available:</p> <p>High Pressure Sodium</p> <table border="1"> <tr> <td><input type="checkbox"/> 150HPS120</td> <td><input type="checkbox"/> 250HPS120</td> <td><input type="checkbox"/> 400HPS120</td> </tr> <tr> <td><input type="checkbox"/> 150HPS208</td> <td><input type="checkbox"/> 250HPS208</td> <td><input type="checkbox"/> 400HPS208</td> </tr> <tr> <td><input type="checkbox"/> 150HPS240</td> <td><input type="checkbox"/> 250HPS240</td> <td><input type="checkbox"/> 400HPS240</td> </tr> <tr> <td><input type="checkbox"/> 150HPS277</td> <td><input type="checkbox"/> 250HPS277</td> <td><input type="checkbox"/> 400HPS277</td> </tr> <tr> <td><input type="checkbox"/> 150HPS347</td> <td><input type="checkbox"/> 250HPS347</td> <td><input type="checkbox"/> 400HPS347</td> </tr> <tr> <td><input type="checkbox"/> 150HPS480</td> <td><input type="checkbox"/> 250HPS480</td> <td><input type="checkbox"/> 400HPS480</td> </tr> </table> <table border="1"> <tr> <td>Lamp</td> <td>E-23½, Clear</td> <td>E-18, Clear</td> <td>E-18, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>S-55</td> <td>S-50</td> <td>S-51</td> </tr> </table> <p>Pulse Start Metal Halide</p> <table border="1"> <tr> <td><input checked="" type="checkbox"/> 250PMH120</td> <td><input type="checkbox"/> 320PMH120</td> <td><input type="checkbox"/> 350PMH120</td> <td><input type="checkbox"/> 400PMH120</td> </tr> <tr> <td><input type="checkbox"/> 250PMH208</td> <td><input type="checkbox"/> 320PMH208</td> <td><input type="checkbox"/> 350PMH208</td> <td><input type="checkbox"/> 400PMH208</td> </tr> <tr> <td><input type="checkbox"/> 250PMH240</td> <td><input type="checkbox"/> 320PMH240</td> <td><input type="checkbox"/> 350PMH240</td> <td><input type="checkbox"/> 400PMH240</td> </tr> <tr> <td><input type="checkbox"/> 250PMH277</td> <td><input type="checkbox"/> 320PMH277</td> <td><input type="checkbox"/> 350PMH277</td> <td><input type="checkbox"/> 400PMH277</td> </tr> <tr> <td><input type="checkbox"/> 250PMH347</td> <td><input type="checkbox"/> 320PMH347</td> <td><input type="checkbox"/> 350PMH347</td> <td><input type="checkbox"/> 400PMH347</td> </tr> <tr> <td><input type="checkbox"/> 250PMH480</td> <td><input type="checkbox"/> 320PMH480</td> <td><input type="checkbox"/> 350PMH480</td> <td><input type="checkbox"/> 400PMH480</td> </tr> </table> <table border="1"> <tr> <td>Lamp</td> <td>ED-28, Clear</td> <td>BT-28, Clear</td> <td>BT-28, Clear</td> <td>ED-28, Clear</td> </tr> <tr> <td>Socket</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> <td>Mogul Base</td> </tr> <tr> <td>ANSI Ballast</td> <td>M-138</td> <td>M-132, M154, or M170</td> <td>M-131, M171</td> <td>M-135</td> </tr> </table> <p><b>NOTE:</b> Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims. (Visit <a href="http://www.aboutlightingcontrols.org">www.aboutlightingcontrols.org</a> or the Library of Congress website for more details).</p>	<input type="checkbox"/> 150HPS120	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120	<input type="checkbox"/> 150HPS208	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208	<input type="checkbox"/> 150HPS240	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240	<input type="checkbox"/> 150HPS277	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277	<input type="checkbox"/> 150HPS347	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347	<input type="checkbox"/> 150HPS480	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480	Lamp	E-23½, Clear	E-18, Clear	E-18, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	S-55	S-50	S-51	<input checked="" type="checkbox"/> 250PMH120	<input type="checkbox"/> 320PMH120	<input type="checkbox"/> 350PMH120	<input type="checkbox"/> 400PMH120	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 320PMH208	<input type="checkbox"/> 350PMH208	<input type="checkbox"/> 400PMH208	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 320PMH240	<input type="checkbox"/> 350PMH240	<input type="checkbox"/> 400PMH240	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 320PMH277	<input type="checkbox"/> 350PMH277	<input type="checkbox"/> 400PMH277	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 320PMH347	<input type="checkbox"/> 350PMH347	<input type="checkbox"/> 400PMH347	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 320PMH480	<input type="checkbox"/> 350PMH480	<input type="checkbox"/> 400PMH480	Lamp	ED-28, Clear	BT-28, Clear	BT-28, Clear	ED-28, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	M-138	M-132, M154, or M170	M-131, M171	M-135
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ANSI Ballast	M-138	M-132, M154, or M170	M-131, M171	M-135																																																																		
<p><b>Finish</b> Super TGIC powder coat paint over a titanated zirconium conversion coating.</p>	<p>Color: Black    Dark Bronze    Light Gray    Stealth Gray®    Platinum Silver    White    Custom Color†</p> <p>Cat. No.: <input checked="" type="checkbox"/> BL    <input type="checkbox"/> DB    <input type="checkbox"/> LG    <input type="checkbox"/> SG    <input type="checkbox"/> PS    <input type="checkbox"/> WH    <input type="checkbox"/> CC</p> <p>†Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																																																																					

