

APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL

AGENDA ITEM # _____
Project # _____

DATE SUBMITTED: <u>9.21.05</u>	Action Requested
UDC MEETING DATE: <u>10.19.05</u>	<input type="checkbox"/> Informational Presentation
	<input checked="" type="checkbox"/> Initial Approval and/or Recommendation
	<input checked="" type="checkbox"/> Final Approval and/or Recommendation

PROJECT ADDRESS: 5501 West Beltline Highway, Madison, WI 53711

ALDERMANIC DISTRICT: _____

OWNER/DEVELOPER (Partners and/or Principals) Joel Weitz ARCHITECT/DESIGNER/OR AGENT: Ergberg Anderson Design Partnership

CONTACT PERSON: Paul Cuta
Address: 1 North Pinckney Street
Madison, WI 53703
Phone: 608.250.0100
Fax: 608.250.0200
E-mail address: paulc@eadp.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)

Urban Design Commission

City of Madison
Department of Planning & Development
Madison Municipal Building, Room LL 100
215 Martin Luther King, Jr. Blvd.
Madison, WI 53701

September 21, 2005

Re Initial & Final Approval - October 19, 2005

George Vitense Golfland
New Clubhouse and Indoor Mini-golf/Practice Facility
5501 West Beltline Highway
Madison, WI 53711
Engberg Anderson Project No. 051532

PROJECT NARRATIVE

George Vitense Golfland is planning a new clubhouse and indoor mini-golf/practice facility to be located on their existing property. The new facility will replace the existing building and will consist of approximately 19,960 Gross Square Feet (GSF) - total. The new building is comprised of an 8,500 GSF indoor mini-golf/practice facility located at grade and a 8,360 GSF clubhouse located at or above grade over a 3,100 GSF basement with an exposed end for vehicle access. The proposed building location is at the confluence of the extended facilities activity area that is at the top of the hill and situated between the existing, elevated tee boxes to the South, chipping green to the West, mini golf to the North and parking lot to the East. The existing clubhouse facility will be demolished.

The building materials under consideration include the following:

- Sandblasted, site cast concrete base
- Standard CMU in a random blend of selected colors - 3 to 4 mono-chromatic colors
- 1" Prefinished corrugated metal siding and 4" Prefinished metal lap siding
- Reinforced fiber cement panels
- Exposed wood rafter tails at entry conditions
- Clear anodized aluminum window frames with clear, low-E glazing
- Asphalt shingle and ballasted membrane roofing

The existing parking lot will remain. The lot will be reconfigured to include 10 new tree islands to replace the existing 4 islands. The reconfiguration will also provide an increase of 8 parking stalls; from 179 to 187 stalls. The addition of "new" stalls at the location of the existing building requires the addition of an oil, grease and sediment filter to the existing catch basin structure.

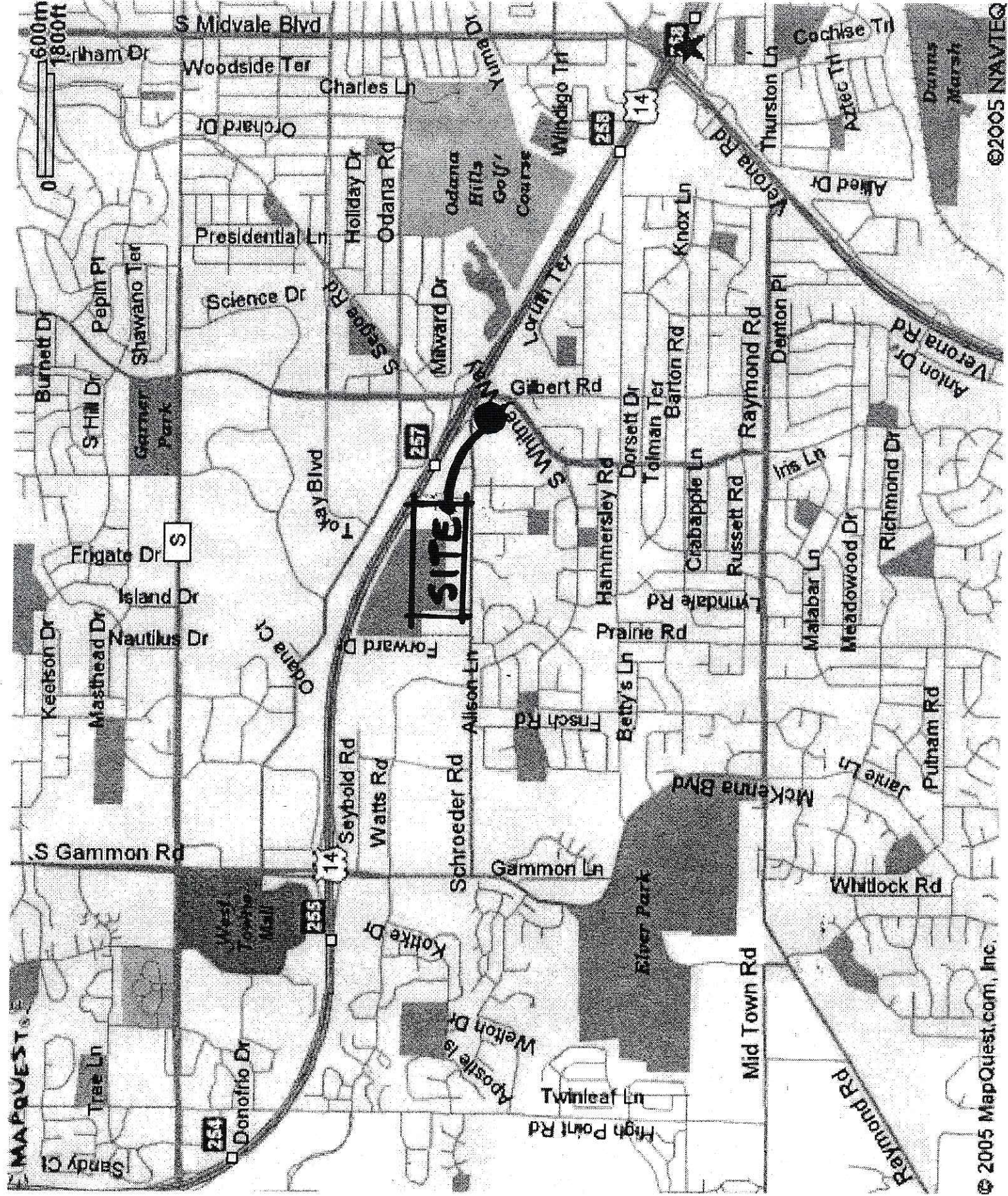
PMC/pmc

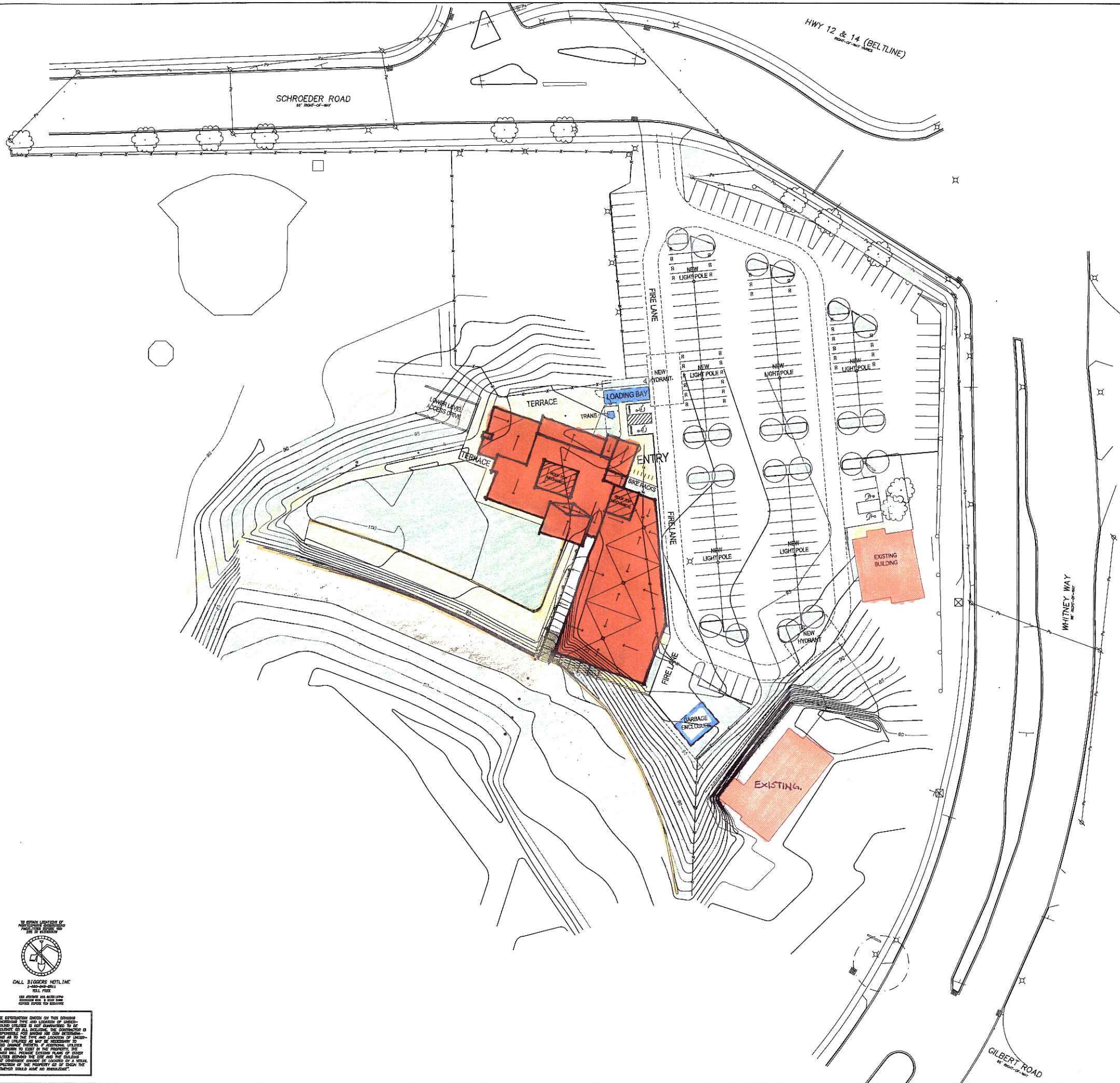
1 North Pinckney Street

Madison, Wisconsin 53703

www eadp.com

Ph 608 250 0100 Fx 608 250 0200





- ◆ SECTION CORNER
- PROPERTY CORNER FOUND
- ▲ PARKER-KAYLON NAIL FOUND
- 3/4" DIAMETER X 24" LONG IRON REBAR SET, WEIGHING 1.50 LBS./LN.FT.
- 1-1/4" DIAMETER X 30" LONG IRON REBAR SET, WEIGHING 4.30 LBS./LN.FT.
- ▲ PARKER-KAYLON NAIL SET
- BENCH MARK LOCATION & NUMBER
- CONTROL MONUMENT LOCATION & NUMBER
- POST
- STREET SIGN
- WATER OR GAS VALVE
- FIRE HYDRANT
- UTILITY HANDLE
- STORM SEWER INLET
- UTILITY POLE WITH GUY WIRE
- STREET LIGHT POLE
- TRAFFIC LIGHT POLE
- UTILITY PEDESTAL
- SHRUB
- DECIDUOUS TREE
- CONIFEROUS TREE
- SPOT ELEVATION
- BUILDINGS
- EDGE OF WOODS OR SHRUBS
- PROPERTY LINE
- PLATTED LINE
- SECTION LINE
- EASEMENT LINE
- WATER LINE
- SANITARY SEWER
- STORM SEWER
- UNDERGROUND ELECTRICAL POWER
- OVERHEAD ELECTRICAL POWER
- UNDERGROUND FIBER OPTIC
- UNDERGROUND TELEPHONE
- UNDERGROUND CABLE
- GAS MAIN
- FENCE
- CONCRETE CURB & GUTTER
- PAVEMENT EDGE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR

LEGAL DESCRIPTION (FURNISHED)

DESCRIPTION PARCEL "A"
 A PARCEL OF LAND LOCATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 31, T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN BEING PART OF LOT 2, CERTIFIED SURVEY MAP NO. 161 AND ALSO PART OF LOT 1, GOLFLAND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 31; THENCE S 0°34'25" E, 408.60 FEET; THENCE S 89°25'35" W, 70.00 FEET TO THE POINT OF BEGINNING.
 THENCE S 73°38'47" W, 12.82 FEET; THENCE S 37°46'43" W, 105.94 FEET; THENCE S 9°31'08" W, 125.15 FEET; THENCE S 13°23'37" E, 150.34 FEET; THENCE S 4°53'25" W, 10.22 FEET; THENCE S 80°26'15" E, 798.80 FEET; THENCE S 89°39'30" W, 455.75 FEET; THENCE N 0°14'30" W, 1274.35 FEET; THENCE N 89°46'05" E, 500.02 FEET; THENCE S 89°17'18" E, 503.18 FEET; THENCE S 0°25'45" E, 17.00 FEET; THENCE N 89°34'15" E, 68.18 FEET; THENCE S 28°10'15" E, 172.39 FEET; THENCE S 89°25'35" W, 150.00 FEET; THENCE S 0°34'25" E, 266.77 FEET; THENCE N 89°25'35" E, 150.00 FEET TO THE POINT OF BEGINNING.

