

APPLICATION FOR  
URBAN DESIGN COMMISSION  
REVIEW AND APPROVAL

AGENDA ITEM # \_\_\_\_\_  
Project # 02901

	Action Requested
DATE SUBMITTED: <u>4.12.06</u>	<input type="checkbox"/> Informational Presentation
UDC MEETING DATE: <u>4.19.06</u>	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 1713/1717 EAGAN ROAD

ALDERMANIC DISTRICT: 17<sup>th</sup>

OWNER/DEVELOPER (Partners and/or Principals) ARCHITECT/DESIGNER/OR AGENT:

ANIMART, INC JOHN BIENO  
900 GREEN VALLEY ROAD TJK DESIGN BUILD  
BEAVER DAM, WI 53910

CONTACT PERSON: JOHN BIENO TJK DESIGN BUILD

Address: 634 WEST MAIN STREET  
MADISON, WI 53703

Phone: 257 1090

Fax: 257 1092

E-mail address: jbieno@tjkdesignbuild.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 50,000 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)

**DATE:** March 8, 2006

**TO:** Urban Design Commission  
City of Madison

**FROM:** John J. Bieno, AIA  
TJK Design Build  
634 W. Main Street  
Madison, WI 53703

**RE:** **Narrative for Animart Development**

Two lots will be combined to create a 2.67 acre parcel nestled between the East Towne Mall Ring Road to the north, Lien Road to the south an existing oil lube facility to the west and low land area to the east. An existing vacant retail building on the eastern most of these two lots will be demolished as well as all of the site amenities associated with this facility. The only access point to this site is off of the East Towne Mall ring road to the north. The building is positioned to best take advantage of the existing natural contours which slope from west to east. This gives the building a better street presence as well as adding density to the intersection of Eagan and Lien Roads. We have also positioned the building to minimize the visual impact of the parking lot to Eagan and Lien Roads. Pedestrian access is incorporated with sidewalks leading out to Lien Road as well as one leading out to Eagan Road. Care has been taken in order to minimize the mingling of pedestrian and vehicular traffic through the site. Parking requirements are in line with the City requirements. There are several opportunities for green space on this site, including tree islands, buffer yards and side yard areas. At the request of the Urban Design Commission a landscape buffer has been added along the West edge of the project to help screen the utilitarian side and aspects of the project. A wall of arborvitae mixed with other dense foliage helps to create a visual barrier to this edge of the lot. Landscaping has also been incorporated along the southern edge of the parking lot next to the detention basin to help screen the parking lot from Lien Road as well as frame views to the building as you drive past it. Varying types of grasses have been utilized in the detention basins to help soften the visual impact as well as add interest to this portion to the project.

The anchor tenant for the development will be Animart, a locally owned pet supply center. They will be relocating from their existing east side facility to this new location. The remainder of the facility will be a multi-tenant arrangement. A common dock area has been incorporated into the west side of the building. This dock has been recessed into the massing of the Animart facility to minimize the visual impact that this functional necessity might pose. Entrances will be located along the east elevation facing the parking lot. Roof top mechanical units will be screened through the use of parapets and architectural features. The building is now a complete four sided architectural structure with articulation incorporated into the rear of the building which faces the intersection of Lien and Eagan Road.

Architectural character has been utilized on the facility to help in breaking up the massing. This character also aids in adding visual interest to the development. Varying parapet heights and roof forms help to make this 30,000 SF facility appear in a more approachable scale. The building also steps down in height from the Animart facility to the multi-tenant portion along Lien Road. This arrangement is in line with the currently built Quick Lube facility along Lien Road and larger big box facilities at East Towne Mall. Signage bands have been incorporated into the architecture to allow for easy installation of individual tenant signs without interrupting the architecture of the building. Natural lighting is also being incorporated through the use of several windows and the potential for skylights to help with natural light reaching the interior spaces. Accent lights on the building help to add visual interest at night. Colors and materials will unify the facility without making it seem monotonous. Currently proposed finishes are concrete block with varied accent colors and finishes, exterior insulation and finish systems, commercial grade pre-finished metal cap flashings and standing seam roofs and aluminum store front window systems.



634 West Main Street  
 Madison, WI 53703  
 608-251-1090  
 FAX 608-251-1092

PROPOSED FACILITY FOR:  
**ANIMART**  
 1713-1717 EAGAN ROAD  
 MADISON, WISCONSIN

THIS MAP IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION OR AS A BASIS FOR ANY OTHER DECISIONS WITHOUT THE CONSULTATION OF THE DESIGNER.

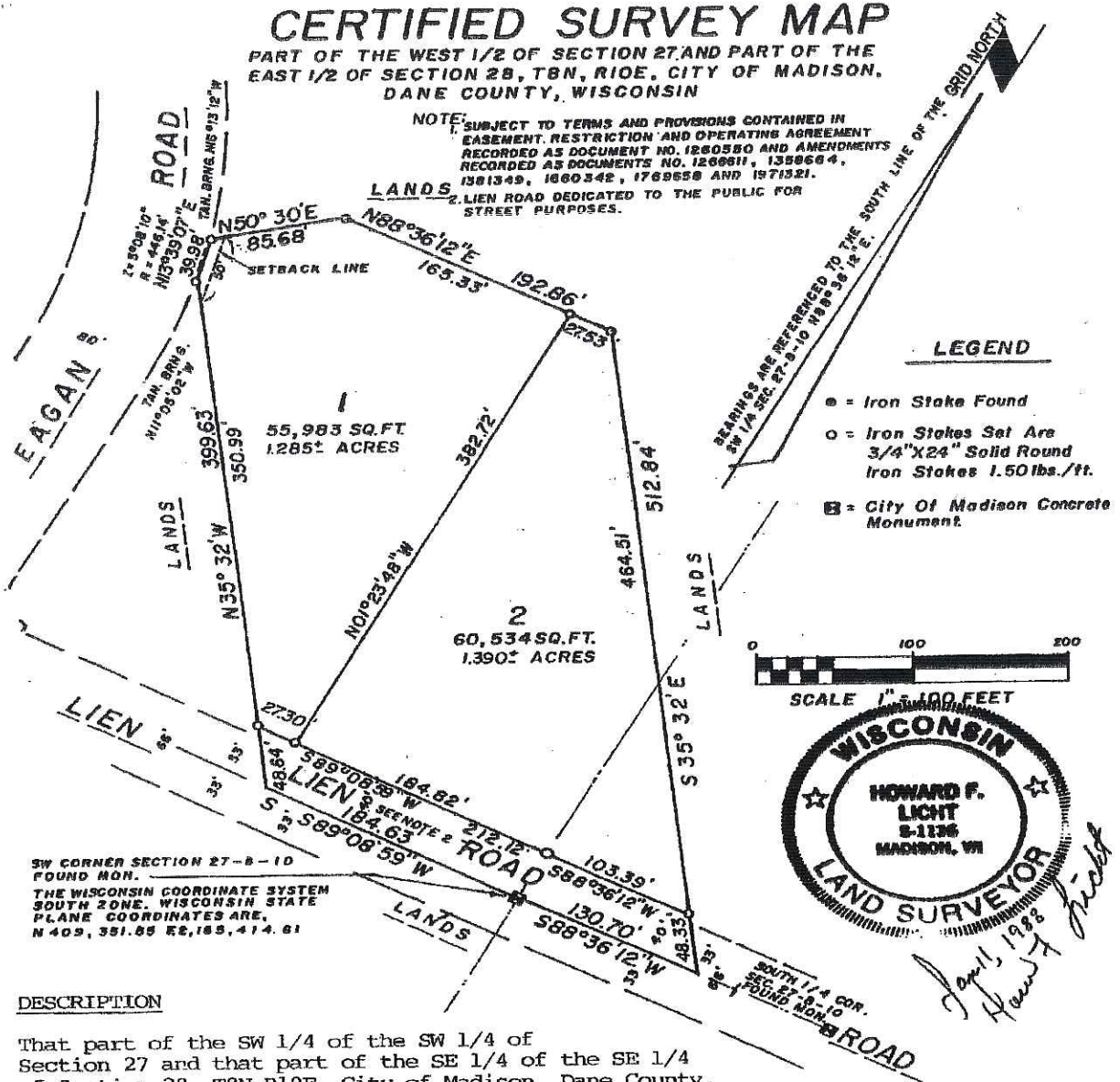
MAP

02.14.06

# CERTIFIED SURVEY MAP

PART OF THE WEST 1/2 OF SECTION 27 AND PART OF THE EAST 1/2 OF SECTION 28, T8N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN

NOTE:  
 1. SUBJECT TO TERMS AND PROVISIONS CONTAINED IN EASEMENT, RESTRICTION AND OPERATING AGREEMENT RECORDED AS DOCUMENT NO. 1260550 AND AMENDMENTS RECORDED AS DOCUMENTS NO. 1260511, 1358664, 1381349, 1600342, 1769558 AND 1971321.  
 2. LIEN ROAD DEDICATED TO THE PUBLIC FOR STREET PURPOSES.



### LEGEND

- = Iron Stake Found
- = Iron Stakes Set Are 3/4"X24" Solid Round Iron Stakes 1.50 lbs./ft.
- = City Of Madison Concrete Monument



*April, 1988*  
*Howard F. Licht*

SW CORNER SECTION 27-8-10 FOUND MON.  
 THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE, WISCONSIN STATE PLANE COORDINATES ARE, N 409, 391.85 E2, 185, 414.81

### DESCRIPTION

That part of the SW 1/4 of the SW 1/4 of Section 27 and that part of the SE 1/4 of the SE 1/4 of Section 28, T8N, R10E, City of Madison, Dane County, Wisconsin, described as follows:

Beginning at the Southwest corner of said Section 27, thence S89°08'59"W along the South line of said Section 28, 184.63 feet; thence N35°32'00"W, 399.63 feet; thence Northwesterly 40.00 feet along the arc of a curve to the left on the Easterly Right-of-Way line of Egan Road whose radius is 446.14 feet and whose chord is 39.98 feet and bears N13°39'07"W; thence N50°30'00"E, 85.68 feet; thence N88°36'12"E, 192.86 feet; thence S35°32'00"E, 512.84 feet to the South line of the SW 1/4 of said Section 27; thence S88°36'12"W along said South line 130.70 feet to the point of beginning. This parcel contains 129,134 square feet or 2.964 acres.

Subject to Sanitary Sewer Easement as recorded in Document No. 1313067.  
 Certified Survey Map No. 5747  
 Volume 27 Page 80  
 Document No. 2125741

Drawing No. 4-8706

# CERTIFIED SURVEY MAP

CITY OF MADISON, DANE COUNTY, WISCONSIN

STATE OF OHIO )  
 ) S.S.  
COUNTY OF CUYAHOGA )

BEFORE ME, a Notary Public in and for said County and State, personally appeared the above named R. E. Jacobs and David H. Jacobs, to me known to be the persons who executed the within and foregoing instrument, who acknowledged that they were duly authorized to execute such instrument on behalf of JVV MADISON JOINT VENTURE, that they did execute said instrument on behalf of said partnership and that the same is their free and voluntary act and deed as partners of said partnership and is the free and voluntary act and deed of said partnership for the uses and purposes therein set forth.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Cleveland, Ohio, this 17th day of April, 1988.

Debra Smego  
Notary Public

DEBRA SMEGO, Notary Public  
State of Ohio  
My Commission Expires Nov 17 1992

STATE OF WISCONSIN )  
 ) S.S.  
COUNTY OF MILWAUKEE )

BEFORE ME, a Notary Public in and for said County and State, personally appeared Eugene R. Skaggs and Gary M. Hewitt to me known to be the Vice President and Assistant Secretary respectively of THE NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY, the Corporation which executed the foregoing instrument, who acknowledged that they did sign and seal the foregoing instrument for, and on behalf of said Corporation, being thereunto duly authorized by its Board of Trustees; that the same is the free act and deed as such officers and the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Milwaukee, Wisconsin this 5th day of April, 1988.

BERNICE BUSE  
NOTARY PUBLIC  
STATE OF WISCONSIN

Bernice Buse  
Notary Public  
Bernice Buse

My Commission Expires January 26, 1992.

Certified Survey Map No. 5747

Volume No. 27 Page 81

Document No. 2125741

Drawing No. 4-8706

# CERTIFIED SURVEY MAP

CITY OF MADISON, DANE COUNTY, WISCONSIN

I, Howard F. Licht, Registered Land Surveyor, S-1136, do hereby certify that this Certified Survey is in full compliance with Chapter 236.34 of the Wisconsin Statutes and the Subdivision Regulations of the City of Madison. I also certify that I have surveyed, divided and mapped the lands described herein and that the map is a correctly dimensioned representation in accordance with the information furnished.

Dated this 11<sup>th</sup> day of January, 1988.

Howard F. Licht  
Howard F. Licht,  
Registered Land Surveyor S-1136

STATE OF WISCONSIN )  
                          ) S.S.  
COUNTY OF DANE    )

"Resolved that this Certified Survey located in the City of Madison was hereby approved by resolution number 44,540, file number 3091 adopted on the X day of X, 198X, and furthermore certify that the condition of said approval was fulfilled on the X day of May 17, 1988.

Dated this 2 day of February, 1989.

Andre Blum  
Andre Blum, City Clerk

Received for recording this 2<sup>ND</sup> day of FEBRUARY, 1989, at 1112 o'clock A.M. and recorded in Volume 27 of Certified Survey Maps of Dane County, pages 80182.