Type:

Job:

Page: 3 of 5



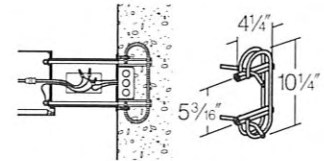
## Optional Features

### Wall Mounting

Cat. No.  1W  
 No Option

Select from Mounting on page 2.

Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket (**WEB**) is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

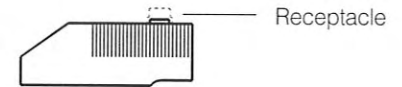


Wall mount using wall embedment bracket - J-box in wall (by others)

### Photocell Receptacle

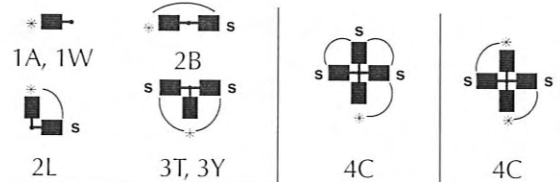
Cat. No.  A-25  
 No Option

Fixture supplied with a fully gasketed receptacle above the electrical compartment for NEMA base photocell (by others). For all multiple-fixture pole mountings with two or three fixtures, one fixture has a receptacle to operate the others. Four fixtures (250 watt or less) also require one fixture with a receptacle. Four fixtures (400 watt) require two fixtures with receptacles.



Mounting (see page 2)

\* – Fixture with Photocell Receptacle  
S – slave unit(s)



Allowable wattage per fixture:

150-400W

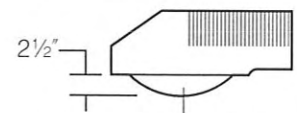
150-250W

400W

### Convex Glass Lens

Cat. No.  CGL  
 No Option

The 3/16" thick clear convex tempered glass lens replaces the standard flat glass lens. Provides increased lens presence and provides a subtle improvement in uniformity where pole spacing is extreme. Increases effectiveness of houseside shielding.



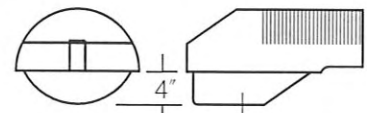
Convex Glass Lens

### Polycarbonate Lens

Cat. No.  LS  
 No Option

Fixture supplied with a one piece vacuum formed, clear, UV stabilized convex polycarbonate, fully gasketed, replacing the standard tempered glass lens. 250 watt maximum. May be used with 400HPS in outdoor locations where ambient air temperature during fixture operation will not exceed 85°F.