DESCRIPTION PARCEL "B"
 A PARCEL OF LAND LOCATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 31, T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN BEING PART OF LOT 1, GOLFLAND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 31; THENCE S 0°34'25" E, 408.60 FEET; THENCE S 89°25'35" W, 70.00 FEET TO THE POINT OF BEGINNING.
 THENCE CONTINUE S 89°25'35" W, 150.00 FEET; THENCE N 0°34'25" E, 266.77 FEET; THENCE N 89°25'35" E, 150.00 FEET; THENCE S 0°34'25" E, 266.77 FEET TO THE POINT OF BEGINNING.

DESCRIPTION PARCEL "C"
 A PARCEL OF LAND LOCATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 31, T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN BEING PART OF LOT 1 AND ALL OF LOT 2, GOLFLAND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 31; THENCE S 0°34'25" E, 408.60 FEET; THENCE S 89°25'35" W, 60.00 FEET TO THE POINT OF BEGINNING.
 THENCE ALONG THE ARC OF A CURVE, CONVEX NORTHWESTERLY HAVING A RADIUS OF 504.12 FEET AND A LONG CHORD BEARING S 12°53'18" W AND A DISTANCE OF 235.37 FEET; THENCE N 52°07'54" W, 119.89 FEET; THENCE S 38°09'56" W, 110.14 FEET; THENCE N 9°31'08" E, 125.15 FEET; THENCE N 37°38'43" E, 105.94 FEET; THENCE N 73°38'47" E, 124.82 FEET; THENCE N 89°25'35" E, 10.00 FEET TO THE POINT OF BEGINNING.

- NOTES:**
- EXISTING CONDITIONS PROVIDED BY WILLIAMSON SURVEYING.
 - BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511

IN ACCORDANCE WITH THE REQUIREMENTS OF THE SURVEYING BOARD OF WISCONSIN, THIS PLAN IS BEING SUBMITTED TO THE SURVEYING BOARD FOR REVIEW AND APPROVAL.
 CALL DIGGERS HOTLINE 1-800-242-8511
 USE APPROPRIATE UTILITY COMPANIES TO LOCATE ALL UTILITIES PRIOR TO EXCAVATION.

THE REPRESENTATION OF THE SURVEYING BOARD OF WISCONSIN IS NOT A GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE SURVEYING BOARD OF WISCONSIN IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN OR FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS PLAN. THE SURVEYING BOARD OF WISCONSIN IS NOT RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS PLAN.

EXISTING CONDITIONS MAP

A PARCEL OF LAND LOCATED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 31 T7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

DATE	07-11-2005
DATE	
DATE	

DRAWN BY	WLM
CHECKED BY	
APPROVED BY	

PROJECT NO: 05-1980
 FILE NO: C-54
 SURVEYED: Williamson
 F.B. NO/PG: -
 SHEET NO: 1 OF 1

Williamson Surveying & Design, Inc.
 181 HORIZON DRIVE SUITE 101
 VERONA, WISCONSIN 53593
 PHONE: (800) 848-5060



Engberg Anderson Design Partnership, Inc.
 1 N. Fawcett St.
 Madison, Wisconsin 53703
 www.eadp.com
 Ph 608 250 0100 Ex 408 250 0300

George Vitense Golfplan

5501 West Bellline Highway
 Madison, WI 53711

Owner:
 Joel Weitz
 5501 West Bellline Highway
 Madison, WI 53711

Project No: 051532.00

Issued For:

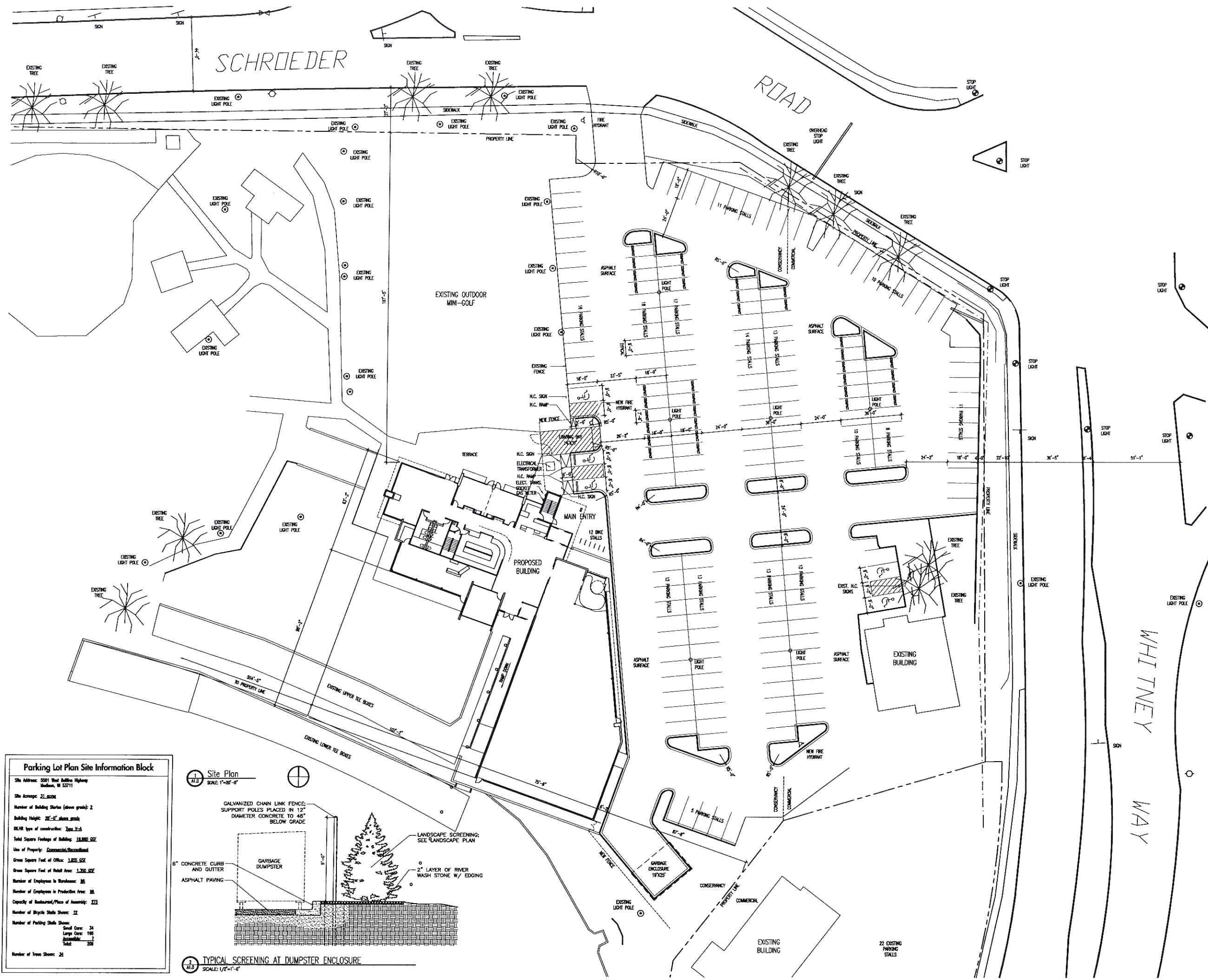
No.	Description	Date
01	SD Preliminary Review	07-25-05
02	Preliminary Budget Review	08-13-05
03	Revised Design Review	08-17-05
04	Revised Design Review	09-01-05
05	Design Development	09-07-05
06	Initial Approval	09-14-05
07	Planning Commission	09-21-05

REVIEW SET - NOT FOR CONSTRUCTION

Drawn by:
 Checked by:
 File: 1532_A1-0.dwg

Site Plan

A1.0



Parking Lot Plan Site Information Block

Site Address: 5501 West Bellline Highway
 Madison, WI 53711

Site Acreage: 21.8028

Number of Building Stories (above grade): 2

Building Height: 28'-0" above grade

BLNR type of construction: Type 2, 3

Total Square Footage of Building: 18,000.00 SF

Use of Property: Commercial/Residential

Gross Square Feet of Office: 1,800.00 SF

Gross Square Feet of Retail Area: 1,300.00 SF

Number of Employees in Warehouse: 35

Number of Employees in Production Area: 35

Capacity of Restaurant/Place of Assembly: 222

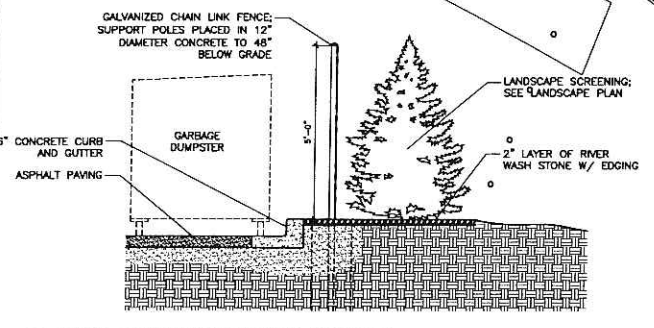
Number of Bicycle Stalls Shown: 12

Number of Parking Stalls Shown:

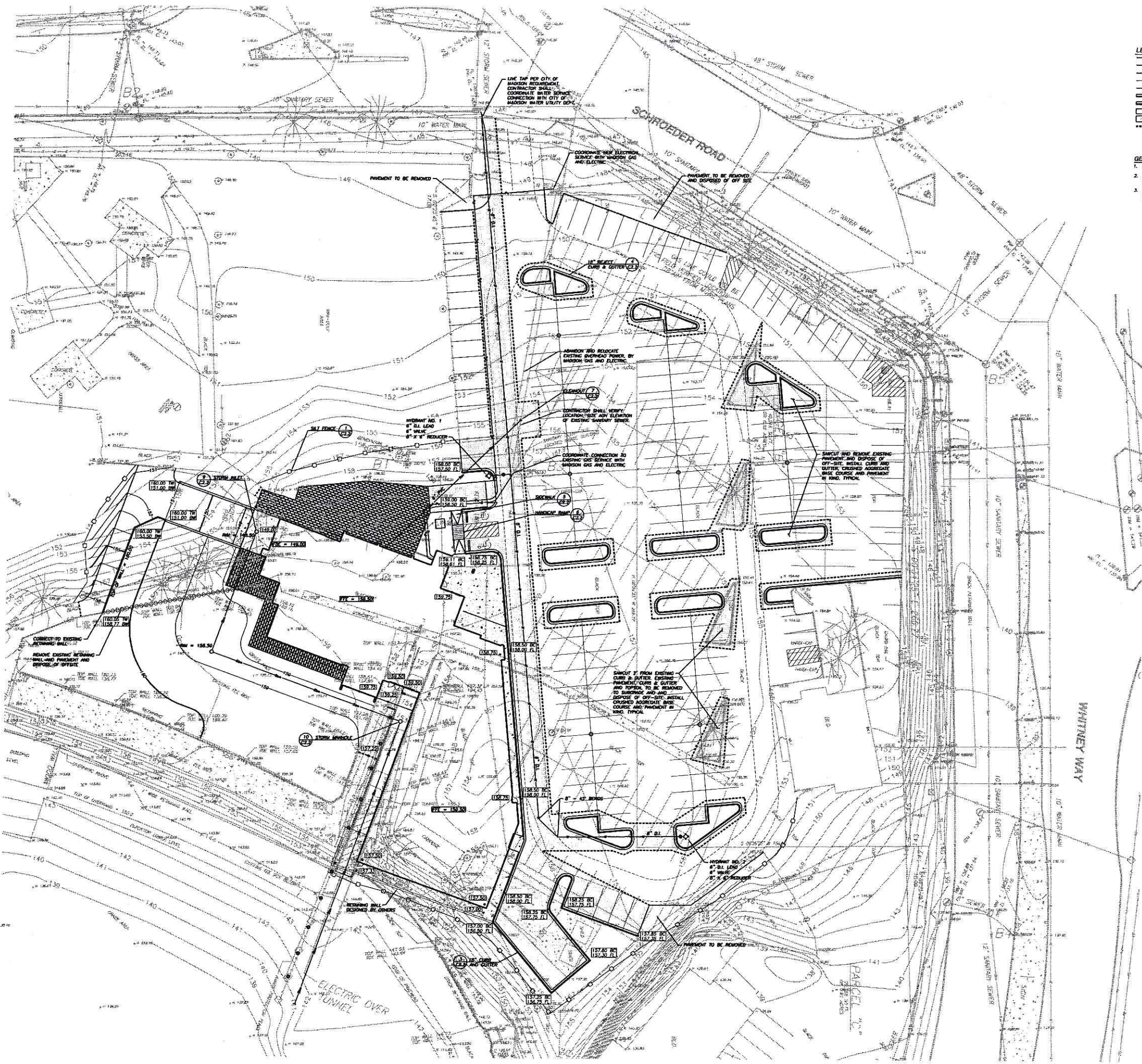
Small Cars:	34
Large Cars:	190
Automobiles:	2
Trucks:	208