Jane Licht  
JANE LICHT, Registrar of Deeds  
KARIN LE SUBERA DEPUTY CLERK  
Owner: Madison Joint Venture

Witness as to Owner:

By: JVI Madison Joint Venture

Charles Clina  
George

By: R. E. Jacobs

By: David H. Jacobs

By The Northwestern Mutual Life Insurance Company

Bernice Buso  
Bernice Buso

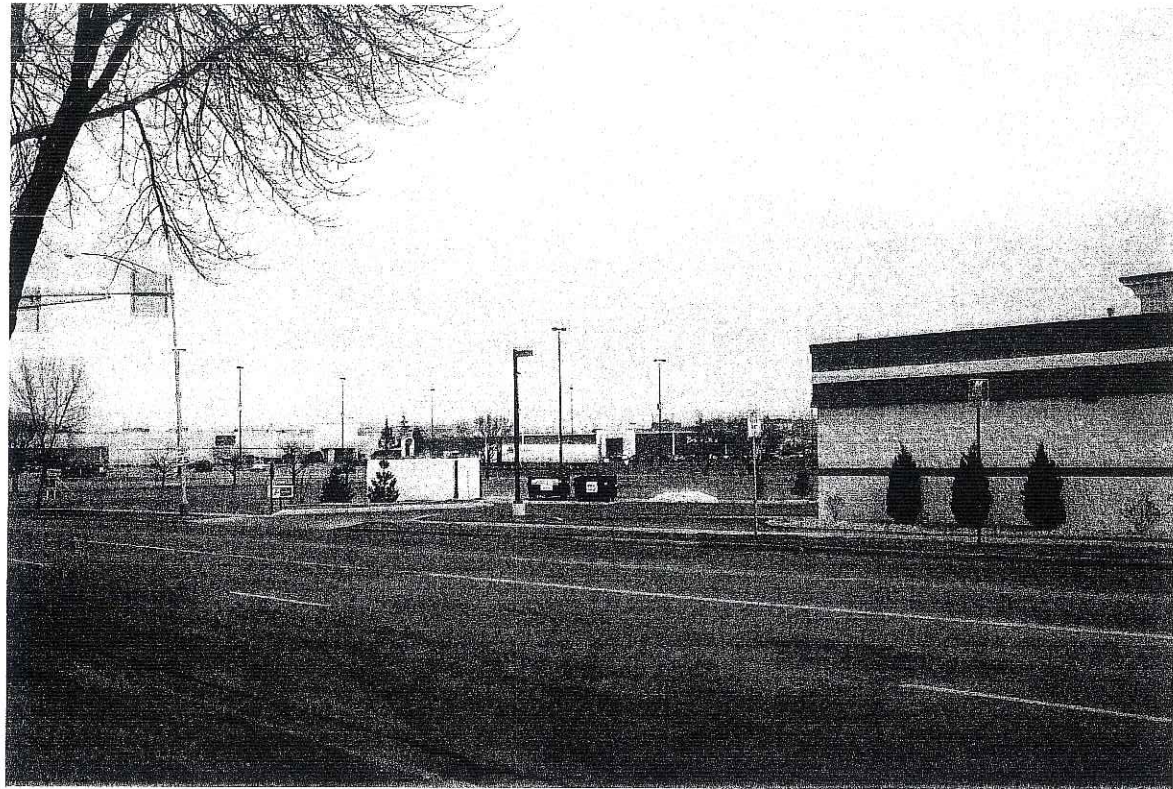
By: Eugene R. Skaggs, Vice President

Janet M. Szukalski  
Janet M. Szukalski

By: Gary M. Hewitt, Ass't Secretary

Certified Survey Map No. 5747  
Volume 27 Page 82  
Document No. 2125741

Drawing No. 4-8706

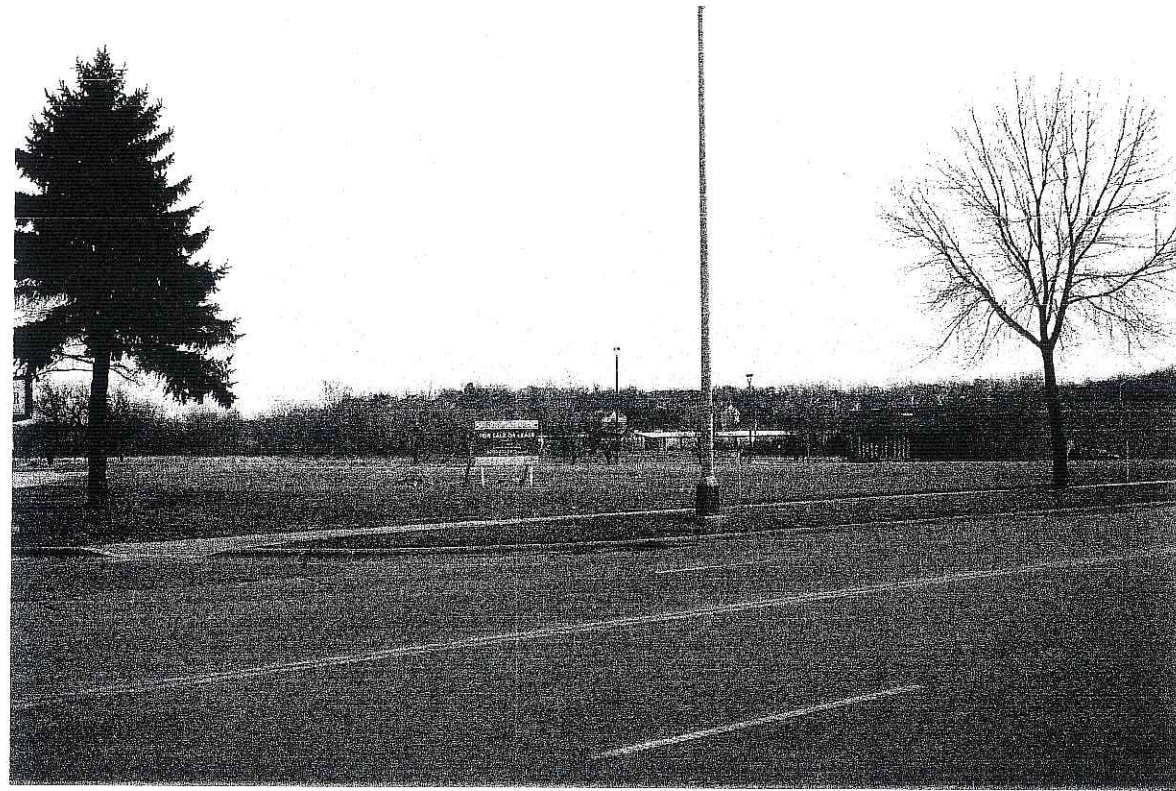


SOUTHWEST PROPERTY LINE



SOUTHWEST PROPERTY LINE

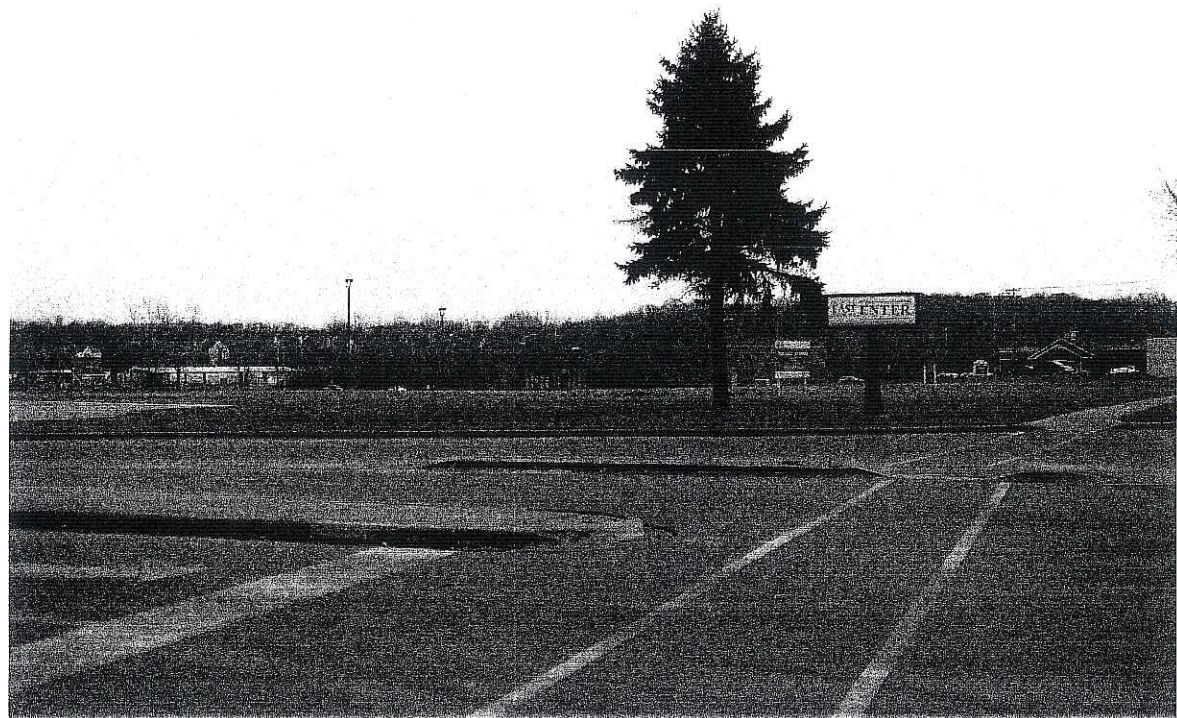




NORTHWEST PROPERTY LINE



WEST PROPERTY LINE



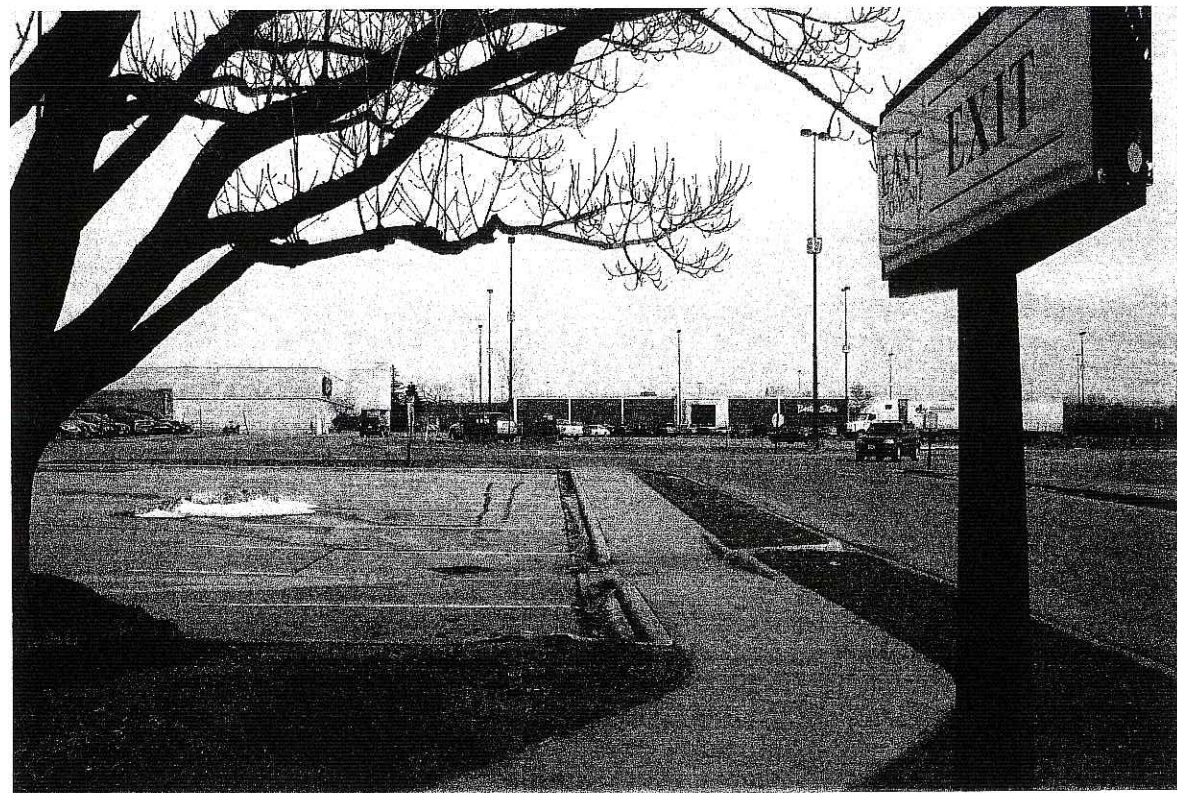
NORTHWEST PROPERTY LINE



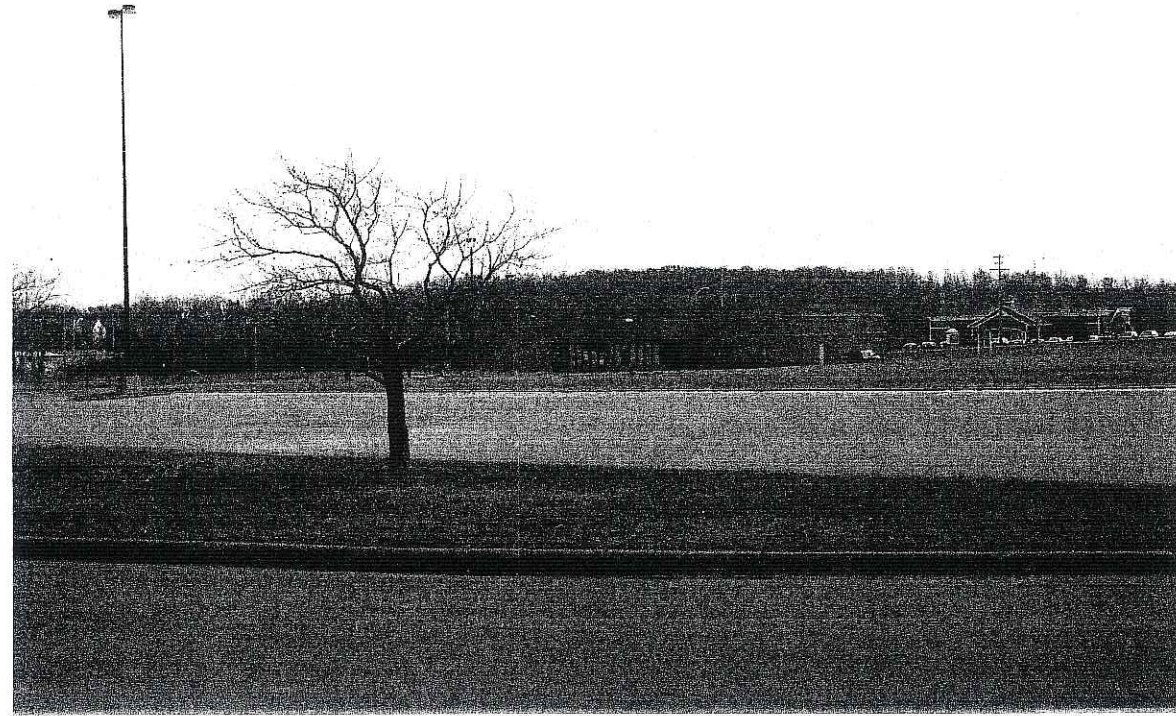
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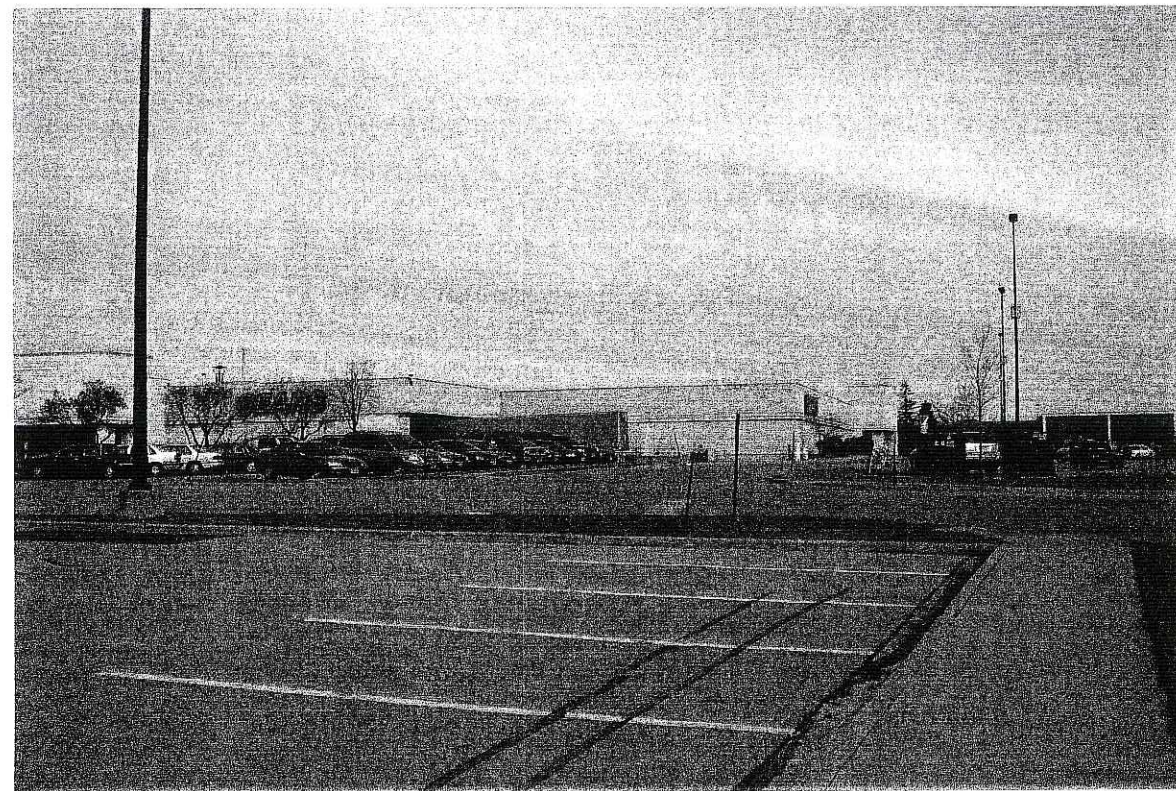
NORTHWEST PROPERTY LINE



