

APPLICATION FOR  
URBAN DESIGN COMMISSION  
REVIEW AND APPROVAL

AGENDA ITEM # \_\_\_\_\_

Project # \_\_\_\_\_

02778

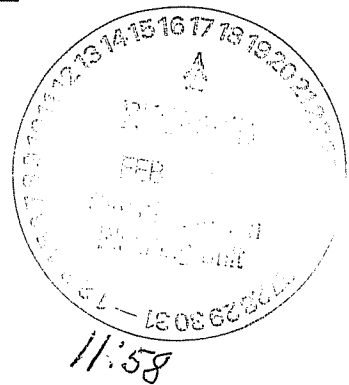
DATE SUBMITTED: <u>2-17-06</u>	<b>Action Requested</b>
UDC MEETING DATE: <u>3-8-06</u>	<input type="checkbox"/> Informational Presentation
	<input type="checkbox"/> Initial Approval and/or Recommendation
	<input type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 4302 E. Washington Ave. Madison, WI 53704

ALDERMANIC DISTRICT: Dist. 17 - Ald. Santiago Rosas

OWNER/DEVELOPER (Partners and/or Principals) Starbucks Coffee Company ARCHITECT/DESIGNER/OR AGENT: Sarfatty Associates, Ltd.  
550 W. Washington Blvd, Ste. 200 Chicago, IL 60661 3201 Old Glenview Rd, Ste 301 Wilmette, IL 60091

CONTACT PERSON: Joel Lome, Project Manager  
Address: 3201 Old Glenview Rd, Ste. 301 Wilmette, IL 60091  
Phone: 847-920-1100, ext. 41  
Fax: 847-920-1101  
E-mail address: jlome@sarfatty.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)



## Sarfatty Associates, Ltd.

Architects

3201 Old Glenview Road, Suite #301  
Wilmette, Illinois 60091-2999  
847.920.1100 x.41 voice  
847.920.1101 fax  
email: jlome@sarfatty.com

December 28, 2005

RE: Starbucks Coffee  
4302 E. Washington Ave.  
Madison, WI 53704

TO: Plan Commission  
Zoning Department  
City of Madison  
215 Martin Luther King, Jr. Blvd., Room LL100  
Madison, WI 53703

To Whom It May Concern:

The proposed Starbucks Coffee Company Free-standing building is to be located at the northwest corner of Continental Lane & E. Washington Avenue in the north-east region of the City of Madison. Our property has a 50' access easement serving as 'Frontage Road' which runs parallel to East Washington Ave to establishments along the highway providing access to adjacent properties.

The people involved in this are: Sarfatty Associates, Ltd. (architect), IG Consulting (civil engineer & surveyor), New Eden Landscape Architecture (landscape architect) and Michael Achim of Starbucks Coffee Co. (project coordinator).

The project in question consists of commercial tenant improvements to an existing building, will be zoned within a C2 Commercial area, used as a retail sales and services building (use M - Mercantile) and will be of wood frame construction with brick masonry veneer. The building has a gross square footage of 1,925 sq.ft. The property being developed is 15,000 sq. ft.

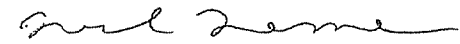
Site amenities include an exterior seasonal seating area, multiple areas for bicycle racks, 14 car parking spaces, one of which will be accessible. The trash enclosure is located on the north-west corner - 18'-7" from the building. The trash enclosure uses the same exterior finishes as the building. The doors to the enclosure are finished with corrugated metal panels painted to match the building. Trash pick up occurs during daytime hours (usually in the afternoon) during the slower business hours.

The capacity for this facility, as determined by the Wisconsin State Building code, is based upon the retail, serving and seating areas. The occupancy of (38) persons includes the employee total of five (5) persons per shift (4 employees & 1 manager). Hours of operation will be between 5.30AM and 10.00PM, seven (7) days per week.

As the architect representing Starbucks Coffee Company we plan to develop the said property into a single story wood frame with masonry veneer building. The building will have two means of entry and a drive-thru window. To achieve this we will demolish the existing structure on the property.

Sincerely,

**SARFATTY ASSOCIATES, LTD.**

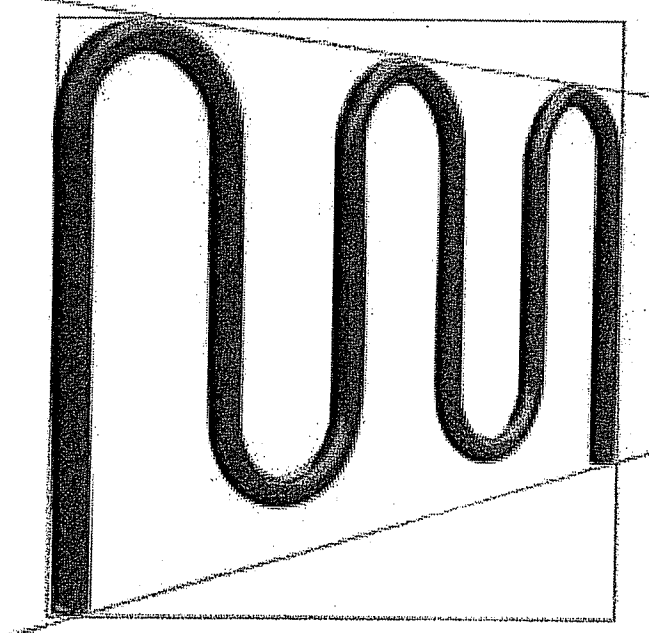


Joel M. Lome  
Project Manager

Ph : 847.920.1100 x.41  
Fax : 847.920.1101  
Email: [jlome@sarfatty.com](mailto:jlome@sarfatty.com)

CC: file

## ROLLING RACK



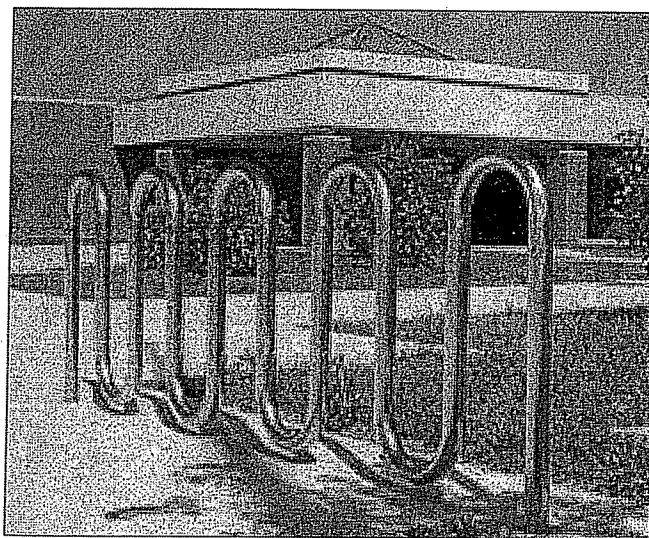
**The Rolling Rack is an attractive single or double sided bicycle rack**

The graceful design and high security of the Rolling Rack has made this type of bike rack a standard for many schools and communities. The Rolling Rack can be used as a single-sided or double-sided bike rack.

The Rolling Rack can be ordered for in-ground or foot mounted installation. This rack uses thick pipe construction and allows for one of the wheels and frame to be secured using a u-style bike lock.

### FEATURES

- Attractive design
- Accommodates double sided parking
- In ground or surface mounted
- Various sizes available
- Easy installation



**DERO**  
BIKE RACK COMPANY

2657 32ND AVENUE S  
MINNEAPOLIS, MN 55406

DERO@DERO.COM WWW.DERO.COM

TEL 888 337 6729  
FAX 612 331 2731



# Rolling Rack - Specifications and Space Use

## Product Name

Dero Rolling Rack  
As manufactured by Dero Bike Racks

## Bikes Parked per Unit:

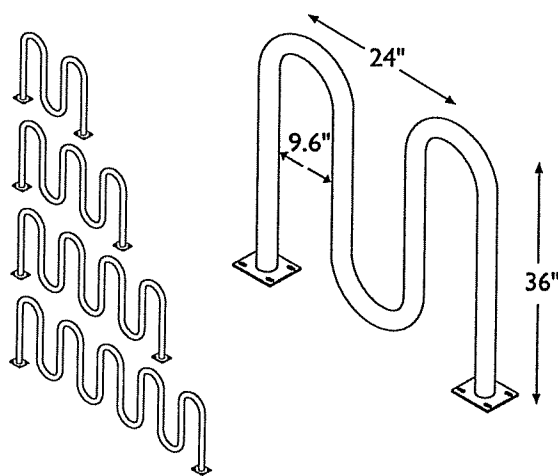
- RR2H: 5 Bikes
- RR3H: 7 Bikes
- RR4H: 9 Bikes
- RR5H: 11 Bikes

RR2H - 38"  
Parks 5 Bikes

RR3H - 63"  
Parks 7 Bikes

RR4H - 87"  
Parks 9 Bikes

RR5H - 111"  
Parks 11 Bikes



## Materials

2.375" OD Schedule 40 Steel Pipe

## Finishes

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

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

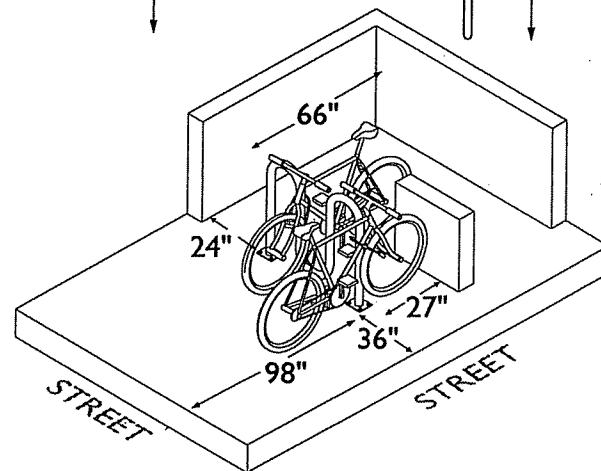
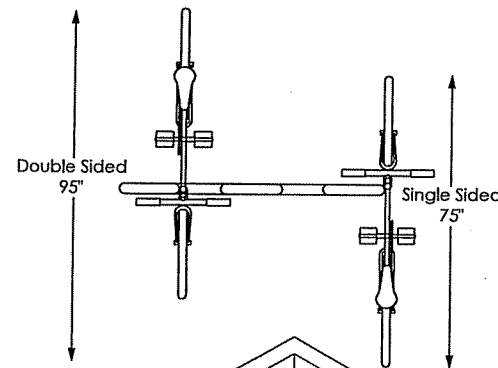
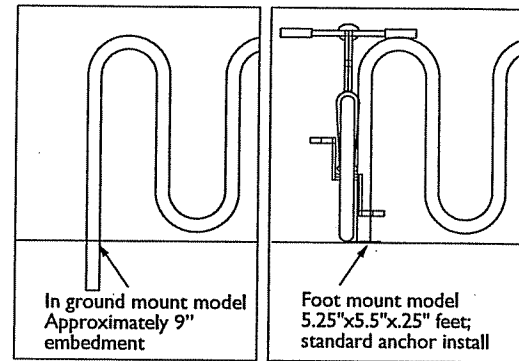
1. Sandblast
2. Iron phosphate pretreatment
3. Epoxy primer electrostatically applied
4. Final thick TGIC polyester powder coat

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

A rubbery PVC Dip is also available

## Installation Method

- In ground mount is embedded into concrete base. Specify in ground mount for this option.
- Foot mount has two 5.5"x5.25" foot plates with 4 anchors per foot. Specify foot mount for this option.
- A freestanding option is also available.



## SETBACKS

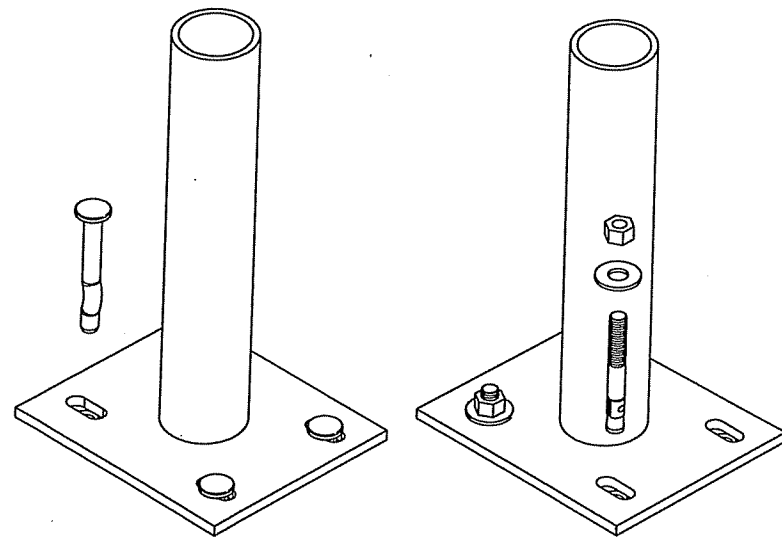
**Wall Setback:** A minimum of 27" should be left between the wall and the long side of the rack. 36" is the recommended setback.

**Street Setback:** For racks set parallel to the street, a 96" setback is recommended. For racks installed perpendicular to the street, 24" is the minimum setback. 36" is recommended.



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# ROLLING RACK - Installation Specifications and Instructions - Foot Mount x



Concrete Spike

Wedge Anchor

## FOOT MOUNT

The foot mount Rolling Rack has two 5.5"x5.25" feet welded to the ends of the rack. Each foot is anchored to the ground with 4 anchors. Standard anchors are included in the cost of the rack. Stainless steel anchoring hardware is also available and should be considered where snow and ice are regular conditions.

