APPLICATION FOR URBAN DESIGN COMMISSION REVIEW AND APPROVAL

AGENDA ITEM#	
Project #	

DATE SUBMITTED: 1/31/07	Action Requested Informational Presentation
UDC MEETING DATE: 2/7/07	Initial Approval and/or Recommendation Final Approval and/or Recommendation
PROJECT ADDRESS: GOL PEDAN	DR. MADISON, W 53593
ALDERMANIC DISTRICT:	7
OWNER/DEVELOPER (Partners and/or Principals)	ARCHITECT/DESIGNER/OR AGENT:
245 W. Dayton St.	2 mmarman Architectural Studios
Madison law 53703	
CONTACT PERSON: DIVER BARNES	
Address: 7707 HARWOOD	NE. 15323
Phone: 44.918.1461	
Fax: 414.476.8582	
E-mail address:	studios.com
TYPE OF PROJECT:	
(See Section A for:) Planned Unit Development (PUD)	
General Development (I 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 a well as a fee)	n Urban Design District * (A public hearing is required as
School, Public Building or Space (Fee may be	required) LANEN PARK EXEMENTARY SCHOOL OF a Retail, Hotel or Motel Building Exceeding 40,000
Planned Commercial Site	
(See Section B for:) New Construction or Exterior Remodeling in C	24 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 We	eks in Advance of Meeting Date)

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



DESCRIPTION

PHOCUS defines the ultimate floodlighting solution; powerful performance, easily concealable size and a stunningly beautiful shape. Available in wattages up to 150 watt T-6 Metal Halide and 250 watt T-4 Quartz Halogen. PHOCUS is versatile in application. Ground, wall, ceiling, burial and remote mounting configurations offer a wide variety of application alternatives to accomplish specific design requirements. Offering seven (7) uniquely shaped optical distributions, plus an array of HID and Quartz Halogen PAR lamps, PHOCUS is unrivaled in it's optical versatility. An available family of light control accessories provides custom cutoff solutions to meet specific distribution requirements.

Catalog #	Туре
Catalog "	
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Housing

One-piece, die-cast aluminum housing maintains a nominal .125" wall to endure the toughest environments while maintaining precise tolerance control. Cast indicator mark on backside of housing reference 2.5 degree internal aiming marks on yoke arm for precise vertical aiming control.

B ... Door

Die-cast aluminum door maintains a nominal .125" wall thickness. Door is secured with two (2) tamper resistant recessed stainless steel fasteners. Lens is impact resistant .20" tempered clear contoured glass, sealed to the door with a one-piece molded silicone gasket.

C ... Yoke Arms

Heavy-duty die-cast aluminum yoke utilizes a taper-lock adjustment mechanism for both solid attachment and infinite aiming. Vertical adjustment is made via one (1) captive stainless steel fastener consistent with doorframe fasteners. Tested in all planes to sustain 3G of vibration.

D ... Base Assembly

Die-cast aluminum base assembly grounds yoke arms and allows for 357 degrees of horizontal rotation. Base assembly includes angle increment markers spaced at 2.5 degree intervals for ease of aiming, and an internal cast stop to prohibit rotation beyond one full revolution. Continuous silicone gaskets prevent water intrusion into base.

E ... Optical Systems

Choice of seven (7) high efficiency optical systems constructed of highly reflective anodized aluminum sheet, or bright anodized polished spun aluminum. Available distributions include Narrow Spot Axial, Horizontal Narrow Flood, Horizontal Medium Flood, Horizontal Wide Flood, Vertical Narrow Flood, Vertical Medium Flood, and Vertical Wide Flood. Metal Halide and Quartz Halogen PAR lamps also available in a variety of beam spreads. Metal Halide T6 lamps feature G12 lampholders, Metal Halide PAR-20 lamps feature medium screw base lampholders and Quartz Halogen T4 lamps feature mini-can lampholders. Quartz Halogen PAR-30 lamps feature medium screw base lampholders while Quartz PAR-36 lamps feature a chip on socket.

F ... Integral Ballast Box

Die-cast aluminum ballast enclosure attaches to mounting surface with two (2) 3/8" stainless steel lag bolts. Wiring compartment features a removable cover and is completely sealed from electrical components to prevent water or vapor entry into the fixture. Standard silicone-filled wire nuts prevent wicking of water through wire leads. Continuous silicone gasketing throughout base assembly forbids contaminant entry.

G ... Electrical Components

Choice of high power factor (HPF) magnetic, or superior performing electronic HID ballasts.

H ... Finish

Fixtures and accessories are finished in a premium 5 stage TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic. RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information.



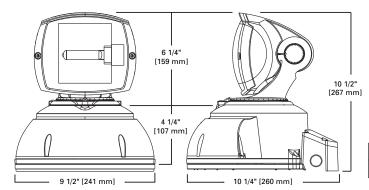
PHH **PHOCUS FLOOD**

39-150W **Metal Halide**

ARCHITECTURAL FLOODLIGHT

■ Wattage Table	
	PHH
Metal Halide T6	39, 70, 100, 150W
Metal Halide PAR20	39W

DIMENSIONS



Certifications	i	
1045 D		26.14

IP65 Rated	U.L. 1598	2G Vibration Tested
CSA Listed	25° C Ambient	ISO 9001

EPA (effected projected area)

SHIPPING DATA (approx.) Net Weight (lbs.): 10



Sample Number: PHH-150-MH-120-MB-HNF-GIB-BK-L Color 14 **Product Family** Ballast Voltage ⁵ Accessories 17 PHH: PHOCUS HID 120: 120V MB= Magnetic Ballast BK= Black VA3003-XX: Color Filter Adapter with Red Gel 208: 208V FR= Electronic Ballast10 VA3004-XX= Color Filter Adapter with Bright Blue AP= Grev Lamp Wattage 240: 240V XX: No Ballast BZ= Bronze VA3005-XX: Color Filter Adapter with Deep HID T6 Lamps WH= White 277: 277V 39: 39W2 VA3006-XX= Color Filter Adapter with Warm Orange Gel Optical System 347: 347V DP: Dark Platinum 70: 70W3 HID T6 Lamps DT: Dual-Tap wired 277V6, 7 GM: Graphite Metallic VA3001-XX= Top Visor 100: 100W NS: Narrow Spot Axial MT= Multi-Tap wired 277V6, 8 VR: Verde Green VA3002-XX= Four Sided Shield 150: 150W HNF: Horizontal Narrow Flood TT= Triple-Tap wired 347V6, 9 VA3007-XX= Wire Guard HID PAR Lamps 4 HMF= Horizontal Medium Flood Options 15 XXX= None 39: 39W2 HWF= Horizontal Wide Flood F= Single Fuse (120, 277 or 347V)16 Specify Voltage VNF: Vertical Narrow Flood Lamp Type FF= Double Fuse (208, 240 or 480V)16 VMF= Vertical Medium Flood MH= Metal Halide Specify Voltage VWF= Vertical Wide Flood FR: Frosted Flat Glass Lens HID PAR Lamps 11 L= Lamp Included SP10= 10° Spot FL30= 30° Flood Mounting Ground Mount GBB= Direct Burial Mount (supplied w/ burial ballast)12 GIB: Integral Ballast Box GRB: Remote Mount (supplied w/ remote burial ballast)12 GRNB: Remote Mount (requires remote potted ballast by others)13 GSR= Spike Mount (supplied w/ remote burial ballast)12 Wall/Ceiling Mount WIB: Integral Ballast Box WRNB= Remote Mount (requires remote potted ballast by others)

- Notes: 1 T6 lamps use G12 base.
 - 2 Available in Dual-Tap, 120 and 277V only.
 - 3 70W magnetic ballast limited to Dual-tap 120/277 or 120/347.
 - 4 39W PAR20 lamps use medium screw base.
 - 5 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
 - 6 Magnetic ballasts only.
 - 7 Dual-tap is 120/277V wired 277V.
 - 8 Multi-tap is 120/208/240/277V wired 277V.
 - g Triple-tap is 120/277/347V wired 347V.
 - 10 120 through 277V only. Not available with 150 MH lamp, or GBB, GRB, GSR ground mount options.
 - 11 PAR 20 MH lamps available in 39W only.
 - 12 GBB, GRB, GSR mounting options include a magnetic potted burial ballast enclosure. Not available in 150W MH. Maximum 50' remoting distance from fixture head.
 - 13 For use when ground mounting in non-earth or interior surface environments.
 - 14 Custom and RAL color matching available upon request. Consult your INVUE Lighting Systems Representative for further information.
 - 15 Add as suffix in the order shown.
 - 16 Fusing available on GIB and WIB mounting options only.
 - 17 Order separately, replace XX with color suffix.



INVUE®

DESCRIPTION

ENTRI Series' family of modular faceplate designs provide a tasteful architectural statement equally suitable for indoor and outdoor environments. Available luminous faceplate window adds a signature look, while affording custom color capability.

Catalog #	Туре
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Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Housing

One piece die-cast aluminum construction for precise tolerance control and repeatability in manufacturing. Accommodates either up or down mounting configurations with no modifications. Downlight and uplight lens' are impact resistant 5/32" thick tempered clear or frosted flat glass, sealed to the housing with high strength VHB adhesive tape and a continuous silicone bead gasket. Silicone wireway plug on housing back wall seals incoming electrical leads to prevent moisture and dust entry.

B ... Faceplate

One piece die-cast aluminum faceplate utilizes a continuous silicone gasket to seal securely to housing. Side hinged faceplate swings open via release of one (1) flush mount die-cast aluminum latch on housing side panel. Available luminous glass insert is .16" thick frosted glass, secured to back of faceplate with a continuous EPDM gasket. Available colored gel film secures behind glass.

C ... Optical System

Choice of ten (10) high efficiency optical systems constructed of premium 95% reflective anodized aluminum sheet, or bright specular anodized polished spun aluminum. Available distributions include Type III, Type III with 10% secondary glow, Type III with pencil secondary, Forward Throw, Forward Throw with 10% secondary glow, Forward Throw with pencil secondary, FX grazing optic, FXF 50% up/50% down grazing optic, Tight Spot, and 50% up/50% down Tight Spot. Optical segments are rigidly mounted inside a heavy wall aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs, or other means of attachment which may cause streaking in the light distribution. All reflector modules feature quick disconnect wiring plugs. T6 Metal Halide lamps feature G12 lampholders, White SonTM High Pressure Sodium lamp features a GX12 lampholder, Quartz Halogen lamps feature mini-can screw based lampholders, and Compact Fluorescent lamps feature GX24q-(3,4,5) 4-pin lampholders.

D ... Electrical Components

Ballast and related electrical componentry are heat sunk to the housing for cooler operation and prolonged life.

E ... Mounting

Standard zinc plated attachment plate mounts directly to 4" J-Box. Fixture slides over mounting plate and is secured with two (2) concealed stainless steel fasteners. Mounting plate features one-piece, EPDM gasket on back side of plate to firmly seal fixture to wall surface, forbidding entry of moisture and particulates. Optional mounting arrangements utilize a die-cast aluminum adapter box to allow for surface conduit wiring, quartz lamp options, and emergency battery pack capability.

F ... Finish

Housing finished in a 5 stage premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, and graphite metallic. RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information.





ENT ENTRI TRIANGLE REVEALS

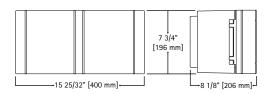
26-250W

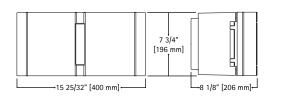
Metal Halide WhiteSON High Pressure Sodium Compact Fluorescent Quartz Halogen

ARCHITECTURAL WALL LUMINAIRE



DIMENSIONS





Wattage Table

	ENT
Metal Halide	39, 70, 100, 150W
White Son HPS	100W
Compact Fluorescent	26, 32, 42, 57W
Dual Compact Fluorescent	(2) 26, (2) 32, (2) 42W
Quartz Halogen	100, 150, 250W

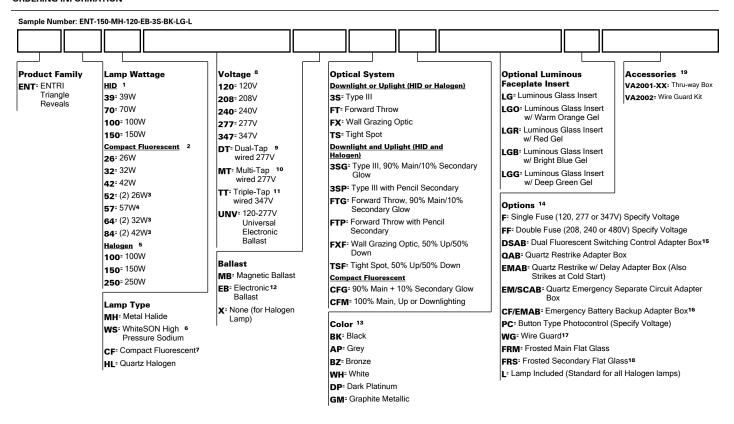
Certifications

IP66 Rated	U.L. 1598		FCO	*
CSA Listed	25°C Ambient	ISO 9001	Full Cutoff	

*In downlight only configurations with no faceplate window.

Shipping DATA (approx.) Net Weight (lbs.): 13 Volume (cu. ft): 4.5



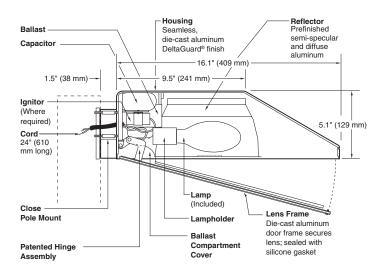


- Notes: 1 All MH lamps are T6 envelope with G12 lamp base. All HPS lamps are T6 envelope with GX12 lamp base.
 - 2 All 26/32/42/57W CF lamps feature a 4-pin lamp base. Available in CFM and CFG distributions only.
 - 3 Dual compact fluorescent lamps.
 - Nominal M.O.L lamp length of 57W CFL not to exceed 7".
 - 5 All Halogen lamps are T4 envelope with mini-can base.
 - 6 WhiteSON HPS lamp available in 100W only. Requires electronic ballast. 120/277V only. Requires use of VA2001 accessory Thru-way Box.
 - 7 Compact Fluorescent ballasts contain internal fusing. No supplemental fusing is necessary. CF ballasts are 120 through 277V. Specify with UNV voltage designation.
 - 8 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
 - **9** Dual-tap is 120/277V wired 277V.
 - 10 Multi-tap is 120/208/240/277V wired 277V
 - 11 Triple-tap is 120/277/347V wired 347V.
 - 120 through 277V only. Electronic ballasts contain internal fusing, no supplemental fusing is necessary. Electronic ballast available with all CF lamps, and 39/70/100W MH lamps. Available with 150W MH lamp with use of VA2001 accessory Thru-way Box. Not available with QAB or EMAB options.
 - 13 Custom and RAL color matching available upon request. Consult your INVUE Lighting Systems Representative for further information.
 - 14 Add as suffix in the order shown.
 - 15 Dual switching requires dual 26, 32 or 42W Compact Fluorescent lamps. Allows independent switching control of each lamp through use of two (2) electronic ballasts. Allows 50% power reduction when dual ballasts are independently wired and controlled.
 - 16 Battery backup provides 90 minutes of supplemental light at 60% of initial rated lamp lumens. Must specify 26/32/42W Compact Fluorescent lamp.
 - 17 For use in down lighting applications only.
 - 18 Frosted secondary lens provided standard on 3SG, FTG, and CFG distributions.
 - 19 Order separately, replace XX with color suffix.