**CAUTION:** Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.



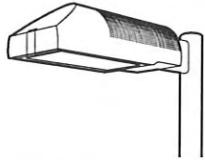
Polycarbonate Lens



Type:

Job:

Page: 4 of 5



## Optional Features

### Houseside Shield

Cat. No. (See right)  
 No Option

**(Types II, III, and IV only)** Fixtures with the standard flat glass lens are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections. Fixtures with the optional convex glass lens are available with a formed aluminum shield that passes streetside light and blocks houseside light, and a black anodized panel added to the reflector to reduce houseside reflections. Use with clear lamps only, as coated lamps reduce effectiveness.



Cat. No.

**HS**

Recommended for use with clear lamps only. Effectiveness is reduced for coated lamps. Not for use with Type V light distributions.

**HSC**

For use with all fixtures with convex glass lens. Not for use with Type V light distributions.

### Neighbor Friendly Shield

Cat. No.  NFS  
 No Option

**(Type IV only)** Stamped internal shield and blocking panels are used to direct and redirect lighting into a forward throw distribution. The amount of light directed and redirected toward the back of the luminaire is dramatically reduced to create extremely low glare behind the pole. Only available on the Type IV reflectors.



### Tamper-Resistant Latch

Cat. No.  TL  
 No Option

Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening.

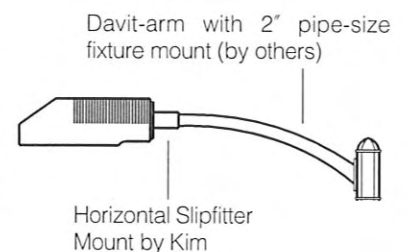
**NOTE:** Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.



### Horizontal Slipfitter Mount

Cat. No.  HSF  
 No Option

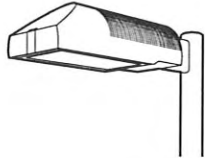
Replaces standard mounting arm with a slipfitter which allows fixture to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2<sup>3</sup>/<sub>8</sub>" O.D.). Cast aluminum slipfitter with set screw anti-rotation lock. Bolts to housing from inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture.





Type:

Job:



## Optional Features

### Special Options for Street Lighting

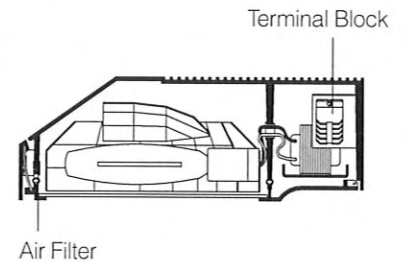
Cat. No. (See right)

**Terminal Block:** (For field wire connections.)  
85AMP, 600V box clamp terminal block mounted to the housing inside the electrical compartment. Accepts #14-4 wire. Factory prewired to electrical module quick-disconnect plug.

- TB
- No Option

**Air Filter:** Allows for ventilation through the optical chamber, filtering all air particles above 500 microns. Mounted on solid wall between optical compartment and latch cavity.

- AF
- No Option



### Vertical Slipfitter Mounts

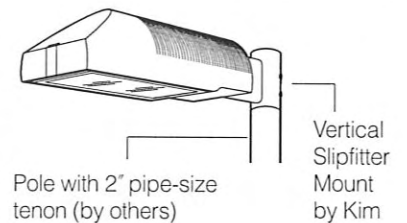
Cat. No. includes Mounting

Cat. No. (See right)

- No Option

Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length). All mounting configurations can be used (1A, 2B, 2L, 3T, 3Y, 4C). 4" square or round die-cast aluminum with flush cap, secured by four 3/8" stainless steel set point allen screws, finished to match fixture and arm.