### Recommended Base Materials:

Solid concrete is the best base material for installation. Asphalt may not be suitable. To ensure the proper anchors are shipped with your rack, ask your Dero Rack representative which anchor is appropriate for your application.

### Installation:

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

### Tamper Resistant Fasteners

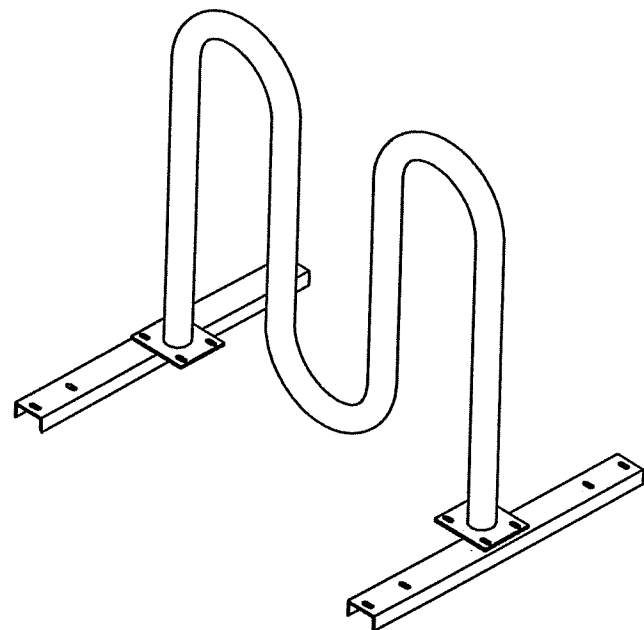
The concrete spike is a permanent anchor. The top of the wedge anchor can also be pounded sideways after installation so that it cannot be removed. Other tamper resistant fasteners are also available for purchase.

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

If you have any questions about installation or other features of the Hoop Rack, please call Dero at 888-DERO-RAX (888-337-6729).

### Tools Needed for Installation

- Tape Measure
- Marker or Pencil
- Masonry Drill Bit
- Drill (Hammer drill recommended)
- Hammer
- Wrench
- Level



### Freestanding rail mount also available

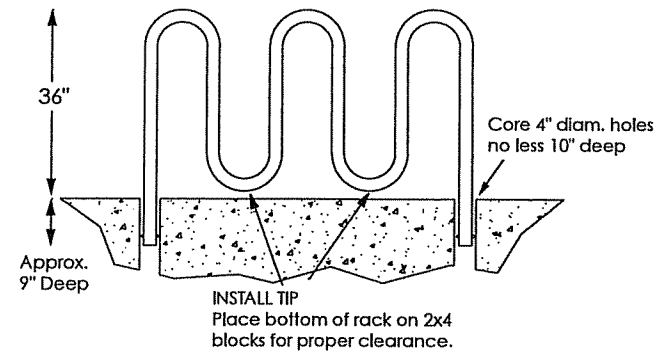
\* Note: Though racks may be painted, the rails will remain with only a galvanized finish

# ROLLING RACK - In Ground Mount Installation Specifications and Instructions

## IN GROUND MOUNT

### Installing into Existing Sidewalk

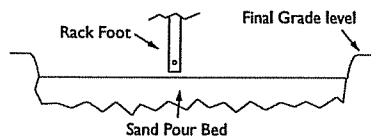
Core holes no less than 3" diameter (4" recommended) and no less than 6" deep into sidewalk. Fill holes with non-shrink epoxy grout. Place Rolling Rack into hole filled with epoxy. Make sure the rack is level and held in place until the grout has set.



### Installing Into a New Sidewalk:

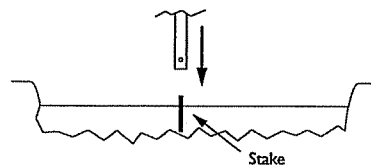
#### Step 1

Use rack to measure exact location in pour bed.



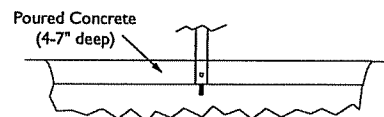
#### Step 2

Pound stake into pour bed where end of rack will sit. Slide rack end onto stake. You may need to dig the end of rack into the sand to make sure rack sits at least 35" above final grade level. The stake keeps the rack straight while the concrete is being poured.



#### Step 3

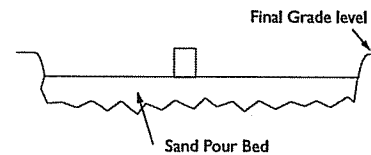
Make sure rack is level and true, pour concrete around rack. Make sure rack is not touched until concrete has completely set.



### Sleeve Method:

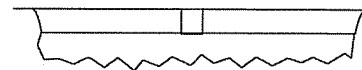
#### Step 1

Place corrosion resistant sleeve (min. 3" inside diameter) in sand pour bed in exact location where the rack will be installed. Make sure top of sleeve is at same level as desired finished concrete surface. Fill sleeve with sand to keep it in place and prevent it from filling with concrete.



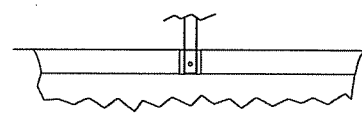
#### Step 2

Pour concrete and allow to cure

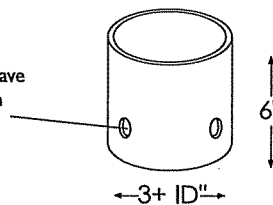


#### Step 3

After appropriate cure time, dig out sand from sleeves and pour in non-shrink epoxy grout. Insert racks and make sure they are level and at the appropriate height. Allow grout to set.



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

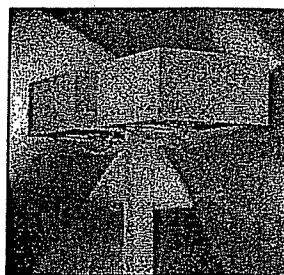


PROJECT Starbucks @ Mundelein

FIXTURE TYPE B / B-ALT

Design SL-16/21/27

CATALOG NUMBER \_\_\_\_\_



**DISTRIBUTIONS**

TYPE S Square (Horiz. Lamp)      TYPE 3 Asymmetrical (Horiz. Lamp)  
 TYPE VS Square (Vertical Lamp)      TYPE F Forward Throw (Horiz. Lamp)  
 TYPE VR Rectangular (Vert. Lamp)      TYPE V2 Asymmetrical (Vert. Lamp)  
 TYPE 1 Asymmetrical (Horiz. Lamp)      TYPE V Symmetrical (Vert. Lamp)

ORDERING EXAMPLE SL-21-VS-HPS-400-CL-DB-120-CWB-FD-CL80 x 360

DESIGN	DISTRIBUTION	HPS	MH/MHP	LAMP	LENS
SL-16	S	70/100/150	70/100/150/175/200*	ED-17	FL
	1	70/100/150	70/100/150/175/200*	ED-17	FL
	3	70/100/150	70/100/150/175/200*	ED-17	FL
	F	70/100/150	70/100/150/175/200*	ED-17	FL
	VS	70/100/150	70/100/150/175/200*	ED-17	FL
SL-21	VS	250/400		ED-18	CL
	VS		250/400/450*	BT-28/BT-37	CL
	VS		400 Flat Lens	BT-28	FL
	V2	250/400		ED-18	CL
	V2		250/400/450*	BT-28/BT-37	CL
	S	250/400		ED-18	FL
	S		250/400	BT-28/BT-37	FL
	1	250/400		ED-18	FL
	1		250/400	BT-28/BT-37	FL
	3	250/400		ED-18	FL
	3		250/400	BT-28/BT-37	FL
	F	250/400		ED-18	FL
	F		250/400	BT-28/BT-37	FL
SL-27	V or VS	400		ED-18	CL or FL
	V or VS		400/450*	BT-37	CL or FL
	V or VS	750		BT-37	CL or FL
	V or VS		1000	BT-56	CL
	V or VS		1000 Flat Lens	BT-37	FL
	V or VS	1000 Flat Lens		BT-37	FL
	V or VS	1000		E-25	CL
	VR		1000	BT-56	CL
	VR		1000 Flat Lens	BT-37	FL
	VR	1000		E-25	CL
	F	1000		E-25	FL
F		1000	BT-56	FL	

\* Available only in Pulse Start 70,100,150,200,450 MHP = Pulse Start

**REQUIRED CHOICES**

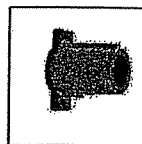
FINISH	VOLTAGES	MOUNTINGS
BK Black	120	SA Standard Arm (2.5")
BW White	208	LA Long Arm (13.5")
DB Bronze	240	CWB Cast Wall Bracket
SL Silver	277	ESF External Slip Fitter
FG Gray	347	(for 2-3/8" O.D. Pipe)
CC Custom Specify Color	480	

**OPTIONAL CHOICES**

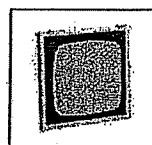
ELECTRICAL OPTIONS	OPTICAL OPTIONS	LIGHT TRESPASS OPTIONS
FD Single Fusing 120V/277V	LX Vandal Resistant Lens (SL-21 & SL-16 only)	CL80x360 Internal 80° Vert. x 360° Horiz. Lens Shielding
FDD Double Fusing 480V	CL Convex glass for SL-21 only (Standard - acrylic)	CL60x135 Internal 60° Vert. x 135° Horiz. Lens Shielding
FDFD Double Fusing 208V/240V		HSS House Side Shield (75° Standard) (external)
FDC Single Fusing 347V		FL Flat clear glass lens (see ordering information for availability)
PCT Photo Cell and Receptacle		



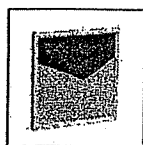
CWB



ESF



CL80x360 - Internal 80° Vert. x 360° Horiz. Lens Shielding



CL60x135 - Internal 60° Vert. x 135° Horiz. Lens Shielding

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*Quality Lighting*

A Division of JJI Lighting Group Inc.



11500 MELROSE AVE. FRANKLIN PARK, IL 60131 - Phone (847) 451-0040 - FAX (847) 451-6768  
 e-mail: quality@mcs.com - www.qualitylighting.com  
 (8/8/03) Specifications subject to change without notice. ©2003 Quality Lighting



**SPECIFICATIONS**

**HOUSING** One piece highly tooled formed aluminum, with integral reinforcements and concealed fasteners and welds. The fixtures are C-UL & UL listed "suitable for wet locations."

**LENS AND LENS FRAME** Clear, heat and impact resistant tempered glass lens, secured in an extruded aluminum door frame. 21" & 27" fixtures with VS, V and VR distribution use square convex lens (unless otherwise noted), all others use square flat lens. Note: Drop acrylic lens (DA) is standard on 21" vertically lamped units.

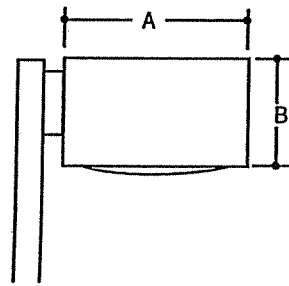
**GASKETING** The lens is fully gasketed to the lens frame with closed cell neoprene. The lens door frame is gasketed to the housing with a dense silicone extruded gasket featuring twin flexible extensions to provide a double seal.

**INSTALLATION** Design SL housings are provided with a cast aluminum 2.5" arm for mounting a single fixture or twin fixtures at 180°. A 13.5" long extruded aluminum arm (LA) is supplied for other mounting configurations.

**REFLECTOR** Reflector systems can be easily rotated in 90° increments or interchanged without the use of tools. Design SL is available with the following reflector systems: 1) Type S (16" & 21") — square distribution; 2) Type VS — square distribution; 3) Type VR (27") — rectangular distribution; 4) Type I (16" & 21") — asymmetrical distribution; 5) Type III — asymmetrical distribution; 6) Type F — forward throw distribution; 7) Type 2 — asymmetrical distribution; 8) Type V — symmetrical distribution.

**BALLAST** All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

**FINISH** Polyester powder coat, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1,000 - hour salt spray endurance testing.



DIMENSIONS			EFFECTIVE PROJECTED AREA (EPA)			
	16"	21"	27"	16"	21"	27"
A	16.00" sq. (406.4 mm)	21.00" sq. (533.4 mm)	27.00" sq. (685.8mm)	1 Fixture 1.36 sq. ft. (.13M <sup>2</sup> )	2.08 sq. ft. (.19M <sup>2</sup> )	3.65 sq. ft. (.35M <sup>2</sup> )
B	9.50" (241.3 mm)	11.00"	15.00"	2 Fixtures 2.72 sq. ft. (.26M <sup>2</sup> )	4.16 sq. ft. (.39M <sup>2</sup> )	7.30 sq. ft. (.70M <sup>2</sup> )
		(279.4 mm)	(381.0 mm)	3 @ 90° 4.00 sq. ft. (.38M <sup>2</sup> )	6.24 sq. ft. (.59M <sup>2</sup> )	11.00 sq. ft. (1.05M <sup>2</sup> )
				3 @ 120° 4.50 sq. ft. (.43M <sup>2</sup> )	6.75 sq. ft. (.64M <sup>2</sup> )	11.50 sq. ft. (1.1M <sup>2</sup> )
				4 @ 90° 4.50 sq. ft. (.43M <sup>2</sup> )	6.75 sq. ft. (.64M <sup>2</sup> )	11.50 sq. ft. (1.1M <sup>2</sup> )
<b>WEIGHT</b>			16"	21"	27"	
			45 lbs. (20.45 kgs)	54 lbs. (24.54 kgs)	77 lbs. (35 kgs)	

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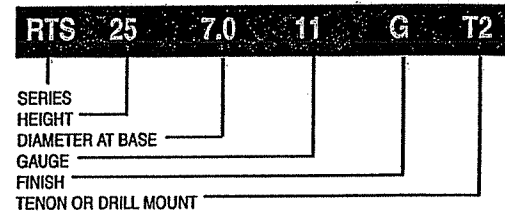
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e-mail: quality@mcs.com - www.qualitylighting.com  
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# Pole Section

## Ordering Information

**ORDERING EXAMPLE: RTS-25-7.0-11-G-T2**  
(Diagram at right describes sequence in this example)

This example illustrates the standard ordering sequence. Each part of the ordering number is chosen from the appropriate section in the chart below. The number in the example designates a round tapered steel series, 25' height, 7.0" outside diameter at base, 11 gauge construction, galvanized finish, 2.375" O. D. tenon.