16" Wedge w/ Close Pole Mounting Arm *BAA-W16-H-T3-CP*

Beta Catalog Number:





Notes:

Product Family BAA	Housing Indicator W16	Lamp Position H	Beam Distribution T3 ⁶	Mounting Options CP ⁵	Lamp Selection* 100 PMH	100 HPS	Ballast Voltage MT ¹	Color Options BZ	Factory-Installed Options If choosing more than one option, please type in manually on the lines provided above.
					150 PMH	150 HPS	DT^2	BK	F–Fuse ⁷
*Lamp Abbrev PMH = Puls	v iation Key: se Start Metal Halide						12-120V	WH	GS-Decorative Gray Color
MHX = Meto	al Halide				175 MHX		20-208V	PB	Striping
HPS = High	h Pressure Sodium						24-240V	SV	P-Photocell ⁷
							27-277V		Q–Quartz Standby ⁸
							34-347V		RS-Decorative Red Color
							$48-480V^{3}$		Stripe
Field-Inc	talled Access	ories					550 Hz ⁴		

Field-Installed Accessories



Backlight Shield



Wire Guard FWG-16

- 1-150W PMH, 175W MHX and 100W & 150W HPS are
- standard with multi-tap (MT) ballast
- 2-100W PMH are standard with dual-tap (DT) ballast
- 3-480V ballast available for 175W MHX and 100W HPS
- 4-International 50 Hertz ballasts available, consult factory
- 5-CP (Close Pole mounting arm)-Offsets the fixture 1.5" from pole
- 6-T3-IESNA Type III
- 7-Must specify voltage other than MT or DT

8-Delay-relay type and includes 100W T4 dual-contact

General Description

Parking lot and roadway full cuoff luminaire for HID lamp, totally enclosed. For downlight application only. Housing is seamless, die cast aluminum. Mounting consists of a 1.8" (44 mm) wide by 2.5" (63 mm) high by 1.5" (38 mm) long extruded aluminum arm. The arm is held in place with two 3/8" (9 mm) mounting rods fastened to a steel backing plate inside the pole, and by two nuts inside the fixture housing. Mounting rods are provided with sealing washers to prevent water leakage. Lens assembly consists of rigid aluminum frame, high impact, clear tempered glass.

Fixture includes clear, medium base lamp. Pulse-rated porcelain enclosed, 4kv rated screw shell type lampholder. Lamp ignitor included where required. All ballast assemblies are high power factor and use the following circuit types: Reactor 120V: 100W & 150W HPS; HX - High Reactance: 100W MH and 100W & 150W HPS; CWA - Constant Wattage Autotransformer: 125W & 150W PSMH and 175W MH

Exclusive Colorfast DeltaGuardTM finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our 7 year limited warranty.

ANSI lamp wattage label supplied, visible during relamping. UL Listed in U.S. and Canada for wet locations and enclosure classified IP65 per IEC

Patents

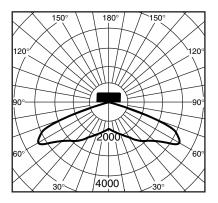
U.S. 4,689,729; 4,709,312; D352,126; Canada 74203



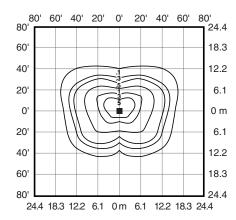
BAA-W16-H-T3-CP 16" Wedge w/ Close Pole Mounting Arm

EPA RATING

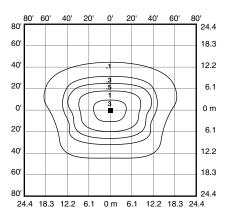
EPA 0.45 for single fixture with 0° tilt. Refer to Specifier Reference Guide or www.beta-lighting.com/TechnicalData/Windloading.pdf for EPA rating on multiple units or other tilt angles.



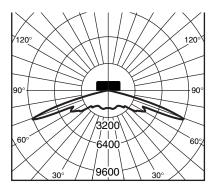
Lighting Sciences Inc. Certified Test Report No. LSI 10694 Candlepower distribution curve of 175W MH Rectangular Parking/Roadway Light.



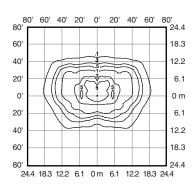
Isofootcandle plot of 175W MH Parking/Roadway Light at 15' (4.6 m) mounting height and 0° vertical tilt. (Plan view)



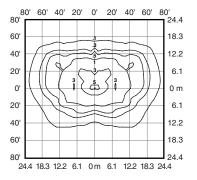
Isofootcandle plot of 175W MH Parking/Roadway Light at 20' (6.1 m) mounting height and 0° vertical tilt. (Plan view)



Lighting Sciences Inc.
Certified Test Report No. LSI 10110
Candlepower distribution curve of 150W
HPS Rectangular Parking/Roadway Light.

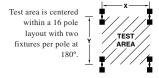


Isofootcandle plot of 150W HPS Parking/Roadway Light at 15' (4.6 m) mounting height and 0° vertical tilt. (Plan view)



Isofootcandle plot of 150W HPS Parking/Roadway Light at 20' (6.1 m) mounting height and 0° vertical tilt. (Plan view)

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



Pole-spacing Example Data

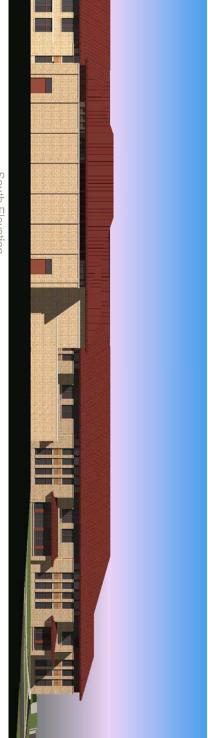
Average Initial Light Levels at Grade 2 Fixtures per pole @ 180°

				Max. Recommended Pole-spacing	2 Fixtures per p	ole @ 180°
Luminaire	Lamp Type	Lamp Lumens	Mounting Height	XxY	Footcandles	Lux
BAA-W16-H-T3	100W MH	8,100	10' (3.0 m)	60' (18.3 m) x 40' (12.2 m)	5.84	68
			15' (4.6 m)	90' (27.4 m) x 60' (18.3 m)	2.48	27
BAA-W16-H-T3	175W MH	12,000	15' (4.6 m)	90' (27.4 m) x 60' (18.3 m)	3.69	40
			20' (6.1 m)	120' (36.6 m) x 80' (24.4 m)	2.01	22
BAA-W16-H-T3	100W HPS	9,500	10' (3.0 m)	60' (18.3 m) x 40' (12.2 m)	7.32	79
			15' (4.6 m)	90' (27.4 m) x 60' (18.3 m)	2.94	32
BAA-W16-H-T3	150W HPS	16,000	15' (4.6 m)	90' (27.4 m) x 60' (18.3 m)	4.95	53
			20' (6.1 m)	120' (36.6 m) x 80' (24.4 m)	2.64	28





North Elevaton



South Elevation



Linden Park Elementary School

INEST

BICYCLE PARKING (1 PER 10 FACULTY & STUDENTS ABOVE THE 2ND GRADE):

SPACES REQUIRED

\$2 (330 STUDENTS, 90 STAFF)

SPACES PROVIDED

\$9 (48 STUDENTS, 11 STAFF)

PARKING SPACES (ONE PARKING SPACE FOR EVERY TWO (2) EMPLOYEES):

SPACES REQUIRED

45 TOTAL TOTAL STUDENTS TOTAL BUILDING OCCUPANTS: SECOND FLOOR STAFF

39,688 S.F. 89,849 S.F.

90 740

M-F 6:00 A.M. TO 10:00 P.M. 95 (5 ACCESSIBLE, INCLUDING 1 VAN) 22 (1 ACCESSIBLE) 8.3 ACRES

HOURS OF OPERATION: SITE ACREAGE:

SPACES PROVIDED

FACULTY/STAFF

LOCATION MAP

LINDEN PARK ELEMENTARY SCHOOL Madison Metropolitan School District

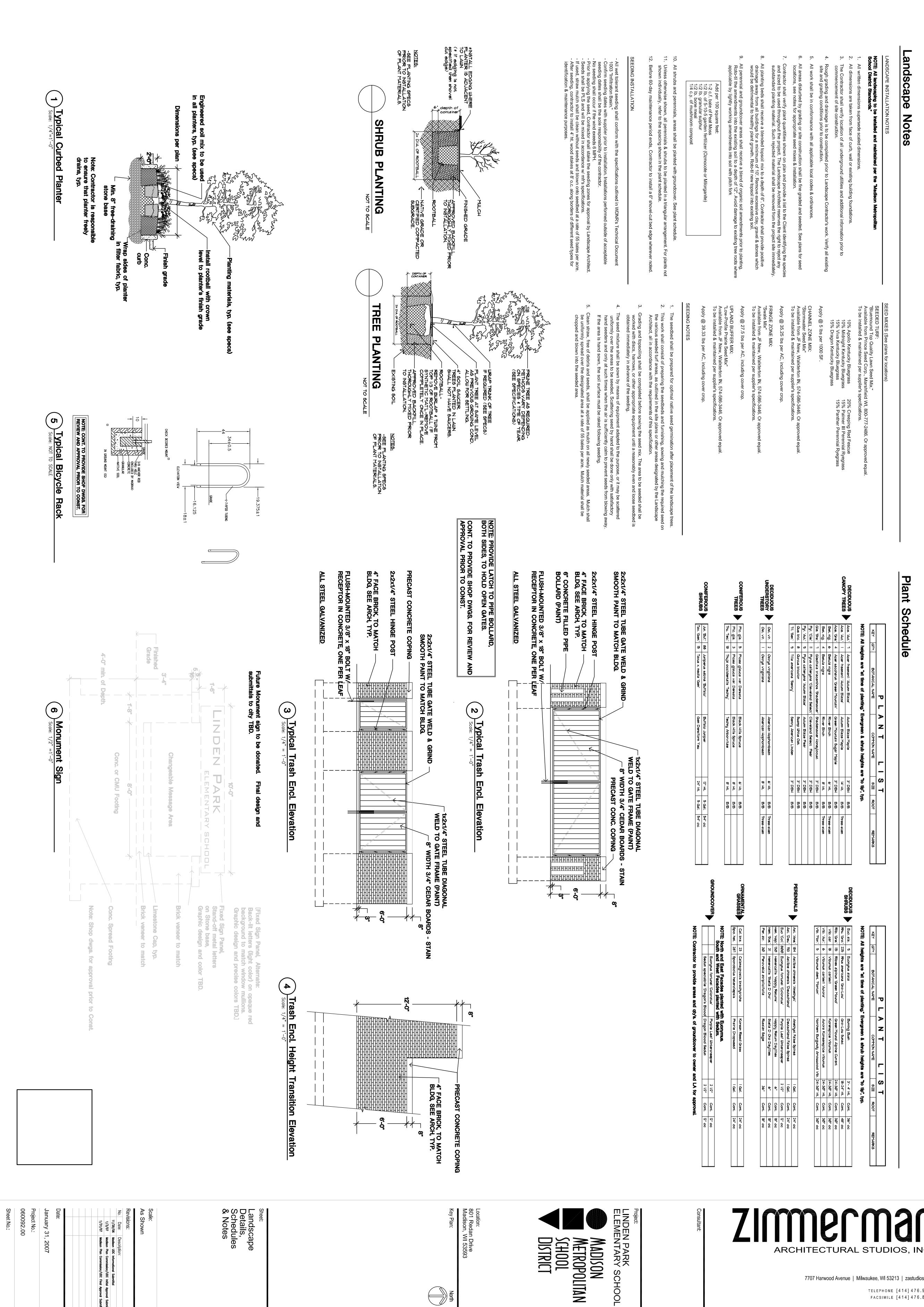


international Submittel Commission/LOC Initial Approval Submitte Commission/LOC Final Approval Submitte