**NOTE:** 3Y only available on round slipfitter.



- Cat. No.
- VSF-1A
  - VSF-2B
  - VSF-2L
  - VSF-3T
  - VSF-3Y
  - VSF-4C
- Round



Stainless steel set screws



Square

- Cat. No.
- SVSF-1A
  - SVSF-2B
  - SVSF-2L
  - SVSF-3T
  - SVSF-4C

Mounting Configuration

- 1A - single arm mount
- 2B - 2 at 180°
- 2L - 2 at 90°
- 3T - 3 at 90°
- 3Y - 3 at 120°
- 4C - 4 at 90°

*BUDGET MTD. FLOOD LIGHTING.*



**KIM LIGHTING**

**AFL20**

Architectural Floodlights

revision 10/1/08 • afl20.pdf

Type:  
Job:  
Fixture Catalog number:

/	/	/	
Fixture	Electrical Module	Finish	Optional Photocell
Sees page 2-3			See page 4 Ordered assembled with fixture.

**Fixture Options:**

---

Ordered Separately from Fixture  
See pages 5-7

**Mounting Options:**

---

Ordered Separately from Fixture  
See pages 8-11

**Approvals:**

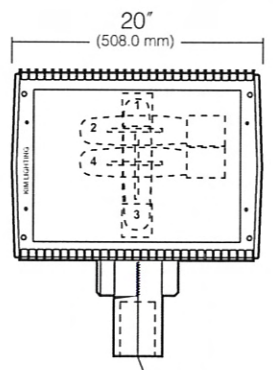
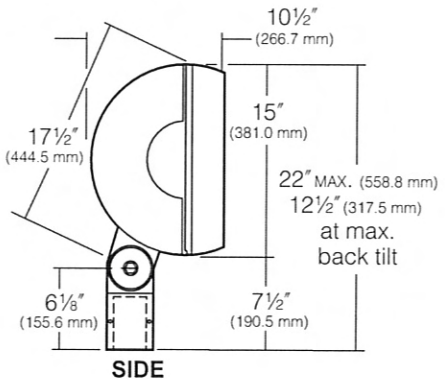
  
  
  

**Date:**  
**Page: 1 of 11**

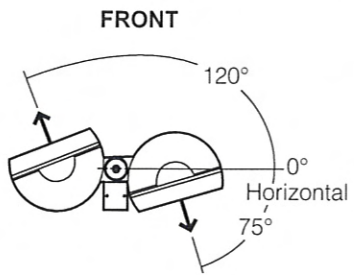
**Specifications**

**Dimensions**

**AFL20 Models**  
250 to 400 watt H.I.D.  
Mogul Base Lamps  
Maximum weight: 49 lb



Slips over 2" pipe-size tenon (50.8 mm) (2 3/8" O.D. (60.3 mm) X 3 1/2" min. (88.9 mm) length)



- 1 AFL21 lamp position (base up)
- 2 AFL22 lamp position
- 3 AFL23, 24, 25, 26 lamp position (base down)
- 4 AFL27 lamp position

**AIMING RANGE**  
with swivel clamp down aiming line is always perpendicular to front face of fixture

**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum in a cylindrical shape with integral cooling fins over the entire length, and 1/8" minimum wall thickness. One-piece extruded and vulcanized silicone gasket between housing and door frame concealed when fixture is closed. Concealed integral cast slip hinges with stainless steel pins.

**Door Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum with integral cooling fins, 1/8" minimum wall thickness, mates with housing to create a continuous cylindrical shape. Concealed integral cast slip hinges allow removal without tools. Removable stop-arm provided to limit door frame opening. 3/16" thick clear tempered glass lens is sealed to the lens frame by a one-piece molded silicone gasket. Door frame secures to housing by four stainless steel recessed captive allen-head screws. Four tapped and plugged holes provided for attachment of options.

**Swivel:** Heavy cast aluminum twin knob configuration with integral field-splice compartment, and mounts to a 2" pipe size tenon (2 3/8" O.D. x 4 1/2" min. length). One stainless steel bolt, recessed in knob, locks swivel teeth at 5° increments. Opposite knob is removable for access to the field-splice compartment. Swivel is fully gasketed. Clear anodized prior to chromate conversion coating for added corrosion resistance.