Number of Trees Shown: 24

1 Site Plan
 SCALE: 1"=30'-0"



2 TYPICAL SCREENING AT DUMPSTER ENCLOSURE
 SCALE: 1/2"=1'-0"



LEGEND

---	BUILDING LINE
- - -	PROPERTY LINE
---	INDEX CONTOURS
---	INTERMEDIATE CONTOURS
---	SILT FENCE
---	PROPOSED 18" STANDARD CURB & GUTTER
---	PROPOSED 18" REAR CURB & GUTTER
---	PROPOSED CONCRETE SURFACE
---	PROPOSED BITUMINOUS SURFACE
---	PROPOSED PAVEMENT S&F CUT

- GENERAL NOTES**
1. REFER TO SHEET C-1.0 FOR EXISTING CONDITIONS NOTES AND LEGEND.
 2. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION.
 3. ALL WORK IN THE ROW AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.



Engberg Anderson Design Partnership, Inc.
 611 North Broadway
 Milwaukee, Wisconsin 53202
 www.eadp.com
 Ph 414.944.9000 Ex 414.944.9100

George Vitense
 Goffland

5501 West Bellline Highway
 Madison, WI 53711

Owner
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 Madison, WI 53711

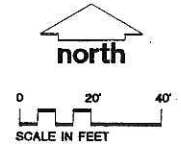
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00		XX-XX-XX

JSD - Engineers - Surveyors
 Jenkins Survey & Design, Inc.

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 CONSTRUCTION



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 Checked By HPJ
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EROSION CONTROL,
 GRADING AND
 UTILITY PLAN

CALL DIGGERS HOTLINE
 1-800-242-8911 TOLL FREE
 609-261-5000 LOCAL SERVICE

C-2.0



Engberg Anderson Design Partnership, Inc.
 611 North Broadway
 Milwaukee, Wisconsin 53202
 www.eadp.com
 Ph 414 944 9000 Fax 414 944 9100

KEN SAIKI
 DESIGN INC

LANDSCAPE
 ARCHITECTS

303 S. PATERSON
 SUITE ONE
 MADISON, WI 53703
 Phone: 608 251-3600
 Fax: 608 251-2330
 www.ksd-la.com

George Vitense Golfland

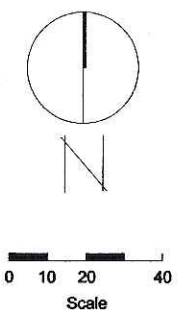
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01	Initial Approval	09-14-05



Vitense Golfland REPRESENTATIVE PLANT LIST						
quant.	key	botanical name	common name	size	root cond.	remarks
Canopy Trees						
10	MM	<i>Acer x freemanii</i> 'Morgan'	Morgan Maple	2-2 1/2" Cal.	BB	
1	WB	<i>Betula papyrifera</i> 'Renci' (Single)	Renaissance Reflection Paper Birch	2-2 1/2" Cal.	BB	Single Trunk
13	HL	<i>Cleditsia triacanthos inermis</i> 'Shademaster'	Shademaster Honeylocust	2-2 1/2" Cal.	BB	
11	AL	<i>Tilia americana</i> 'Sentry'	Sentry American Linden	2-2 1/2" Cal.	BB	
Shrub						
12	JV	<i>Juniperus virginiana</i> 'Clauca'	Silver Juniper	48" Ht.	BB	
14	SY	<i>Taxus cuspidata</i> 'Sieboldii'	Siebold Yew	18" Ht.	CONT/BB	
3	SA	<i>Thuja occidentalis</i> 'Sherwood Frost'	Sherwood Frost Arbor Vitae	48" Ht.	BB	
6	DA	<i>Thuja occidentalis</i> 'Degroot's Spire'	Degroot's Spire Arbor Vitae	48" Ht.	BB	
Asciocaryum shrubs						
7	AH	<i>Hydrangea arborescens</i> 'Annabelle'	Annabelle Hydrangea	18" Ht.	CONT.	
60	FS	<i>Rhus aromatica</i> 'gro-low'	Grow Low Fragrant Sumac	2 Gal.	CONT.	
8	WS	<i>Spiraea albiflora</i>	Japanese White Spirea	18" Ht.	CONT.	
13	SJ	<i>Spiraea japonica</i> 'Goldmound'	Goldmound Spirea	18" Ht.	CONT.	
Perennials						
104	Bcr	<i>Bergenia cordifolia</i> 'Rotblum'	Piesqueak	Gal.	CONT.	18" OC
36	Hfi	<i>Hosta</i> 'Fire and Ice'	Fire and Ice Hosta	Gal.	CONT.	36" OC
38	Hst	<i>Hosta sieboldiana</i> 'Thunderbolt'	Thunderbolt Hosta	Gal.	CONT.	36" OC
Ornamental Grasses						
32	LB	<i>Schizachyrium scoparium</i>	Little Bluestem	Gal.	CONT.	18" OC
52	PS	<i>Carex pensylvanica</i>	Pennsylvania Sedge	Gal.	CONT.	12" OC

Landscape Worksheet					
Number of Parking Stalls					210
Total Sq. Footage of Storage Area					0
Number of Canopy Shade Trees					14
Required - 2" - 2 1/2" cal.					
No. of Landscape Points Required					868
Points for Loading Area Required					75
Number of Points Required					943
Credits					
Element	Point Value	Quantity	Points Achieved	Quantity	Points
Canopy Tree: 2" - 21/2"	35	21	735	5	175
Deciduous Shrub	2	88	176		
Evergreen Shrub	3	23	69		
Decorative Wall or Fence (per 10 L.F.)	5	0			
Earth Berm (per 10 L.F.)		0			
Avg. Height 30"	5				
Avg. Height 15"	2				
Evergreen Trees	15	12	180		
3' height minimum					
Canopy Tree or Small Tree 1 1/2" - 2" Caliper (i.e., Crab, Hawthorn)	15	0			
		Sub-Totals	1160		175
				Total Points	1335

REVIEW SET - NOT FOR CONSTRUCTION

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 Checked by
 File: 1532_L1-1_plan.dwg

Landscape Plan

L1.1



Engberg Anderson Design Partnership, Inc.

611 North Bowdoin
Madison, Wisconsin 53702
www.eadp.com
Ph 414 944 9000 Fx 414 944 9100

George Vitense Golfian

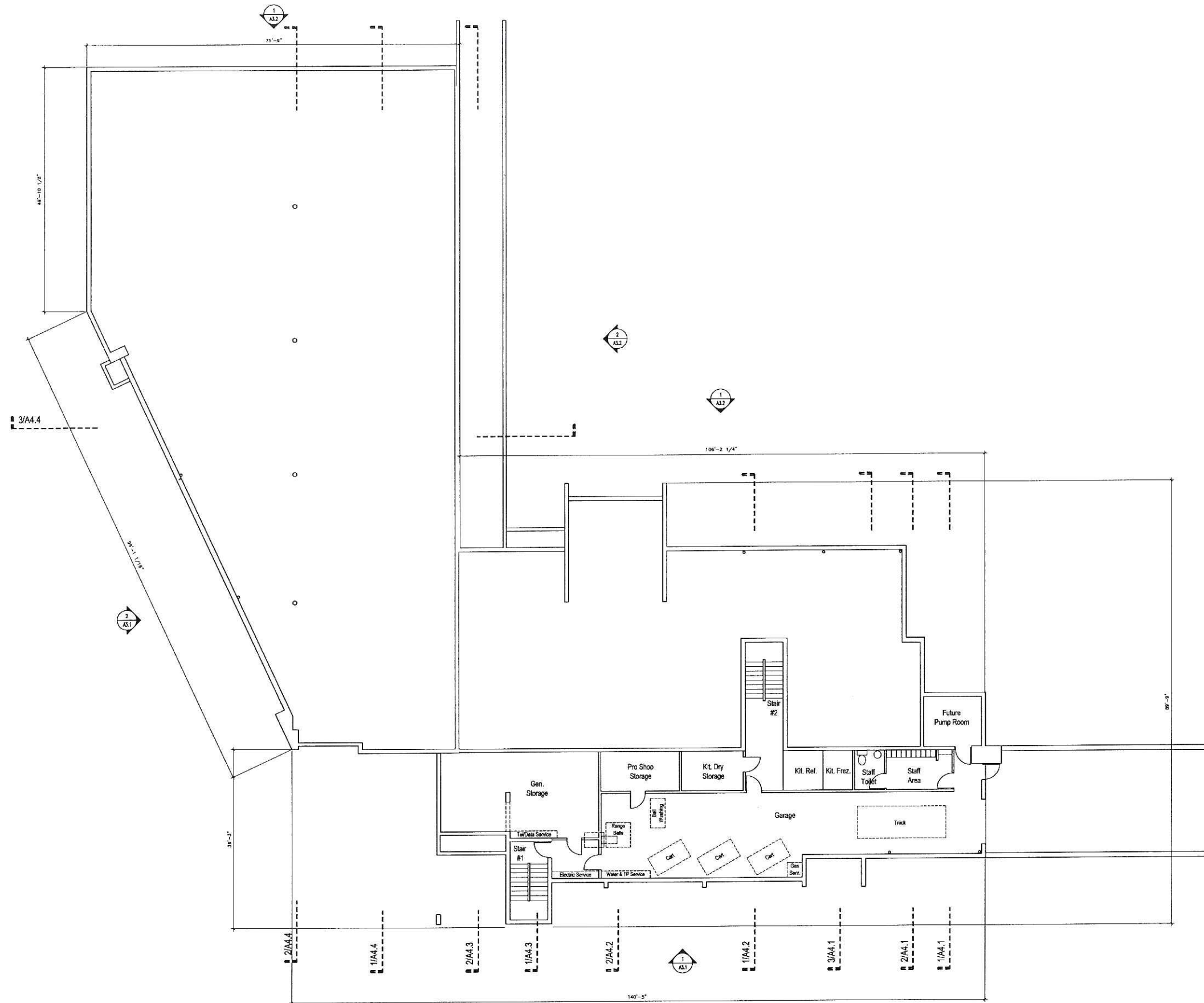
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D1	SD Preliminary Review	07-26-05
D2	Preliminary Budget Review	08-13-05
D3	Revised Design Review	08-17-05
D4	Revised Design Review	09-01-05
D5	Design Development	09-07-05
D6	Initial Approval	09-14-05