Location Plan

060092.00 Project No.:

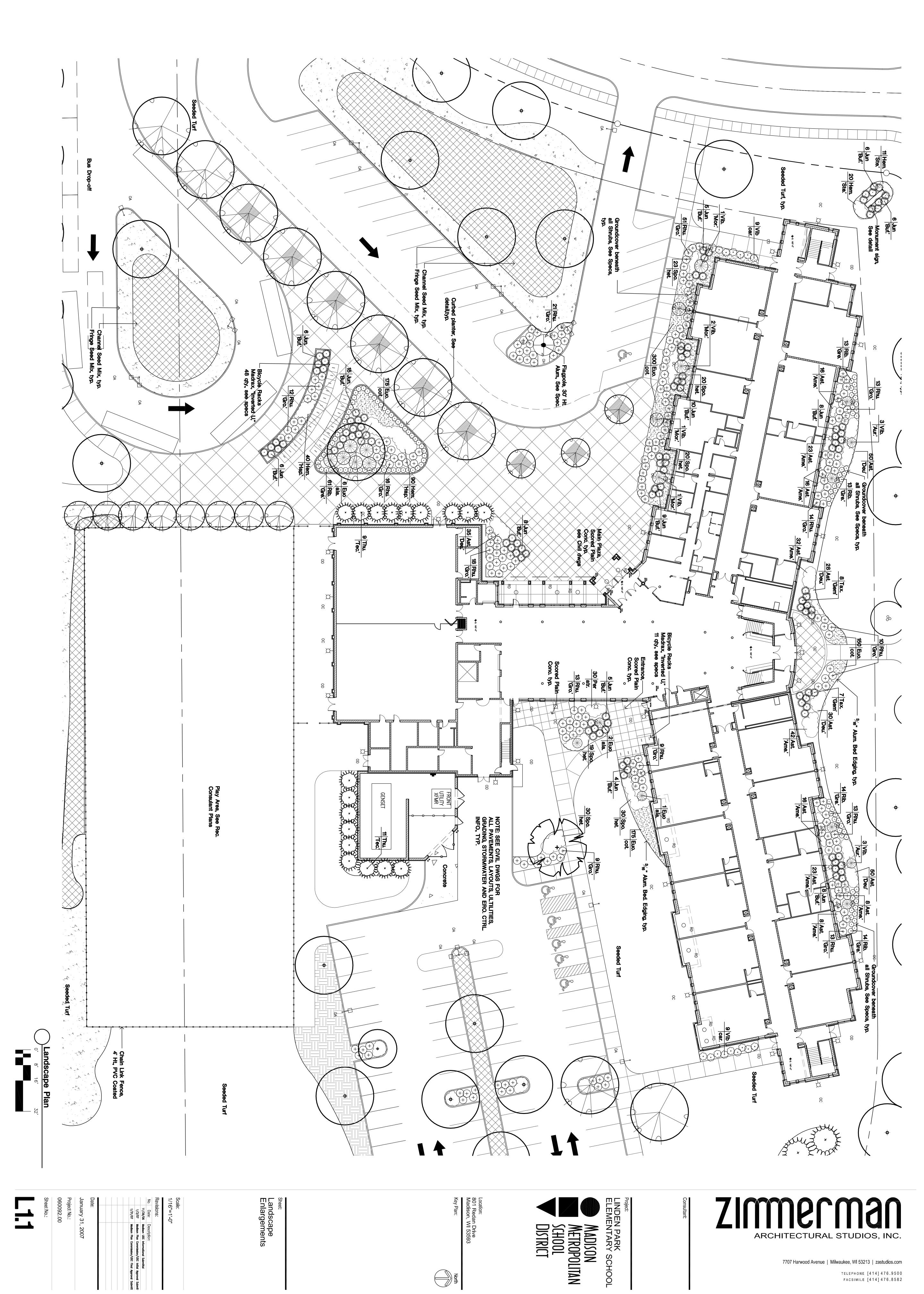
January 31, 2007

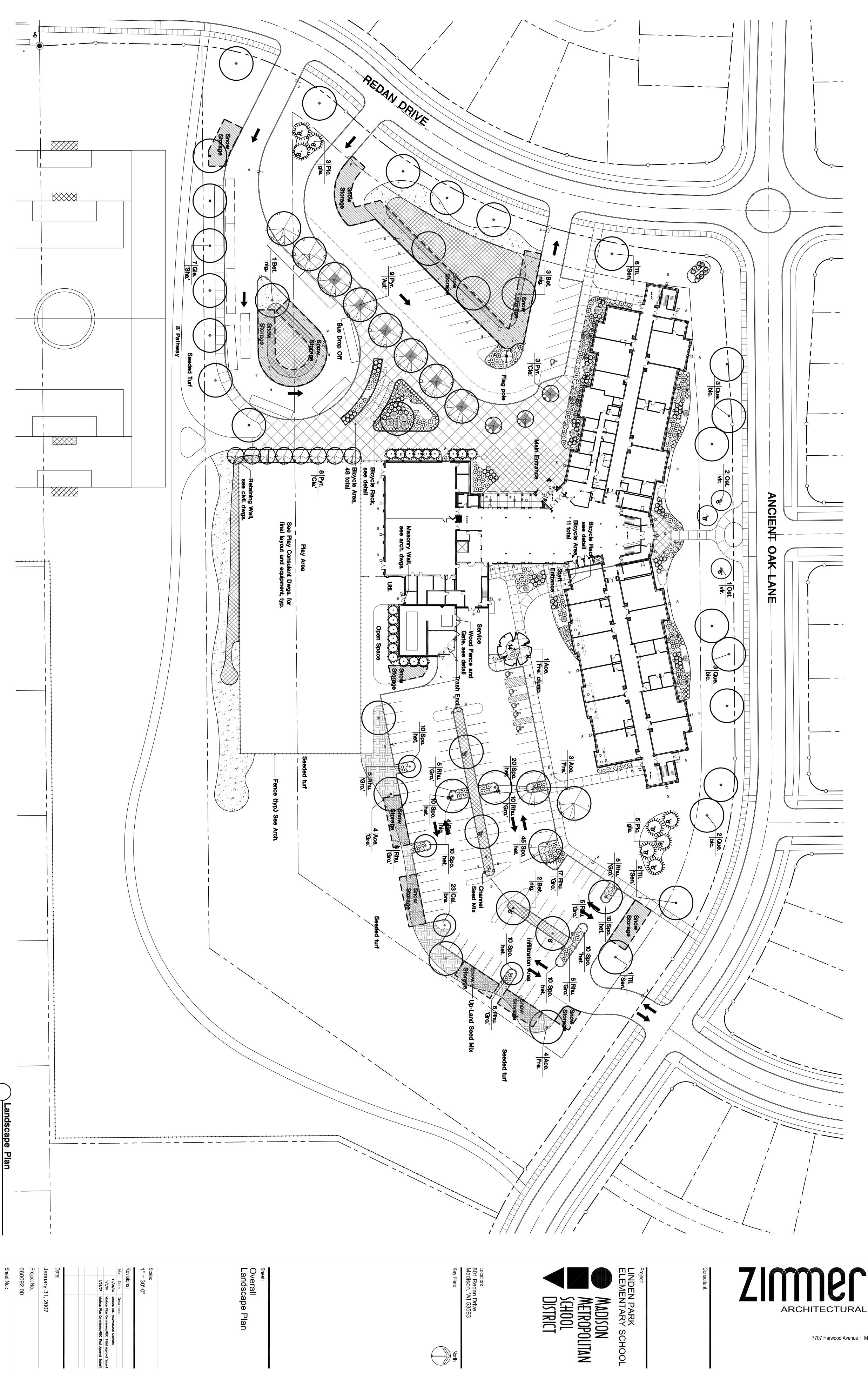


ARCHITECTURAL STUDIOS, INC.

7707 Harwood Avenue | Milwaukee, WI 53213 | zastudios.com

TELEPHONE [414] 476.9500 FACSIMILE [414] 476.8582





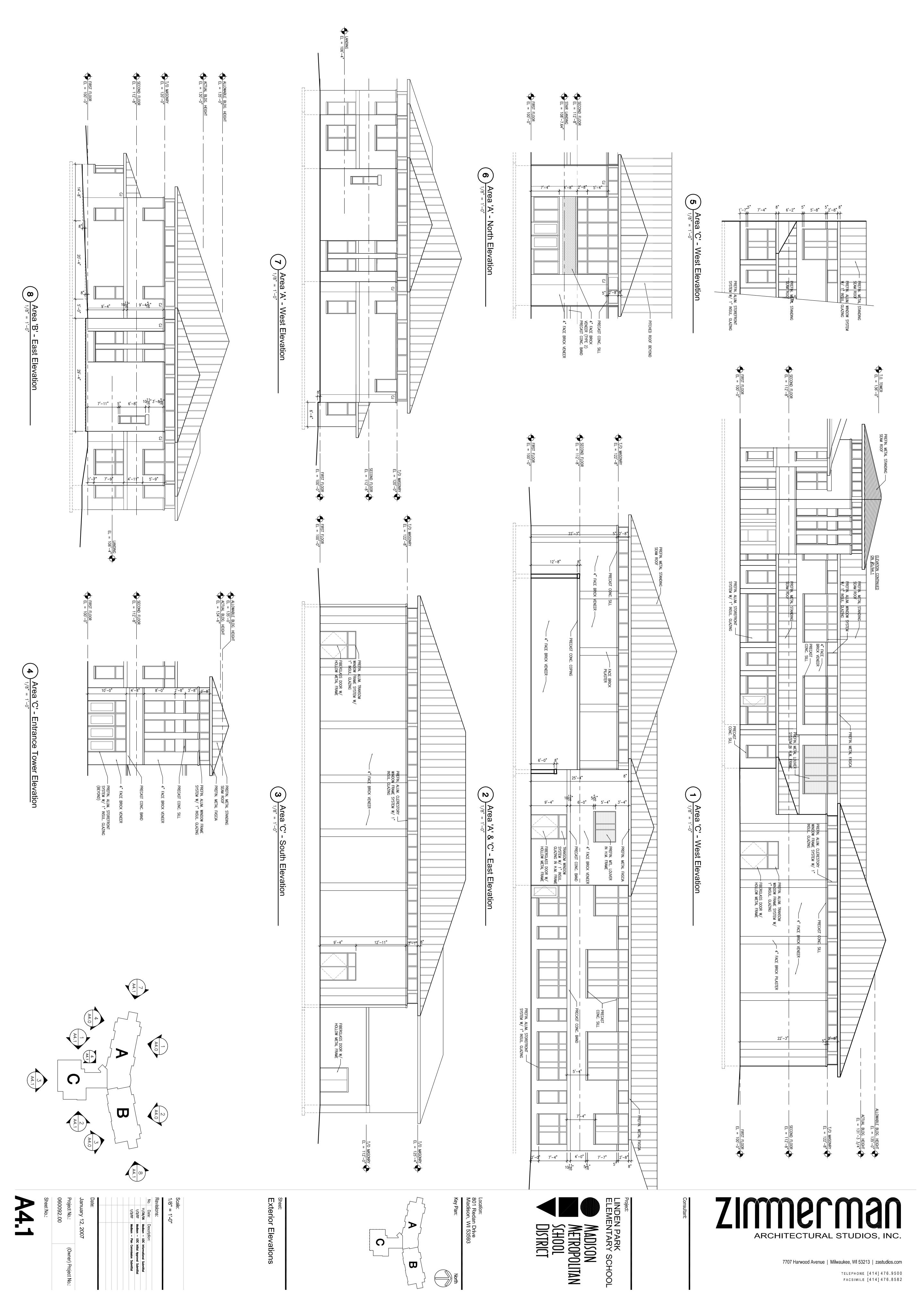
Project No.: 060092.00
Sheet No.: January 31, 2007 Sheet:
Overall
Landscape Plan

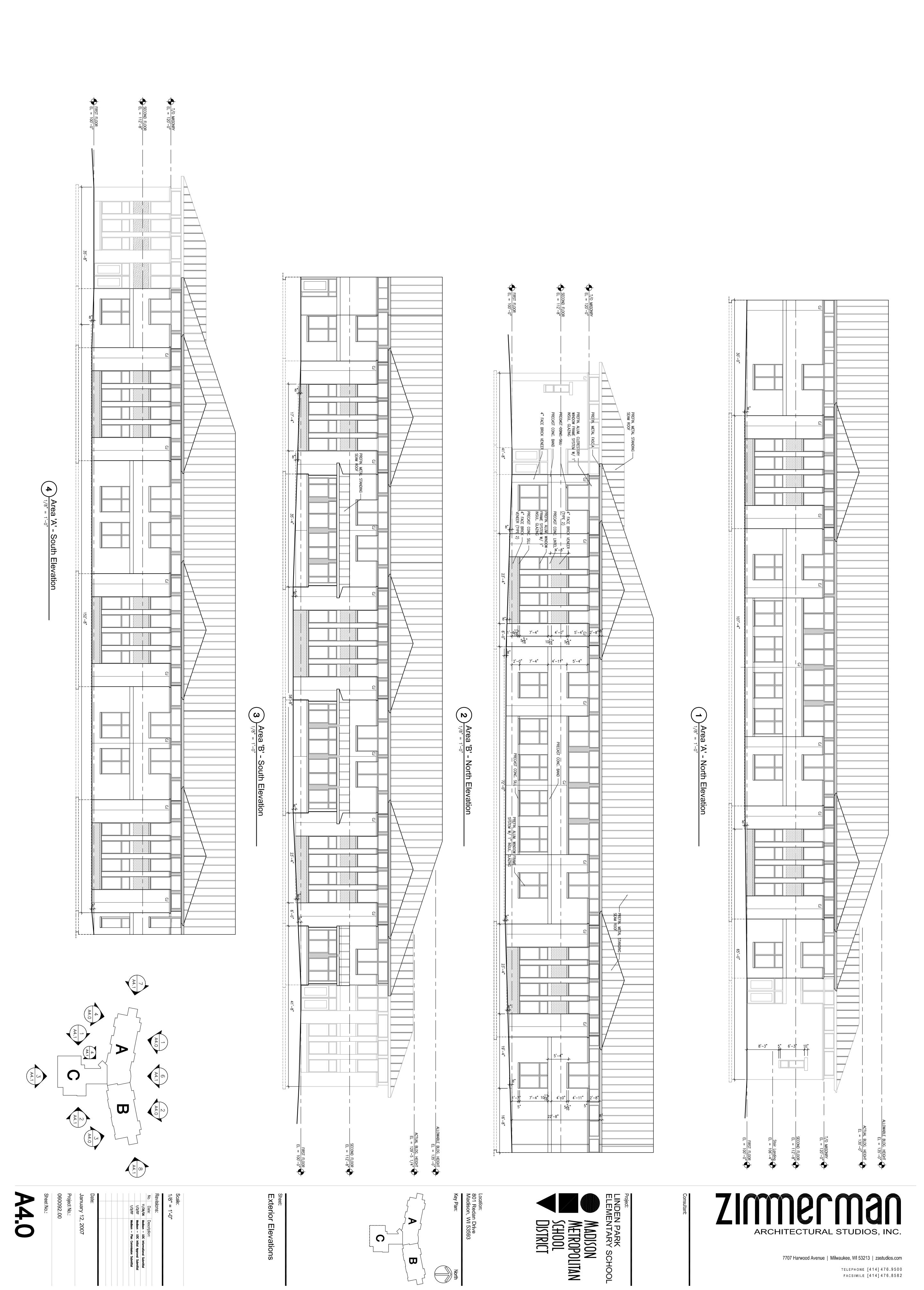
North

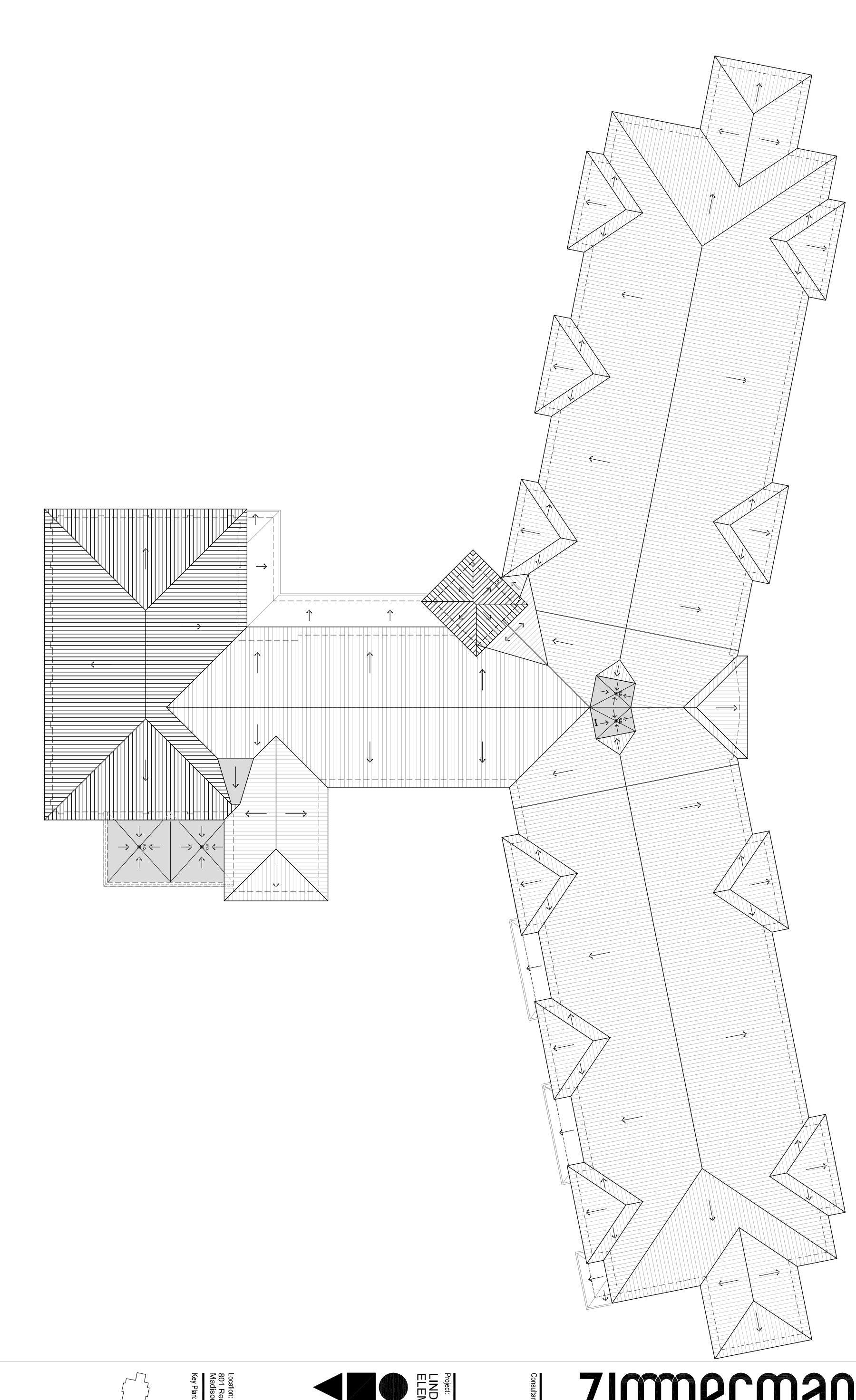
LINDEN PARK
ELEMENTARY SCHOOL MADISON METROPOLITAN SCHOOL DISTRICT

ARCHITECTURAL STUDIOS, INC.