EXISTING SIDEWALK



NORTH PROPERTY LINE



EXISTING SIDEWALK



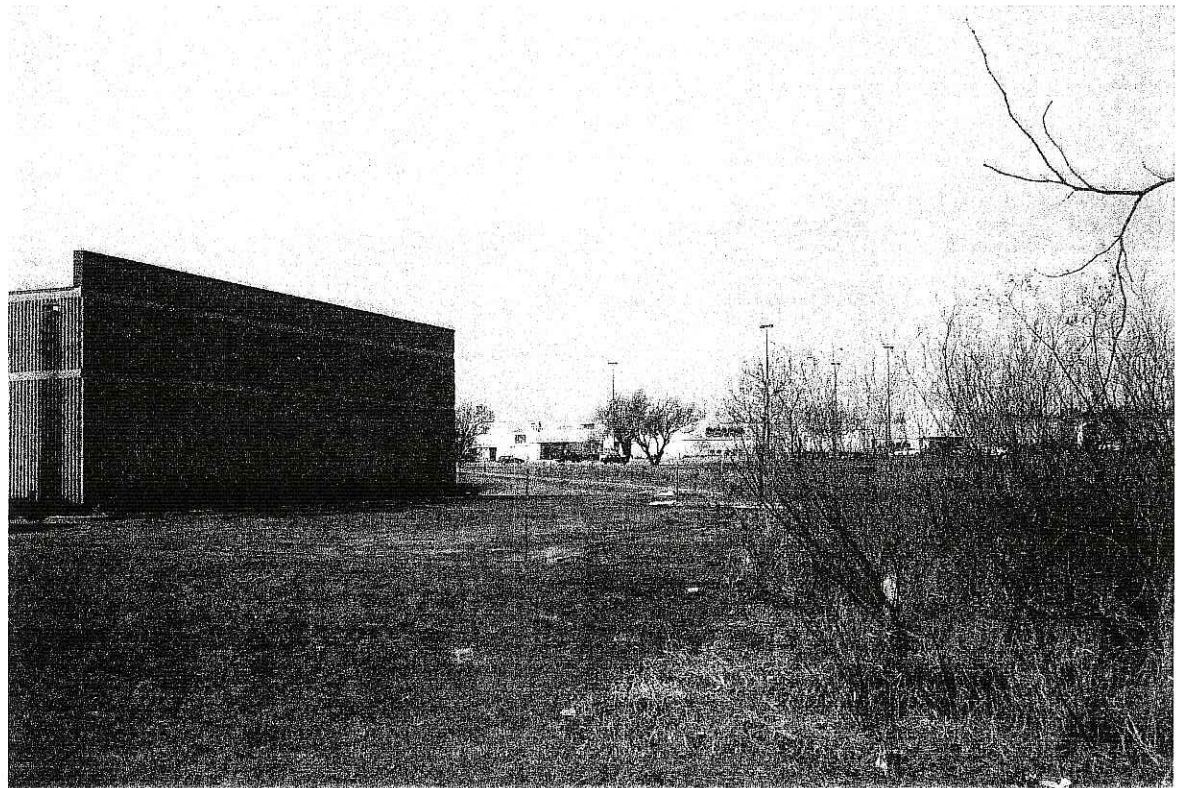
SOUTHEAST CORNER LOOKING NORTHEAST



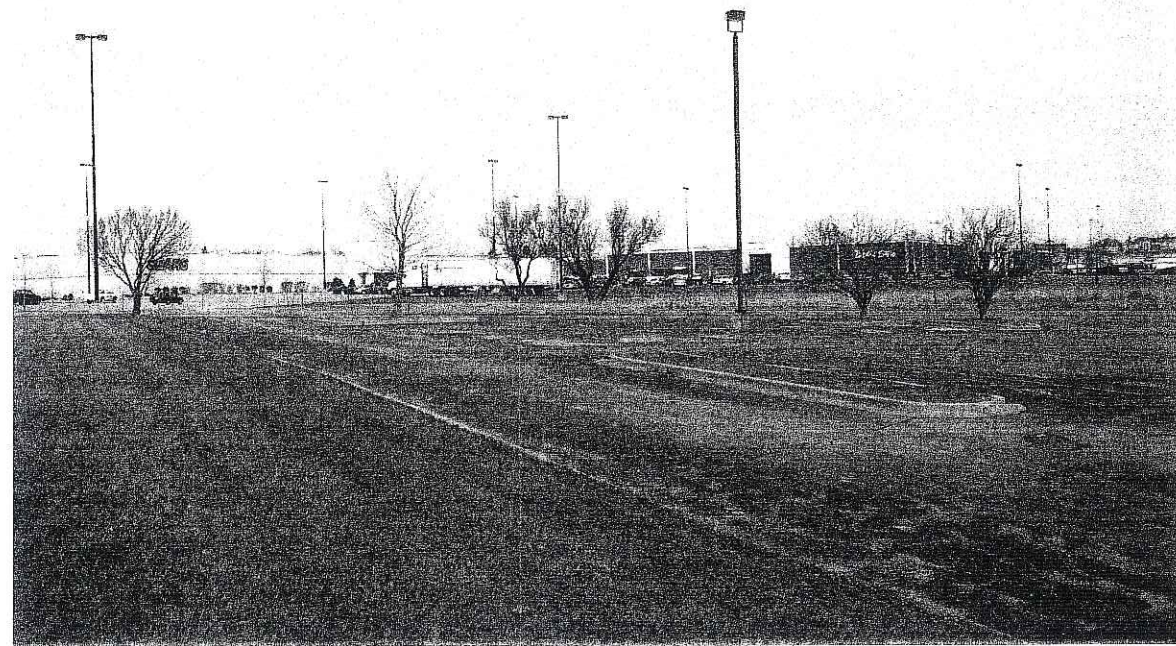
EXISTING BUILDING



EXISTING PARKING LOT LOOKING SOUTH



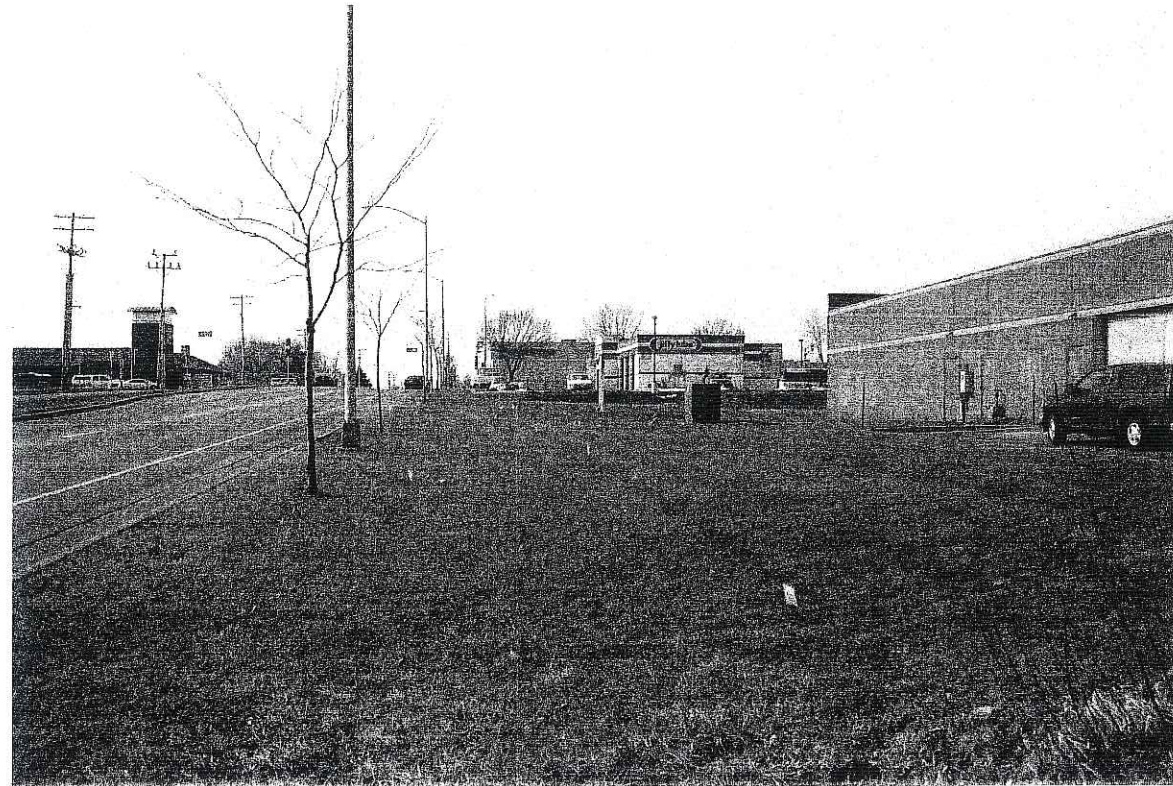
SOUTHEAST CORNER LOOKING NORTH



LOOKING NORTH



LOOKING NORTH

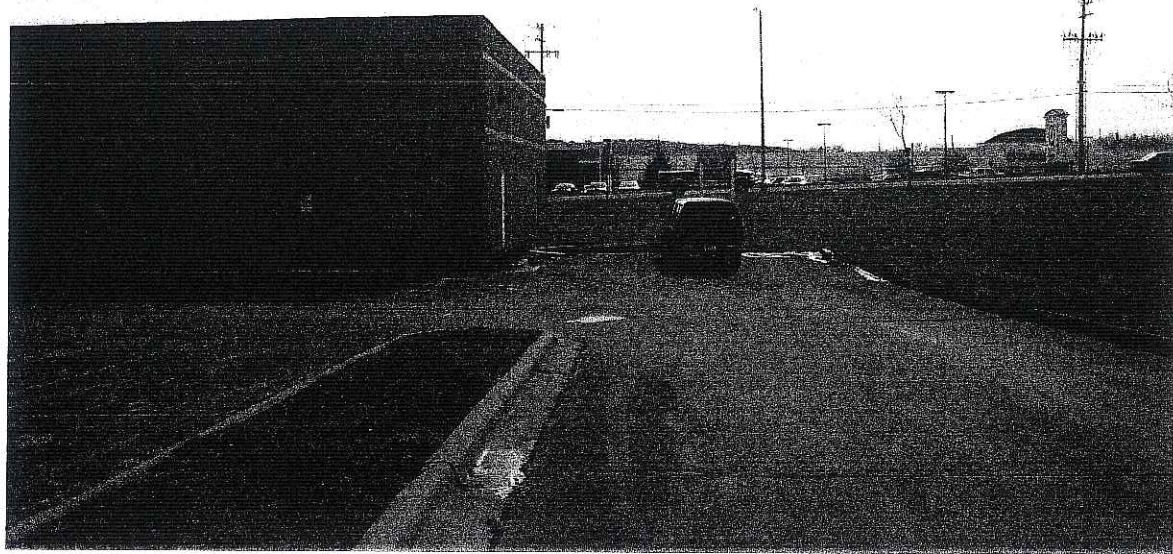


LIEN ROAD



LOOKING WEST

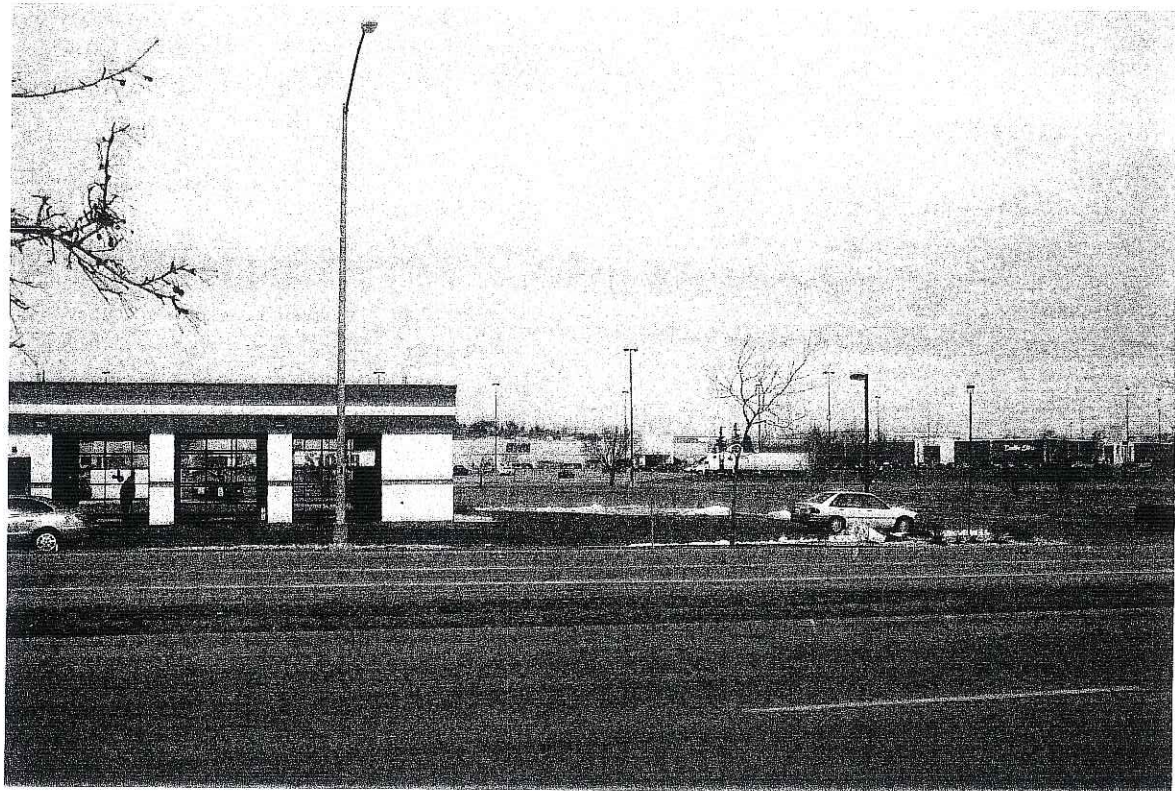




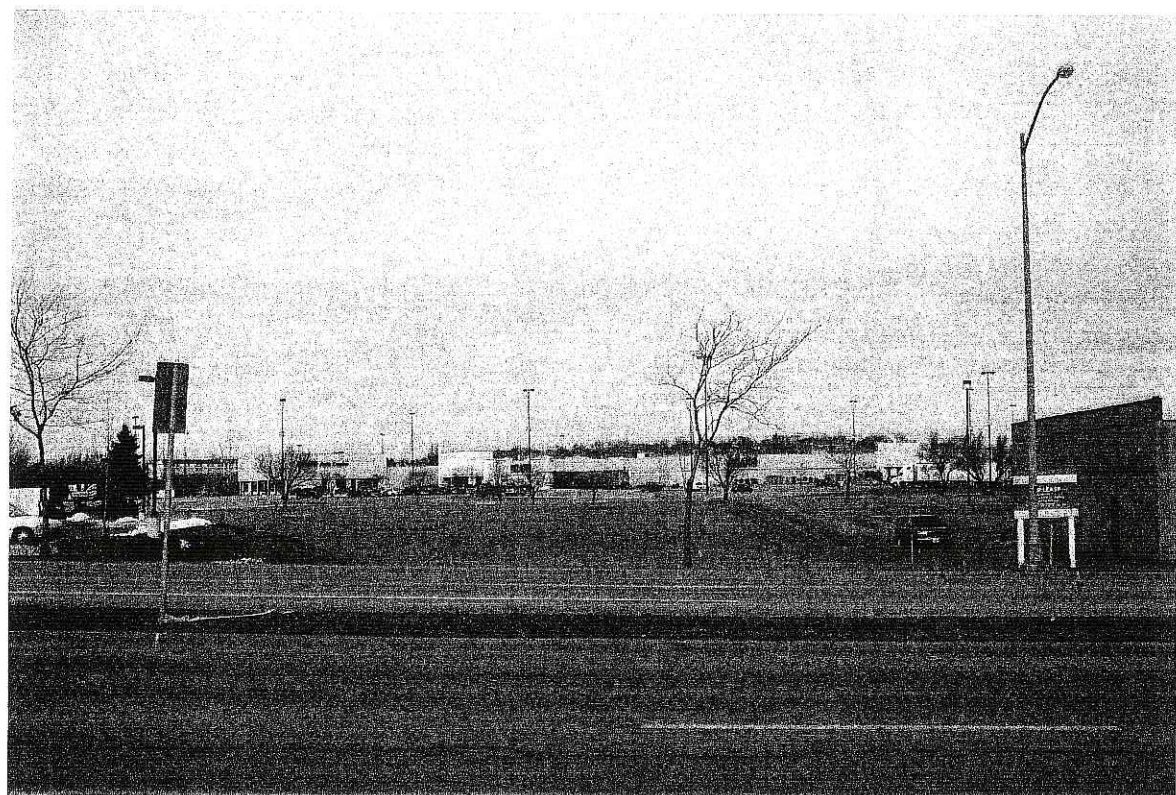
LOOKING SOUTH



LOOKING WEST



SOUTH PROPERTY LINE



SOUTH PROPERTY LINE



LOOKING NORTH



LOOKING EAST

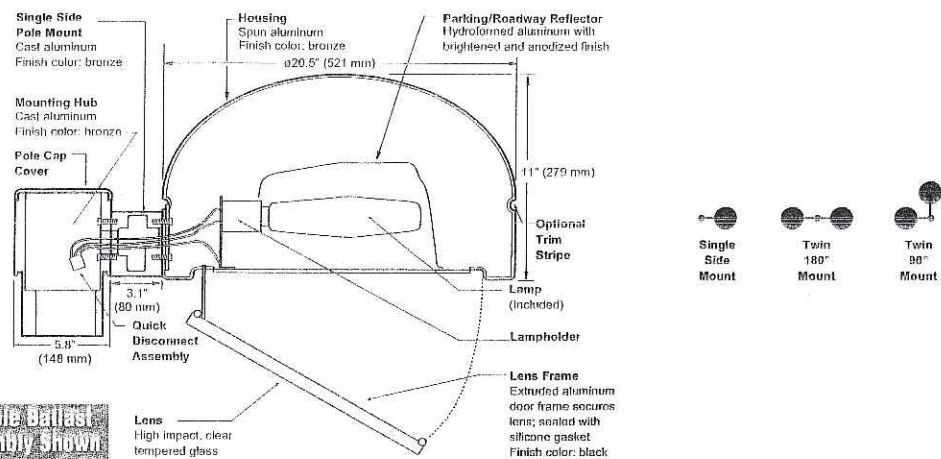
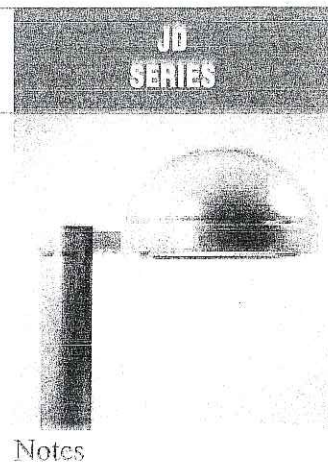


ANIMART



ANIMART

**SIDE POLE MOUNT**  
**ROUND PARKING/ROADWAY DOME TOP LIGHT**



Notes

**In-Pole Ballast Assembly Shown on Reverse Side**

SPEC #	WATTAGE	CATALOG #
<b>PULSE START METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	200W PSMH	JD(a)(b)620(c)-(d)
<input type="checkbox"/> SPEC #	250W PSMH	JD(a)(b)625(c)-(d)
<input type="checkbox"/> SPEC #	320W PSMH	JD(a)(b)632(c)-(d)
<input type="checkbox"/> SPEC #	350W PSMH	JD(a)(b)635(c)-(d)
<input type="checkbox"/> SPEC #	400W PSMH	JD(a)(b)640(c)-(d)
<b>METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	175W MH	JD(a)(b)417(c)-(d)
<input type="checkbox"/> SPEC #	250W MH	JD(a)(b)425(c)-(d)
<input type="checkbox"/> SPEC #	400W MH	JD(a)(b)440(c)-(d)
<b>HIGH PRESSURE SODIUM</b>		
<input type="checkbox"/> SPEC #	150W HPS	JD(a)(b)515(c)-(d)
<input type="checkbox"/> SPEC #	250W HPS	JD(a)(b)525(c)-(d)
<input type="checkbox"/> SPEC #	400W HPS	JD(a)(b)540(c)-(d)

Specify (a) Second Fixture Type (twin mount), (b) Mounting Configuration, (c) Trim Stripe & (d) Voltage.

(d) VOLTAGE SUFFIX KEY	(a) SECOND FIXTURE (TWIN MOUNT)
M	0
1	D
2	E
27	F
3	
4	
5	
6	

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

(c) TRIM STRIPE
R
G

(a) SECOND FIXTURE (TWIN MOUNT)
0
D
E
F

(b) MOUNTING CONFIGURATION
1
2
3

**GENERAL DESCRIPTION**  
 Parking/Roadway luminaire for HID lamp totally enclosed. Supplied with IES Type III (field adjustable to Type II) optical system. Housing is one-piece spun-aluminum with single reveal rolled into the side wall. Mounting consists of a 1.8" (45 mm) wide by 2.6" (66 mm) high by 3.1" (80 mm) long cast aluminum arm. The arm assembly attaches to a 5.8" (148 mm) dia. hub, using two 5/16-1" (25 mm) bolts. The hub is secured to the pole with three 3/8"-16 set screws to prevent rotation. Quick disconnect assembly inside hub provides easy wiring of fixture to ballast frame. Supply wires attach to terminal block located at bottom of ballast frame. Lens assembly consists of rigid extruded aluminum door frame and high-impact clear-tempered glass sealed with a silicone gasket. Pole is structural steel tubing (ASTM A 513) 19" (5.8 m) x 5.5" (140 mm) dia., with 0.120" (3 mm) wall thickness. Optional 15' (4.6 m), 25' (7.6 m) and 30' (9.2 m) poles available.

**ELECTRICAL**  
 Fixture includes a clear, mogul-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Lamp ignitor included where required. In-pole ballast assemblies are high-power factor and consist of the following circuit types:  