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Lower Level

1 Lower Level
A2-1 SCALE: 1/8"=1'-0"



A2.1



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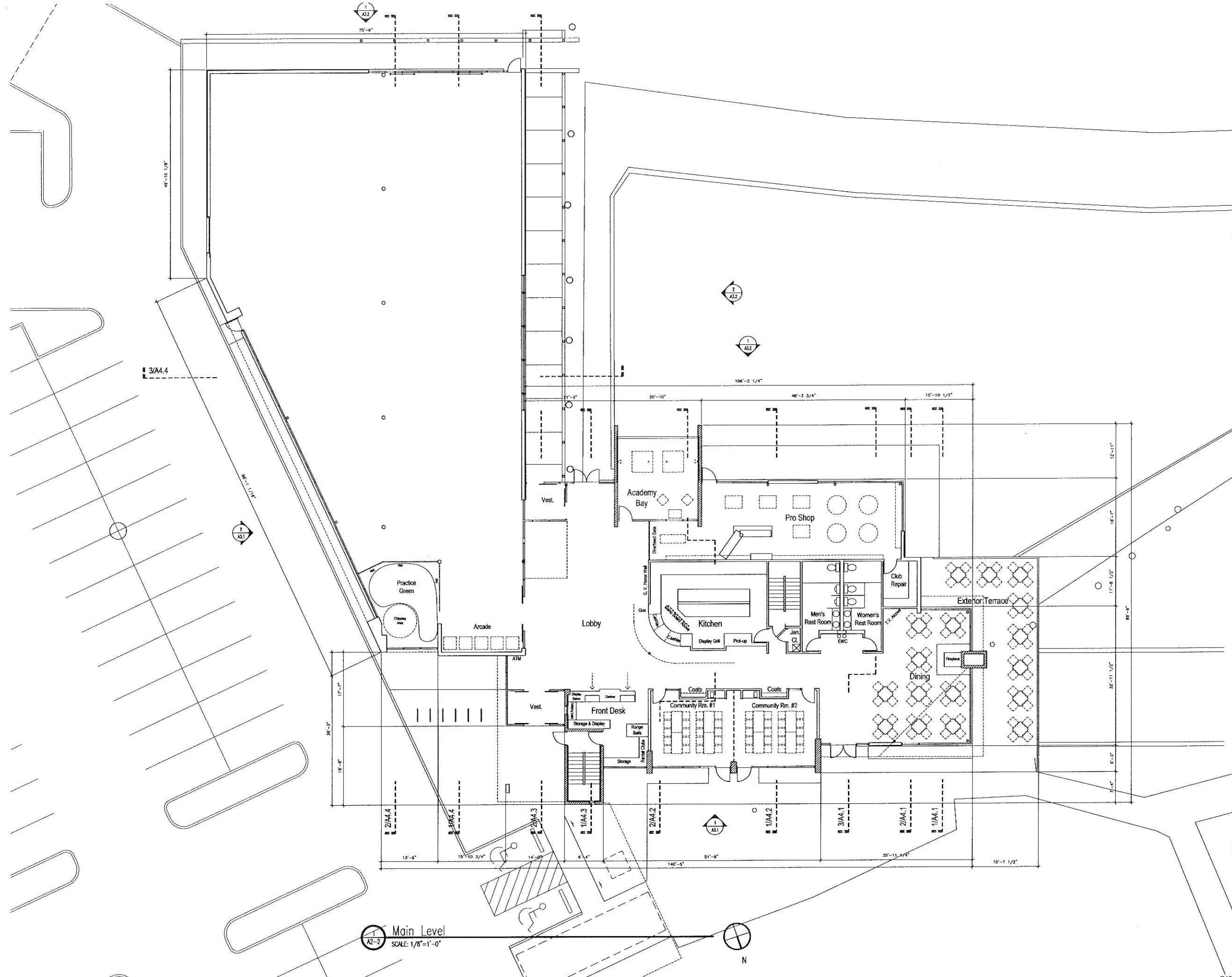
George Vitense Golf Club

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Main Level

A2.2

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



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George Vitense Golfian

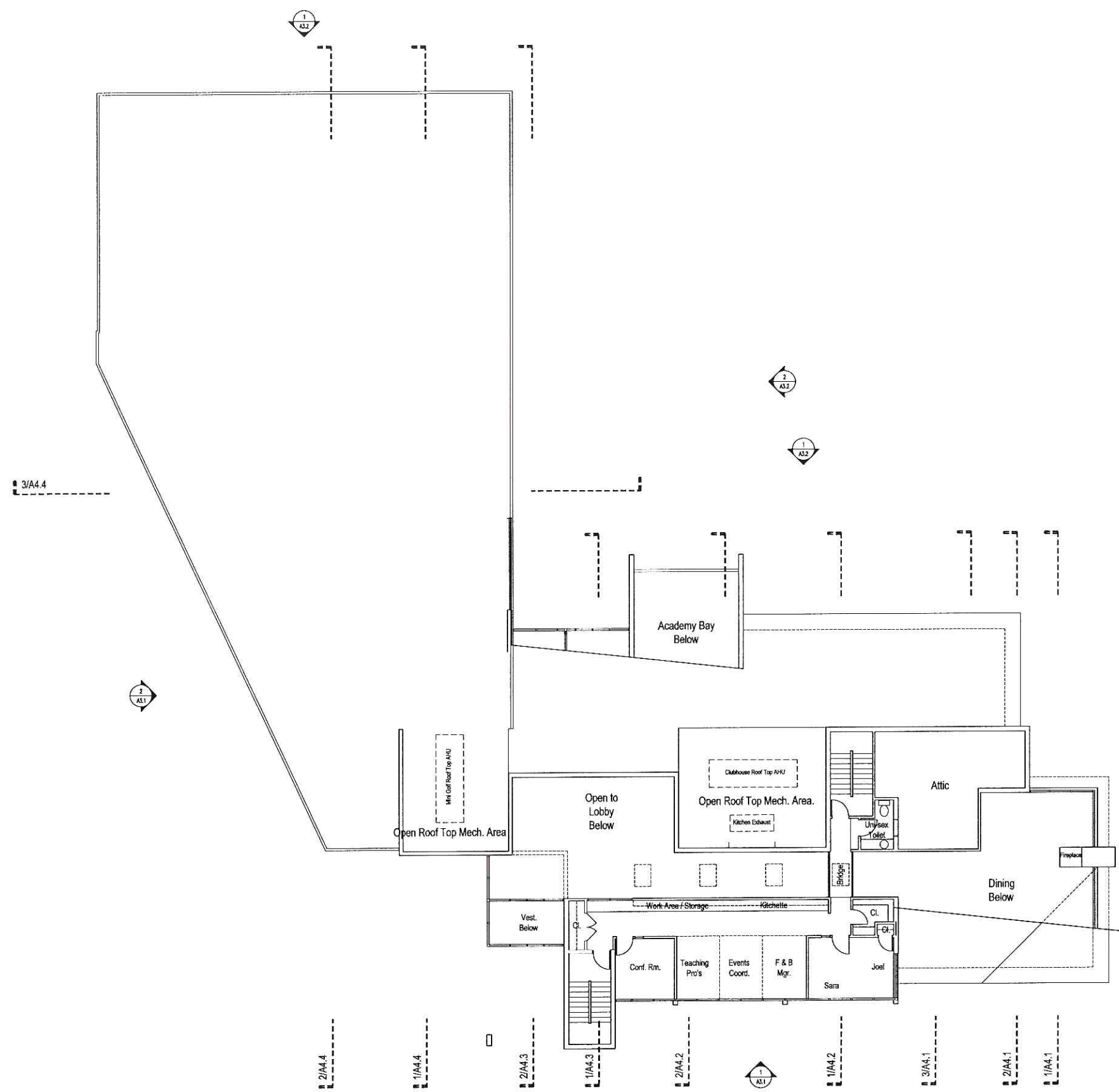
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Upper Level

1
A2-3
Upper Level
SCALE: 1/8"=1'-0"



A2.3



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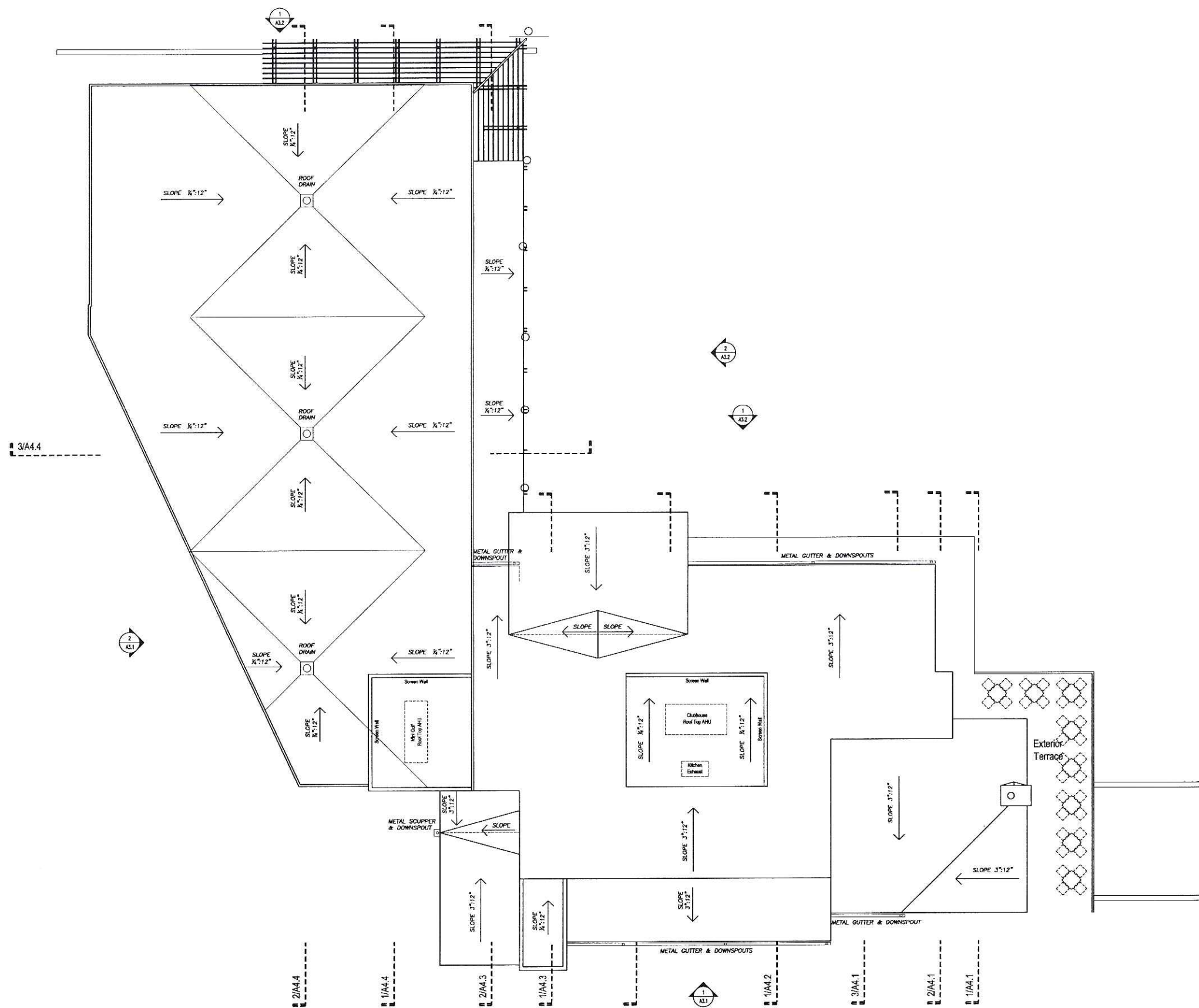
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Roof Level

1
A2-4
Roof Level
SCALE: 1/8"=1'-0"

A2.4



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17 N. Pinckney St.
Madison, Wisconsin 53703
www.eadp.com
Ph: 608.250.0100 Fx: 608.250.0200