7707 Harwood Avenue | Milwaukee, WI 53213 | zastudios.com TELEPHONE [414] 476.9500 FACSIMILE [414] 476.8582

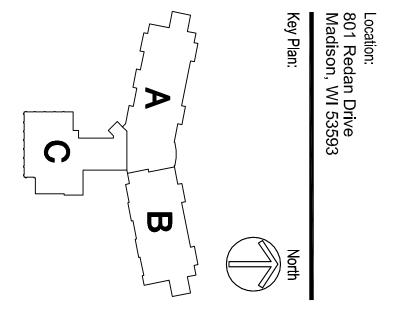


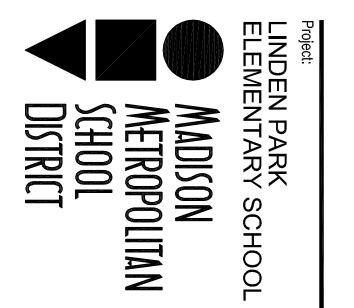




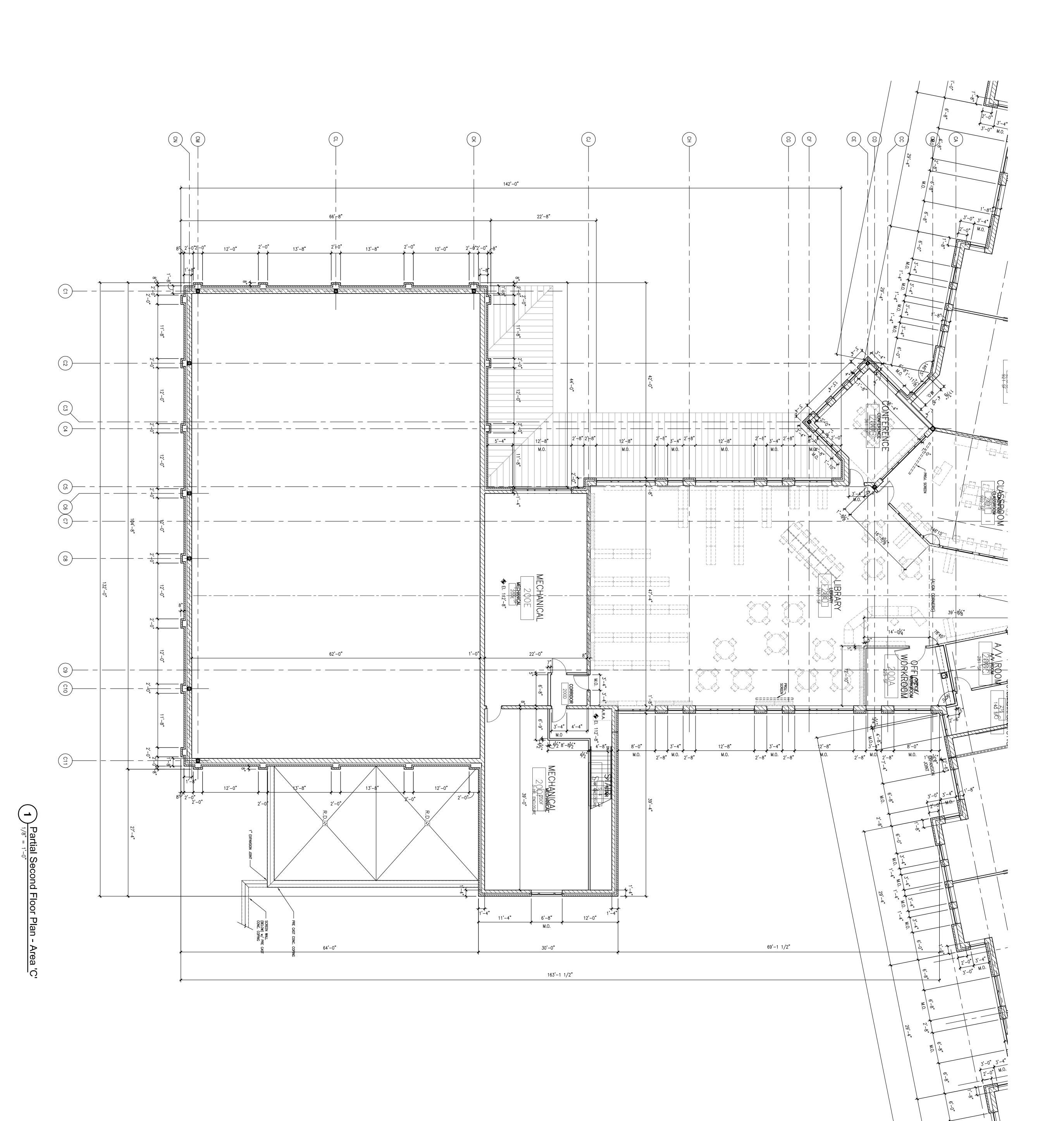
Project No.: 060092.00 Sheet No.: January 31, 2007 Date: Description:
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 1/3/07 Madison Plan Commission/UDC Initial Approval Submittal
 1/31/07 Madison Plan Commission/UDC Final Approval Submittales



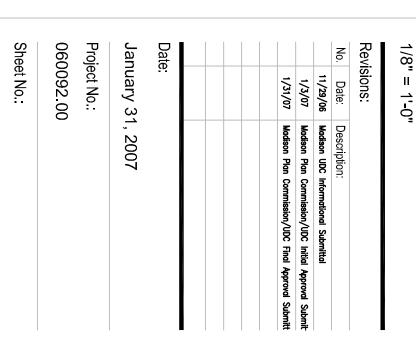




ARCHITECTURAL STUDIOS, INC.

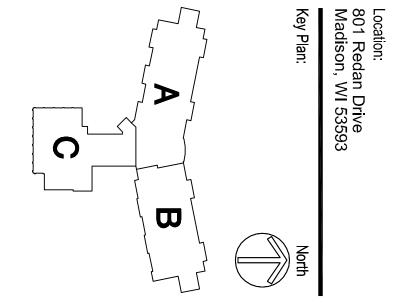


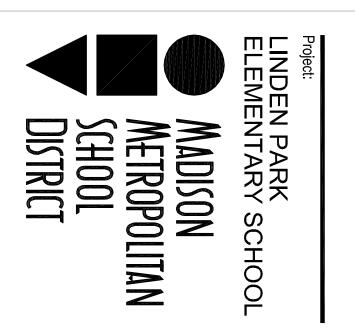


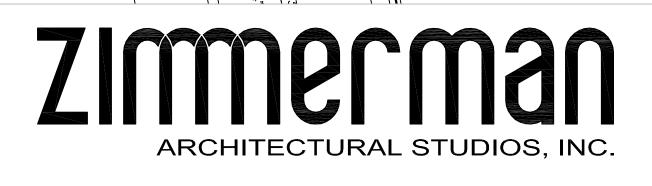




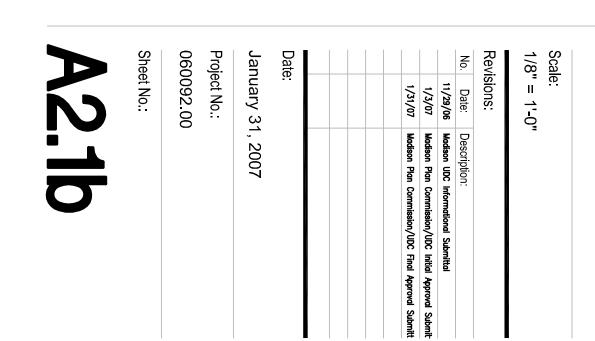
Sheet: Partial Second Floor Plan-Area 'C'