### ALUMINUM POLES

Prefix	Description
RSA	= Round Straight Aluminum
RTA	= Round Tapered Aluminum
SQSA	= Square Straight Aluminum
SQSAC	= Cruciform
HRTA	= Heritage Series Round Tapered Aluminum

### ALUMINUM FINISHES

Prefix	Description
DBZA	= Dark Bronze Anodize
BKA	= Black Anodize

### TENON/DRILL MOUNT

Prefix	Description
T2	= 2.375" O.D. Tenon
T3	= 2.875" O.D. Tenon
T3.5	= 3.500" O.D. Tenon
T4	= 4.000" O.D. Tenon
DM10	= Drill For (1) Luminaire
DM2180	= Drill For 2 @ 180°
DM2090	= Drill For 2 @ 90°
DM3120	= Drill For 3 @ 120°
DM3090	= Drill For 3 @ 90°
DM4090	= Drill For 4 @ 90°

### STEEL POLES

Prefix	Description
RSS	= Round Straight Steel
RTS	= Round Tapered Steel
SQSS	= Square Straight Steel
SQSTH	= Square Tapered Steel Hinged

### STEEL FINISHES

Prefix	Description
P1	= Prime (Optional)
G	= Galvanize (Optional)
BRZP	= Bronze Paint (Std.)
BLKP	= Black Paint (Std.)
GRYP	= Gray Paint (Std.)
SLVP	= Silver Paint (Optional)
WHTP	= White Paint (Optional)
CCP	= Custom Color Paint (Optional)

Note: Minimum pole top diameter for DM4090 = 3"

Note: Verify anchor bolt size and bolt circle with factory when placing order.

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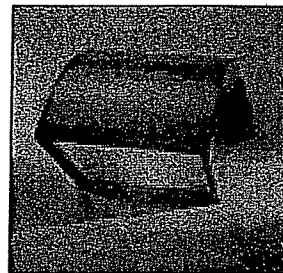


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e-mail: quality@mcs.com - www.qualitylighting.com  
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PROJECT Starbucks @ Mundelein  
 FIXTURE TYPE L-1 / L-1A  
 CATALOG NUMBER \_\_\_\_\_

# Design OLV- 8/12

CUTOFF  
WALL SCONCE



## LIGHT DISTRIBUTIONS (All Cutoff)

OLV-8 F OLV-12 1x1 9°x9°, 3x3, 24°x24°

DESIGN	BEAM SPREAD	LAMP	WATTS	REFLECTOR	LENS
OLV-8	F-CUTOFF FORWARD THROW	MH ED-17 MED.	50,70*	DIFFUSE	PRISMATIC GLASS
OLV-8	F-CUTOFF FORWARD THROW	HPS ED-17 MED.	50,70*	DIFFUSE	PRISMATIC GLASS
OLV-8	F-CUTOFF FORWARD THROW	PLT 4-PIN Gx24q-3	26,32,42	DIFFUSE	PRISMATIC GLASS
OLV-12	N-1x1 9°x9° V-3x3 24°x24°	MH ED-17 MED.	70,100, 150*,175	NARROW SPOT SYMMETRIC SPREAD	CLEAR GLASS
OLV-12	F-CUTOFF FORWARD THROW	MH ED-17 MED.	70,100, 150*,175	ADJUSTABLE ASYMMETRIC 40° RANGE	CLEAR GLASS
OLV-12	N-1x1 9°x9° V-3x3 24°x24°	HPS ED-17 MED.	70,100, 150	NARROW SPOT SYMMETRIC SPREAD	CLEAR GLASS
OLV-12	F FORWARD THROW	HPS ED-17 MED.	70,100, 150	ADJUSTABLE ASYMMETRIC 40° RANGE	CLEAR GLASS

\* Available only in Pulse Start 35,50,70,100,150 MHP = Pulse Start

## REQUIRED CHOICES

FINISH	VOLTAGES
BK Black	120,208,240
CC Custom	277,347

## OPTIONAL CHOICES

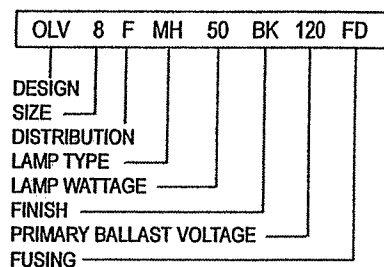
### ELECTRICAL OPTIONS

FD Single Fusing 120V/277V  
 FDFD Double Fusing 208V/240V  
 FDC Single Fusing 347V  
 EMBU Emergency battery - powers 32W,(2)32W or (1)42W CFL

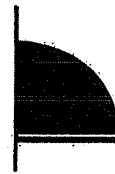
## ORDERING EXAMPLE

OLV-8-F-MH-50-BK-120-FD

(Diagram below describes sequence in this example)



UPLIGHT



DOWNLIGHT

## MOUNTING ARRANGEMENTS

UL & C-UL LISTED FOR WET LOCATIONS  
 AND IP-65 TESTED & APPROVED IN BOTH ARRANGEMENTS

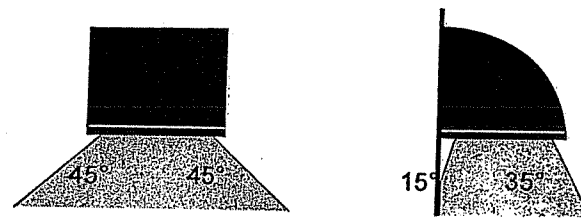
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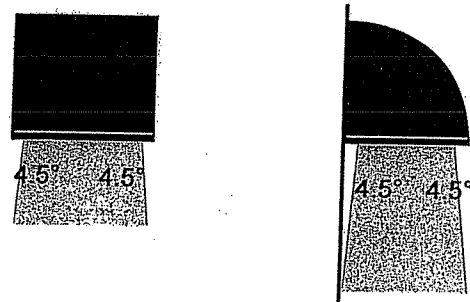
# BEAM CLASSIFICATIONS

OLV-8 HORIZONTAL LAMP  
PRISMATIC GLASS LENS



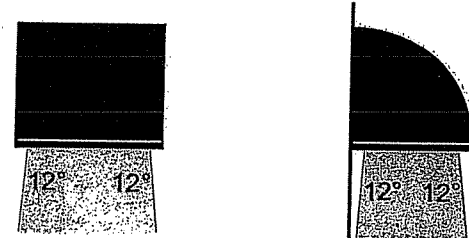
FRONT VIEW      SIDE VIEW  
CUTOFF FORWARD THROW

OLV-12 CLEAR GLASS LENS



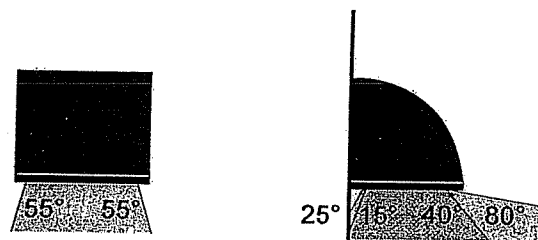
FRONT VIEW      SIDE VIEW  
NARROW SPOT  
VERTICAL LAMP

OLV-12 CLEAR GLASS LENS



FRONT VIEW      SIDE VIEW  
SYMMETRIC SPREAD  
VERTICAL LAMP

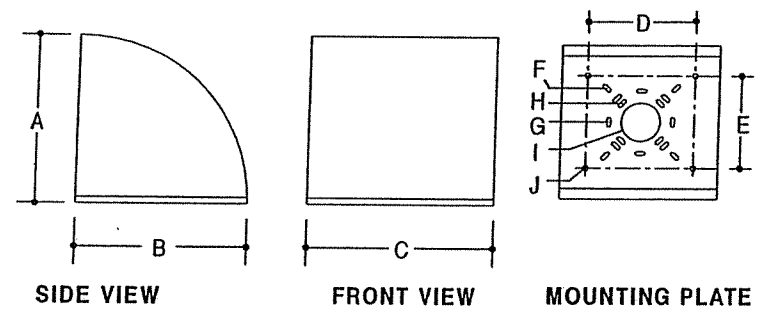
OLV-12 CLEAR GLASS LENS



FRONT VIEW      SIDE VIEW  
FORWARD THROW  
ADJUSTABLE ASYMMETRIC  
HORIZONTAL LAMP

# SPECIFICATIONS

- HOUSING** All wall mounted housings (body and lens frame) shall be constructed of die-cast aluminum alloy. Housings and lens frames shall be designed in such a manner that, when mounted as an upright, rain water will not collect on the lens, but will be channeled away from the fixture. Fixtures shall be C-UL & UL listed "suitable for wet locations" in either the upright or downlight position. Also meets IP65 standard.
- LENS AND GASKETING** All Design OLV fixtures shall be provided with a thermal and shock resistant tempered glass lens. Lenses shall be gasketed to the housing with extruded silicone gasketing and held in position by the lens frame, which shall be secured to the housing. Lens for OLV-8 shall be prismatic diffuse glass, and lens for OLV-12 shall be clear optically neutral glass.
- INSTALLATION** The luminaire shall be capable of providing either upright or downlight mounting. When mounted as an upright, rain water shall not be permitted to gather on the lens. The fixtures shall be factory pre-wired with high temperature wire, completely assembled and tested prior to shipment.
- REFLECTOR** All reflectors shall be constructed of electro-brightened, anodized and sealed aluminum. All photometric data shall be certified by an independent testing laboratory. The forward throw optics in the OLV-12 shall utilize a horizontal lamp position, an adjustable (40°) asymmetric reflector and clear glass lens. The 1x1 optics in the OLV-12 will utilize a vertical lamp position, a specular parabolic narrow beam flood reflector and a clear glass lens. The 3x3 optics in the OLV-12 shall utilize a vertical lamp position, a diffuse parabolic wide beam flood reflector and a clear glass lens.
- BALLAST** All fixtures for use with compact fluorescent lamps shall be equipped with HPF electronic type ballasts as standard. All fixtures for use with HPS, CMH or MH lamps shall be equipped with CWA or HX-HPF type ballasts, depending on lamp to be used. All ballasts shall be readily accessible, removable and insulated and fully factory tested.
- FINISH** Polyester powder coat, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1000 - hour salt spray endurance testing.



DIMENSIONS OLV-8		DIMENSIONS OLV-12	
A	9.00" (228.60 mm)	A	12.00" (304.80 mm)
B	8.75" (222.25 mm)	B	12.50" (317.58 mm)
C	9.68" (246.06 mm)	C	14.31" (363.53 mm)
D	5.50" (139.70 mm)	D	7.00" (177.80 mm)
E	4.81" (122.17 mm)	E	7.00" (177.80 mm)
F	5.00" B.C. (127.00 mm)	F	5.00" B.C. (127.00 mm)
G	3.50" B.C. (88.90 mm)	G	3.50" B.C. (88.90 mm)
H	3.25" B.C. (82.55 mm)	H	3.25" B.C. (82.55 mm)
I	2.75" B.C. (69.85 mm)	I	2.75" B.C. (69.85 mm)
J	.281" Dia. (7.14 mm)	J	.312" Dia. (7.94 mm)

**WEIGHT OLV-8**  
18.50 lbs. (8.40 kgs)

**WEIGHT OLV-12**  
37.50 lbs. (17.04 kgs)

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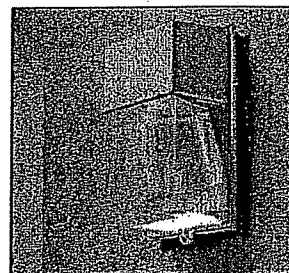
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PROJECT Starbucks @ Mundelein

FIXTURE TYPE L-2

CATALOG NUMBER \_\_\_\_\_

# Design NW-1



## DISTRIBUTIONS

TYPE III Asymmetrical (Horiz. Lamp)

ORDERING EXAMPLE NW-1-3-HPS-70-BK-120-FD-TP

DESIGN	DISTRIBUTION	HPS	LPS	PLC	LAMP	PHOTOMETRIC FILE NO.	
						HPS	PLC
NW-1	3	35/70*			ED-17	NW3370	
	3		18		T-17		
	3			22	PLC		
	3			28	PLC		

\*Note: Uses reactor ballast - 120V only

## REQUIRED CHOICES

FINISH	RAL NO.	VOLTAGES
BK Black	9005	120
BW White	9010	277
DB Bronze	8019	
SL Silver	9006	
FG Gray	7001	
CC Custom	Specify Color	

## OPTIONAL CHOICES

### ELECTRICAL OPTIONS

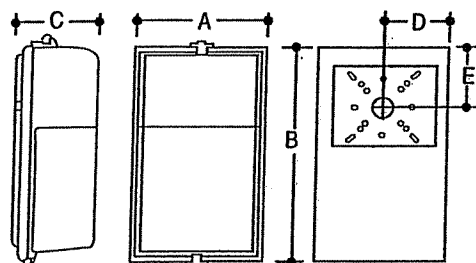
FD Single Fusing 120V/277V

PCB Photo Control Button

### OPTIONAL TOOL

TPS Tamperproof Screws (Requires tool)

TPT Tamperproof Tool



DIMENSIONS	WEIGHT
A 7.00" (177.80 mm)	8 lbs. (3.36 kgs)
B 12.00" (304.80 mm)	
C 5.25" (133.35 mm)	
D 3.50" (88.90 mm)	
E 3.50" (88.90 mm)	

There is no substitute for

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## SPECIFICATIONS

- HOUSING** The two piece housing shall consist of a die-cast aluminum backplate with heat dissipating fins and a polycarbonate lens/housing. Fixtures shall be C-UL & UL listed "suitable for wet locations."
- OPTICAL SYSTEM** The lens/housing refractor, designed to accommodate 18 watt LPS and 35-100 watt HPS lamps, shall have internal, vertical prisms providing a smooth exterior surface. The high performance refractor shall be computer matched to an electro-brightened, anodized and sealed reflector producing a rectangular isolux distribution and 79% efficiency.
- INSTALLATION** The luminaire shall be surface wall mount type (J-box or conduit). There shall be a mounting bracket, supplied by the factory, to allow installation without opening the fixture.
- BALLAST** All ballasts shall be NPF type ballasts.
- FINISH** Polyester powder coat, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1000 - hour salt spray endurance testing.