George Vitense Golfland

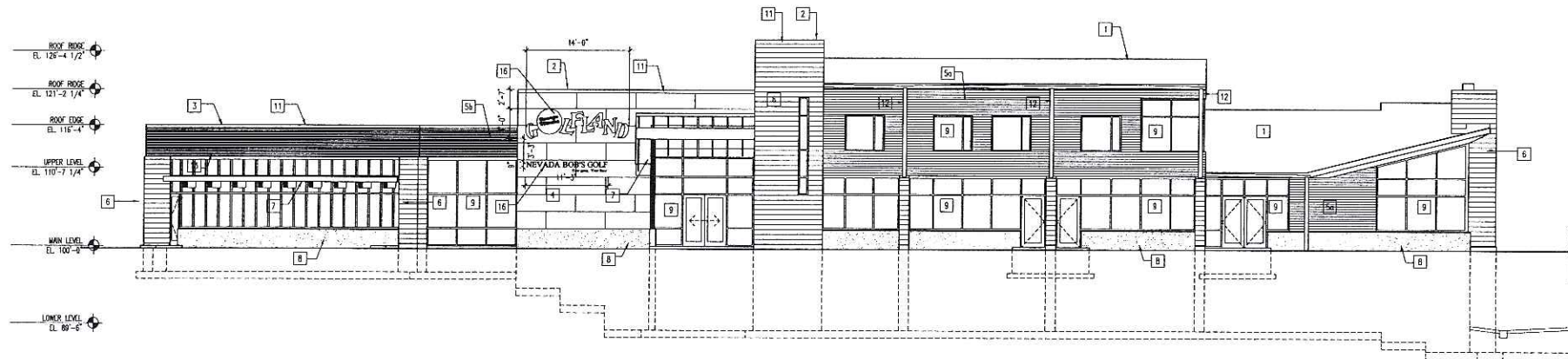
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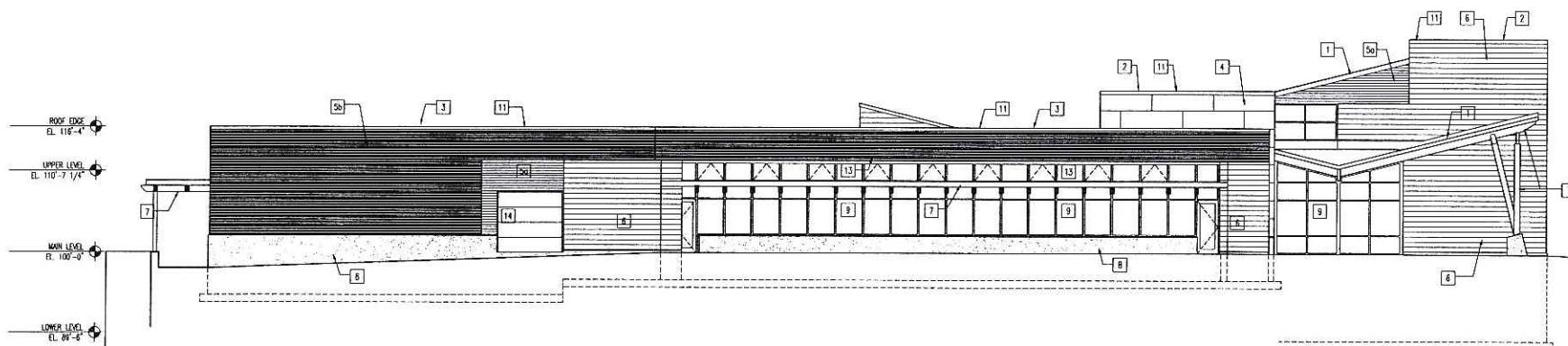
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1 North Elevation
A3-1 SCALE: 1/8"=1'-0"



2 East Elevation
A3-1 SCALE: 1/8"=1'-0"

KEYED NOTES

- 1 ASPHALT SHINGLES ON FELT PAPER OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING. 4" RIGID INSULATION ON VAPOR RETARDER OVER 3/4" PLYWOOD DECKING ON 2X12 NOM. WOOD FRAMING @ 16" O.C. (24" SPACING POSSIBLE - VERIFY WITH CLEAR SPAN).
- 2 FULLY ADHERED ROOF MEMBRANE ON 3/4" PLYWOOD DECK OVER 2X NOM. WOOD FRAMING @ 16" O.C. WITH BATT INSULATION.
- 3 BALLASTED ROOFING MEMBRANE ON 4" RIGID INSULATION OVER ADJUSTABLE METAL ROOF DECK. STEEL WEB JOISTS WITH STEEL CENTER STRUCTURE AND STEEL STUD LOAD BEARING EXTERIOR WALLS. LARGE WINDOW WALLS TO HAVE STEEL STRUCTURE SUPPORT.
- 4 1/4" FIBER CEMENT BOARD FACING WITH EXPOSED FASTENERS ON MOISTURE BARRIER OVER 5/8" EXTERIOR PLYWOOD SHEATHING. 2X6 NOM. WOOD FRAMING WITH 6" BATT INSULATION. VAPOR RETARDER UNDER 5/8" CWB. TYPE 'X' WHERE REQUIRED.
- 5a PREFINISHED 4" PANELIZED METAL LAP SIDING OVER MOISTURE BARRIER ON 5/8" EXTERIOR PLYWOOD SHEATHING ON 2X6 NOM. WOOD FRAMING WITH 6" BATT INSULATION. VAPOR RETARDER UNDER 5/8" CWB. TYPE 'X' WHERE REQUIRED.
- 5b PREFINISHED 3/8" MINI-RIB METAL PANEL OVER MOISTURE BARRIER ON 5/8" EXTERIOR PLYWOOD SHEATHING ON 2X6 NOM. WOOD FRAMING WITH 6" BATT INSULATION. VAPOR RETARDER UNDER 5/8" CWB. TYPE 'X' WHERE REQUIRED.
- 6 8" NOM. CMU WITH RANDOM BLEND COLOR UNITS. 2" RIGID INSULATION ON Z-FURRING WITH 5/8" CWB.
- 7 CEDAR WITH CLEAR FINISH. CEDAR TRELLIS OUT OF DIMENSIONAL LUMBER. COVER PORTION TO HAVE CORRUGATED FIBERGLASS DECKING WITH LOW PITCH. (LOCATED OVER TUNNEL/RAMP)
- 8 EXPOSED CAST-IN-PLACE CONCRETE WALL WITH SAND BLASTED FINISH. 2" RIGID INSULATION WITH Z-FURRING AND 5/8" CWB.
- 9 CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM WITH 1" INSULATED CLEAR DOUBLE LOW E. GLAZING.
- 10 CLEAR ANODIZED ALUMINUM CURTAIN WALL SYSTEM WITH 1" INSULATED CLEAR DOUBLE LOW E. GLAZING.
- 11 PREFINISHED METAL COPING
- 12 PREFINISHED METAL GUTTER AND DOWNSPOUT
- 13 PREFINISHED METAL FASCIA
- 14 OVERHEAD INSULATED SECTIONAL DOOR
- 15 OVERHEAD GLASS SECTIONAL DOOR
- 16 RAISED METAL SIGNAGE; UPLIT FROM LIGHTING AT GRADE LEVEL.

REVIEW SET - NOT FOR CONSTRUCTION

Drawn by: pmc
Checked By: xxx
File: 1532_A3-1_elev.dwg

Exterior Elevations

A3.1



Engberg Anderson Design Partnership, Inc.

611 North Broadway
Milwaukee, Wisconsin 53202
www.eadp.com
Ph: 414 944 9000 Fax: 414 944 9100

George Vitense Golfman

5501 West Beltline Highway
Madison, WI 53711

Owner
Joel Weitz
5501 West Beltline Highway
Madison, WI 53711

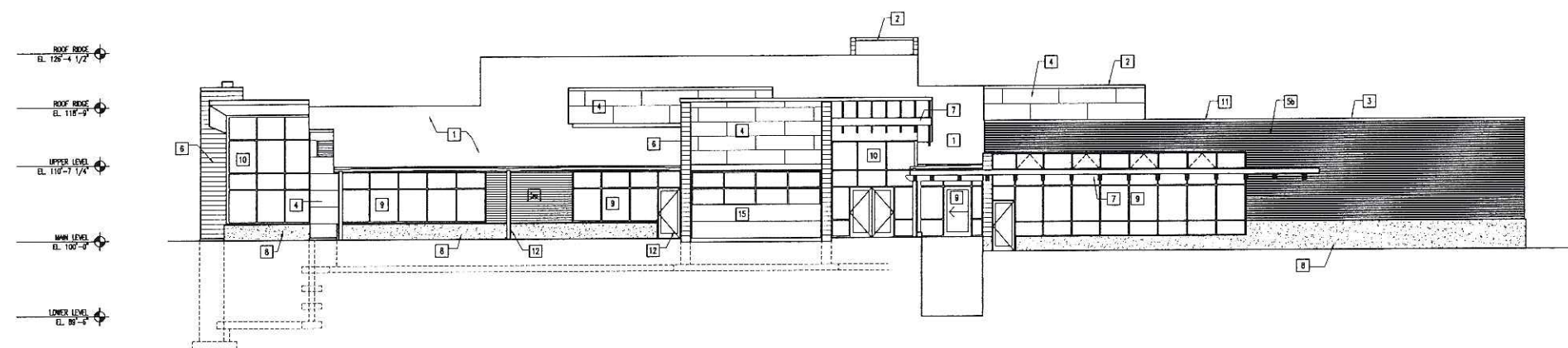
Project No. 051532.00

Issued For:

No.	Description	Date
01	SD Preliminary Review	07-25-05
02	Preliminary Budget Review	08-13-05
03	Revised Design Review	08-17-05
04	Revised Design Review	09-01-05
05	Design Development	09-07-05
06	Initial Approval	09-14-05

KEYED NOTES

- 1 ASPHALT SHINGLES ON FELT PAPER OVER 5/8" EXTERIOR PLYWOOD ROOF SHEATHING. 4" RIGID INSULATION ON VAPOR RETARDER OVER 3/4" PLYWOOD DECKING ON 2X12 NOM. WOOD FRAMING @ 16" O.C. (24" SPACING POSSIBLE - VERIFY WITH CLEAR SPAN).
- 2 FULLY ADHERED ROOF MEMBRANE ON 3/4" PLYWOOD DECK OVER 2X NOM. WOOD FRAMING @ 16" O.C. WITH BATT INSULATION.
- 3 BALLASTED ROOFING MEMBRANE ON 4" RIGID INSULATION OVER ACOUSTICAL METAL ROOF DECK. STEEL WEB JOISTS WITH STEEL CENTER STRUCTURE AND STEEL STUD LOAD BEARING EXTERIOR WALLS. LARGE WINDOW WALLS TO HAVE STEEL STRUCTURE SUPPORT.
- 4 1/4" FIBER CEMENT BOARD FACING WITH EXPOSED FASTENERS ON MOISTURE BARRIER OVER 5/8" EXTERIOR PLYWOOD SHEATHING. 2X6 NOM. WOOD FRAMING WITH 6" BATT INSULATION. VAPOR RETARDER UNDER 5/8" CWB. TYPE 'X' WHERE REQUIRED.
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- 6 8" NOM. CMU WITH RANDOM BLEND COLOR UNITS. 2" RIGID INSULATION ON 2 FURRING WITH 5/8" CWB.
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- 14 OVERHEAD INSULATED SECTIONAL DOOR
- 15 OVERHEAD GLASS SECTIONAL DOOR



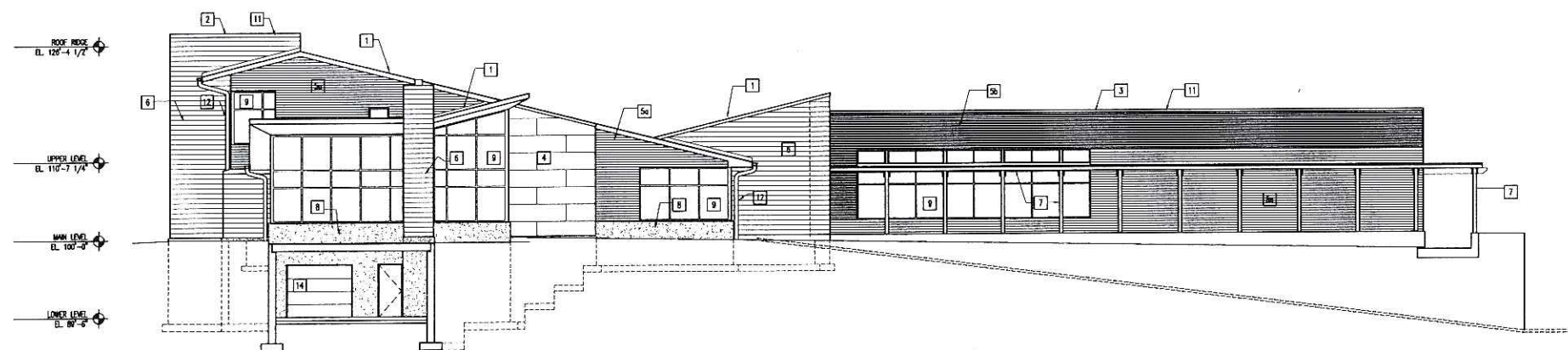
1 South Elevation
A3-2 SCALE: 1/8"=1'-0"