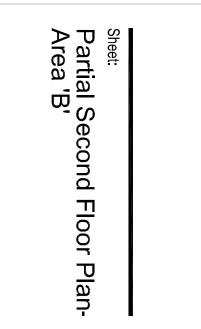


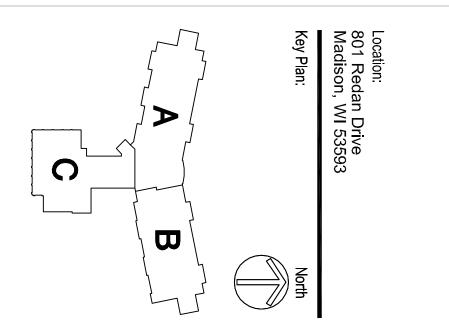


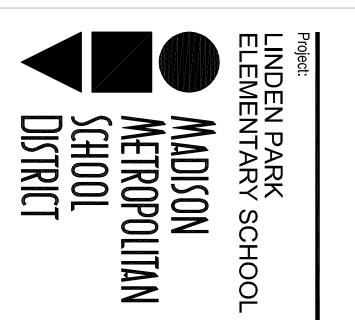




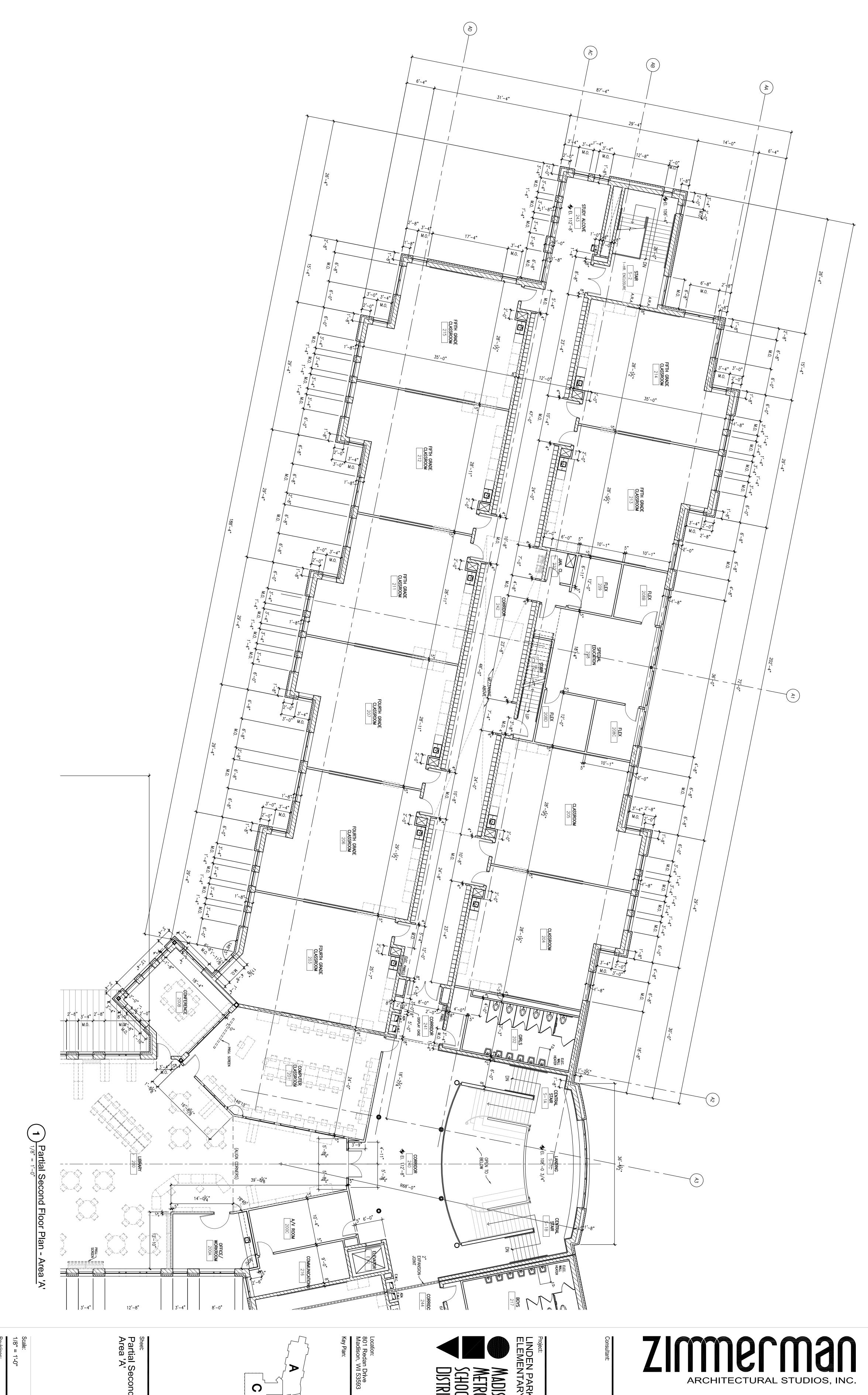




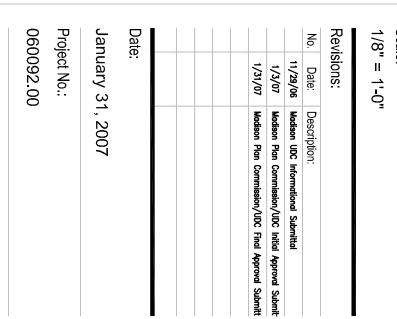




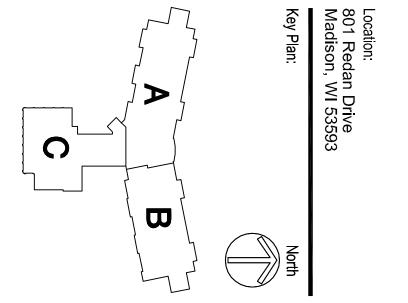


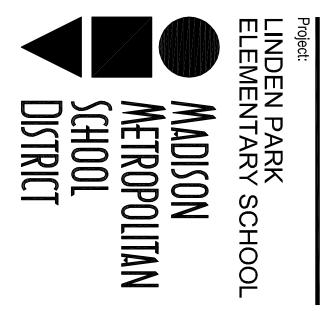




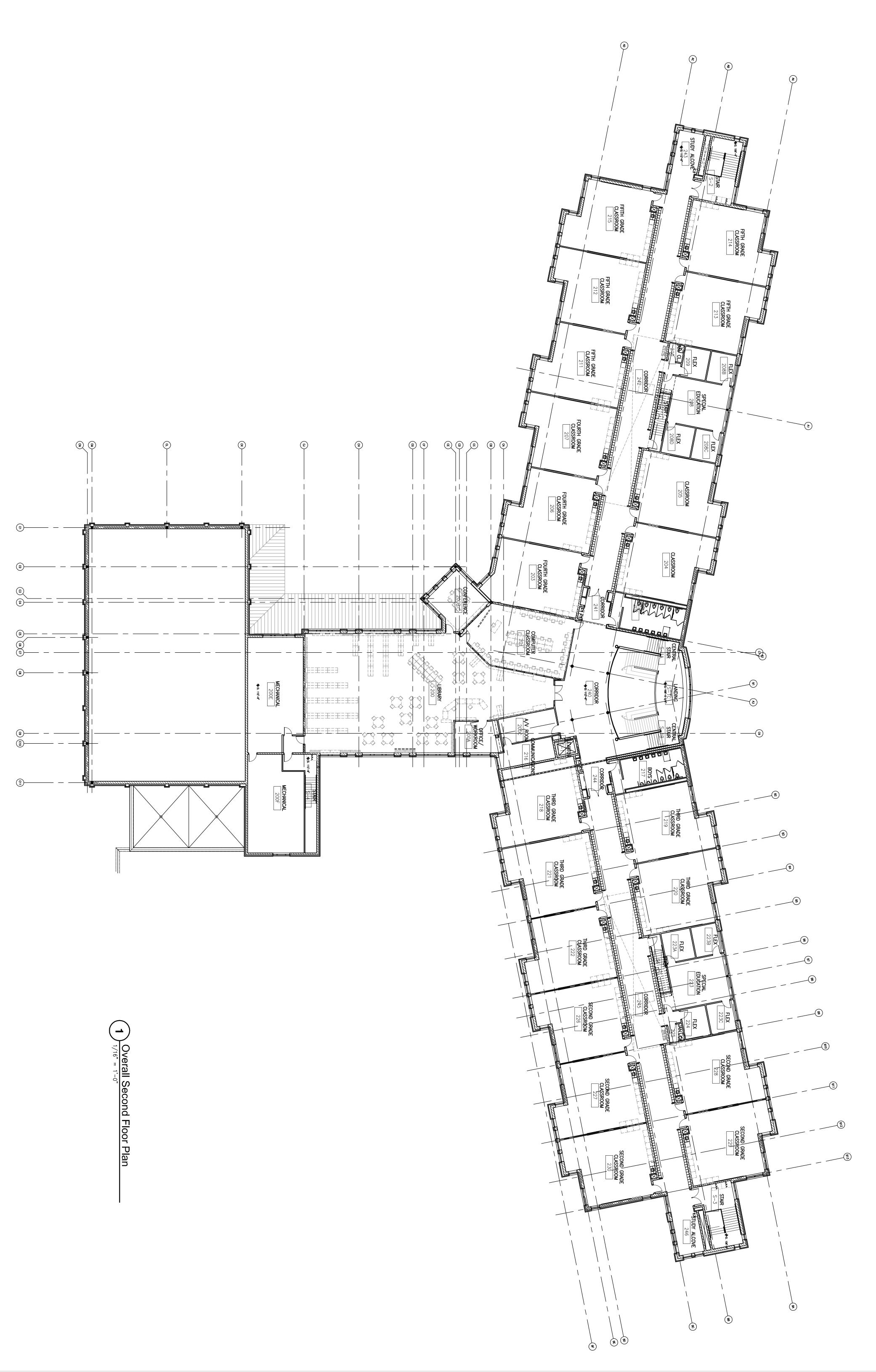


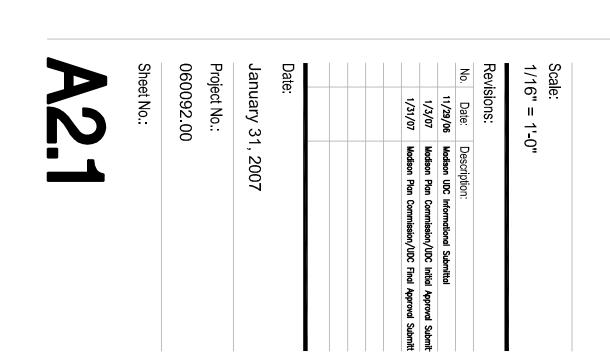


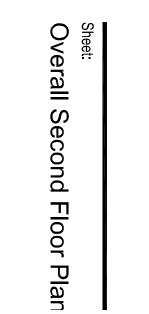


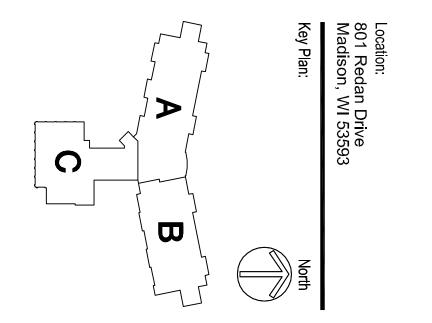


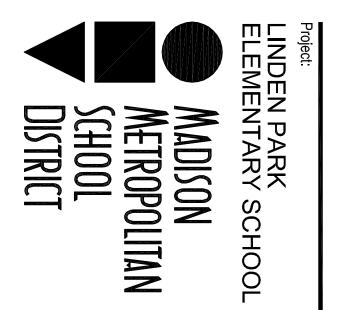
7707 Harwood Avenue | Milwaukee, WI 53213 | zastudios.com TELEPHONE [414] 476.9500 FACSIMILE [414] 476.8582



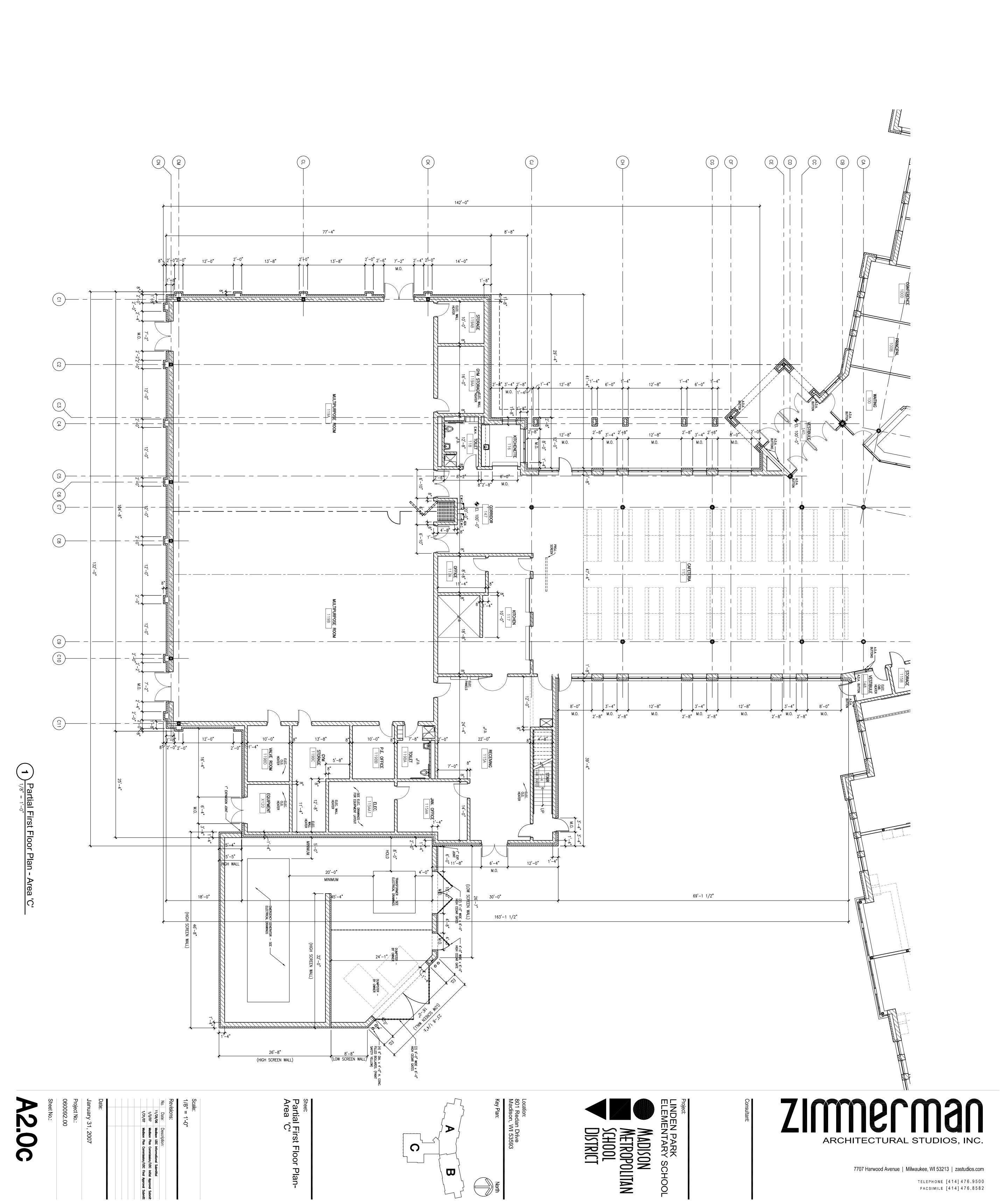












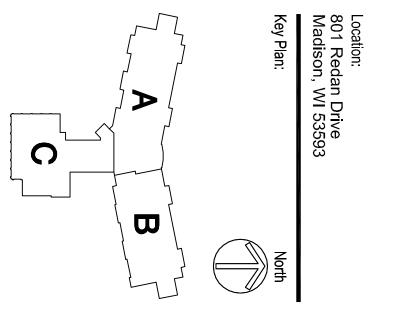


Scale:
1/8" = 1'-0"

Revisions:

No. Date: Description:
11/29/06 Modison UDC Informational Submittal
1/3/07 Modison Plan Commission/UDC Initial Approval Submitt
1/31/07 Modison Plan Commission/UDC Final Approval Submi











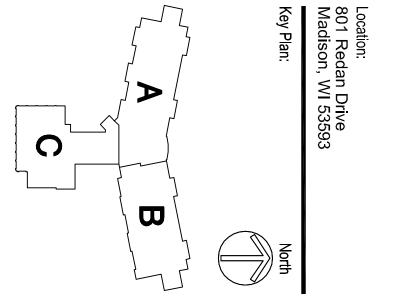
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Sheet No.: A2.0a January 31, 2007 Date: Description:

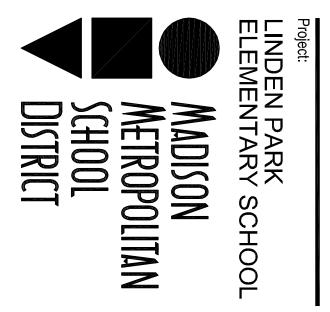
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1/3/07 Madison Plan Commission/UDC Initial Approval Submitt

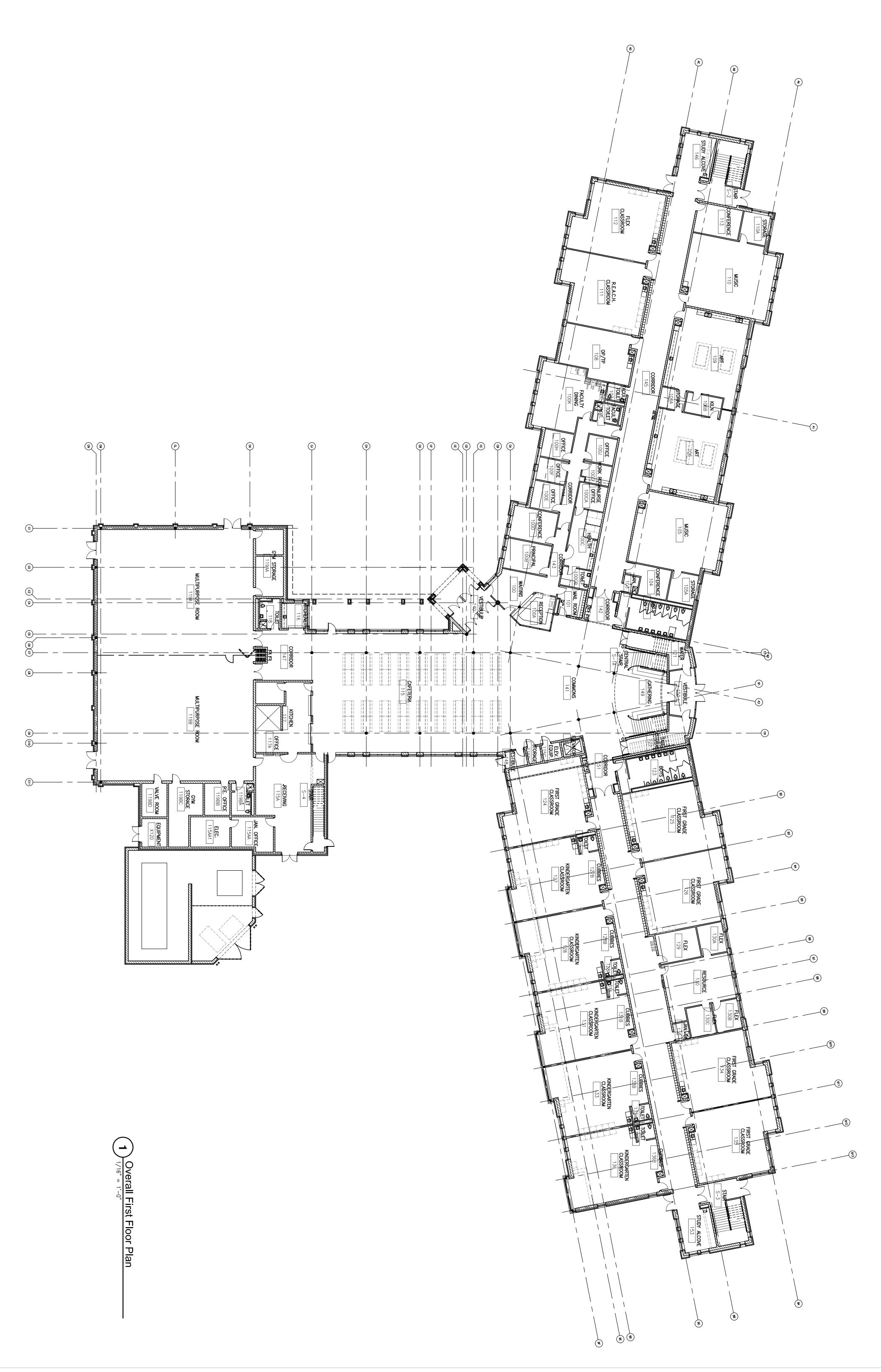
1/31/07 Madison Plan Commission/UDC Final Approval Submitt

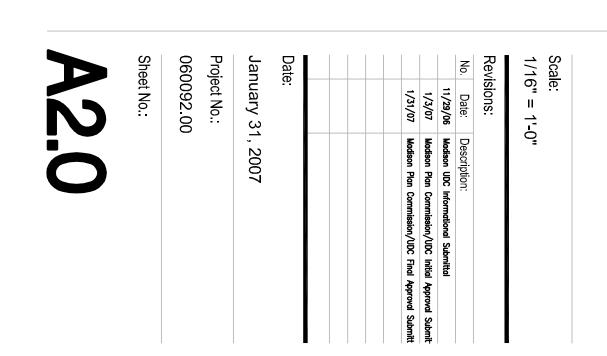




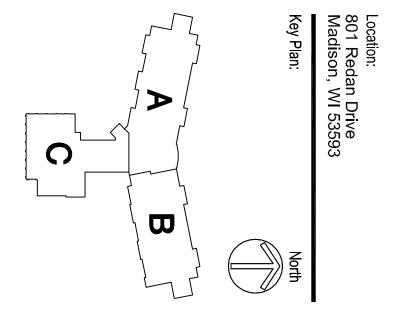


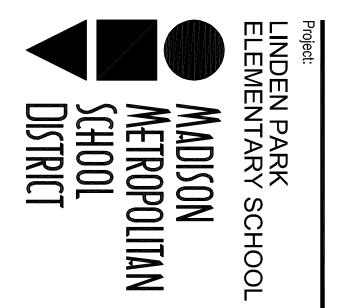
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ARCHITECTURE | ENGINEERING | INTERIORS | PLANNING | LANDSCAPE ARCHITECTURE

7707 Harwood Avenue | Milwaukee, WI 53213 | zastudios.com

TELEPHONE FACSIMILE

[414] 476-9500 [414] 476-8582

TRANSMITTAL

ТО	Secretary	URGENT	0
COMPANY	Planning & Development Office 215 Martin Luther King Jr. Blvd Rm. LL100 Madison, WL 53703	FOR REVIEW FOR COMMENT FOR YOUR USE	✓ 0
	Madison, WI 53703	AS REQUESTED FOR YOUR FILES	
PROJECT NAME	Madison Metropolitan School District Linden Park Elementary School 801 Redan Drive Verona, WI 53593		
PROJECT NUMBER	060092.00		
DATE	January 31, 2007		

NOTES / COMMENTS

Secretary,

Please find attached our Final Approval submittal for the February 7th UDC meeting. This submittal includes:

- (1) Copy UDC Application Form
- (14) Copies Letter of Intent
- (14) Copies 11x17 Presentation drawings
- (14) Copies Exterior Light Fixture Cut Sheets)
- (1) Disk .PDF files of 11x17 presentation drawings

VERY TRULY YOURS: Mark Wershay Project Manager

Direct Phone: 414.918.1331

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENTS NAMED ABOVE. THIS MESSAGE MAY BE AN ATTORNEY/CLIENT COMMUNICATION, AND AS SUCH IS PRIVILEGED AND CONFIDENTIAL. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR ANY AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THE DOCUMENT IN ERROR, AND THAT ANY REVIEW, DISSEMINATION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US BY MAIL. THANK YOU.