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PROJECT Starbucks @ Mandelieu

FIXTURE TYPE A

CATALOG NUMBER \_\_\_\_\_

# Design WFB-8



## DISTRIBUTIONS

TYPE V Symmetrical (Vert. lamp)

Ordering Example WFB-8-V-HPS-70-BK-120-33.5-FD

DESIGN	DISTRIBUTION	HPS	MH/MHP		LAMP
			MH = Std. Metal Halide	MHP = Pulse Start	
WFB-8	V	35/50	35/50	ED-17	
	V	70	70	ED-17	
	V	100	100	ED-17	

\* Available only in Pulse Start 35,50,70,100 MHP = Pulse Start

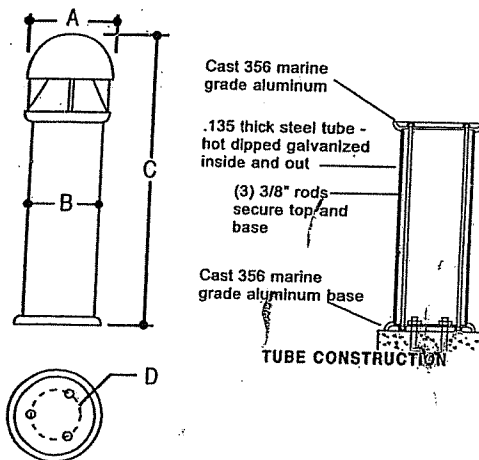
## REQUIRED CHOICES

FINISH	VOLTAGES	HEIGHT
BK Black	120	33.5
BW White	208	
DB Bronze	240	
SL Silver	277	
FG Gray	347	
CC Custom Specify Color		
SB Sand Blast		

## OPTIONAL CHOICES

### ELECTRICAL OPTIONS

FD Single Fusing 120V/277V  
FD/2 Double Fusing 208V/240V  
FDC Single Fusing 347V



DIMENSIONS	WEIGHT
A 10.00" Dia. (254 mm)	45.5 lbs. (20.6 kgs)
B 8.00" (203 mm)	
C 33.50" Hl. (850.9 mm)	

BOLT CIRCLE  
D 5.50" (139.70 mm)

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## SPECIFICATIONS

- HOUSING** Each WFB bollard is constructed of 356 aluminum alloy castings. The head cap is mounted to the window housing. This cap is removable for servicing the lamp. The body tube section is manufactured from .135 thick steel wall tubing which is hot dipped galvanized (ASTM A-123) inside and out. All external threaded hardware shall be stainless steel and shall be of tamper proof design requiring a special tool for disassembly. The fixture is C-UL & UL listed "suitable for wet locations".
- LENS** The flat polycarbonate lens is sealed to the window housing. Lens is fully gasketed with weatherproof, durable silicone foam gasketing material.
- MOUNTING** Mounting shall use a cast aluminum base which is secured by three (3) 5/8" x 12" embedded anchor bolts. The bollard uses (3) 3/8" internal rods which extend from the top ring down to the base casting. This system ensures a secure vandal resistant mounting.
- BALLAST** All ballasts are CWA or HX-HPF type with power factor of 90%. Ballasts are rated for -20°F or -40°F operation. All ballasts are readily accessible, removable and insulated.
- FINISH** Polyester powder coat, electrostatically applied, which is preceded by a five step pre-treatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1000 - hour salt spray endurance testing.

There is no substitute for

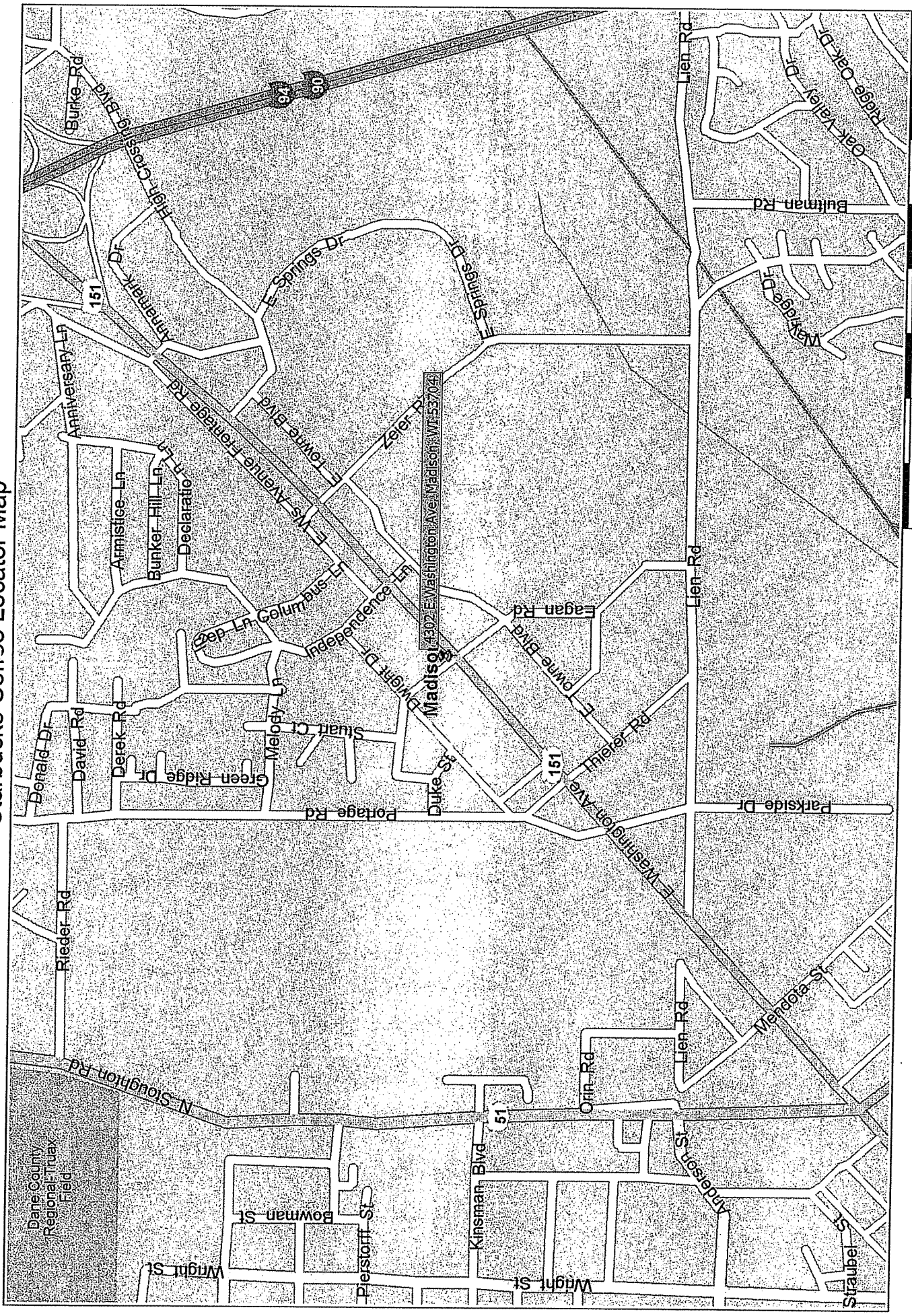
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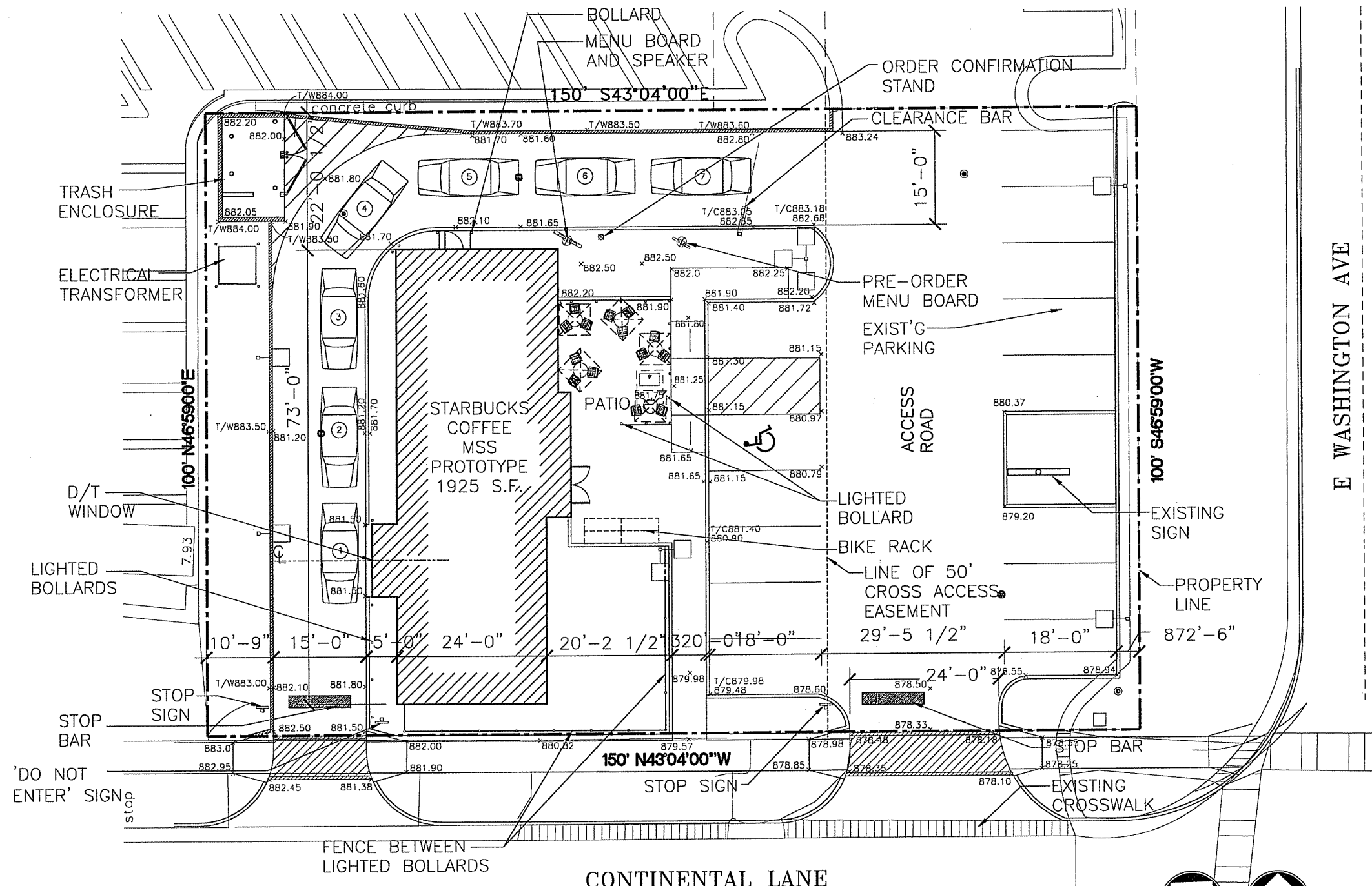
Starbucks Coffee Locator Map



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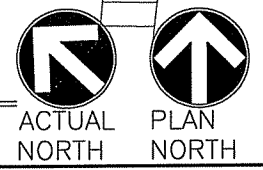
OK

0 mi 0.2 0.4 0.6 0.8



SITE INFORMATION / OCCUPANCY:	
PROJECT DESCRIPTION:	COMMERCIAL TENANT IMPROVEMENTS TO EXISTING BUILDING
ZONING:	C2 COMMERCIAL
TYPE OF USE:	RETAIL SALES AND SERVICES
OCCUPANCY/USE CLASSIFICATION:	M - MERCANTILE
TYPE OF OCCUPANCY:	A-2
TYPE OF CONSTRUCTION:	MASONRY
TOTAL SQUARE FEET:	1922.28 S.F.
EXTERIOR SEASONAL SEATING:	8 TABLES + (1) ADA
CODES:	BUILDING CODE WISCONSIN ADMINISTRATIVE CODE, AND THE INTERNATIONAL BUILDING CODE 2000
	MECHANICAL CODE WISCONSIN ADMINISTRATIVE CODE, AND THE INTERNATIONAL MECHANICAL CODE 2000
	PLUMBING CODE WISCONSIN ADMINISTRATIVE CODE, AND THE INTERNATIONAL PLUMBING CODE 2000
	ACCESSIBILITY WISCONSIN ADMINISTRATIVE CODE, AND THE FEDERAL ADA REGULATIONS
	ELECTRIC CODE WISCONSIN ADMINISTRATIVE CODE, AND THE NATIONAL ELECTRIC CODE
	HEALTH CODE WISCONSIN ADMINISTRATIVE CODE