REVIEW SET - NOT FOR
CONSTRUCTION

Drawn by pmc
Checked By xxx
File 1532_A3-1_elev.dwg

Exterior Elevations

A3.2



2 West Elevation
A3-2 SCALE: 1/8"=1'-0"



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611 North Broadway
Milwaukee, Wisconsin 53202
www.eadp.com
Ph 414 964 9000 Fx 414 964 9100

George Vitense Golfman

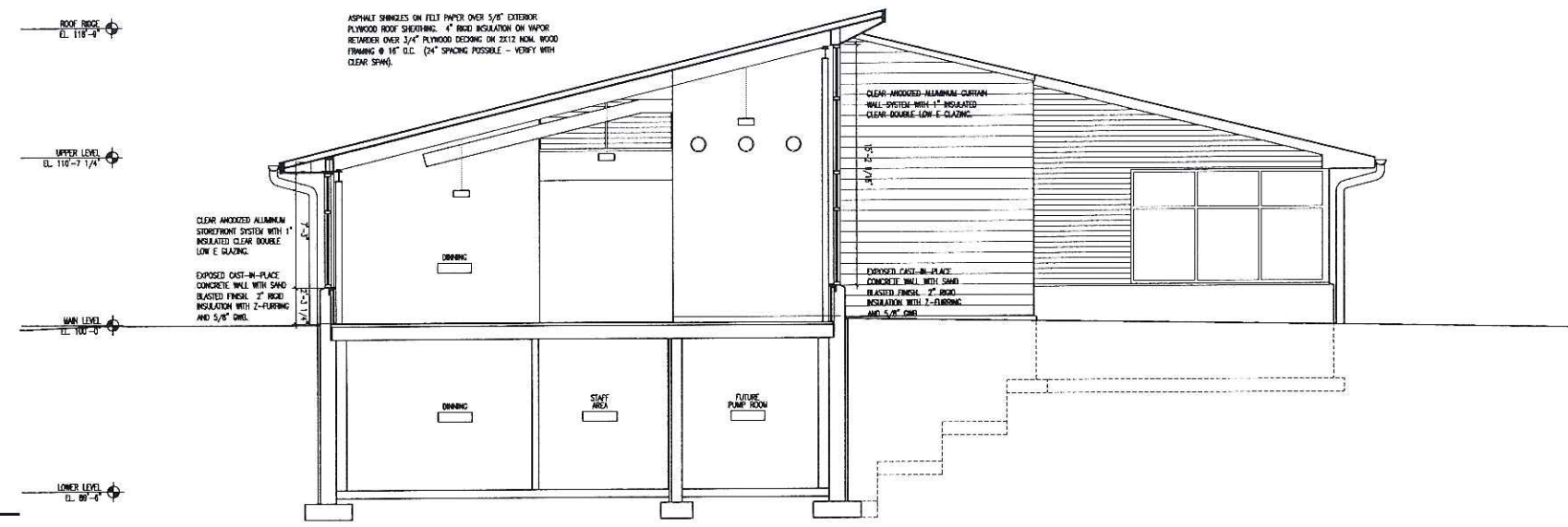
5501 West Beltline Highway
Madison, WI 53711

Owner
Joel Weitz
5501 West Beltline Highway
Madison, WI 53711

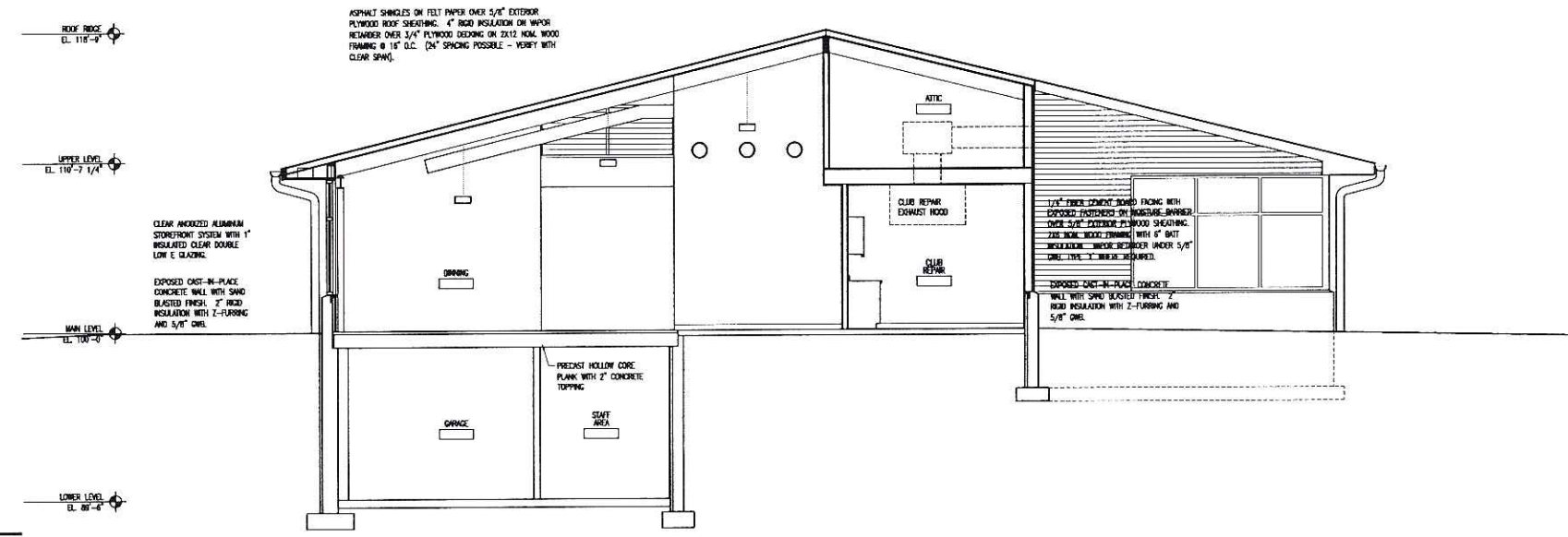
Project No 051532.00

Issued For:

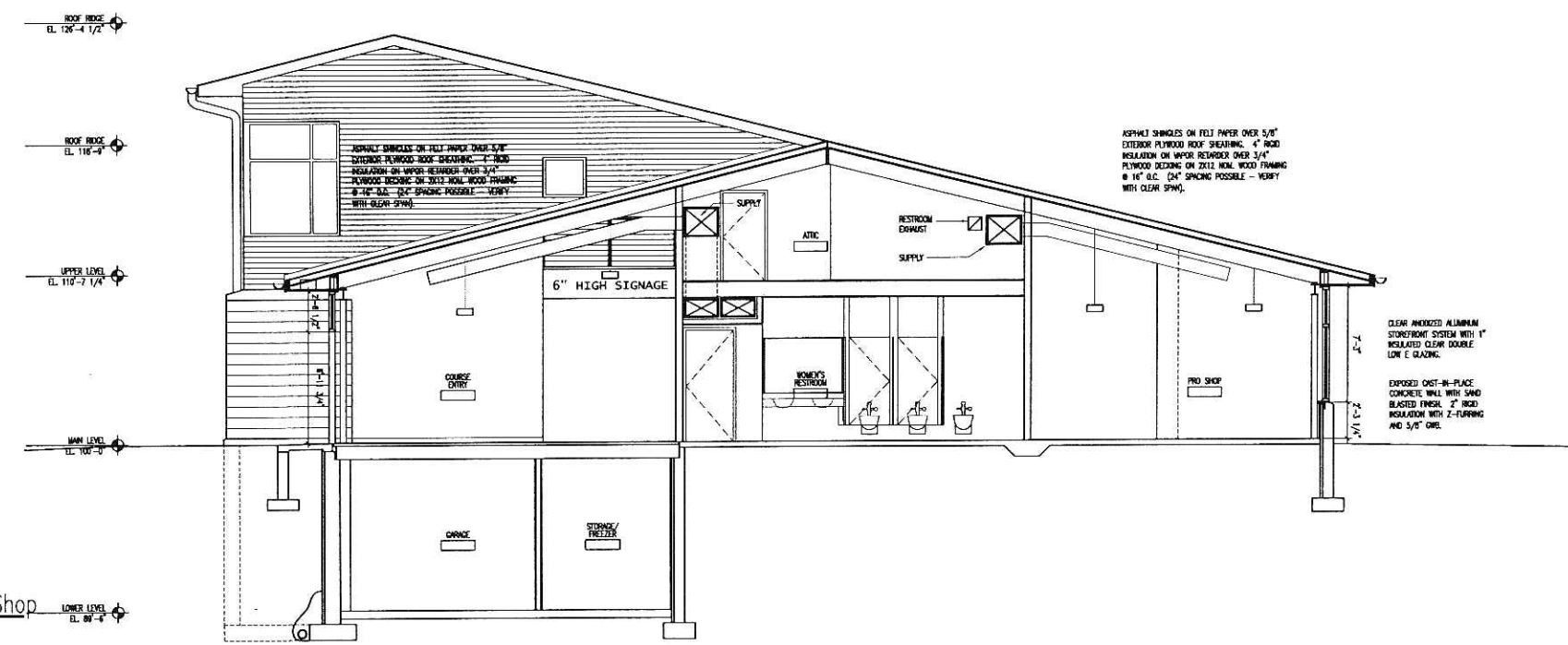
No.	Description	Date
01	SD Preliminary Review	07-26-05
02	Preliminary Budget Review	08-13-05
03	Revised Design Review	08-17-05
04	Revised Design Review	09-01-05
05	Design Development	09-07-05
06	Initial Approval	09-14-05