**Reflector Assemblies:** Interchangeable in all seven AFL20 models. Specular Alzak® aluminum optical components rigidly mounted in a clear anodized aluminum frame which attaches to housing as a one-piece assembly. Sockets are 4KV porcelain mogul base.

**Electrical Components:** All electrical components are UL and CSA recognized with leads extending out of the swivel splice compartment. High power factor ballast rated -40°F starting for HPS and -20°F for PMH lamp modes.

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

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



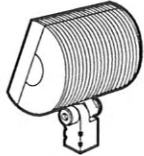
Listings and Ratings			
UL cUL 1598 <sup>1</sup>	CE	IP66 Rated	25C Ambient

<sup>1</sup>Suitable for wet locations.  
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

Job:

Page: 2 of 11



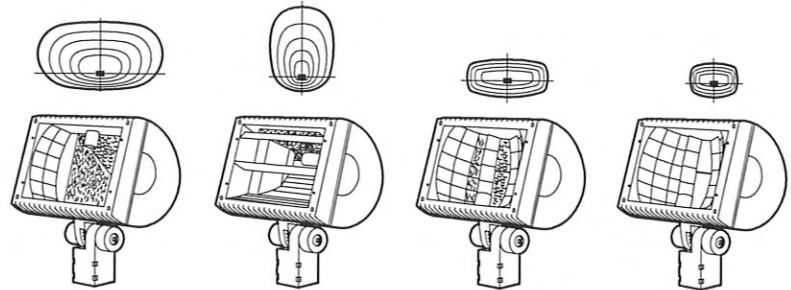
## Standard Features

### Fixture

Cat. No. designates **AFL20** fixture and beam pattern.

Single fixture EPA:

- 1.3 (45° tilt)
- 2.3 (Face on)



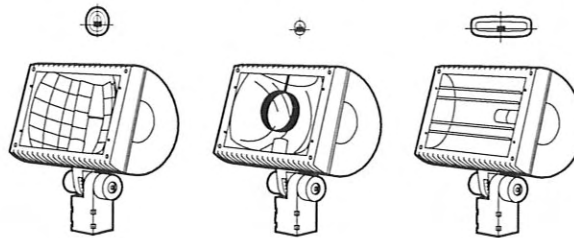
Beam Pattern:  
 Cat. No.:

Wide Flood  
 **AFL21**

Vertical Flood  
 **AFL22**

Medium Flood  
 **AFL23**

Narrow Flood  
 **AFL24**



Beam Pattern:  
 Cat. No.:

Spot  
 **AFL25**

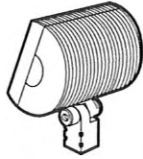
Narrow Spot  
 **AFL26**

Horizontal Spot  
 **AFL27**

Type:

Job:

Page: 3 of 11



## Standard Features

### Electrical Module:

HPS = High Pressure Sodium

PMH = Pulse Start Metal Halide

Lamp Watts	Lamp Type	Line Volts
400	HPS	277

Cat. Nos. for Electrical Modules available:

	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120
	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208
	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240
	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277
	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347
	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480
Lamp	E-18 Clear	E-18 Clear
Socket	Mogul Base	Mogul Base
ANSI Ballast Type	S-50	S-51
	<input type="checkbox"/> 250PMH120	<input type="checkbox"/> 400PMH120
	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 400PMH208
	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 400PMH240
	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 400PMH277
	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 400PMH347
	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 400PMH480
Lamp	ED-28 Clear	ED-28 Clear
Socket	Mogul Base	Mogul Base
ANSI Ballast Type	M-138	M-135

**NOTE:** Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims.

(Visit [www.aboutlightingcontrols.org](http://www.aboutlightingcontrols.org) or the Library of Congress website for more details).

### Finish

Super TGIC powder coat paint over a titanated zirconium conversion coating.

Color: Black Dark Bronze Light Gray Stealth Gray™ Platinum Silver White Custom Color<sup>†</sup>  
 Cat. No.:  BL  DB  LG  SG  PS  WH  CC

<sup>†</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: \_\_\_\_\_