*Reactor (277V PSMH)*  
 200 – 400W PSMH  
*HX — High Reactance*  
 150W HPS  
*CWA — Constant Wattage Autotransformer*  
 200 – 400W PSMH; 175 – 400W MH;  
 250 – 400W HPS

**LABELS**  
 ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP64 per IEC 529 and IEC 598.

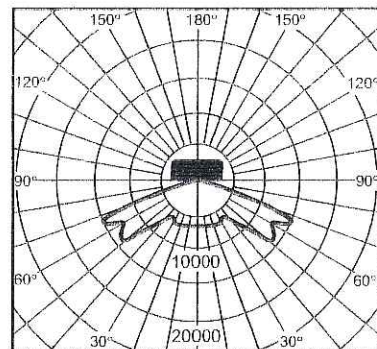
**FINISH**  
 Exclusive DeltaGuard® finish features an E-coat epoxy primer with medium bronze ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.



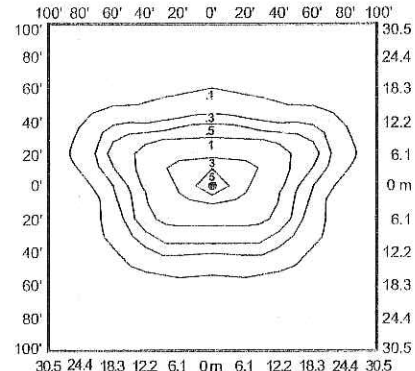
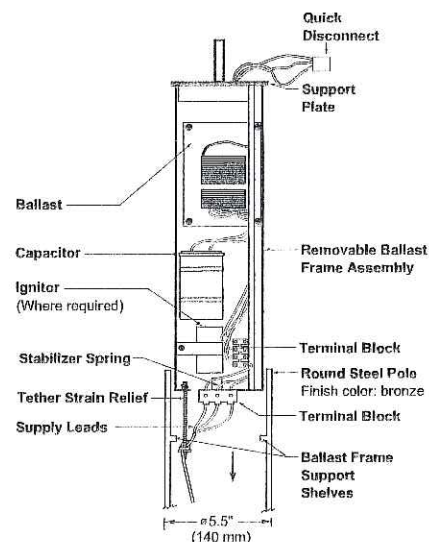
**WINDLOADING AND POLE DATA**

This pole and fixture combination meets windload characteristics through 120 mph (base wind velocity) except twin mounts on 30' (9.2 m) poles above 100 mph. Each pole is shipped complete with galvanized anchor bolts, masonite mounting template and base with one-piece cover. In accordance with National Electrical Code requirements, poles are standard with a 2" x 6" (51 mm x 152 mm) hand hole located 12" (305 mm) above the pole base, and include hand hole cover and grounding lug. Poles are classified by Underwriters Laboratories Inc.® with respect to electrical hazards only (not for mechanical strength or windloading) per UL 5P12 in the US and Canada.

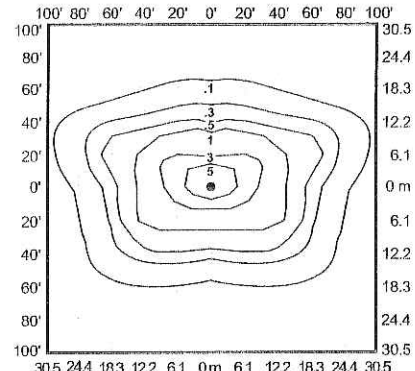
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



Lighting Sciences Inc.  
Certified Test Report No. LSI 10473  
Candlepwr distribution curve of  
400W MH Round Parking/Roadway Light.



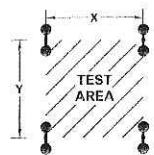
Isofootcandle plot of 250W MH  
Parking/Roadway Light at 25' (7.6 m)  
mounting height and 0° vertical tilt.  
(Plan view)



Isofootcandle plot of two 250W HPS  
Parking/Roadway Lights at 25' (7.6 m)  
mounting height and 0° vertical tilt.  
(Plan view)

**J SERIES POLE**

Dimensions	Bolt Circle	Shipping Weight
15' (4.6 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	113 lb.
19' (5.8 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	141 lb.
25' (7.6 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	182 lb.
30' (9.2 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	217 lb.



Test area is centered within a (16) pole layout.  
**Max. Recommended Pole-spacing**

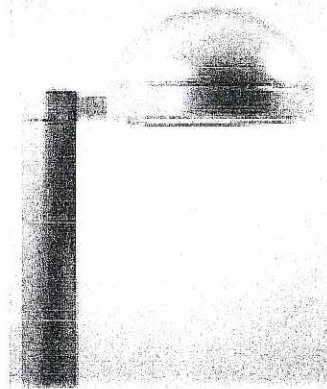
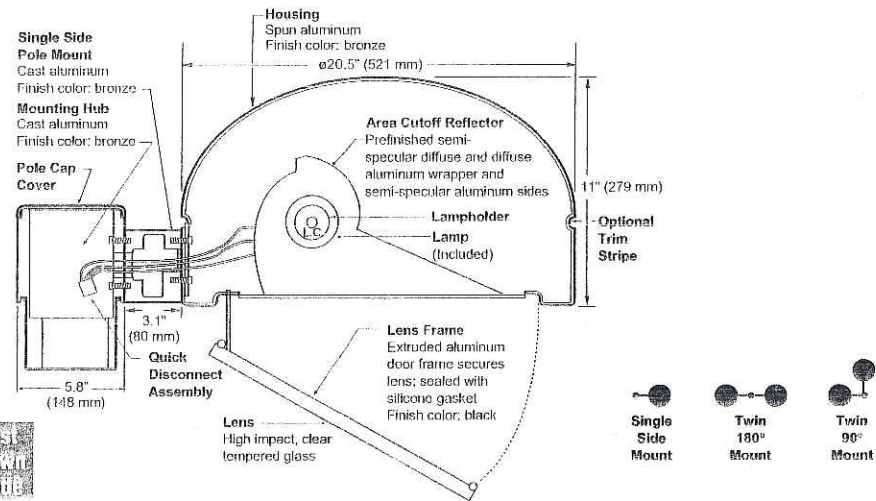
**Average Initial Light Levels at Grade**  
**2 Fixtures per Pole @ 180°**  
(Footcandles ÷ 0.0929 = Lux)

Catalog #	Lamp Type	Lamp Lumens	Mounting Height	Max. Recommended Pole-spacing		Average Initial Light Levels at Grade	
				X	Y	Footcandles	Lux
JDD2425-M	250W MH	20,000	20' (6.1 m)	120' (36.6 m)	80' (24.4 m)	3.60	39
			25' (7.6 m)	150' (45.7 m)	100' (30.5 m)	2.22	24
JDD2440-M	400W MH	32,000	25' (7.6 m)	150' (45.7 m)	100' (30.5 m)	3.56	38
			30' (9.1 m)	180' (54.9 m)	120' (36.6 m)	2.41	26
JDD2525-M	250W HPS	28,500	20' (6.1 m)	120' (36.6 m)	80' (24.4 m)	4.94	53
			25' (7.6 m)	150' (45.7 m)	100' (30.5 m)	3.08	33
JDD2540-M	400W HPS	50,000	25' (7.6 m)	150' (45.7 m)	100' (30.5 m)	5.41	58
			30' (9.1 m)	180' (54.9 m)	120' (36.6 m)	3.67	40