1 Section @ Dining / Exterior Terrace
SCALE: 1/4"=1'-0"



2 Section @ Dining / Restroom / Pro Shop
SCALE: 1/4"=1'-0"



3 Section @ Office / Bridge / Comm. Rm. / Stair / Pro Shop
SCALE: 1/4"=1'-0"

REVIEW SET - NOT FOR CONSTRUCTION

Drawn by pmc
Checked By xxx
File 1532_A4-1_sect.dwg

Building Sections

A4.1



Engberg Anderson Design Partnership, I

611 North Broadway
 Madison, Wisconsin 53702
 www.eadp.com
 Ph: 414 944 9000 Fax: 414 944 9100

George Vitense Golf Club

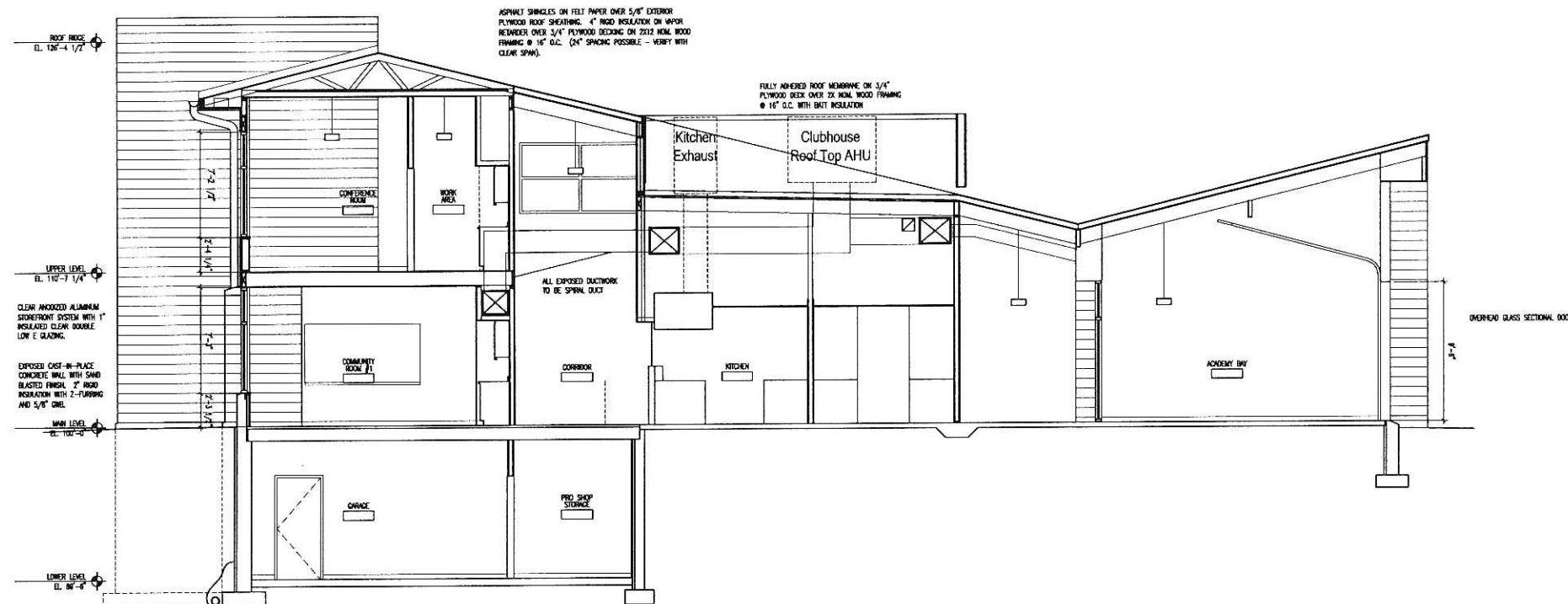
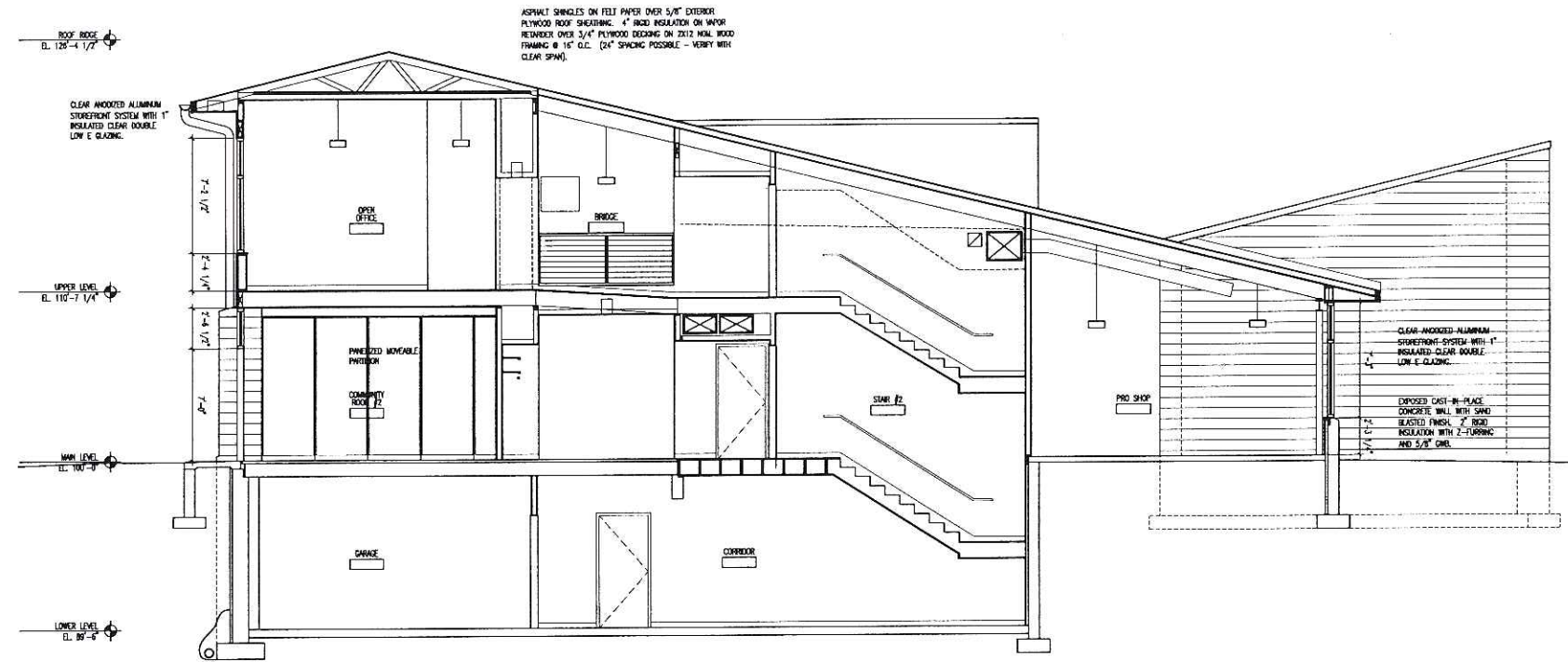
5501 West Beltline Highway
 Madison, WI 53711

Owner:
 Joel Weitz
 5501 West Beltline Highway
 Madison, WI 53711

Project No: 051532.00

Issued For:

No.	Description	Date
01	SD Preliminary Review	07-26-05
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03	Revised Design Review	08-17-05
04	Revised Design Review	08-01-05
05	Design Development	09-07-05
06	Initial Approval	08-14-05



REVIEW SET - NOT FOR CONSTRUCTION

Drawn by: pmc
 Checked by: xxx
 File: 1532_A4-1_esect.dwg

Building Sections

A4.2



Engberg Anderson Design Partnership, Inc.

611 North Broadway
Milwaukee, Wisconsin 53202
www.eadp.com
Ph: 414.944.9000 Fax: 414.944.9100

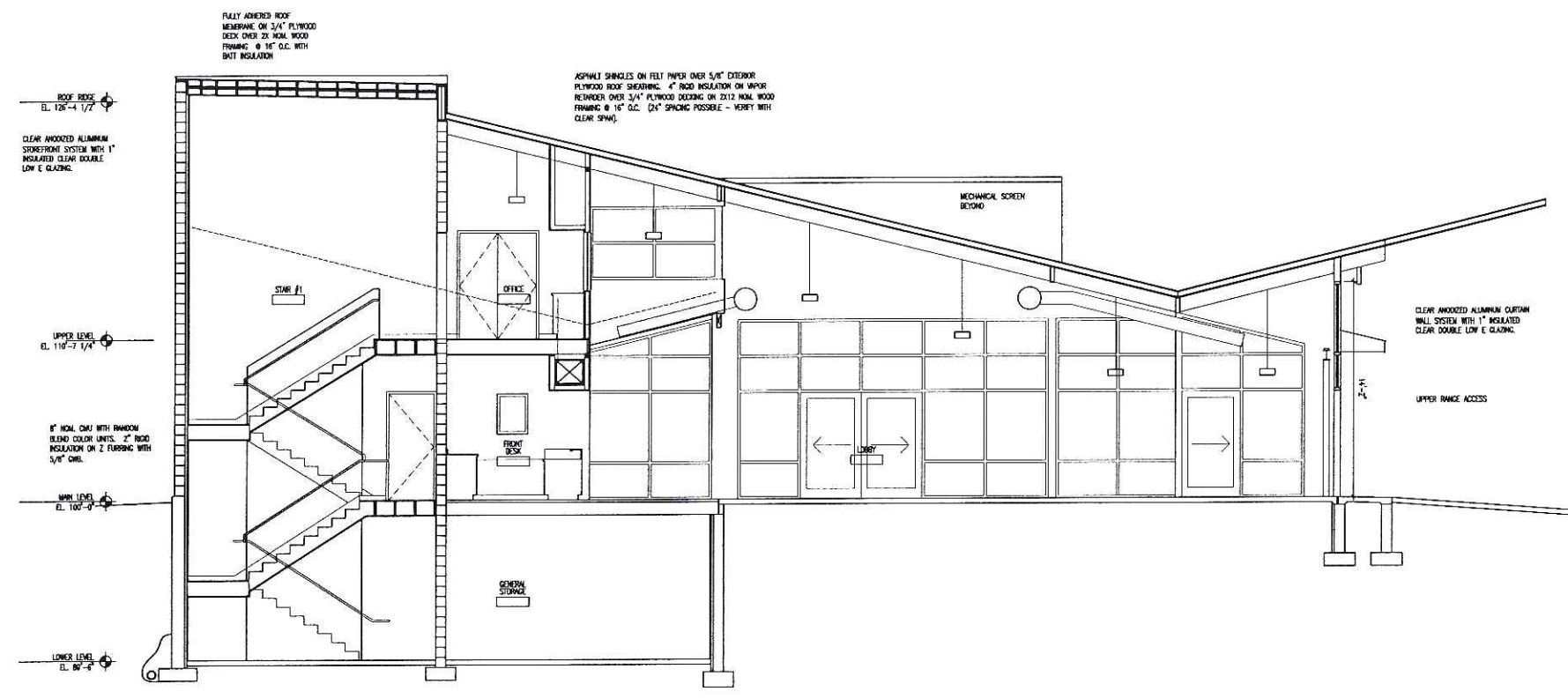
George Vitense Golf Course

5501 West Beltline Highway
Madison, WI 53711

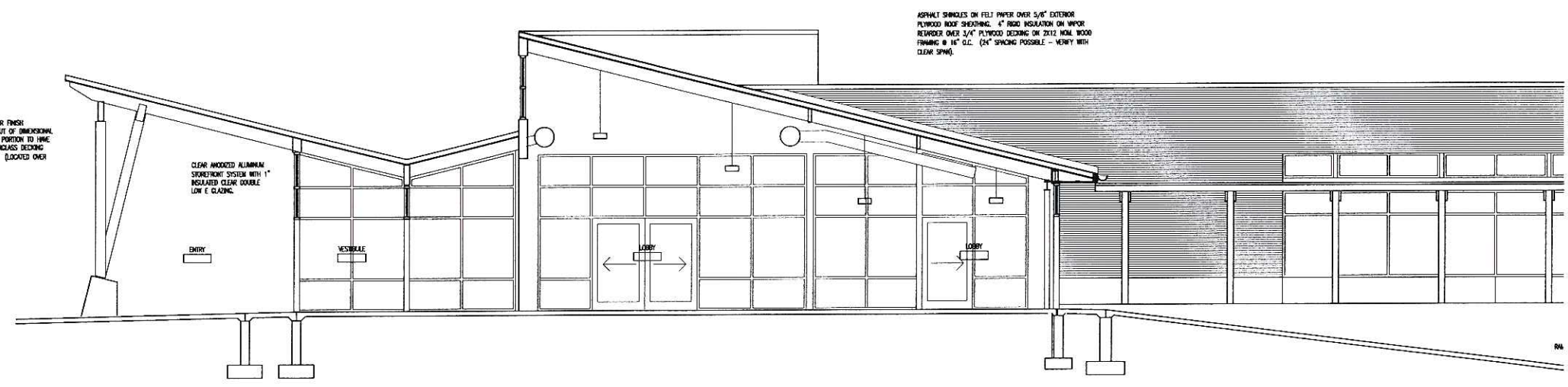
Owner:
Joel Weitz
5501 West Beltline Highway
Madison, WI 53711

Project No: DS1532.00

Issued For:		
No.	Description	Date
01	SD Preliminary Review	07-26-05
02	Preliminary Budget Review	08-13-05
03	Revised Design Review	08-17-05
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06	Initial Approval	09-14-05