1 SITE PLAN  
SCALE : 1" : 20'-0"

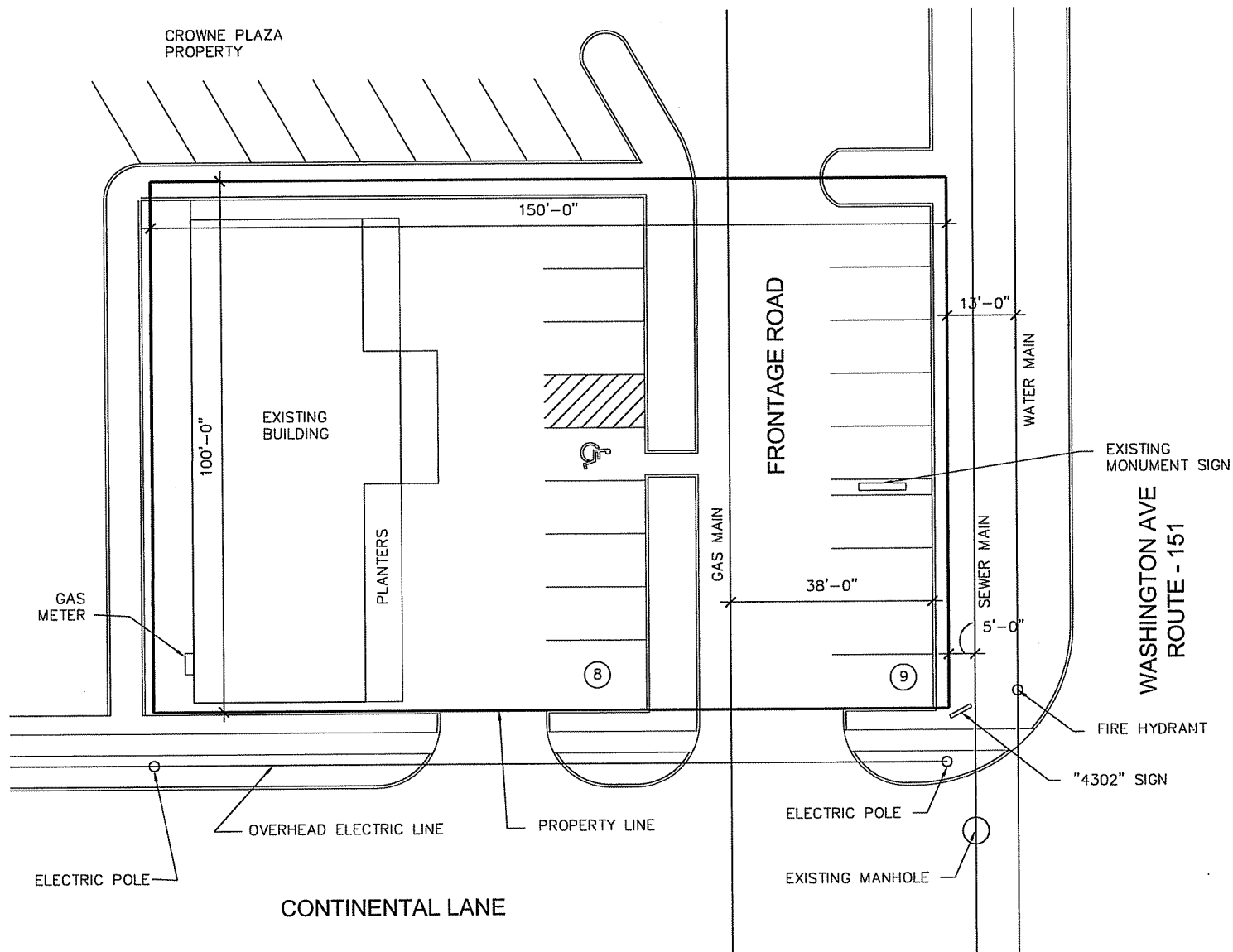


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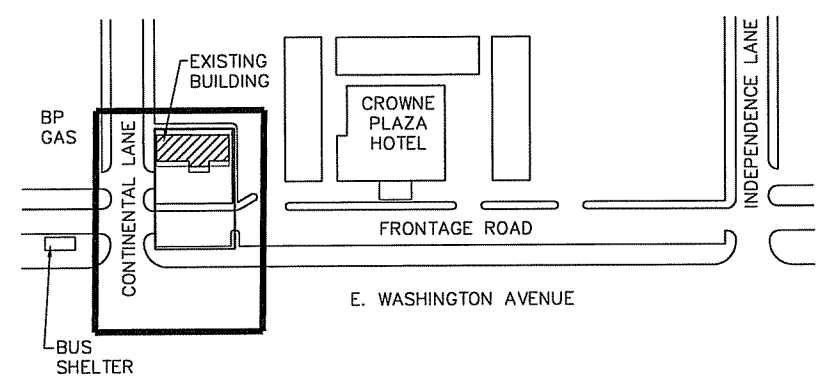
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**STARBUCKS COFFEE**  
 4302 E WASHINGTON AVE  
 MADISON, WI 53704



**STARBUCKS COFFEE COMPANY**  
 550 W WASHINGTON BLVD, SUITE 200  
 CHICAGO, IL 60661



1  
1B EXISTING SITE PLAN  
SCALE : 1"=30'-0"



2  
1B KEY PLAN  
SCALE : NTS

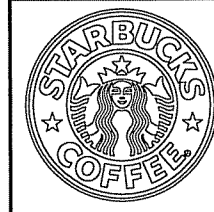


**LEGAL DESCRIPTION:**  
 T8N R10E, SEC 28, PART E 1/2, BEG AT  
 INTERSEC OF NELY LINE SUNNYSIDE  
 CRESCENT & NWLY LINE US HWY 151, TH N  
 43 DEG 04 MIN W ALONG NELY LINE  
 SUNNYSIDE CRESCENT 150 FT, TH N 46 DEG  
 59 MIN E 100 FT, TH S 43 DEG 04 MIN E  
 150 FT TO NWLY LINE U S HWY 151, TH S  
 46 DEG 59 MIN W ALONG SD NWLY LINE  
 100 FT TO POB

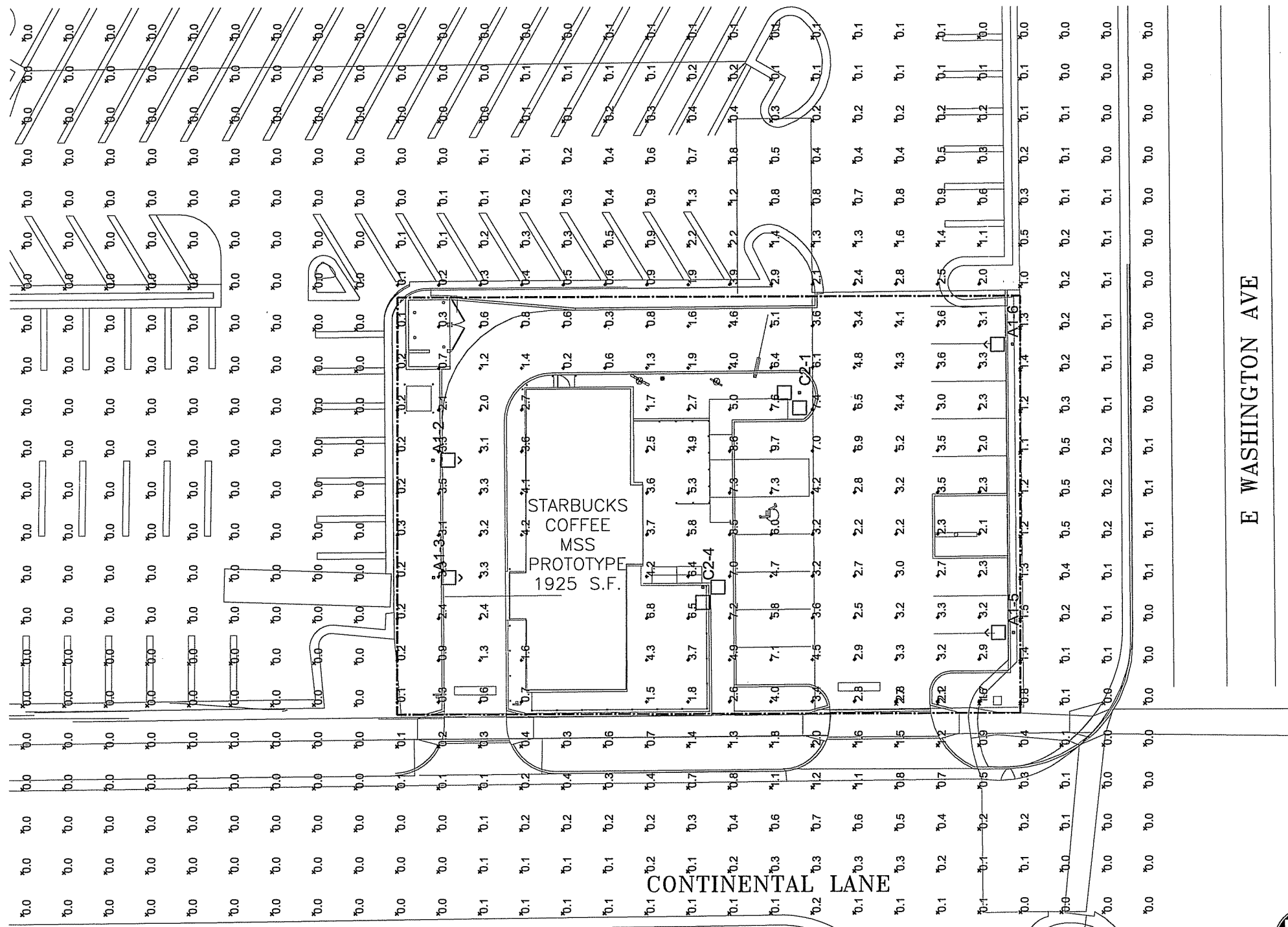


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 ISSUED February 15, 2006

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 550 W WASHINGTON BLVD, SUITE 200  
 CHICAGO, IL 60661



1 PHOTOMETRIC PLAN  
SCALE : 1" = 30'-0"



STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Calc Zone	+	3.1 fc	9.7 fc	0.1 fc	97.0:1	31.1:1
Perimeter	X	0.2 fc	2.7 fc	0.0 fc	N/A	N/A

NOTES  
1. Footcandles read at 4' above the ground.

LUMINAIRE LOCATIONS										
No.	Label	X	Location Y	Z	MH	Orientation	Tilt	X	Aim Y	Z
1	C2	157.2	50.2	25.0	25.0	270.0	0.0			
2	A1	141.1	138.5	25.0	25.0	180.0	0.0	141.1	134.8	0.0
3	A1	113.0	138.3	25.0	25.0	180.0	0.0	113.0	134.6	0.0
4	C2	110.6	73.5	25.0	25.0	180.0	0.0			
5	A1	99.6	-1.3	25.0	25.0	0.0	0.0	99.6	2.4	0.0
6	A1	168.7	-1.1	25.0	25.0	0.0	0.0	168.7	2.5	0.0

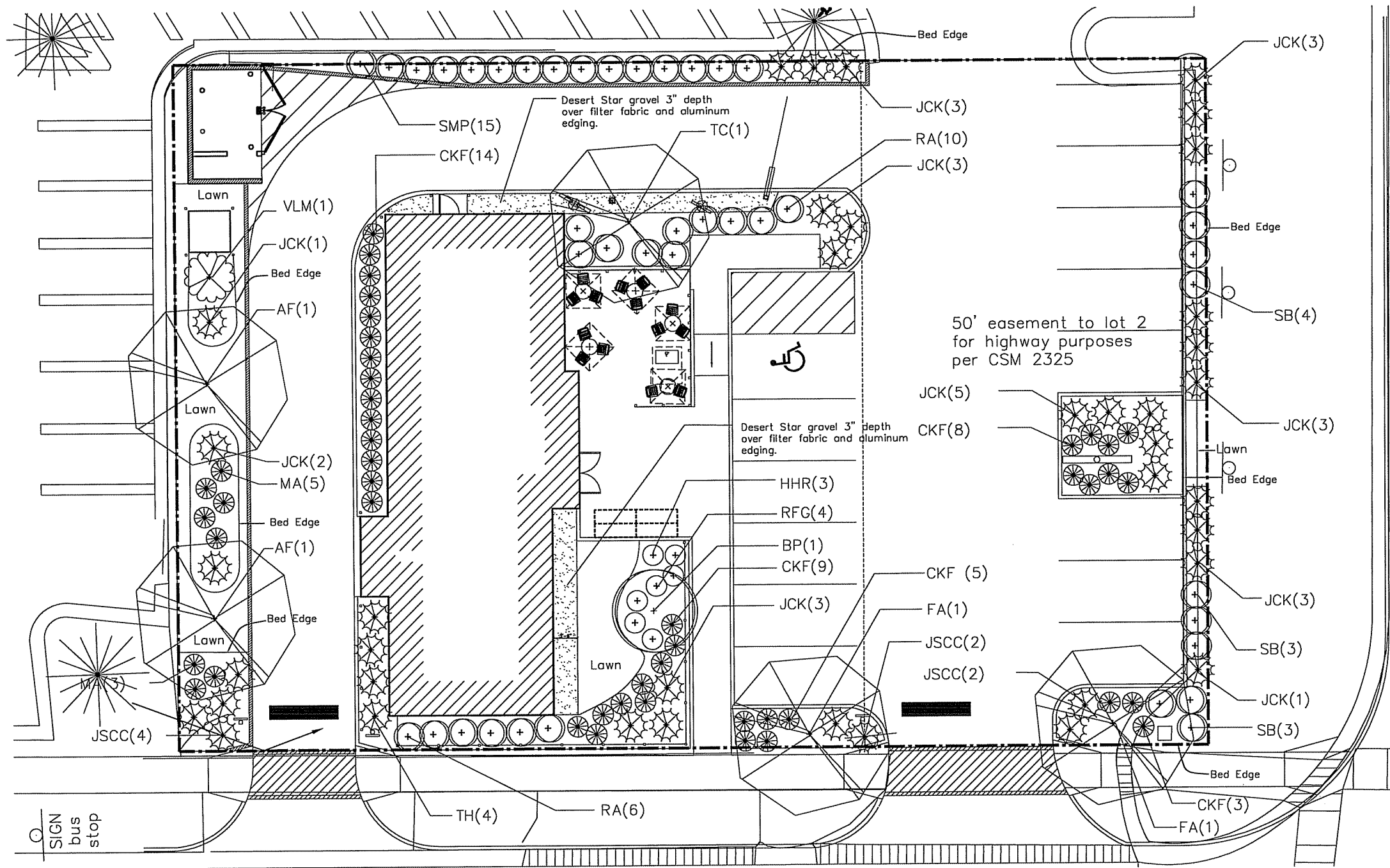
LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A1	4	KSF2 250M R4SC	AREA LIGHT W/TYP 4, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 250-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	93042103.IES	20000	0.72	297
	C2	2	KSF2 250M R3	AREA LIGHT WITH TYPE 3, SHORT, CUTOFF REFLECTOR, FLAT GLASS LENS.	ONE 250-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	93021201.IES	20000	0.72	594