**SIDE POLE MOUNT**  
**ROUND AREA CUTOFF DOME TOP LIGHT**

**JE**  
**SERIES**



Notes

In-Pole Ballast Assembly Shown on Reverse Side

SPEC #	WATTAGE	CATALOG #
<b>PULSE START METAL HALIDE</b>		
<input type="checkbox"/>	SPEC # 200W PSMH	JE(a)(b)620(c)-(d)
<input type="checkbox"/>	SPEC # 250W PSMH	JE(a)(b)625(c)-(d)
<input type="checkbox"/>	SPEC # 320W PSMH	JE(a)(b)632(c)-(d)
<input type="checkbox"/>	SPEC # 350W PSMH	JE(a)(b)635(c)-(d)
<input type="checkbox"/>	SPEC # 400W PSMH	JE(a)(b)640(c)-(d)
<b>METAL HALIDE</b>		
<input type="checkbox"/>	SPEC # 175W MH	JE(a)(b)417(c)-(d)
<input type="checkbox"/>	SPEC # 250W MH	JE(a)(b)425(c)-(d)
<input type="checkbox"/>	SPEC # 400W MH	JE(a)(b)440(c)-(d)
<b>HIGH PRESSURE SODIUM</b>		
<input type="checkbox"/>	SPEC # 150W HPS	JE(a)(b)515(c)-(d)
<input type="checkbox"/>	SPEC # 250W HPS	JE(a)(b)525(c)-(d)
<input type="checkbox"/>	SPEC # 400W HPS	JE(a)(b)540(c)-(d)

(b) VOLTAGE SUFFIX KEY	
M	120/208/240/277V (Standard)
F	120/277/347V (Canada Only) (Standard)
1	120V
2	277V
27	277V Reactor (PSMH Only)
3	208V
4	240V
5	480V
6	347V (Canada Only)

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

(a) SECOND FIXTURE (TWIN MOUNT)	
Q	No second fixture
D	Dome Top, Parking Roadway
E	Dome Top, Area Cutoff
V	Dome Top, Quadrate Vertical

(c) TRIM STRIPE	
R	Red
G	Gray

(b) MOUNTING CONFIGURATION	
1	Single Side Mount
2	Twin @ 180° Mount
3	Twin @ 90° Mount

Specify (a) Second Fixture Type (twin mount), (b) Mounting Configuration, (c) Trim Stripe & (d) Voltage.  
 † Reduced envelope ED28 lamp.

**GENERAL DESCRIPTION**

60° forward throw sharp cutoff luminaire for HID lamp totally enclosed. Housing is one-piece spun-aluminum with single reveal rolled into the side wall. Mounting consists of a 1.8" (45 mm) wide by 2.6" (66 mm) high by 3.1" (80 mm) long cast aluminum arm. The arm assembly attaches to a 5.8" (148 mm) dia. hub, using two 5/16-18 x 1" (25 mm) bolts. Hub is secured to pole with three 3/8"-16 set screws to prevent rotation. Quick disconnect assembly inside hub provides easy wiring of fixture to ballast frame. Supply wires attach to terminal block located at bottom of ballast frame. Lens assembly consists of rigid extruded aluminum door frame and high-impact clear-tempered glass sealed with a silicone gasket. Pole is structural steel tubing (ASTM A 513) 19" (5.8 m) x 5.5" (140 mm) dia., with 0.120" (3 mm) wall thickness. Optional 15' (4.6 m), 25' (7.6 m) and 30' (9.2 m) poles available.

**ELECTRICAL**

Fixture includes a clear, mogul-base lamp. 320 – 400W PSMH and 400W MH utilize the ED28 reduced envelope lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Lamp ignitor included where required. In-pole ballast assemblies are high-power factor and consist of the following circuit types:

- Reactor (277V PSMH)  
200 – 400W PSMH
- HX — High Reactance  
150W HPS
- CWA — Constant Wattage Autotransformer  
200 – 400W PSMH; 175 – 400W MH;  
250 – 400W HPS

**FINISH**

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

**LABELS**

ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP64 per IEC 529 and IEC 598.

**ACCESSORIES**

SBL-16J Backlight Shield

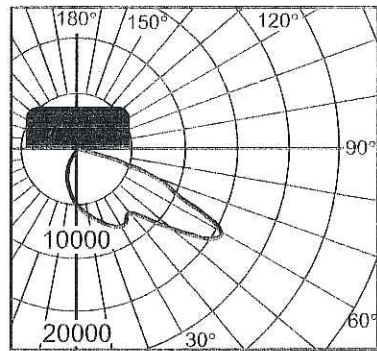




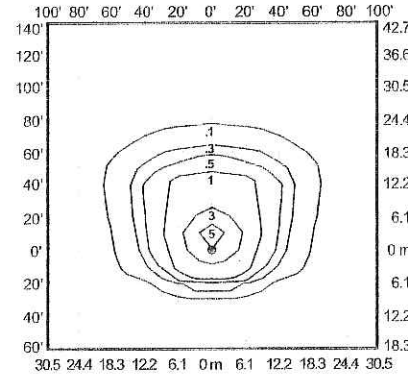
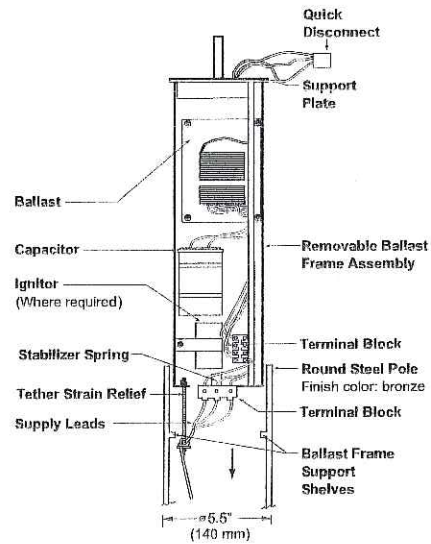
**WINDLOADING AND POLE DATA**

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

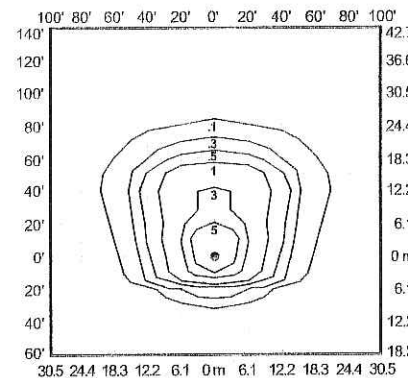
This pole and fixture combination meets windload characteristics through 120 mph (base wind velocity) except twin mounts on 30' (9.2 m) poles above 100 mph. Each pole is shipped complete with galvanized anchor bolts, masonite mounting template and base with one-piece cover. In accordance with National Electrical Code requirements, poles are standard with a 2" x 6" (51 mm x 152 mm) hand hole located 12" (305 mm) above the pole base, and include hand hole cover and grounding lug. Poles are classified by Underwriters Laboratories Inc.® with respect to electrical hazards only (not for mechanical strength or windloading) per UL 5P12 in the US and Canada.



Lighting Sciences Inc.  
Certified Test Report No. LSI 10553  
Candlepower distribution curve of 400W MH  
Area Cutoff Floodlight without backlight shield.



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

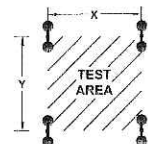


Isofootcandle plot of 250W HPS Area  
Cutoff Light at 25' (7.6 m) mounting height  
and 0° vertical tilt.  
(Plan view)

**J SERIES POLE**

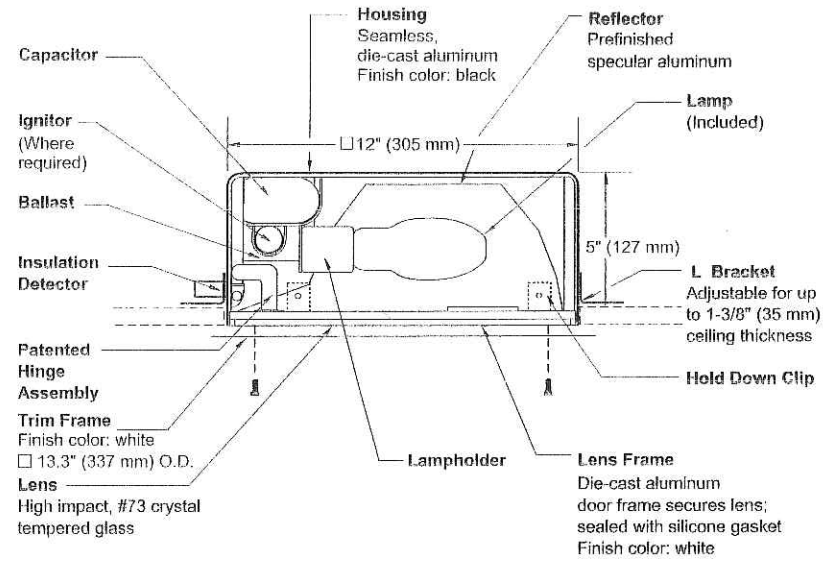
Dimensions	Bolt Circle	Shipping Weight
15' (4.6 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	113 lb.
19' (5.8 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	141 lb.
25' (7.6 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	182 lb.
30' (9.2 m) x 5.5" (140 mm) x 0.120" (3 mm)	8.5" (216 mm)	217 lb.

**Pole-spacing Example Data**



Test area is centered within a (16) pole layout.  
**Max. Recommended Pole-spacing**

Catalog #	Lamp Type	Lamp Lumens	Mounting Height	X x Y	Average Initial Light Levels at Grade	
					Footcandles	Lux
JEE2425-M	250W MH	20,000	20' (6.1 m)	75' (22.9 m) x 110' (33.5 m)	3.51	38
			25' (7.6 m)	95' (29.0 m) x 135' (41.1 m)	2.10	27
JEE2440-M	400W MH	32,000	25' (7.6 m)	95' (29.0 m) x 135' (41.1 m)	3.36	36
			30' (9.1 m)	115' (35.1 m) x 165' (50.3 m)	2.28	25
JEE2525-M	250W HPS	28,500	20' (6.1 m)	75' (22.9 m) x 110' (33.5 m)	4.83	52
			25' (7.6 m)	95' (29.0 m) x 135' (41.1 m)	2.89	31
JEE2540-M	400W HPS	50,000	25' (7.6 m)	95' (29.0 m) x 135' (41.1 m)	5.08	55
			30' (9.1 m)	115' (35.1 m) x 165' (50.3 m)	3.37	36



Notes

SPEC #	WATTAGE	CATALOG #
<b>PULSE START METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	125W PSMH	MRC0612-(a)(b)
<input type="checkbox"/> SPEC #	150W PSMH	MRC0615-(a)(b)
<b>METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	50W MH	MRC0405-(a)(b)
<input type="checkbox"/> SPEC #	70W MH	MRC0407-(a)(b)
<input type="checkbox"/> SPEC #	100W MH	MRC0410-(a)(b)
<input type="checkbox"/> SPEC #	175W MH	MRC0417-(a)(b)
<b>HIGH PRESSURE SODIUM</b>		
<input type="checkbox"/> SPEC #	35W HPS	MRC0503-(a)(b)
<input type="checkbox"/> SPEC #	50W HPS	MRC0505-(a)(b)
<input type="checkbox"/> SPEC #	70W HPS	MRC0507-(a)(b)
<input type="checkbox"/> SPEC #	100W HPS	MRC0510-(a)(b)
<input type="checkbox"/> SPEC #	150W HPS	MRC0515-(a)(b)
<b>FLUORESCENT</b>		
<input type="checkbox"/> SPEC #	26W FL	MRC0226-(a)(b)

Specify (a) Voltage & (b) Options.

(a) VOLTAGE SUFFIX KEY
1 120V (Standard)
2 277V (PSMH; 50 – 175W MH; 50 – 150W HPS; 26W FL)
3 208V (PSMH; 50 – 175W MH; 50 – 150W HPS)
4 240V (PSMH; 50 – 175W MH; 50 – 150W HPS)
6 347V (Canada Only) (PSMH; 50 – 175W MH; 70 – 150W HPS)

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

(b) OPTIONS (factory-installed)
A Acrylic Drop Prismatic Lens (1.8" [44 mm] Deep) (maximum wattage 100W)
(a) F Fusing
Q Quartz Standby (includes 100W quartz lamp)

Specify (a) Single Voltage — See Voltage Suffix Key

**GENERAL DESCRIPTION**

Recessed Canopy luminaire for HID lamp, totally enclosed. Reflector is specular aluminum. Housing is seamless, die-cast aluminum. Includes four adjustable steel "L" brackets for mounting to various ceiling thicknesses and four hold down clips to prevent fixture movement during trim installation. Rough-in 12.3" (311 mm) sq. hole required for fixture installation. Two 1/2" conduit openings provided for wire supply. A maximum of 4 No. 12 AWG (2 in/2 out) through branch circuit conductors suitable for at least 150°C allowed on fixtures 100W or less. Fixtures are provided with a UL listed insulation detector, which will deactivate fixture if inadvertently covered with insulation. Lens assembly consists of rigid aluminum frame and high-impact, #73 crystal tempered glass.

**ELECTRICAL**

Fluorescent fixture supplied with a 26W quad compact fluorescent lamp. HID fixture includes clear, medium-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Fixtures require a minimum 150°C temperature feed wire. Lamp ignitor included where required. Ballast assemblies are high-power factor and use the following circuit types:

*Electromagnetic*  
26W FL

*Reactor*  
120V: 35 – 150W HPS

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

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

**LABELS**

ANSI lamp wattage label supplied, visible during relamping. UL Listed in the US and Canada for wet locations. 150 & 175W not UL Listed for feed-thru wiring.