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Letter of Intent For:

Linden Park Elementary School 801 Redan Drive Madison, WI

January 31, 2007

Summary

Linden Park Elementary will be a newly constructed school within the Veridian Homes Neighborhood Development of the same name. The school will be home to 650 students in five classes per grades K-5. This project will utilize sustainable energy in the form of cool daylighting, geothermal heating/cooling and wind generation that will contribute to a LEED Silver Certification.

Legal Description of Property: Outlot 22 of Linden Park Development Construction Schedule: April 2007 thru August 2008 **Project Contacts:** Following Page **Building Use:** New Elementary School Total Building Gross Sq. Ft.: First Floor 50,161 s.f. Second Floor 39,688 s.f. Total 89,849 s.f. **Total Building Occupants:** Students 650 Staff 90 740 Total Bicycle Parking (1 Per 10 Staff & Students above the 2nd grade): Spaces Required 42 (330 Students, 90 Staff) Spaces Provided 59 (48 Students, 11 Staff) Parking Spaces (One parking space for every two (2) employees): Spaces Required 45 Spaces Provided 117 Faculty/Staff 95 (5 accessible, including 1 van)

Trash removal will be via garbage/recycling service.

Snow will be plowed and remain on site.

Visitor

Hours of Operation:

Site Acreage:

Maintenance equipment will be stored within the building proper.

22 (1 accessible)

8.3 acres

M-F 6:00 a.m. to 10:00 p.m.

Project Contacts

Owner Madison Metropolitan School District

545 West Dayton Street Madison, WI 53718

Owner Representative Doug Pearson, CFM, CEM

Director of Building Services

4711 Pflaum Road Madison, WI 53718

608.204.7909 fax 608.204.0373

Owner Project Manager Rick Hopke, P.E.

Coordinator of Facilities Engineering 608.204.7912 fax 608.204.0373

<u>Surveyor</u> STS Consultants

2821 Dairy Drive, Suite 5 Madison, WI 53718

608.222.7231 fax 608.222.3765

000.222.7231 18X 000.222.3703

Project Engineer Matthew D.Emrick, P.E.

<u>Architect</u> Zimmerman Architectural Studios

7707 Harwood Avenue Milwaukee, WI 53213

414.476.9500 fax 414.476.8582

Project Architect Doug Barnes, AIA, REFP

414.918.1461 Mark Wershay

414.918.1331

Landscape Architect Tom DiSalvo, ASLA

Project Manager

414.918.1454

Engineer Harwood Engineering Consultants, Ltd.

7420 W. State Street Wauwatosa, WI 53213

414.475.5554 fax 414.475.5698

Civil Thomas B. Olejniczak, P.E., LEED AP

414.918.1240

Structural Conrad Ettmayer, P.E.

414.918.1220

Plumbing Patrick Geraghty, D.E., CIPE

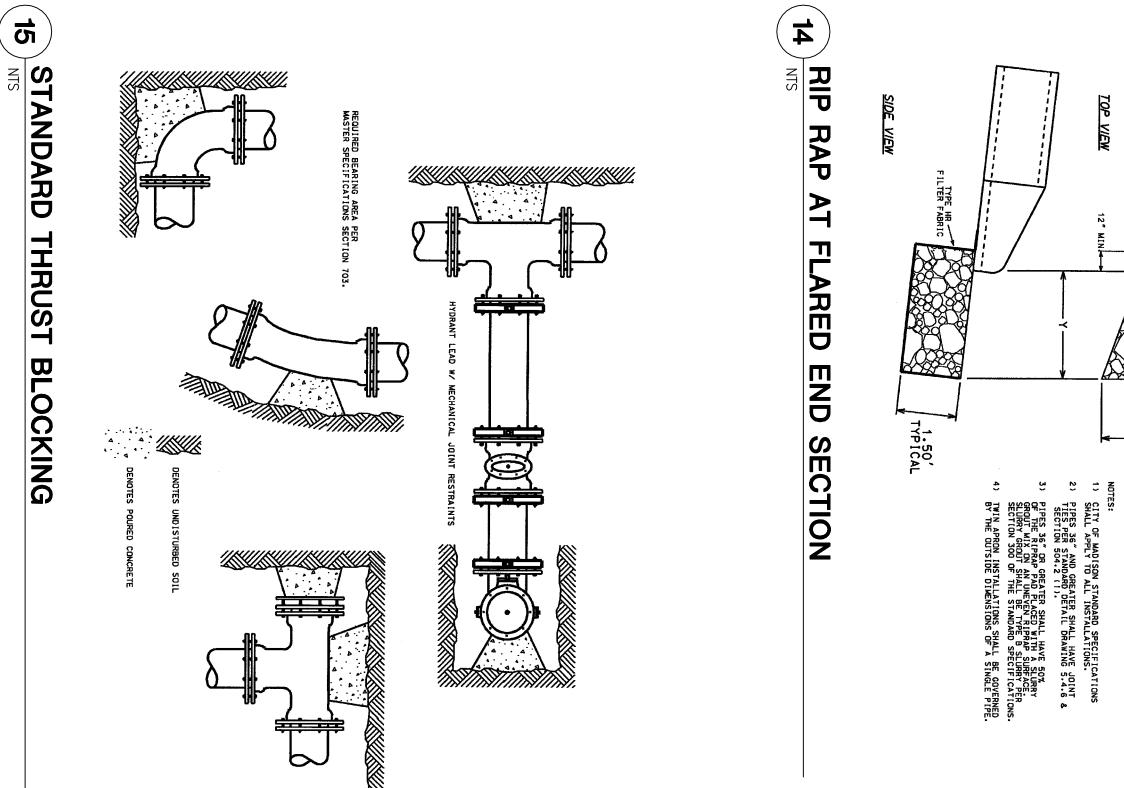
414.918.1232

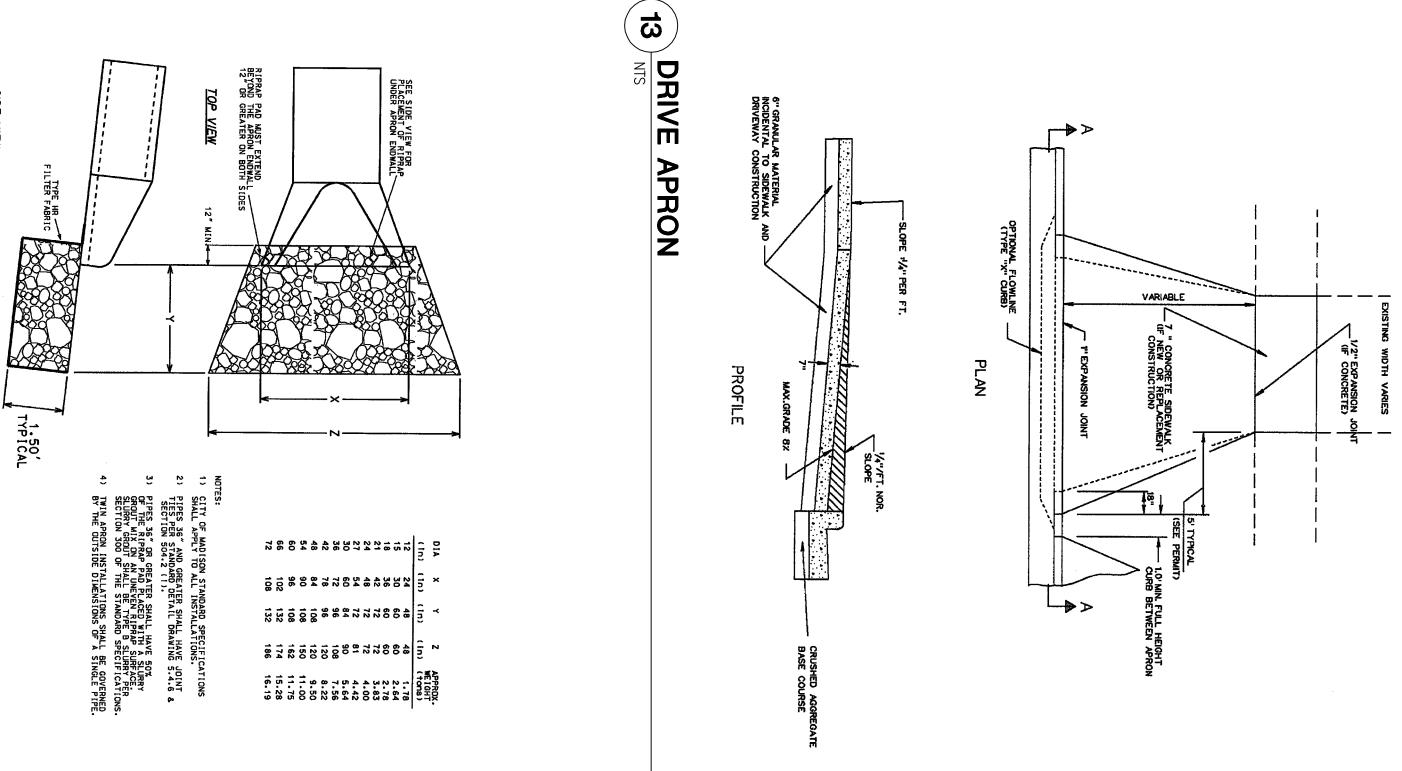
Mechanical Robert Bueches, D.E., LEED AP

414.918.1237

Electrical Tom Peterson, P.E.

414.918.1225





HARWOOD

ENGINEERING

CONSULTANTS, LT

7420 West State Street Milwaukee Wisconsin 532
414.475.5554 414.475.5698 fax harwood@hecl.co
HEC Project Number: 06-0092.00 Telephone [414] 476.9500
Facsimile [414] 476.8582
Consultant: LINDEN PARK ELEMENTARY SCHOOL ARCHITECTURAL STUDIOS, INC. 7707 Harwood Avenue | Milwaukee, WI 53213 | zastudios.com

January 31, 2007
Project No.:
060092.00
Sheet No.: C5.11

Description:

Madison - UDC Informational Submittal

Madison - UDC Initial Approval Submittal

Madison - Plan Commission Submittal

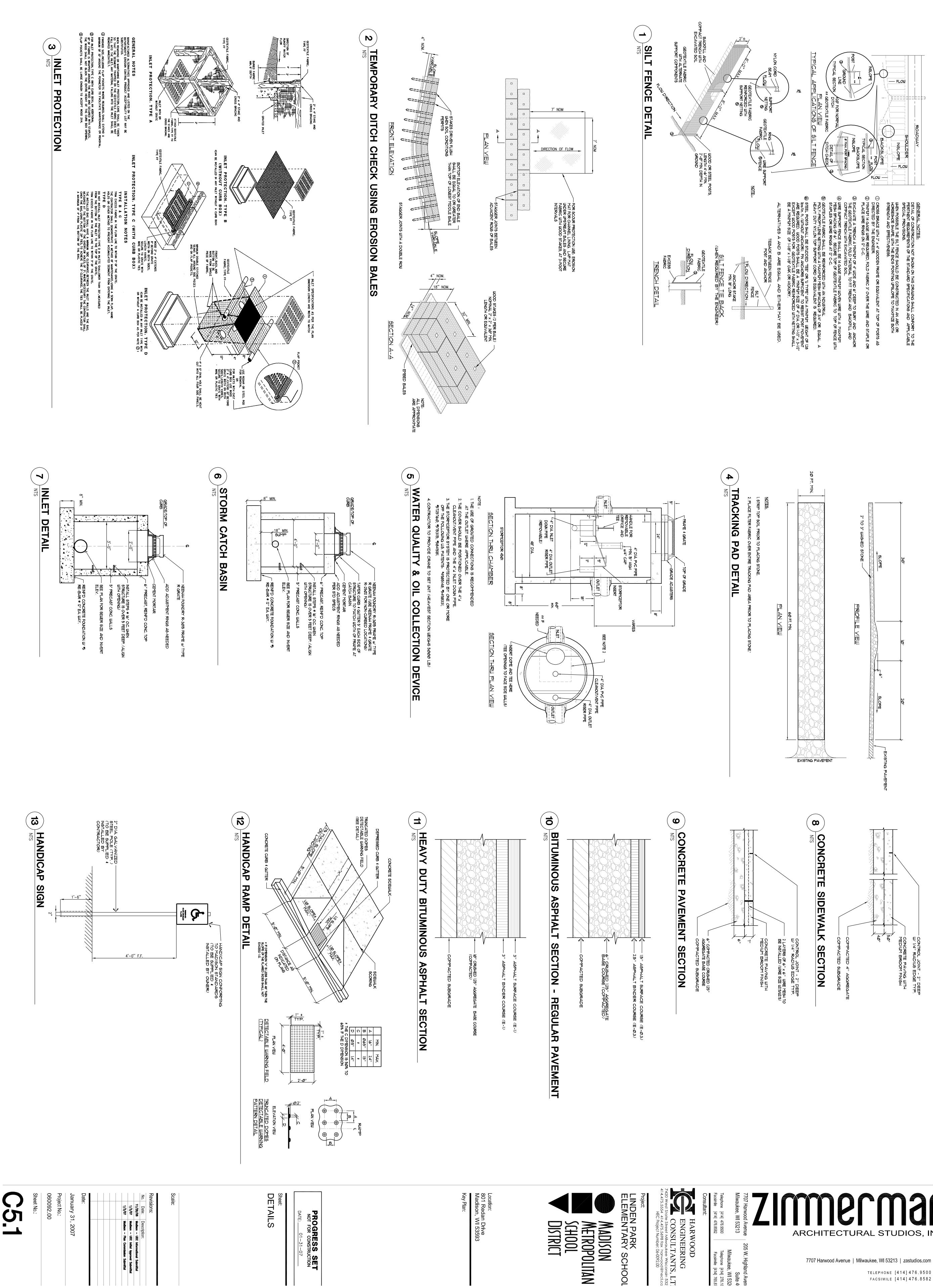
DETAILS

PROGRESS SET NOT FOR CONSTRUCTION

Location: 801 Redan Drive Madison, WI 53593 Key Plan:

MADISON METROPOLITAN SCHOOL DISTRICT

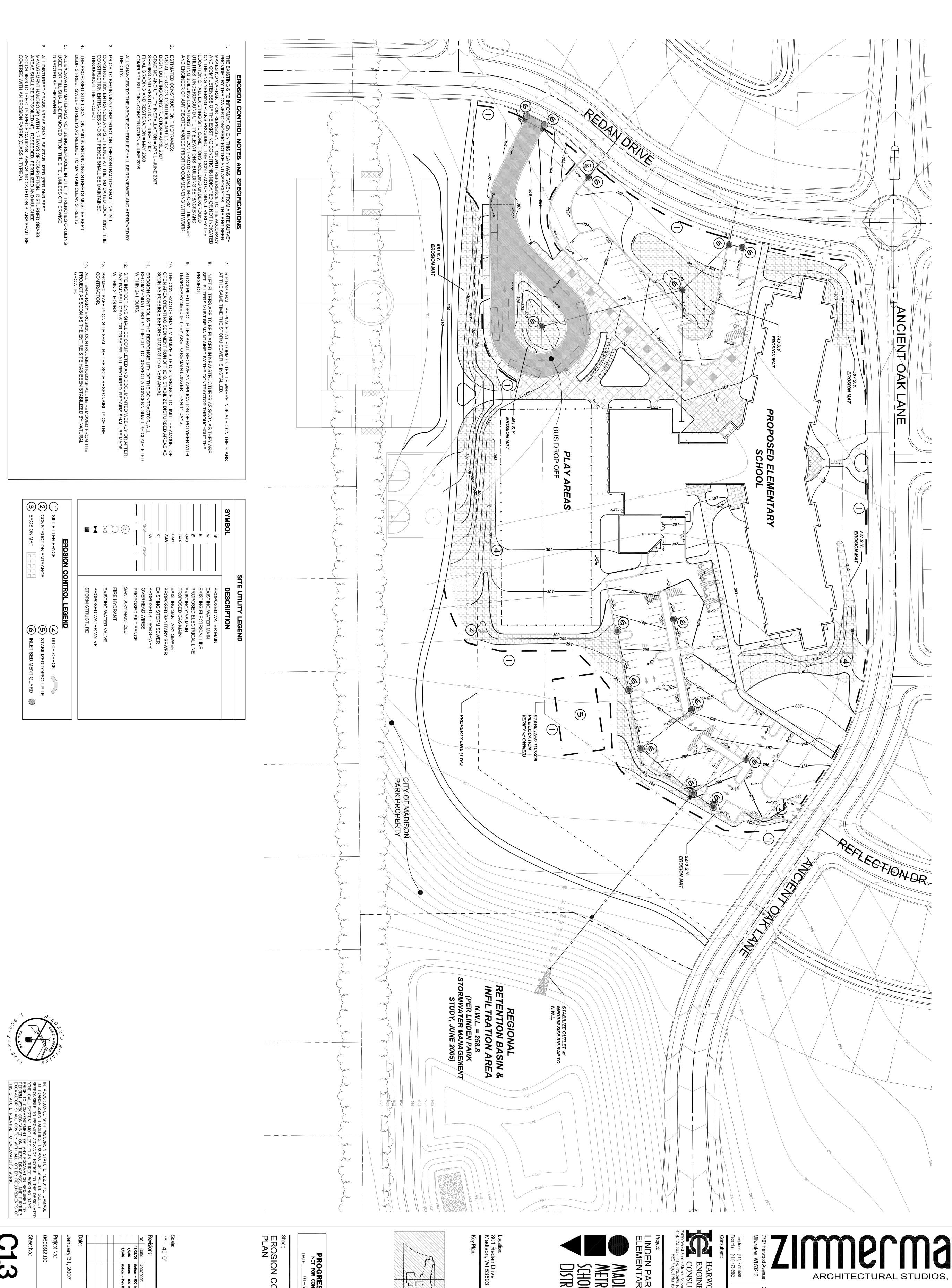
TELEPHONE [414] 476.9500 FACSIMILE [414] 476.8582



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TELEPHONE [414] 476.9500 FACSIMILE [414] 476.8582



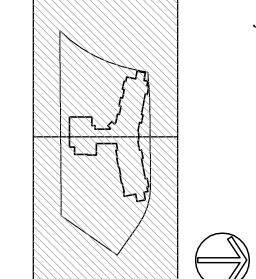
Project No.: 060092.00 January 31, 2007

Scale: 1" = 40'-0" Madison – UDC Informational Submittal

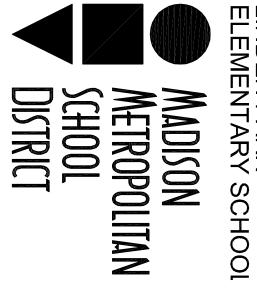
Madison – UDC Initial Approval Submittal

Madison – Plan Commission Submittal

EROSION CONTROL PLAN PROGRESS
NOT FOR CONSTRU SET







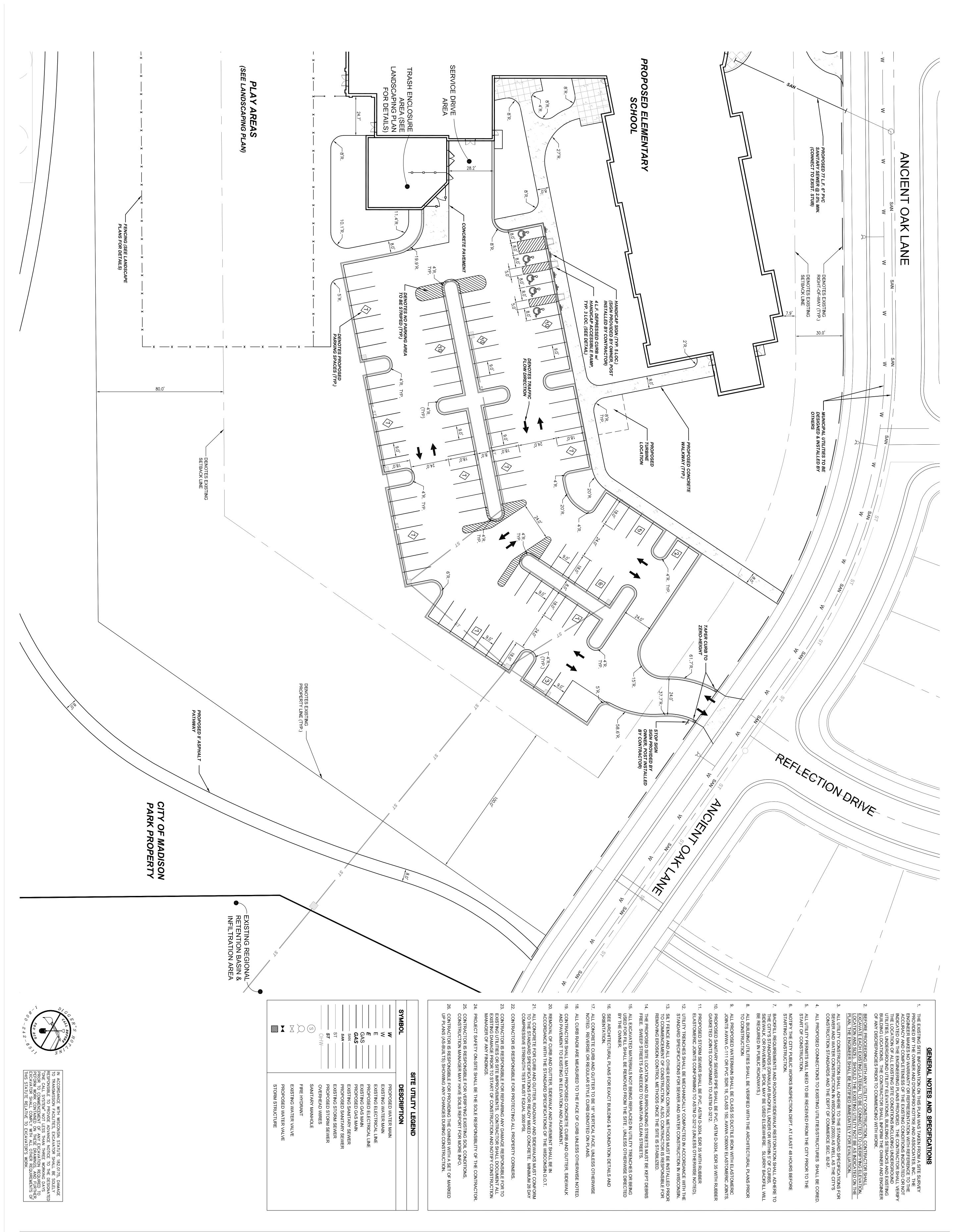
LINDEN PARK ELEMENTARY SCHOOL

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CONSULTANTS, L
7420 West State Street Milwaukee Wisconsin !
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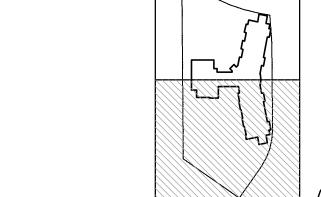
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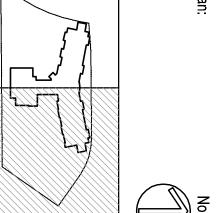
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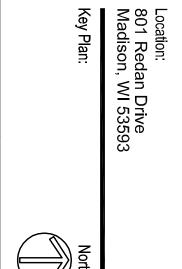
Madison - UDC Initial Approval Submittal

Madison - Plan Commission Submittal

SITE AND UTILITY PLAI - EAST AREA PROGRESS
NOT FOR CONSTRU SET









LINDEN PARK ELEMENTARY SCHOOL

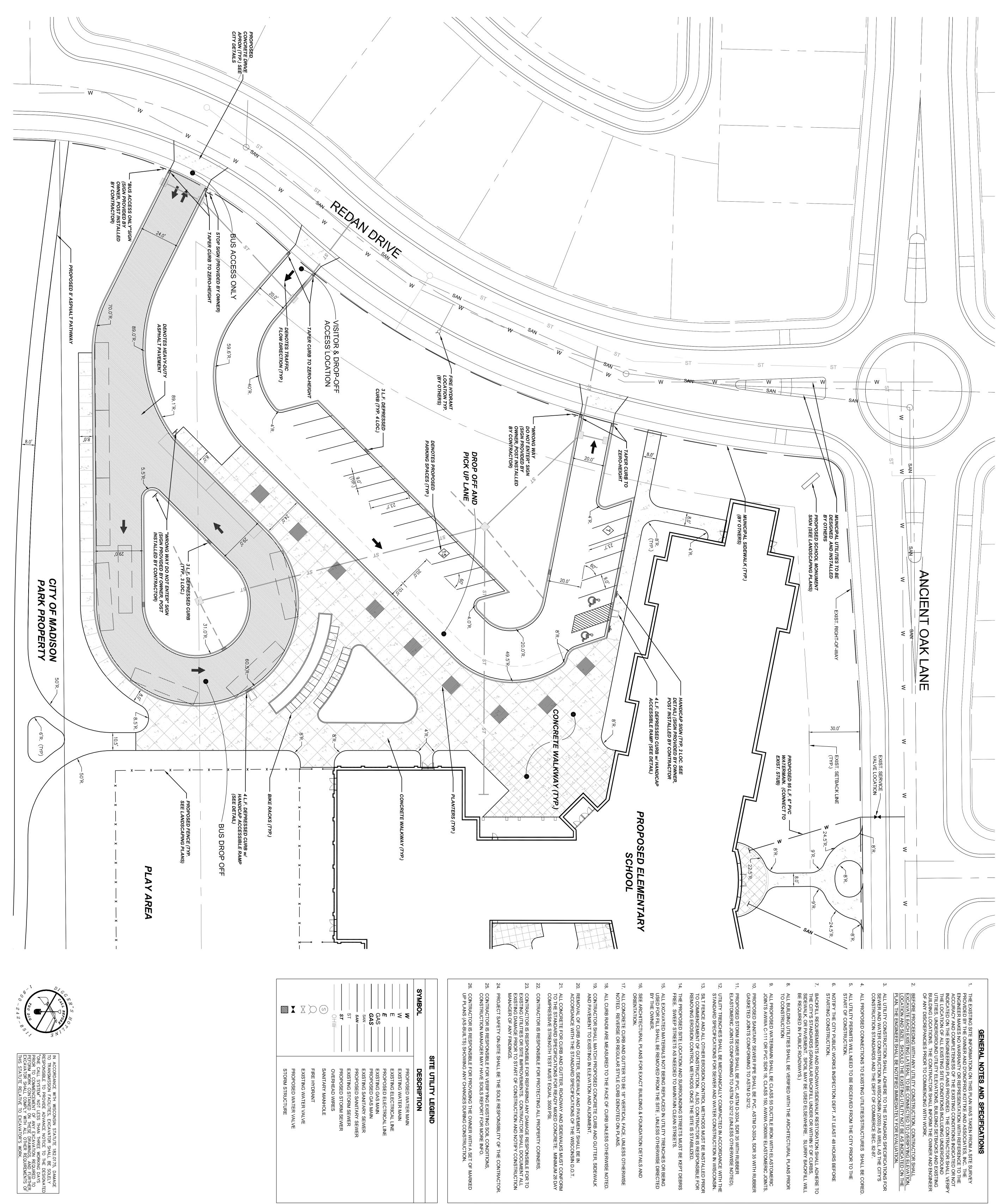
HARWOOD

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Project No.: 060092.00

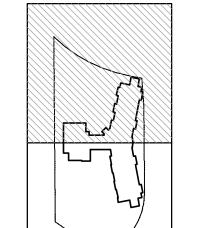
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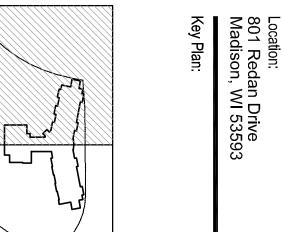
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Madison - UDC Initial Approval Submittal

Madison - Plan Commission Submittal

SITE AND UTILITY PLANUMENT SIDE PROGRESS
NOT FOR CONSTRU SET







MADISON METROPOLITAN SCHOOL

LINDEN PARK ELEMENTARY SCHOOL

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HARWOOD
ENGINEERING
CONSULTANTS, L
7420 West State Street Milwaukee Wisconsin (
414.475.5554 414.475.5698 fax harwood@hecl

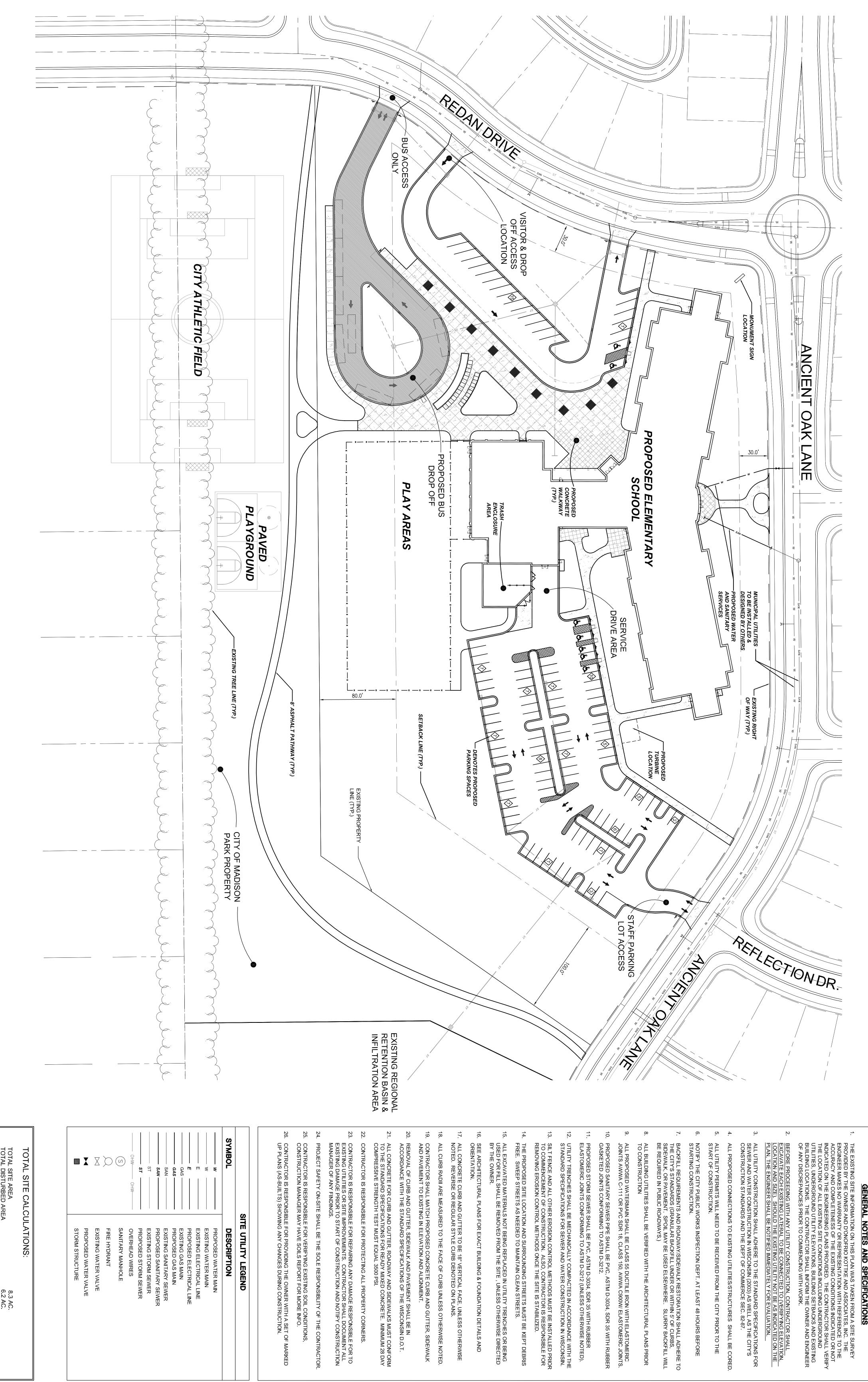
[414] 476.9500 [414] 476.8582

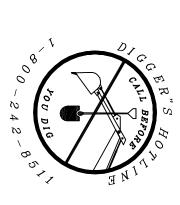
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ARCHITECTURAL STUDIOS, INC.