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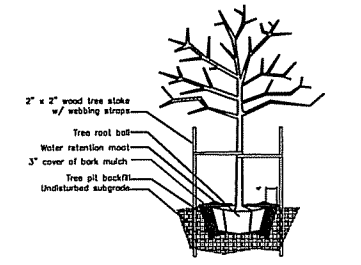
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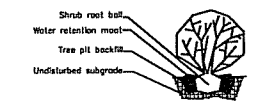




PLANT SCHEDULE				
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
AF	2	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple	2"- 2 1/2" BB
BP	1	Betula platyphylla japonica 'Whitespire'	Whitespire Japanese Birch	8"-10" BB
FA	2	Fraxinus americana 'Autumn Purple'	Autumn Purple Ash	2"-2 1/2" BB
TC	1	Tilia cordata 'Greenspire'	Greenspire Linden	2"-2 1/2" BB
EVERGREEN SHRUBS				
JCK		Juniperus chinensis 'kelly'	Kelly Compact Juniper	18"-24" P
JSCC		Juniperus sabina 'Calgary Carpet'	Calgary Carpet Juniper	18"-24" P
TH		Taxus x media 'Hicksii'	Hicks Yew	18"-24" BB
DECIDUOUS LARGE SHRUBS				
VLM		Viburnum lentana 'Mohican'	Mohican Viburnum	36"-42" BB
DECIDUOUS SMALL SHRUBS				
RAGL		Rhus typhina 'Grow Low'	Grow Low Sumac	18"-24" P
SB		Spiraea bumalda 'Anthony Waterer'	Anthony Waterer Spiraea	18"-24" P
SMP		Syringa meyerii 'polibin'	Dwarf Korean Lilac	24"-30" P
PERENNIALS				
CKF		Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Grass	1 gal pot
HHR		Hemerocallis 'Happy Returns'	Happy Returns Daylily	1 gal pot
RFG		Rudbeckia fulgida 'Goldstrum'	Showy Coneflower	1 gal pot
MSP		Miscanthus sinensis 'Purpurascens'	Flame Grass	1 gal pot



Tree Planting Detail



Shrub Planting Detail

- Notes:**
1. Tree and shrub planting beds are to be covered with landscape filter fabric and 3" depth of finely shredded bark mulch. Edge planting beds with commercial grade plastic edging.
  2. Beds with gravel cover should use the decorative stone named Desert Stars at a 3" depth on a landscape fabric underlayment and edged with commercial grade aluminum edging.
  3. All mowed turf areas to be covered with a 3" depth of screened topsoil, apply starter fertilizer at rate of 5# per 1000 SF, and install fresh cut sod.

1 LANDSCAPE PLAN  
SCALE : 1" = 20'-0"

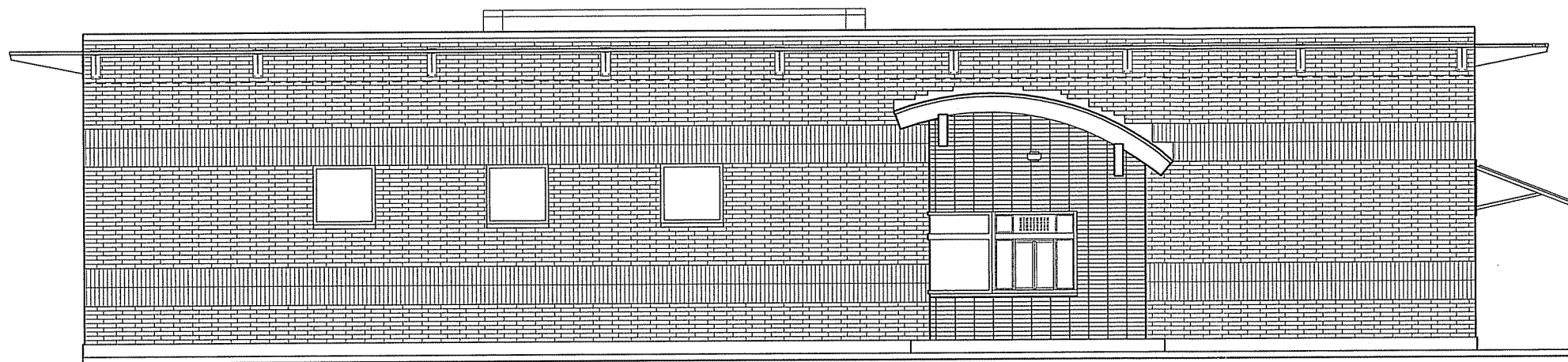


**new eden**  
Landscape Architecture  
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Phone (414)258-1810 FAX (414)258-1820

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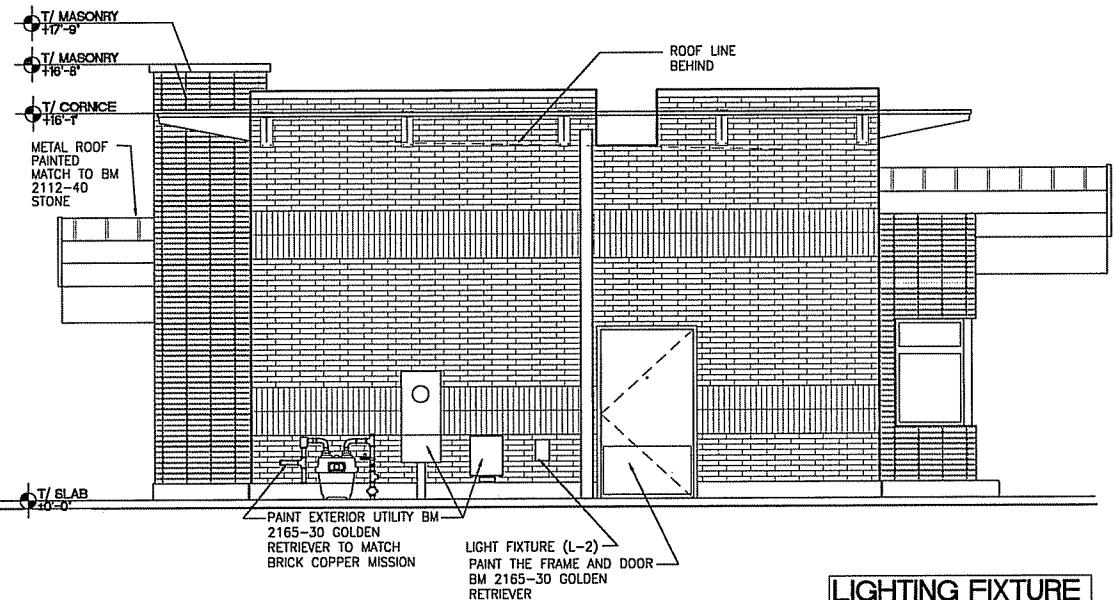
PROPOSED  
**STARBUCKS COFFEE**  
4302 E WASHINGTON AVE  
MADISON, WI 53704

**STARBUCKS COFFEE COMPANY**  
550 W WASHINGTON BLVD, SUITE 200  
CHICAGO, IL 60661



**WEST ELEVATION**

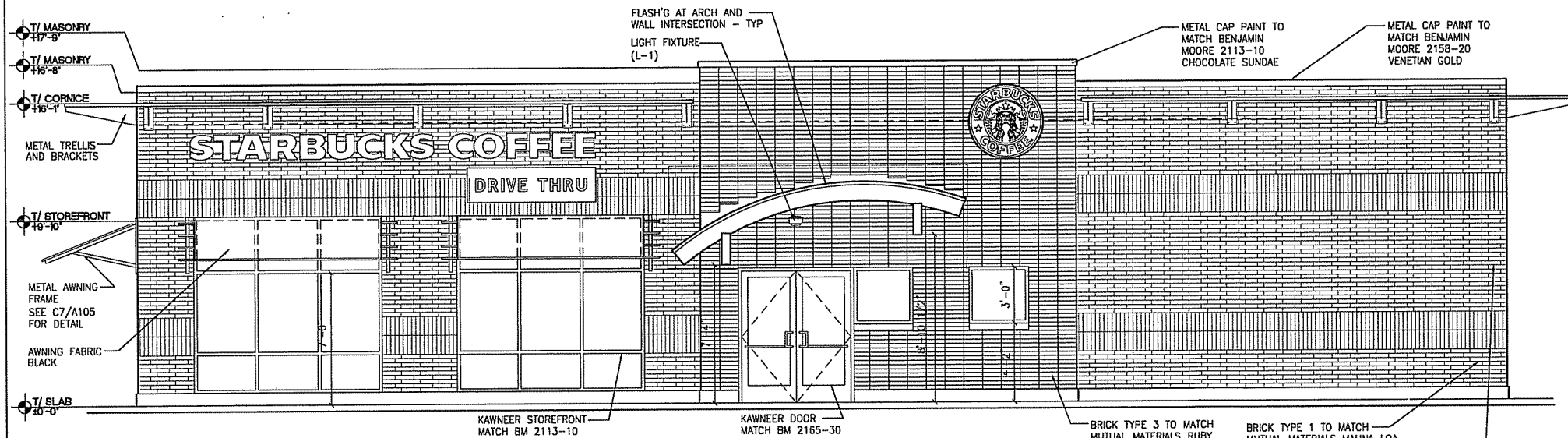
SCALE : 1/8"=1'-0"



**NORTH ELEVATION**

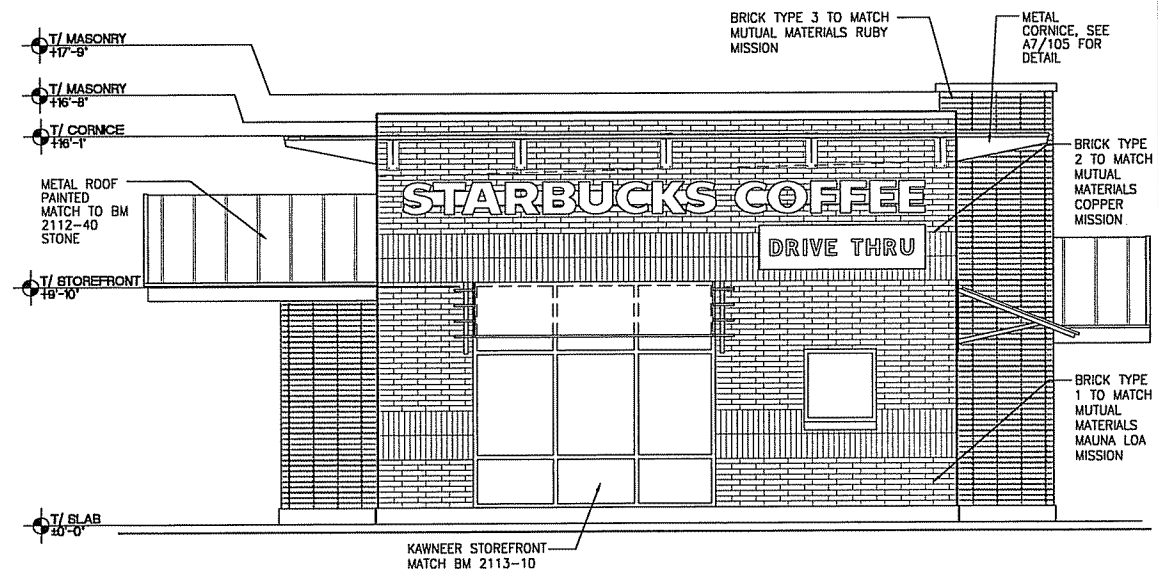
SCALE : 1/8"=1'-0"