**FINISH**

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

**PATENT**

US 4,689,729

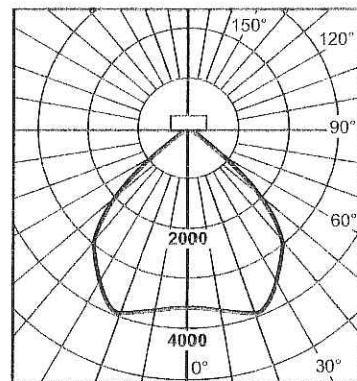
**ACCESSORIES**

LPF-12 2 x 2 Lay-in Panel



**Metal Halide**

Lamp: 175 Watt (Clear) – 14,000 lumens  
 Lens: #73 Crystal Tempered Glass  
 Test Distance: 26' (8 m)  
 Certified Test Report: Lighting Sciences Inc. No. LSI 9562



**Candlepower Summary**

Angle	Along	45	Across
0	3590	3580	3590
5	3515	3520	3618
10	3672	3677	3736
15	3868	3867	3863
20	3802	3987	3950
25	3510	3992	3833
30	3075	3817	3566
35	2602	3378	3270
40	2058	2720	2911
45	1480	2055	2334
50	1031	1415	1667
55	704	1024	1193
60	515	698	779
65	384	463	496
70	259	324	347
75	209	233	280
80	152	163	196
85	68	71	98
90	0	4	4

Efficiency = 63.2%; SC = 1.2; S/MH = 1.2

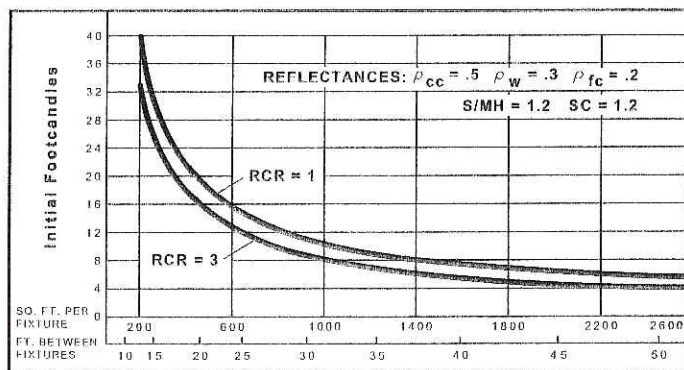
**Zonal Lumens and Percentages**

Zone	Lumens	% Lamp	% Fixture
0-30	3292	23.5	37.2
0-40	5316	38.0	60.1
0-60	7925	56.6	89.6
0-90	8840	63.1	100.00
90-120	0.0	0.0	0.0
90-130	0.0	0.0	0.0
90-150	0.0	0.0	0.0
90-180	0.0	0.0	0.0
0-180	8841	63.2	100.00

**Coefficients of Utilization**

Effective Floor Cavity Reflectance = 0.20

CC	80				70				50				30				10			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
WALL																				
RCR																				
1	0.70	0.67	0.65	0.63	0.68	0.66	0.64	0.62	0.63	0.61	0.60	0.61	0.59	0.58	0.58	0.57	0.56			
2	0.64	0.60	0.56	0.53	0.63	0.59	0.55	0.53	0.57	0.54	0.51	0.55	0.52	0.50	0.53	0.51	0.49			
3	0.59	0.54	0.49	0.46	0.58	0.53	0.49	0.45	0.51	0.47	0.44	0.49	0.46	0.44	0.48	0.45	0.43			
4	0.55	0.48	0.43	0.40	0.54	0.48	0.43	0.39	0.46	0.42	0.39	0.45	0.41	0.38	0.43	0.40	0.38			
5	0.51	0.44	0.39	0.35	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.39	0.36	0.34			
6	0.47	0.40	0.35	0.31	0.46	0.39	0.34	0.31	0.38	0.34	0.31	0.37	0.33	0.30	0.36	0.33	0.30			
7	0.44	0.36	0.31	0.28	0.43	0.36	0.31	0.28	0.35	0.31	0.27	0.34	0.30	0.27	0.33	0.30	0.27			
8	0.41	0.33	0.28	0.25	0.40	0.33	0.28	0.25	0.32	0.28	0.25	0.31	0.27	0.25	0.31	0.27	0.24			
9	0.39	0.31	0.26	0.23	0.38	0.30	0.26	0.23	0.30	0.25	0.22	0.29	0.25	0.22	0.28	0.25	0.22			
10	0.36	0.28	0.24	0.21	0.35	0.28	0.24	0.21	0.27	0.23	0.20	0.27	0.23	0.20	0.26	0.23	0.20			



QUICK CALCULATOR: Use this chart to determine the number and spacing of Roud 12" (305 mm) Canopy Lights with 175W MH lamp. Numbers and spacing for other wattages may be determined as follows: 50W multiply by 0.24; 70W multiply by 0.39; 100W multiply by 0.64.



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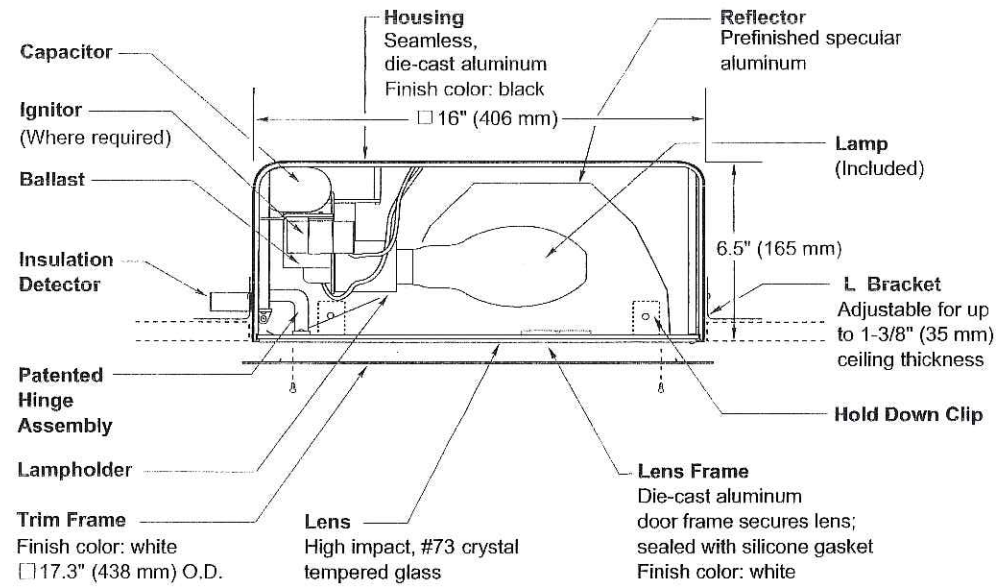
www.ruudlighting.com

12/11/03

RECESSED MOUNT

# 16" (406 mm) RECESSED CANOPY LIGHT

RCO-16  
SERIES



Notes

SPEC #	WATTAGE	CATALOG #
<b>PULSE START METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	200W PSMH	RC0620-(a)(h)
<b>METAL HALIDE</b>		
<input type="checkbox"/> SPEC #	175W MH	RC0417-(a)(h)
<b>HIGH PRESSURE SODIUM</b>		
<input type="checkbox"/> SPEC #	150W HPS	RC0515-(a)(h)

Specify (a) Voltage & (h) Options.

(a) VOLTAGE SUFFIX KEY
1 120V (Standard)
2 277V
3 208V
4 240V
6 347V (Canada Only)

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

(b) OPTIONS (factory-installed)
-(a)F Fusing
Q Quartz Standby (includes 100W quartz lamp)

Specify (a) Single Voltage — See Voltage Suffix Key

### GENERAL DESCRIPTION

Recessed Canopy luminaire for HID lamp, totally enclosed. Reflector is specular aluminum. Housing is seamless, die-cast aluminum. Includes four adjustable steel "L" brackets for mounting to various ceiling thicknesses and four hold down clips to prevent fixture movement during trim installation. Rough-in 16.3" (413 mm) sq. hole required for fixture installation. Two 1/2" (13 mm) conduit openings are provided for wire supply. A maximum of 4 No. 12 AWG (2 in/2 out) through branch circuit conductors suitable for at least 150°C allowed on fixtures. Fixtures are provided with a UL listed insulation detector, which will deactivate fixture if inadvertently covered with insulation. Lens assembly consists of rigid aluminum frame and high-impact, #73 crystal tempered glass.

### ELECTRICAL

Fixture includes clear, mogul-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Fixtures require a minimum 150°C temperature feed wire. Lamp ignitor included where required. Ballast assemblies are high-power factor and use the following circuit types:

- Hx — High Reactance  
150W HPS
- CWA — Constant Wattage Autotransformer  
200W PSMH; 175W MH

### LABELS

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

### FINISH

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

### PATENT

US 4,689,729

### ACCESSORIES

LPF-16 2 x 2 Lay-in Panel



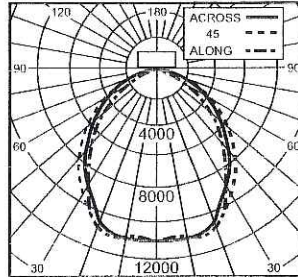
**RCO-16  
SERIES**

**RECESSED MOUNT**

**16" (406 mm) RECESSED CANOPY LIGHT**

**Metal Halide**

Lamp: 400 Watt (Clear) - 36,000 lumens  
 Lens: #73 Crystal Tempered Glass  
 Test Distance: 26' (8 m)  
 Certified Test Report: Lighting Sciences Inc. No. LSI 5767



Efficiency = 78.0%; SC = 1.2; S/MH = 1.2

**Candlepower Summary**

Angle	Along	22.5	45	67.5	Across	LMS
0	10952	10952	10952	10952	10952	
5	10885	10907	10953	11005	11041	1047
10	10938	10973	11012	11019	11070	
15	11132	11163	11095	10995	10956	3111
20	10845	10828	10814	10718	10393	
25	10002	9874	10028	10026	9568	4597
30	8883	8915	9380	9336	8837	
35	7846	8096	8700	8734	8243	5268
40	6858	7274	7971	8096	7509	
45	5787	6349	7194	7304	6645	5214
50	4595	5268	6305	6330	5742	
55	3470	4170	5314	5292	4892	4261
60	2540	3162	4295	4258	4026	
65	1826	2315	3280	3270	3208	2851
70	1262	1621	2342	2384	2425	
75	797	1017	1494	1557	1628	1422
80	407	513	772	818	887	
85	117	144	216	241	268	296
90	0	0	0	0	0	

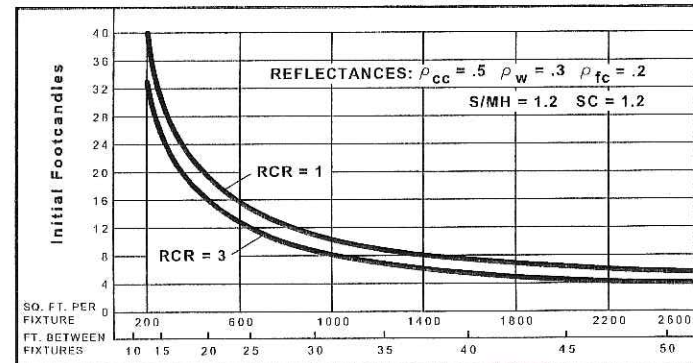
**Zonal Lumens and Percentages**

Zone	Lumens	% Lamp	% Fixture
0-30	8754	24.32	31.19
0-40	14021	38.95	49.96
0-60	23496	65.27	83.72
0-90	28063	77.96	100.00
40-90	14042	39.01	50.04
60-90	4567	12.69	16.28
90-180	0	0.00	0.00
0-180	28063	77.96	100.00

**Coefficients of Utilization**

Effective Floor Cavity Reflectance = 0.20

CC	80				70				50				30				10			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
WALL																				
RCR																				
1	0.86	0.83	0.80	0.77	0.84	0.81	0.79	0.76	0.78	0.76	0.74	0.75	0.73	0.72	0.72	0.71	0.69			
2	0.79	0.74	0.70	0.66	0.78	0.73	0.68	0.65	0.70	0.66	0.63	0.67	0.65	0.62	0.65	0.63	0.61			
3	0.73	0.66	0.60	0.56	0.71	0.65	0.60	0.56	0.63	0.58	0.55	0.61	0.57	0.54	0.59	0.56	0.53			
4	0.68	0.60	0.54	0.49	0.66	0.59	0.53	0.49	0.57	0.52	0.48	0.55	0.51	0.47	0.53	0.50	0.47			
5	0.63	0.54	0.47	0.43	0.61	0.53	0.47	0.42	0.51	0.46	0.42	0.50	0.45	0.42	0.48	0.44	0.41			
6	0.58	0.48	0.42	0.37	0.56	0.48	0.42	0.37	0.46	0.41	0.37	0.45	0.40	0.37	0.44	0.39	0.36			
7	0.53	0.43	0.37	0.33	0.52	0.43	0.37	0.32	0.42	0.36	0.32	0.41	0.36	0.32	0.40	0.35	0.32			
8	0.50	0.40	0.33	0.29	0.48	0.39	0.33	0.29	0.38	0.33	0.29	0.37	0.32	0.28	0.36	0.32	0.28			
9	0.46	0.36	0.30	0.26	0.45	0.36	0.30	0.26	0.35	0.29	0.25	0.34	0.29	0.25	0.33	0.28	0.25			
10	0.43	0.33	0.27	0.23	0.42	0.32	0.27	0.23	0.32	0.26	0.23	0.31	0.26	0.23	0.30	0.26	0.22			



QUICK CALCULATOR: Use this chart to determine the number and spacing of Ruud 16" (406 mm) Canopy Lights with 400W clear MH lamp. Numbers and spacing for other wattages may be determined as follows: 175W multiply by 0.39; 250W multiply by 0.57.



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12/11/03

# Wall Forms - Round

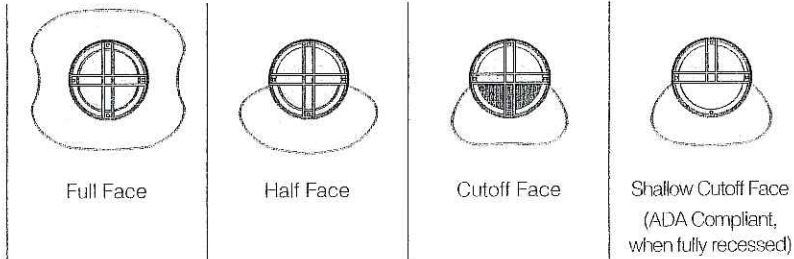
## Ordering Information

WF31H/P / 70MH/WH-P

### Fixture:

Cat. No. designates **WF** fixture.

To prevent water damage, inverted fixtures must be protected from direct water spray or rain by a canopy or overhang.







Full Face      Half Face      Cutoff Face      Shallow Cutoff Face  
(ADA Compliant, when fully recessed)

<b>Surface Mounted</b>	Cat. No.:	<b>WF20</b>	<b>WF21</b>	<b>WF22</b>	<b>n/a</b>
<b>Recessed Concrete</b>	Cat. No.:	<b>WF30C</b>	<b>WF31C</b>	<b>WF32C</b>	<b>WF33C</b>
<b>Recessed Hollow Wall</b>	Cat. No.:	<b>WF30H</b>	<b>WF31H</b>	<b>WF32H</b>	<b>WF33H</b>

### Lens:

Available for Full Face and Half Face Models only.

Cat. No.:			<b>n/a</b>	<b>n/a</b>
	<b>P</b> Prismed	<b>P</b> Prismed	<b>n/a</b> Flat Tempered Glass Only	<b>n/a</b> Flat Tempered Glass Only
Cat. No.:				
	<b>S</b> Smooth	<b>S</b> Smooth		

### Electrical Module:

**HPS** = High Pressure Sodium

**MH** = Metal Halide

**PL** = Compact Fluorescent

See lamp and electrical data on page 28 for ballast types and characteristics.

		<b>50HPS120</b>	<b>70HPS120</b>
		<b>50HPS277</b>	<b>70HPS277</b>
		<b>50HPS347</b>	<b>70HPS347</b>
		<b>50MH120</b>	<b>70MH120</b>
		<b>50MH277</b>	<b>70MH277</b>
		<b>50MH347</b>	<b>70MH347</b>
		<b>42PL<sup>1</sup></b>	
		<sup>1</sup> 42PL operates 26, 32 and 42 watt lamps at 120 thru 277 volts (50-60 Hz).	
Lamp Watts	Lamp Type	Line Volts	
<b>70</b>	<b>HPS</b>	<b>277</b>	

### Finish:

Super TGIC powder coat paint over Titanated Zirconium conversion coating.