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Project No.: 060092.00

January 31, 2007

REGULAR PARKING SPACES HANDICAP PARKING TOTAL PARKING EXISTING IMPERVIOUS AREA
PROPOSED ADDITIONAL IMPERVIOUS
TOTAL IMPERVIOUS AREA TOTAL SITE AREA TOTAL DISTURBED AREA GREENSPACE = 4.3 AC. OR 52.7%8 3 AC 6 2 AC 0 AC 3 9 AC 3 9 AC

Scale: 1" = 40'-0"

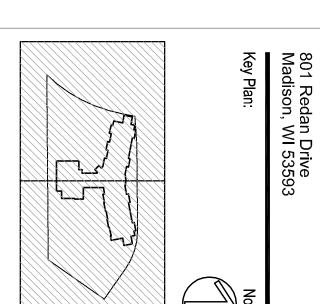
Madison - UDC Informational Submittal

Madison - UDC Initial Approval Submittal

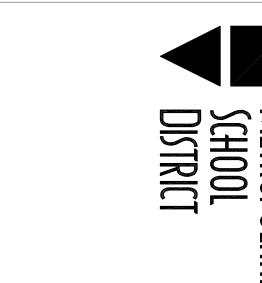
Madison - Plan Commission Submittal

	TOTAL SITE CALCULATIONS:		X	X		(S)	——— ОНИ—————————————————————————————————		TS	SAN	SAN	GAS
22 AC	;ULATIONS:	STORM STRUCTURE	PROPOSED WATER VALVE	EXISTING WATER VALVE	FIRE HYDRANT	SANITARY MANHOLE	OVERHEAD WIRES	PROPOSED STORM SEWER	EXISTING STORM SEWER	PROPOSED SANITARY SEWER	EXISTING SANITARY SEWER	PROPOSED GAS MAIN

OVERALL SITE AND UTILITY PLAN	DATE: 01-31-07	PROGRESS SET NOT FOR CONSTRUCTION



DESCRIPTION





LINDEN PARK ELEMENTARY SCHOOL

HARWOOD

ENGINEERING
CONSULTANTS, I

7420 West State Street Milwaukee Wisconsin:
414.475.5554 414.475.5698 fax harwood@hec

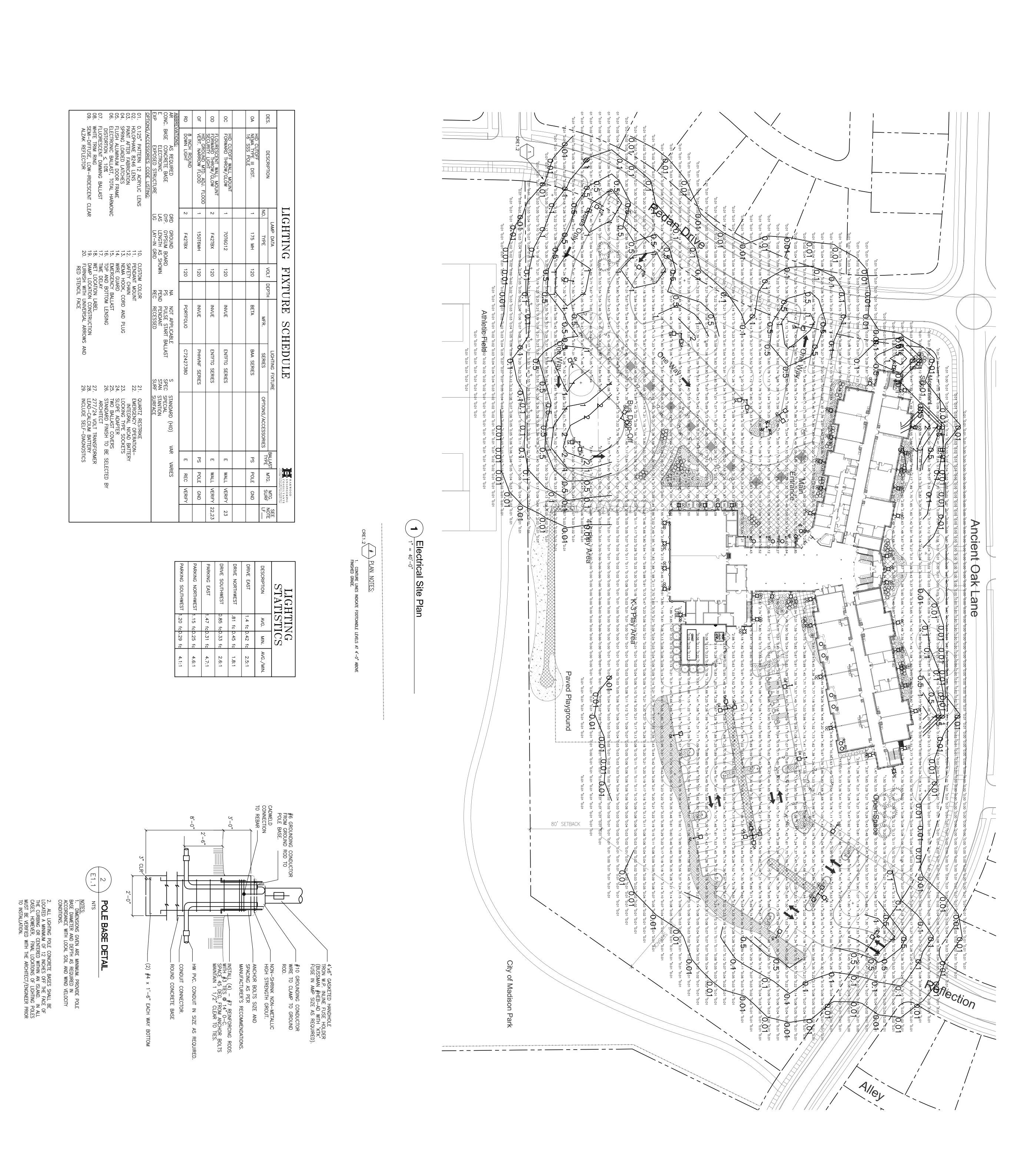
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GENERAL NOTES AND SPECIFICATIONS



060092 00

Project No.:

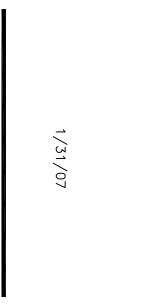
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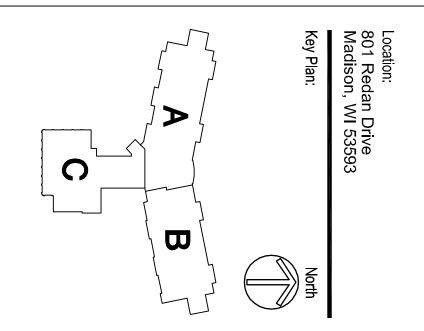
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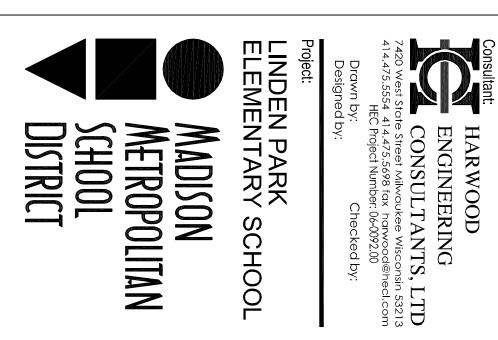
11/29/06 Modison UDC Informational Submittal
1/3/07 Modison Plan Commission/UDC Initial Approval S
1/31/07 Modison Plan Commission/UDC Final Approval S
Date:

Date:

Sheet: Electrical Site Plan









Description

Low brightness 7-3/8" aperture lens downlight for use with (2)26W, 32W, or 42W Triple Tube 4-pin compact fluorescent lamps. The deeply regressed lens provides superb shielding in comparison to shallow lenses. Reflector trim eliminates brightness at higher angles. Choice of lens types for various aesthetics. Standard features include low iridescent finish on all reflectors, and one electronic ballast to operate (2)26/32/42W triple tube 4-pin lamps. Venting ensures maximum lamp life and lumen output. Open downlight, lens, and open wall wash trims are interchangeable within the same housing.

Catalog #	Туре
Catalog #	
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Reflector

Specular clear upper Alzak® reflector for maximum light output. Positive reflector mounting, without tools, pulls trim tight to ceiling. Lower spun parabolic reflector, .050 thick aluminum, available in low iridescent clear, haze, straw, wheat, and warm haze Alzak® or painted white finish. Other finish options available upon request. Also available with white or black baffle.

B ... Lens

Top View

[356mm]

16-5/16

[414mm]

With EM Option

00

Choice of tempered fresnel prismatic, diffuse, or clear glass lenses or molded prismatic acrylic, opal diffuser or clear UV stabilized acrylic. Lens is fixed to lower reflector.

13-13/32

[341mm]

13-13/32"

[341mm]

D

E

C ... Trim Ring Options

High impact polymer with satin white finish or self flanged reflector.

D ... Socket Connector

One piece die cast aluminum connection allows venting for maximum thermal performance.

E... Housing Mounting Frame

One piece precision die cast aluminum 1-1/2" deep collar accommodates varying dimensions of ceiling materials.

F ... Universal Mounting Bracket

Accepts 1/2" EMT, C Channel, T bar fasteners, and bar hangers. Adjusts 5" vertically from above or below ceiling.

G ... Conduit Fittings

Die cast screw tight connectors.

H ... Junction Box

Listed for eight #12AWG (four in, four out) 90°C conductors feed through branch wiring. 1/2" and two 3/4" pry outs. Positioned to allow straight conduit runs. Access to junction box by removing reflector.

I ... Socket Rotary Lock

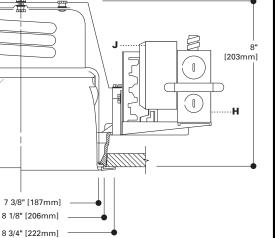
4 pin GX24q3/4 base with fatigue free stainless steel lamp spring ensures positive lamp retention.

J ... Electronic Ballast

Electronic ballast provides full light output and rated lamp life. Provides flicker free and noise free operation and starting. End of life protection is standard.

Labels

cULus listed, Wet label.





C7242 7380

(2) 26/32/42W Triple Compact Fluorescent

7-3/8" LENS DOWNLIGHT

NOTES:

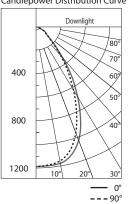
Accessories should be ordered separately.
For additional options please consult

For additional options please consult your Cooper Lighting Representative. Alzak is a registered trademark of Aluminum Company of America. Hi-Lume is a registered trademark of Lutron Co. Inc.

ORDERING INFORMATION: Complete unit consists of housing, ballast and trim.

Housing	Ballast	Options	Trims	Finish	Lens	Options	Accessories
C7242=(2)	E=120V - 277V 50/60 Hz Electronic	CP=Chicago	7380= Reflector,	LI=Low	1=Prismatic	WF=White	HB26=C Channel
26W Horizontal	3E=347V 50/60 Hz Electronic	Plenum	Polymer Trim	Iridescent	Acrylic	Painted	Bar Hanger, 26"
TTT Lamp, (2)	1D26=26W 120V Dimming, Lutron® Compact SE	option	Ring, White	Clear	2=Diffuse Acrylic	Flange (Self	Long, Pair
32W Horizontal	1D32=32W 120V Dimming, Lutron® Compact SE	2C=(2) Ballasts	7381=Reflector,	H =Haze	3=Clear	Flanged only)	HB50=C Channel Bar
TTT Lamp, (2)	1D42=42W 120V Dimming, Lutron® Compact SE	for Hi-Low	Self Flanged	S =Straw	Polycarbonate		Hanger, 50" Long, Pair
42W Horizontal	2D26=26W 277V Dimming, Lutron® Compact SE	Switching		WH=Wheat	1G=Prismatic		RMB22=Wood Joist Bar
TTT Lamp	2D32=32W 277V Dimming, Lutron® Compact SE	2CMS=2 Circuit		WMH=Warm	Glass		Hanger, 22" Long, Pair
	2D42=42W 277V Dimming, Lutron® Compact SE	Master Satellite		Haze	2G=Diffuse Glass		HSA7=Slope Adapter
	EDR26=DeRated Wattage Label, 26W	(2 housings,		W =White	3G=Clear Glass		for 7" Aperture
	EDR32=DeRated Wattage Label, 32W	order 2 trims)		BB=Black	4G=Fresnel Glass		Housings, Specify
	•	EM=Emergency		Baffle			Slope
		module with		(7380 only)			FK5=Field Installed
		remote		WB=White			Fuse Kit,
4		test switch		Baffle (7380 only)			5 Amp

Candlepower Distribution Curve



Candela	ıs	
Degree	CD	
0	1168	
5	1166	
15	1125	
25	904	
35	561	
45	249	
55	116	
65	7	
75	2	
85	0	
90	0	

Characteristics

Spacing Criteria Efficiency = 30.4	
Test No. H23498 C7242 7380Ll1 Lamp = 32W TT Lumens = 2400 26W Multiplier = 42W Multiplier =	T = 0.75
	32111

Average Luminance Cone of Light

, werage		_
Angle	0°	
45°	12350	
55°	7093	
65°	581	
75°	271	
85°	0	

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
6'0" 7'6" 8'0" 10'0" 13'0"	23 21 18 12 7	6'0" 7'6" 8'0" 10'0" 13'0"

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt		
0- 30	816	17.0	55.8		
0- 40	1147	23.9	78.5		
0- 60	1443	30.1	98.8		
0- 90	1461	30.4	100.0		
90-180	0	0.0	0.0		
0-180	1461	30.4	100.0		

Coefficients of Utilization

Ceiling		80%				70% 50% 30% 10%		70% 50% 30%			70%			10%		0%		
Wall %	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR				Z	ona	cav	ity n	neth	od	floo	r refl	ecta	nce :	= 20	%			
0	36	36	36	36	35	35	35	35	34	34	34	32	32	32	31	31	31	30
1	34	33	33	32	34	33	32	31	31	31	30	30	30	29	29	29	29	28
2	32	31	29	28	32	30	29	28	29	28	27	28	27	27	27	27	26	25
3	30	28	26	25	30	28	26	25	27	26	24	26	25	24	25	24	24	23
4	29	26	24	22	28	26	24	22	25	23	22	24	23	22	24	22	22	21
5	27	24	22	20	26	24	22	20	23	21	20	22	21	20	22	21	20	19
6	25	22	20	19	25	22	20	18	21	20	18	21	19	18	21	19	18	18
7	24	21	18	17	23	20	18	17	20	18	17	20	18	17	19	18	17	16
8	22	19	17	16	22	19	17	16	19	17	16	18	17	16	18	17	15	15
9	21	18	16	15	21	18	16	14	17	16	14	17	16	14	17	15	14	14
10	20	17	15	13	20	17	15	13	16	15	13	16	15	13	16	14	13	13