LIGHTING FIXTURE	
ITEM#	DESCRIPTION
L-1	METAL HALIDE UPLIGHT
L-2	WALL MOUNTED LIGHT PACK



**EAST ELEVATION**

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



**SOUTH ELEVATION**

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

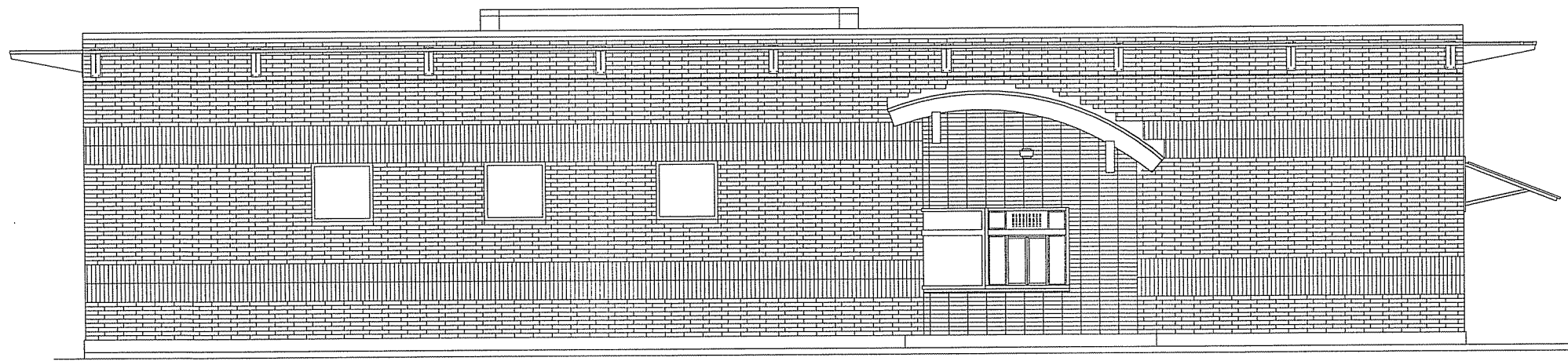


**Sarfatty Associates, Ltd.** Architects  
 3201 Old Glenview Road Suite 301  
 Wilmette, Illinois 60091-2999  
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 fax (847) 920-1101  
 e-mail: general@sarfatty.com  
 ISSUED February 15, 2006

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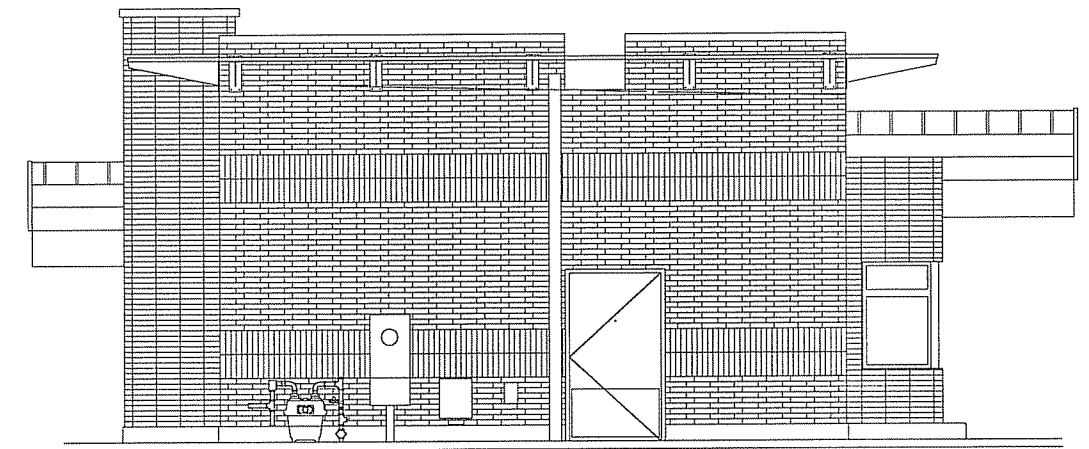
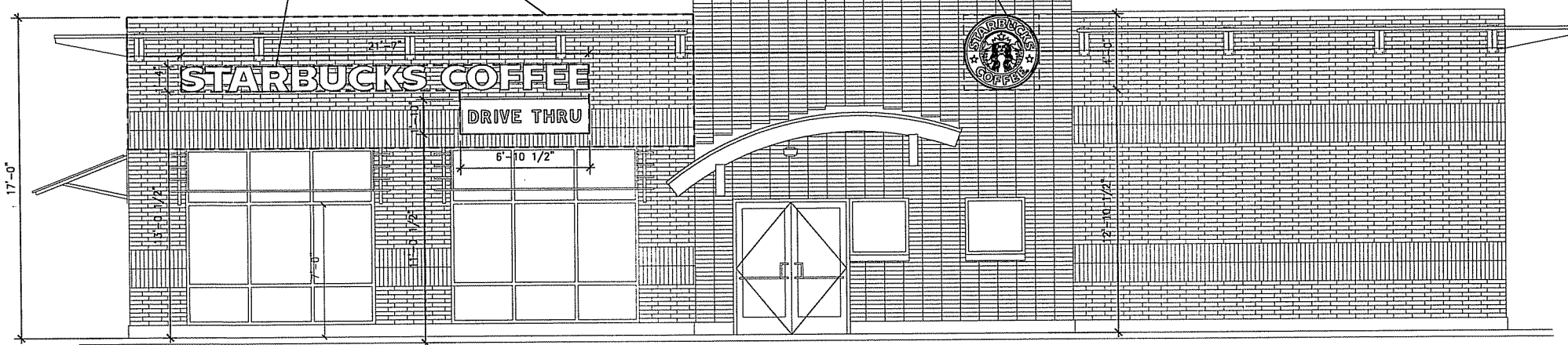
**WEST ELEVATION**

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

SIGN A: 44.82 S.F.

SIGNABLE AREA: 210 S.F.  
MAX ALLOWED AREA:  
40% X 168 S.F.= 84 S.F.

SIGN B: 16 S.F.

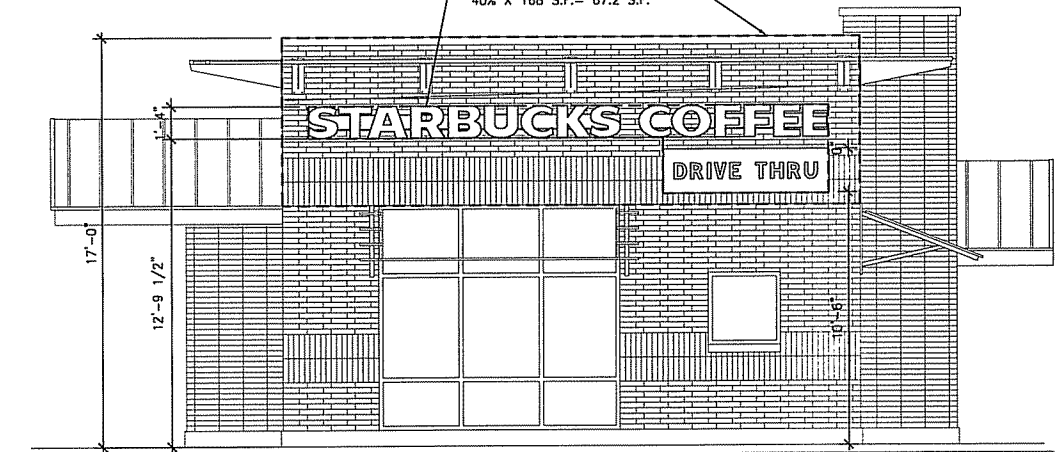


**NORTH ELEVATION**

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

SIGN C: 44.82 S.F.

SIGNABLE AREA: 168 S.F.  
MAX ALLOWED AREA:  
40% X 168 S.F.= 67.2 S.F.



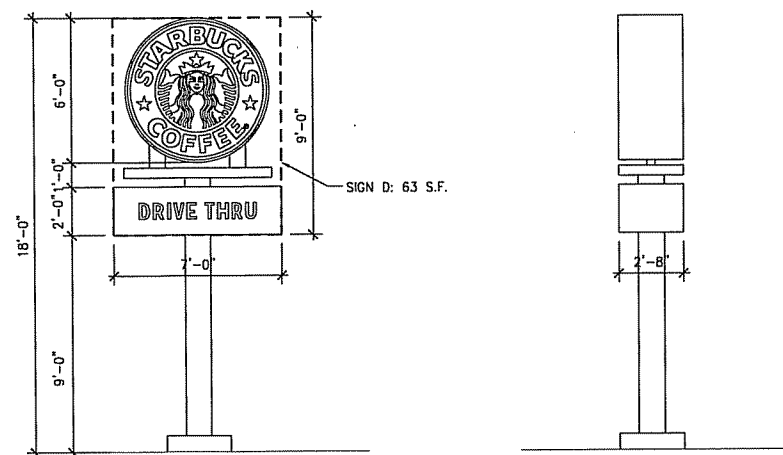
**EAST ELEVATION**

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

**SIGNAGE CALCULATION**

BASED ON CITY OF MADISON SIGN ORDINANCE

	PROPOSED	ALLOWABLE BY CODE
NORTH ELEVATION	SIGN A: 44.82 S.F. SIGN B: 16 S.F. TOTAL SIGN: 60.82 S.F.	SIGNABLE AREA: 210 S.F. MAX ALLOWED AREA: 40% X 210 S.F.= 84 S.F.
EAST ELEVATION	SIGN C: 44.82 S.F.	SIGNABLE AREA: 168 S.F. MAX ALLOWED AREA: 40% X 210 S.F.= 67.2 S.F.
POLE SIGN	SIGN D: 18'-0" HIGH 63 S.F.	6 LANES TRAFFIC, 40 MPH 18'-0" HIGH 72 S.F.



**POLE SIGN ELEVATIONS**

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

SIGN D: 63 S.F.

**SOUTH ELEVATION**

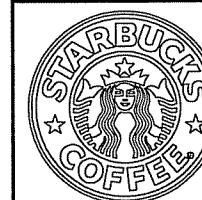
SCALE : 1/8"=1'-0"



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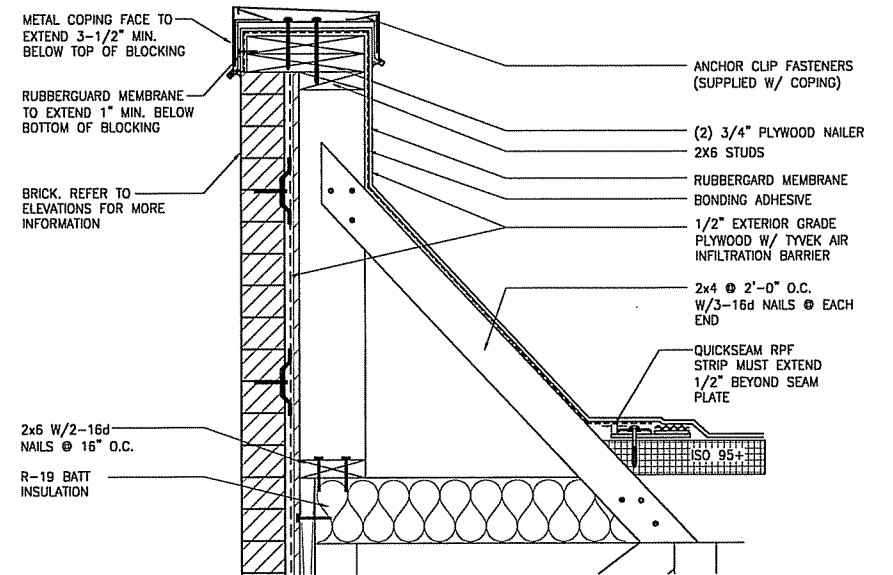
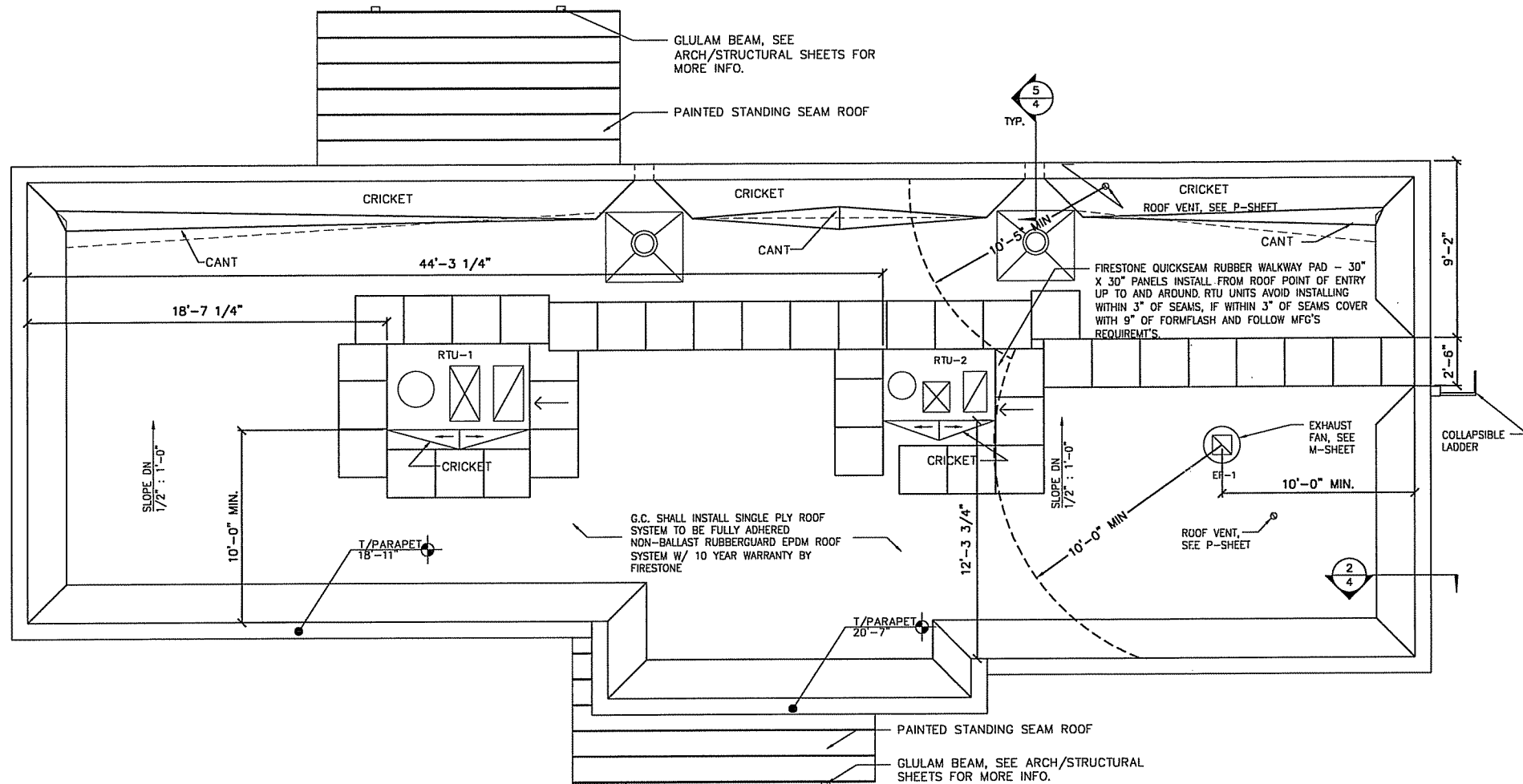
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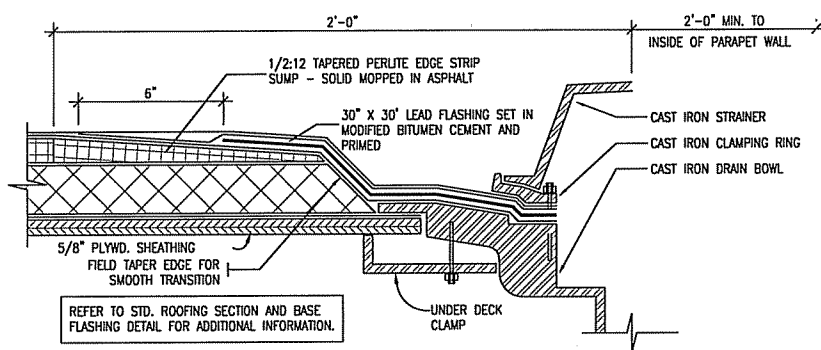
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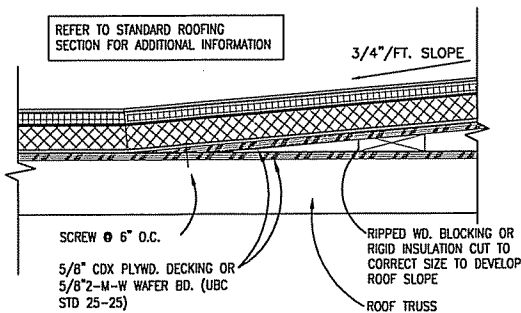