Color:	Black	Dark Bronze	Light Gray	Platinum Silver	White	Custom Colors
Cat. No.:	<b>BL-P</b>	<b>DB-P</b>	<b>LG-P</b>	<b>PS-P</b>	<b>WH-P</b>	<b>CC-P</b> Consult representative for custom colors.

### Optional Single Fusing:

Cat. No.:	<b>SF</b>	Single fusing for 120V, 277V, and 347V primary.
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### Optional Quartz Standby:

Available for Full Face and Half Face Models only.

Cat. No.:	<b>QS</b>	Integral electronic device energizes a T-4 mini-can socket during lamp warm-up and after a power interruption. Socket de-energizes prior to the H.I.D. lamp reaching full brightness. T-4 mini-can Halogen lamp by others; 100 watt maximum.
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PROPOSED FACILITY FOR:

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ANIMART

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MADISON, WISCONSIN

**TJK** TJK Design Build, Inc.  
634 West Main Street  
Madison, WI 53703  
**DESIGN BUILD** 608-257-1090 FAX 608-257-1092

INDEX OF DRAWINGS:

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C-1.1 SITE PLAN  
C-1.2 GRADING AND EROSION CONTROL PLAN  
C-1.3 UTILITY PLAN  
C-1.4 PHOTOMETRICS PLAN  
C-1.5 LANDSCAPING PLAN  
A-1.3 ROOF PLAN  
A-2.1 EXTERIOR ELEVATIONS



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PROPOSED FACILITY FOR:

**ANIMART**

MADISON, WISCONSIN

**MAP**

03.08.06

AERIAL PHOTO  
SCALE: N.T.S.



**PARKING LOT PLAN SITE INFORMATION BLOCK**

SITE ADDRESS: NA  
 SITE ACRES (TOTAL): 2.61 ACRES  
 NUMBER OF BUILDINGS: 1  
 BUILDING HEIGHT: 22'-0"  
 DILAR TYPE OF CONSTRUCTION (NEW STRUCTURES OR ADDITIONS):  
 TYPE: 22 BUSINESS

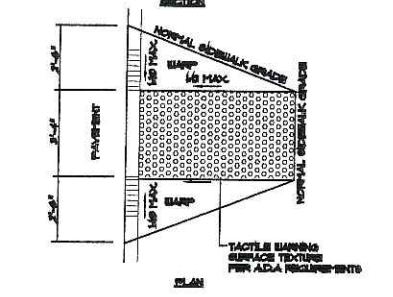
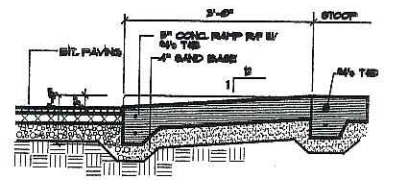
TOTAL SQUARE FOOTAGE OF BUILDING: 80,000  
 USE OF PROPERTY: RETAIL (MULTI-TENANT)  
 GROSS SQUARE FEET OF OFFICE: NA  
 GROSS SQUARE FEET OF RETAIL AREA: 80,000  
 NUMBER OF EMPLOYEES IN MANUFACTURE: NA  
 NUMBER OF EMPLOYEES ON PRODUCTION AREA: NA  
 CAPACITY OF RESTAURANT / PLACE OF ASSEMBLY: NA  
 NUMBER OF BICYCLE STALLS SHOWN: 20  
 TYPE OF FOUNDATION: POURED CONCRETE  
 NUMBER OF PARKING STALLS (TOTAL SITE):

SMALL	0
LARGE	100
ACCESSIBLE (TOTAL)	6
TOTAL	100

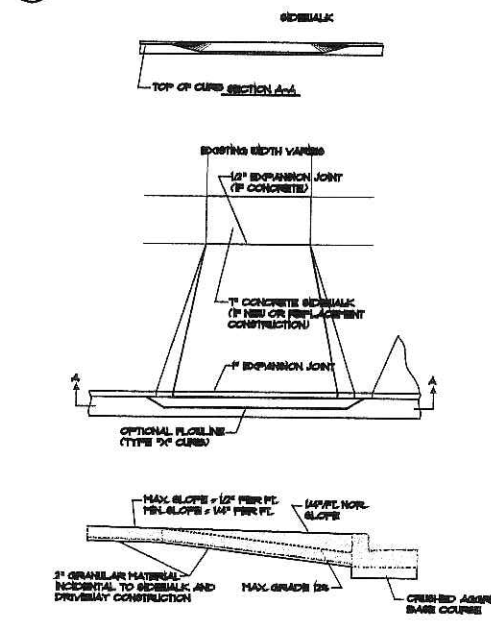
NUMBER OF TREES SHOWN: SEE LANDSCAPE PLAN

**SITE INFORMATION**

FLOOR AREA RATIO: 2.86  
 IMPERVIOUS SURFACE RATIO: 7.66  
 ZONING: RS  
 SITE ACZ: 16,215 SQ FT - 2.61 ACRES  
 BUILDING SIZE: 25,100 SQ FT (FOOTPRINT)  
 SIDEWALKS AND DRIVE: 16,885 SQ FT  
 PARKING STALLS: 100  
 REQUIRED (1,000 SQ FT): 100  
 SHOW:



2 TYP CURB RAMP DETAIL  
C-11 SCALE: N.T.S.

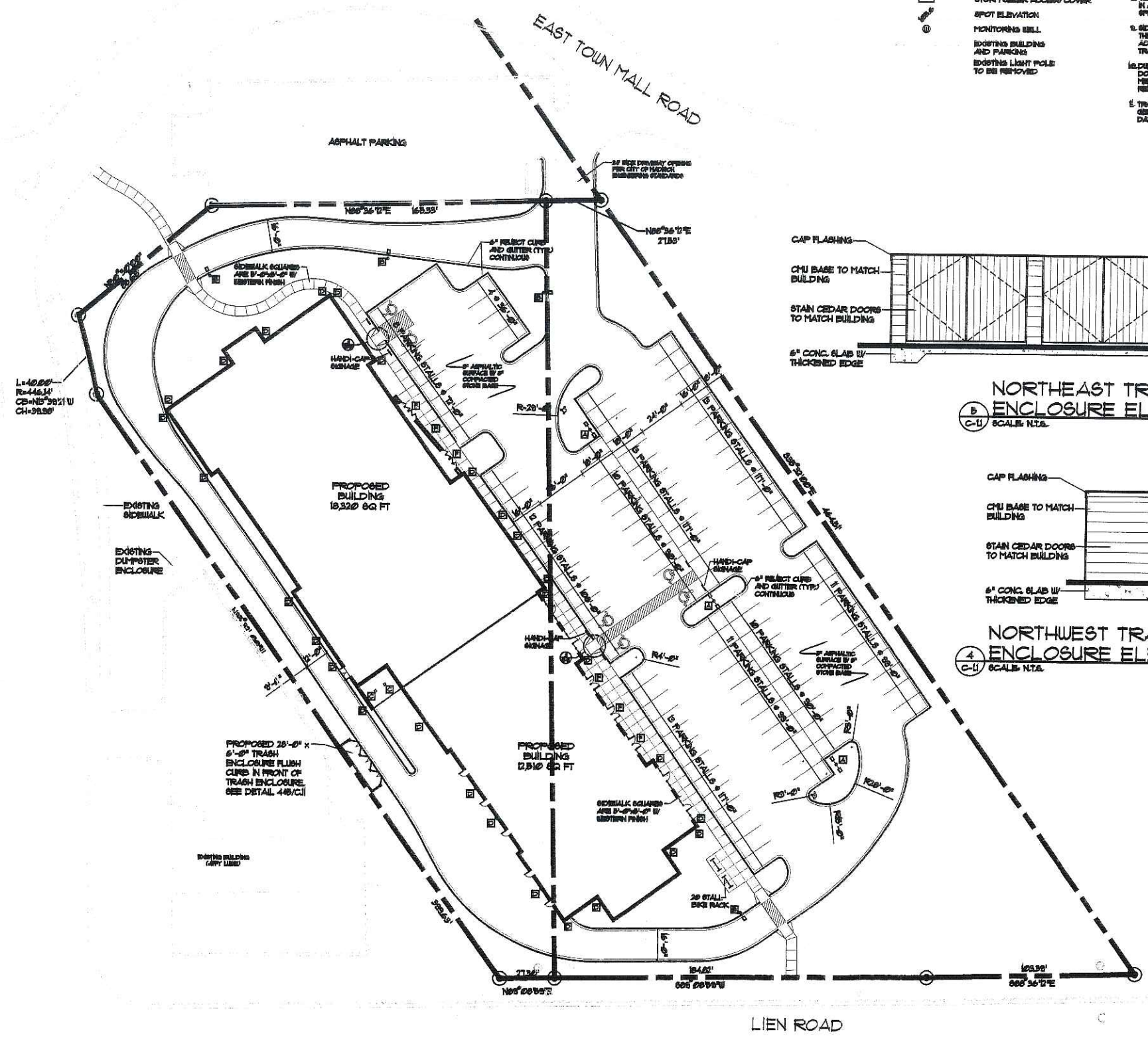


3 COMMERCIAL DRIVEWAY DETAIL  
C-11 SCALE: N.T.S.

- LEGEND:**
- PROPERTY CORNER
  - PROPERTY LINE
  - SANITARY SEWER
  - STORM SEWER
  - WATER MAIN
  - FIRE HYDRANT
  - UTILITY POLE
  - UTILITY POLE W/ LIGHT
  - MANHOLE
  - WATER VALVE
  - CURB INLET
  - STORM SEWER ACCESS COVER
  - SPOT ELEVATION
  - MONITORING WELL
  - EXISTING BUILDING AND PARKING
  - EXISTING LIGHT POLE TO BE REMOVED

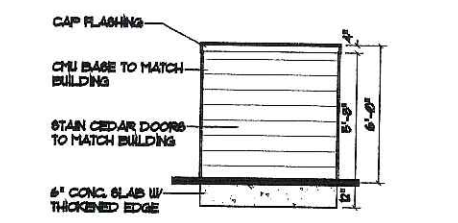
- GENERAL NOTES:**
- ALL PAINT STRIPING SHALL BE 6" WIDE, YELLOW.
  - ALL DIMENSIONS ARE FROM FACE OF CONCRETE WALL, FACE OF CURB, OR CENTER OF PROPERTY LINE.
  - NO CURB CUTS AND RUFFS PER ADA SEC. 411 MAX. SLOPE TO BE 1% MAX. WIDTH TO BE 6" MAX. FLARE SIDES 1" BACK SEE WITH MAX. SLOPE OF 1% BEYOND THIS SURFACE FULL WIDTH AND DEPTH OF RUFF.
  - ENTHUSIASM PAVING IS 3" SURFACE COURSE ON 6" COMPACTED STONE BASE.
  - ALL EXTERIOR CONCRETE SIDEWALKS TO BE 6" SLAB THK WITH 1/2" EXPANSION JOINTS BY TRUCK W/ SAW REINFORCES ON 6" COMPACTED FILL.
  - FIRE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE DEPARTMENT.
  - WATER SERVICE MATERIAL SHALL BE CL 150 DL.
  - SEWER AND WATER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION.
  - SEWER AND DRIVEWAY APRON CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERAGE DEPARTMENT OF TRANSPORTATION.
  - DURING CONSTRUCTION REMOVE CASTING GRATE ON ALL DOWNSTREAM STREET INTO INITIAL WATER PERMISSIBLE RESERVE FOR SILT INSULATION PROTECTION AND REINSTALL CASTING GRATE.
  - TRACKED MATERIAL SHALL BE COLLECTED BY THE GENERAL CONTRACTOR AT THE END OF EACH WORKING DAY OR AS REQUIRED BY THE CITY OF MADISON.

- LIGHT FIXTURE KEY:**
- 1 PLOT DEL. HEAD BETA LIGHTING, 10000-000-1, 3' POLE ON 2'-0" CONC. BASE
  - 2 DRIVEABLE SINGLE HEAD BETA LIGHTING, 10000-000-1, 1' POLE ON 2'-0" CONC. BASE
  - 3 CANYON 2' LOADING DOCK BETA LIGHTING, 10000-000-1, 3' POLE ON 2'-0" CONC. BASE
  - 4 4'X4' LIGHTING, 10000-000-1, MOUNTED 6'-0" ABE.
  - 5 1'X1' LIGHTING, 10000-000-1, MOUNTED 6'-0" FROM GRADE, 1'X1' WITH MODEL # 10000



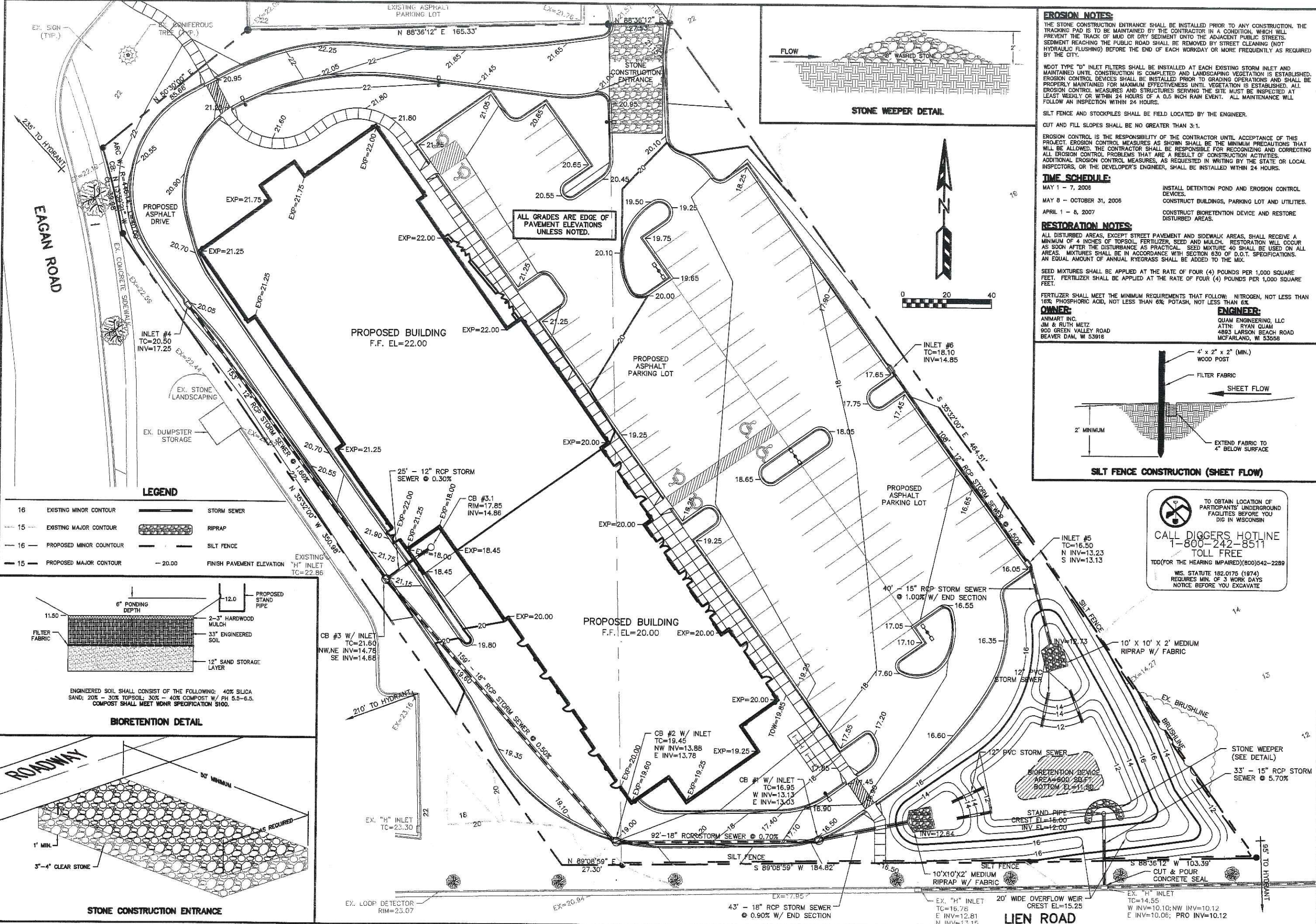
1 PROPOSED SITE PLAN  
C-11 SCALE: N.T.S.

NORTHEAST TRASH ENCLOSURE ELEVATION  
C-11 SCALE: N.T.S.



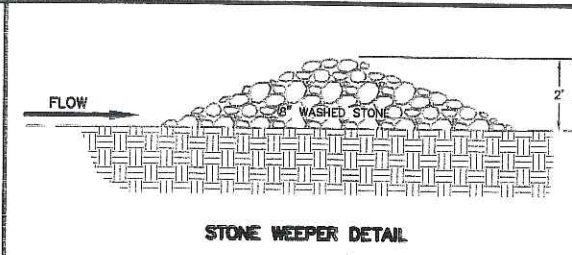
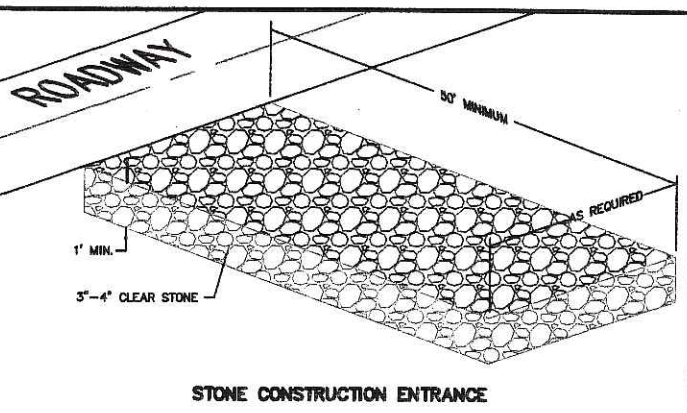
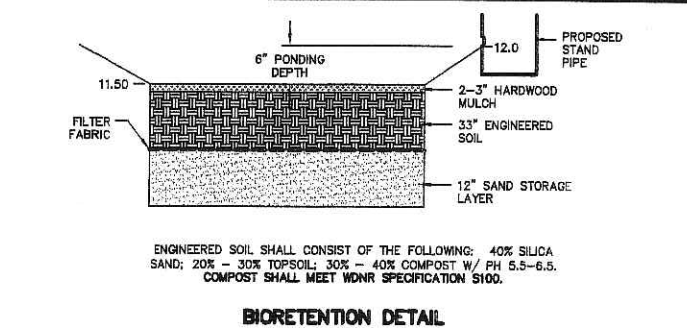
NORTHWEST TRASH ENCLOSURE ELEVATION  
C-11 SCALE: N.T.S.

TO OBTAIN LOCATION OF PROPOSED CONSTRUCTION AND TO BE CONSIDERED FOR THE PROJECT, CALL DESIGN NOTING (608) 257-1090. ALL FEES AND CHARGES MUST BE PAID TO THE DESIGNER PRIOR TO ANY CONSTRUCTION.



**LEGEND**

16	EXISTING MINOR CONTOUR	—	STORM SEWER
15	EXISTING MAJOR CONTOUR	—	RIPRAP
16	PROPOSED MINOR CONTOUR	—	SILT FENCE
15	PROPOSED MAJOR CONTOUR	—	FINISH PAVEMENT ELEVATION
		20.00	



**EROSION NOTES:**  
 THE STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. THE TRACKING PAD IS TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACK OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY OR MORE FREQUENTLY AS REQUIRED BY THE CITY.

WDOT TYPE "D" INLET FILTERS SHALL BE INSTALLED AT EACH EXISTING STORM INLET AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND LANDSCAPING VEGETATION IS ESTABLISHED. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.

SILT FENCE AND STOCKPILES SHALL BE FIELD LOCATED BY THE ENGINEER.  
 CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.

EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE A RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.

**TIME SCHEDULE:**  
 MAY 1 - 7, 2006 INSTALL DETENTION POND AND EROSION CONTROL DEVICES.  
 MAY 8 - OCTOBER 31, 2006 CONSTRUCT BUILDINGS, PARKING LOT AND UTILITIES.  
 APRIL 1 - 8, 2007 CONSTRUCT BIORETENTION DEVICE AND RESTORE DISTURBED AREAS.

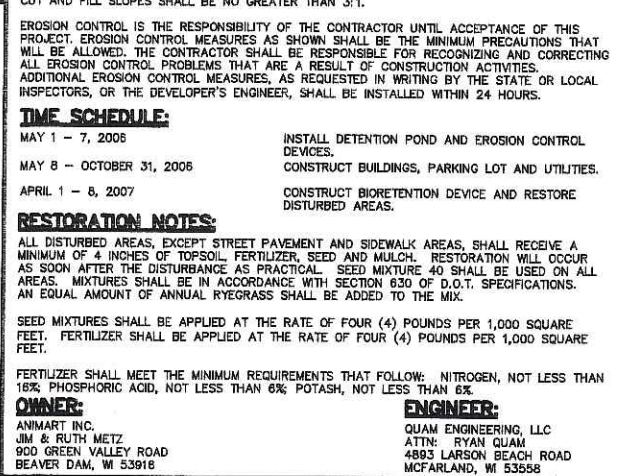
**RESTORATION NOTES:**  
 ALL DISTURBED AREAS, EXCEPT STREET PAVEMENT AND SIDEWALK AREAS, SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL, FERTILIZER, SEED AND MULCH. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. SEED MIXTURE 40 SHALL BE USED ON ALL AREAS. MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 630 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYEGRASS SHALL BE ADDED TO THE MIX.

SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET.

FERTILIZER SHALL MEET THE MINIMUM REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 6%; POTASH, NOT LESS THAN 6%.

**OWNER:**  
 ANIMART INC.  
 JIM & RUTH METZ  
 900 GREEN VALLEY ROAD  
 BEAVER DAM, WI 53016

**ENGINEER:**  
 QUAM ENGINEERING, LLC  
 ATTN: RYAN QUAM  
 4893 LARSON BEACH ROAD  
 MCFARLAND, WI 53558



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE**  
 1-800-242-8511  
 TOLL FREE  
 TDD (FOR THE HEARING IMPAIRED) (800) 542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

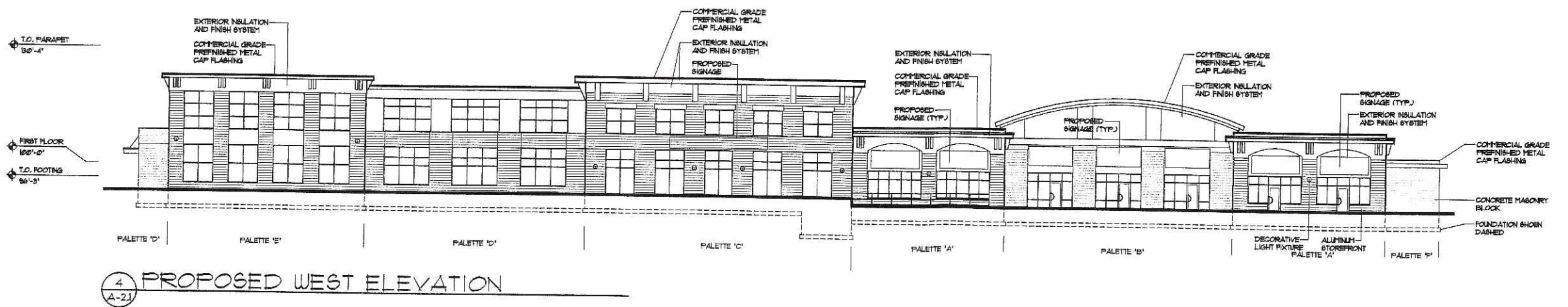
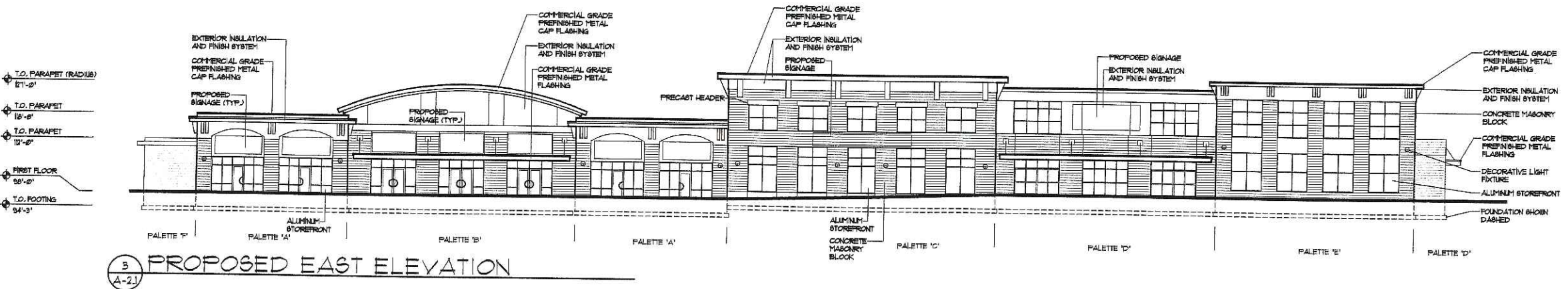
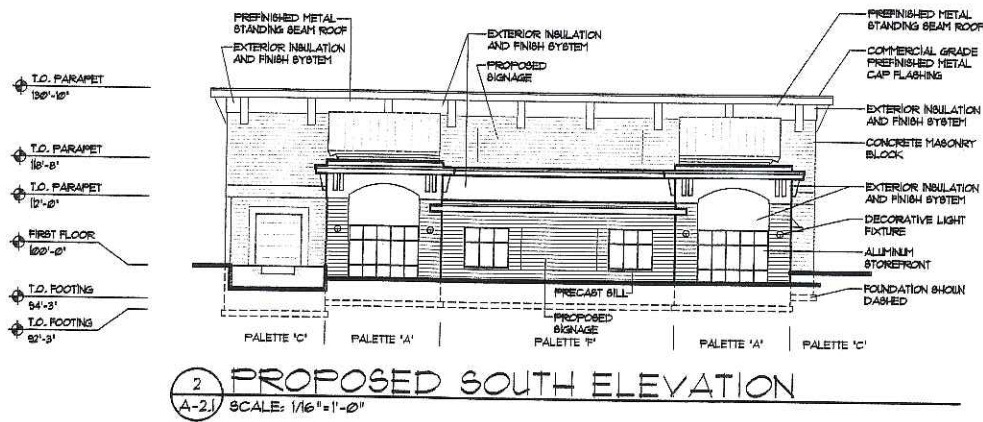


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 FAX 608-251-1092

**QUAM ENGINEERING, LLC**  
 Residential and Commercial Site Design Consultants

4893 Larson Beach Road, McFarland, Wisconsin 53558  
 Phone (608) 838-7750; Fax (608) 838-7752

**PROPOSED FACILITY FOR ANIMART**  
 SHEET: GRADING AND EROSION CONTROL  
 MADISON, WISCONSIN



**MATERIAL LIST**

PALETTE 'A'		PALETTE 'D'	
CHU BASE	TRENDWYTH INDUSTRIES, TRENDSTONE, 'LIGHT KARBELL,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	CHU FIELD	TRENDWYTH INDUSTRIES, TRENDSTONE, 'BRICK RED,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY
CHU FIELD	TRENDWYTH INDUSTRIES, TRENDSTONE, 'LIGHT BROWN,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	CHU ACCENT	TRENDWYTH INDUSTRIES, TRENDSTONE, 'SPICE,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY
EPS	FAREX, #244, 'KHAKI,' BURL FINE FINISH	EPS	FAREX, #244, 'KHAKI'
CAP FLASHING	ULTRA-CLAD, 'SILVER'	BALL FLASHING	ULTRA-CLAD, 'BANDSTONE'
ALUM. SFRONT/GLAZING	KAUKEER, 'CLEAR ANODIZED,' WITH INSULATED LOW-E-GLASS	ALUM. SFRONT/GLAZING	KAUKEER, 'CLEAR ANODIZED,' WITH INSULATED LOW-E-GLASS
CANOPY FLASHING	ULTRA-CLAD, 'SILVER'	CANOPY FLASHING	ULTRA-CLAD, 'HARTFORD GREEN'
PALETTE 'B'		PALETTE 'E'	
BASE	TRENDWYTH INDUSTRIES, TRENDSTONE, 'GRANITE GRAY,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	CHU FIELD	TRENDWYTH INDUSTRIES, TRENDSTONE, 'LIGHT BROWN,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY
EPS	FAREX, #244, 'MOSS'	EPS FIELD	FAREX, #244, 'KHAKI'
CANOPY FLASHING/STANDING BEAM	ULTRA-CLAD, 'AGED COPPER'	EPS CAP	FAREX, #244, 'MOSS'
ALUM. SFRONT/GLAZING	KAUKEER, 'LIGHT BRONZE,' WITH INSULATED LOW-E-GLASS, SOLEX GREEN	CAP FLASHING	ULTRA-CLAD, 'HARTFORD GREEN'
PALETTE 'C'		ALUM. SFRONT/GLAZING	KAUKEER, 'HARTFORD GREEN' WITH INSULATED LOW-E, SOLEX GREEN
CHU BASE	TRENDWYTH INDUSTRIES, TRENDSTONE, 'ADOBE,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	PALETTE 'F'	
CHU ACCENT	TRENDWYTH INDUSTRIES, TRENDSTONE, 'SPICE,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	CHU BASE	TRENDWYTH INDUSTRIES, TRENDSTONE, 'LIGHT BROWN,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY
CHU FIELD	TRENDWYTH INDUSTRIES, TRENDSTONE, 'AITEC TAN,' 6" RETURNS SPLIT-FACE, COLORED MORTAR TO MATCH ADJACENT MASONRY	PRECAST BELL	EDWARDS CAST STONE, 95 TAN
PRECAST BELLS	EDWARDS CAST STONE, 95 TAN	EPS	FAREX, #244, 'KHAKI'
EPS	FAREX, #244, 'KHAKI'	CANOPY FLASHING	ULTRA-CLAD, 'SILVER'
CAP FLASHING	ULTRA-CLAD, 'HARTFORD GREEN'	ALUM. SFRONT/GLAZING	KAUKEER, 'CLEAR ANODIZED,' WITH INSULATED LOW-E-GLASS
ALUM. SFRONT/GLAZING	KAUKEER, 'HARTFORD GREEN' WITH INSULATED LOW-E-GLASS, SOLEX GREEN		