2 PARAPET DETAIL  
4 SCALE : NOT TO SCALE

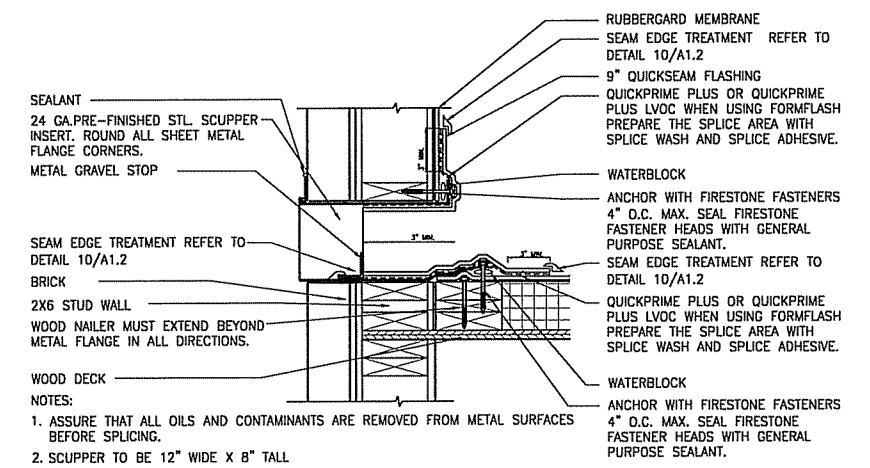
1 ROOF PLAN  
4 SCALE : 1/8" = 1'-0"



3 ROOF DRAIN DETAIL  
4 SCALE : NOT TO SCALE



4 TYP. CRICKET DETAIL  
4 SCALE : NOT TO SCALE

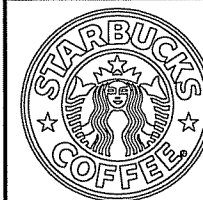


5 SCUPPER DETAIL  
4 SCALE : NOT TO SCALE

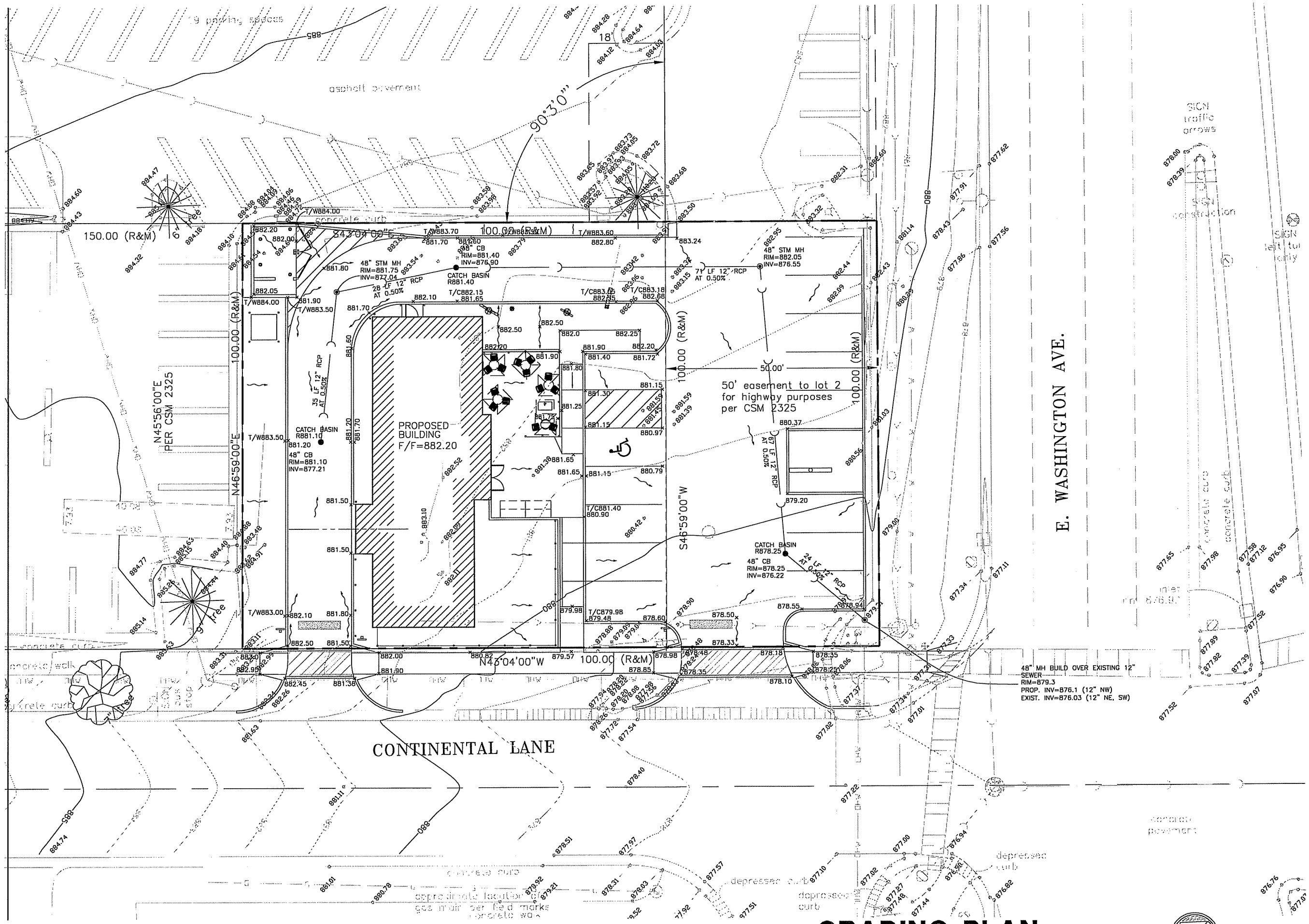


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# GRADING PLAN

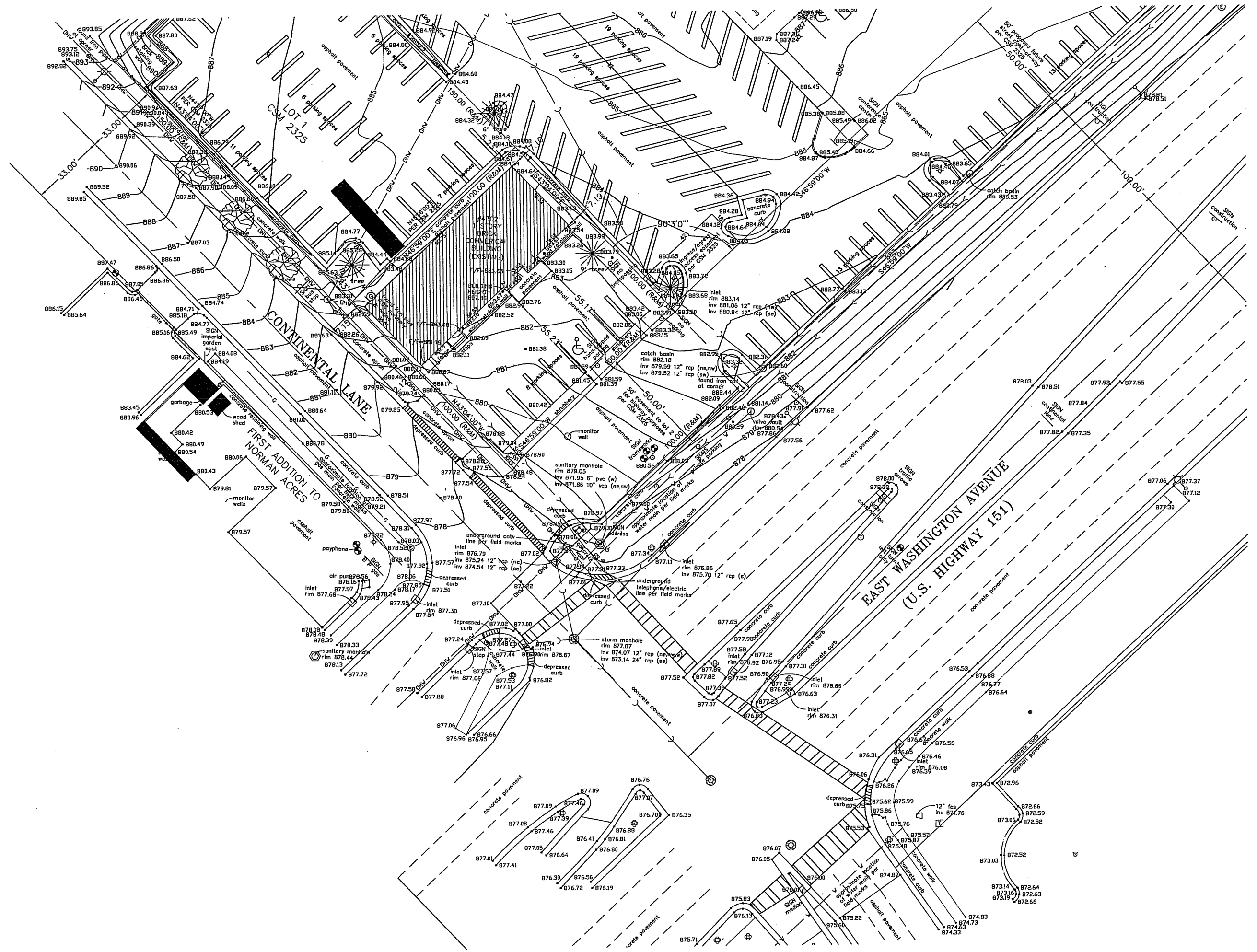


DATE	DESCRIPTION	DRAWN BY

**IG CONSULTING, INC.**  
**INFRACON & GE CON**  
 CONSULTING CIVIL ENGINEERS, PLANNERS & LAND SURVEYORS  
 300 MARQUARDT DRIVE WHEELING, ILLINOIS 60090 PH. (847) 215-1133 FAX (847) 215-1177  
 e-mail: ig@igconsulting.net

DESIGN: P.L.      DRAFTING: R.P.      DATE: 02/15/05  
 GRADING PLAN      SCALE: 1"=10'

## PROPOSED STARBUCKS CONTINENTAL LN. & E. WASHINGTON AVE. MADISON, WISCONSIN



CONTINENTAL LANE

EAST WASHINGTON AVENUE  
(U.S. HIGHWAY 151)

FIRST ADDITION TO  
NORMAN ACRES

COMMERCIAL  
BUILDING  
(EXISTING)

LOT 1  
CSM 2325

33.00'

100.00'

100.00' (R&M)

50.00' (R&M)

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