1 Section @ Stair / Front Desk / Lobby
SCALE: 1/4"=1'-0"



2 Section @ Main Entrance
SCALE: 1/4"=1'-0"

REVIEW SET - NOT FOR CONSTRUCTION

Drawn by: pmc
Checked By: xxx
File: 1532_A4-1_esect.dwg

Building Sections

A4.3



Engberg Anderson Design Partnership, I

611 North Broadway
Milwaukee, Wisconsin 53202
www.eadp.com
Ph. 414.944.9000 Ex. 414.944.9100

George Vitense Golfclub

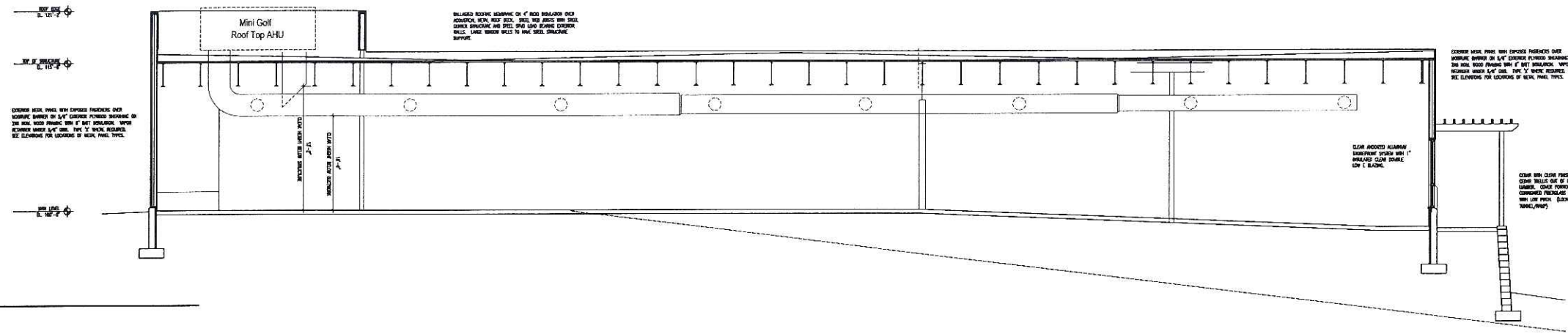
5501 West Beltline Highway
Madison, WI 53711

Owner
Joel Weitz
5501 West Beltline Highway
Madison, WI 53711

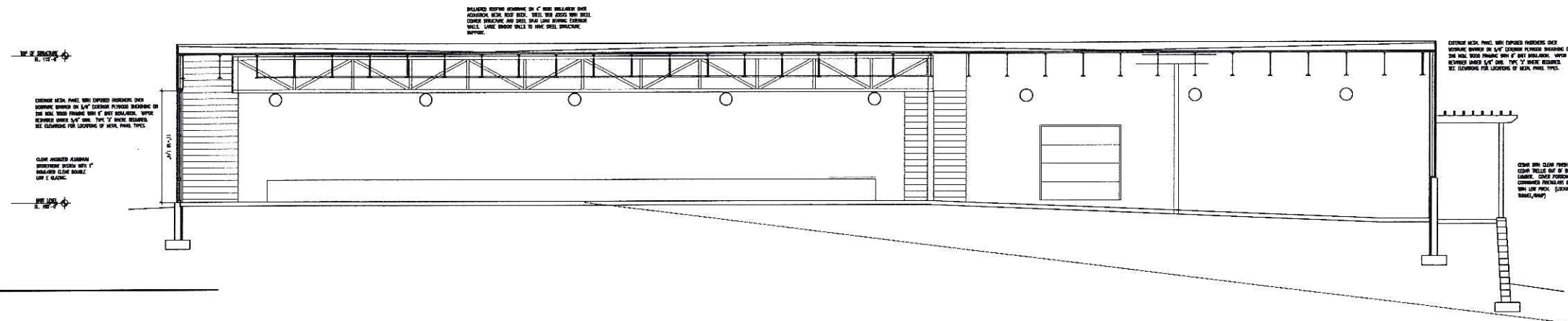
Project No 051532.00

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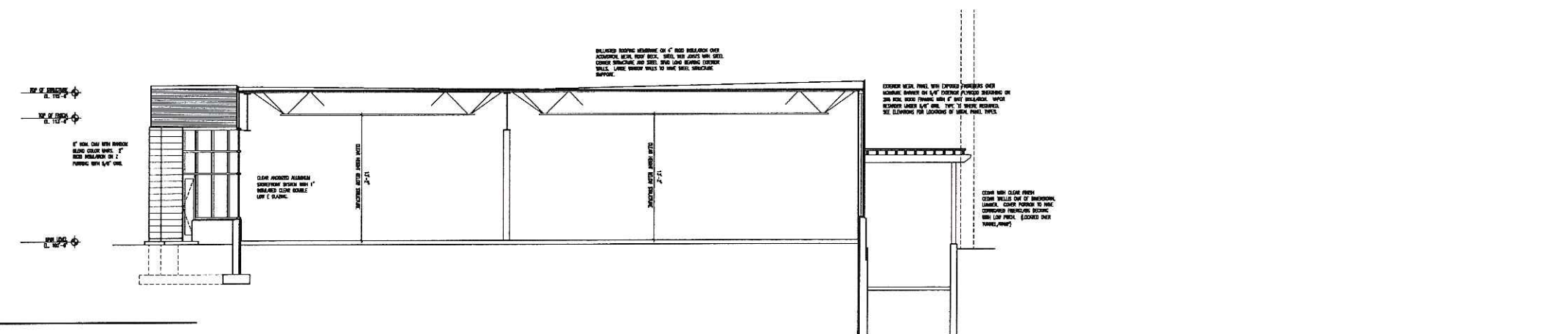
No.	Description	Date
01	SD Preliminary Review	07-25-05
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03	Revised Design Review	08-17-05
04	Revised Design Review	09-01-05
05	Design Development	09-07-05
06	Initial Approval	09-14-05



1 Section @ Mini Golf
SCALE: 3/16"=1'-0"



2 Section @ Mini Golf
SCALE: 3/16"=1'-0"



3 Cross Section @ Mini Golf
SCALE: 3/16"=1'-0"

**REVIEW SET - NOT FOR
CONSTRUCTION**

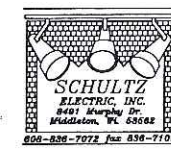
Drawn by pmc
Checked by xxx
File 1532_A4-1_esect.dwg

Building Sections

A4.4

SCHROEDER

ROAD



Engberg Anderson Design Partnership, Inc.
 611 North Broadway
 Milwaukee, Wisconsin 53202
 www.eadp.com
 Ph: 414.944.9000 Fax: 414.944.9100

George Vitense Golf Course

5501 West Bellline Highway
 Madison, WI 53711

Owner:
 Joel Witiz
 5501 West Bellline Highway
 Madison, WI 53711

Project No: 051532.00

Issued For:

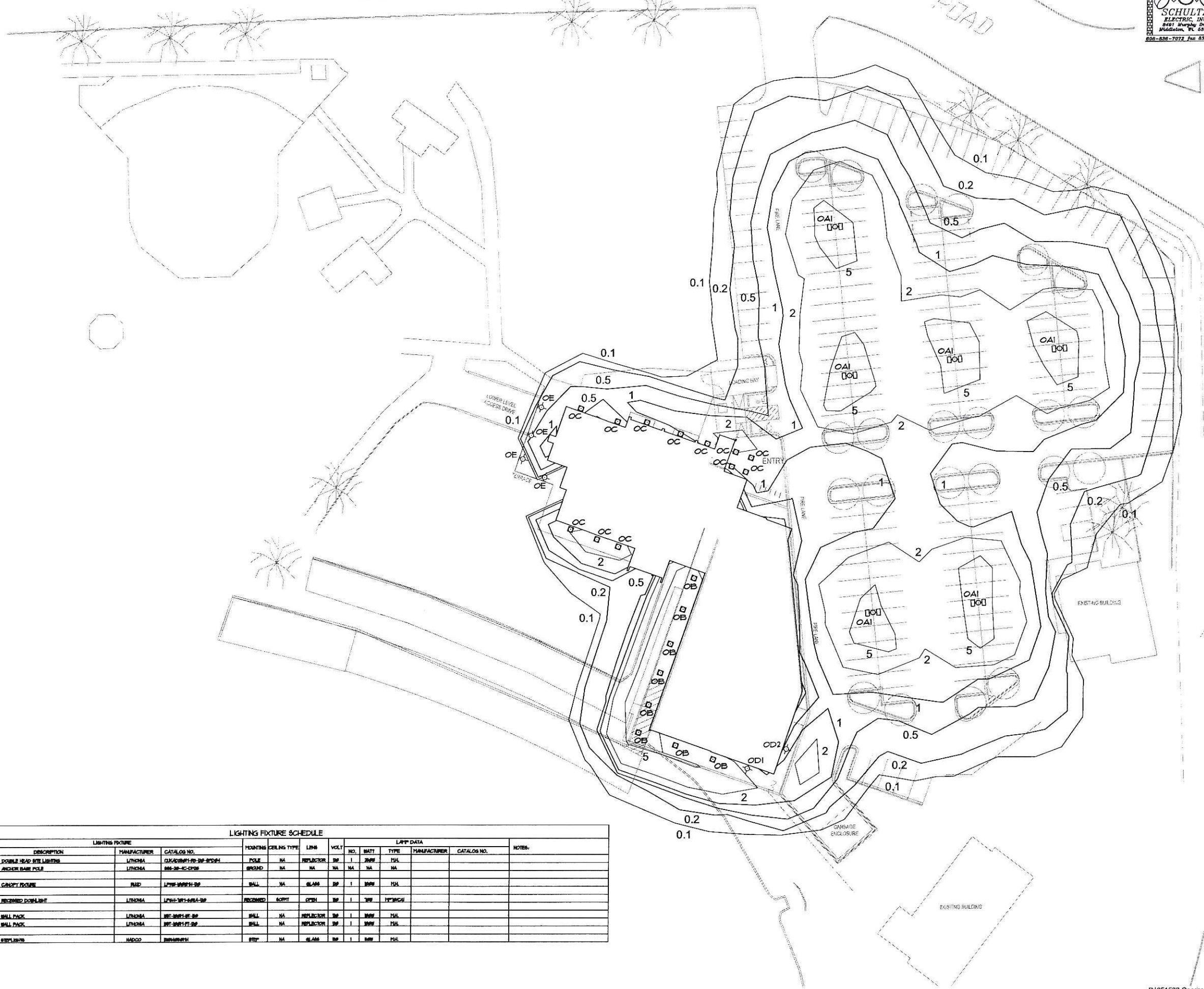
No.	Description	Date
D1	Initial Approval	09-14-05
D2	Planning Commission	09-21-05

REVIEW SET - NOT FOR CONSTRUCTION

Drawn by:
 Checked by:
 File: 1532_E1-0.dwg

Site Lighting Plan

ES-1



LIGHTING FIXTURE SCHEDULE													
LIGHTING FIXTURE				LAMP DATA									NOTES
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NO.	MOUNTING	CEILING TYPE	LENS	VOLT	NO.	BATT	TYPE	MANUFACTURER	CATALOG NO.	
OH	DOUBLE HEAD SITE LIGHTING	LITONIA	DLKAC001-20-20-200H	POLE	NA	REFLECTOR	20	1	20W	HL			
	ANCHOR BARE POLE	LITONIA	BA-30-C-020	BROW	NA	NA	NA	NA	NA	NA			
OB	CANOPY FIXTURE	BMG	L775-1000H-20	BALL	NA	GLASS	20	1	100W	HL			
OC	RECESSED DOWNLIGHT	LITONIA	L70H-101-400A-20	RECESSED	SOFT	OPEN	20	1	20W	HL			
OD1	BALL PACK	LITONIA	BT-1001-20-20	BALL	NA	REFLECTOR	20	1	100W	HL			
OD2	BALL PACK	LITONIA	BT-1001-20-20	BALL	NA	REFLECTOR	20	1	100W	HL			
OE	EXPLORERS	INOCO	200000000	STY	NA	GLASS	20	1	20W	HL			



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION — Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Extruded 4" soft corner arm for pole or wall mounting is standard. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone.

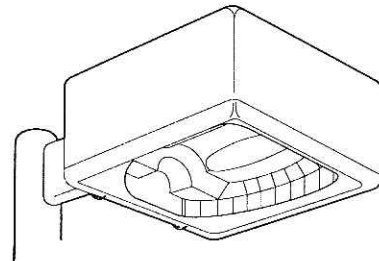
FINISH — Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM — Anodized, aluminum hydroformed reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R5S (square). High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR4SC (forward throw, sharp cutoff). Segmented reflectors attach with tool-less fasteners and are rotatable and interchangeable.

ELECTRICAL SYSTEM — High reactance, high power factor ballast for 100W/150W. Constant-wattage autotransformer for 175-400W. Super CWA Pulse Start ballast required for 200W, 320W and 350W (must order SCWA option). Ballast is copper-wound and 100% factory-tested. Porcelain, horizontal, position-oriented, socket with copper alloy, nickel-plated screw shell and center contact. Medium-base socket used with 100W & 150W, mogul-base socket used with 175-400W. UL listed 1500W-600V.

LISTING — UL Listed (standard). CSA Certified (see Options). UL listed for wet locations. IP65 rated in accordance with standard IEC 529.

Catalog Number	
Notes	Type

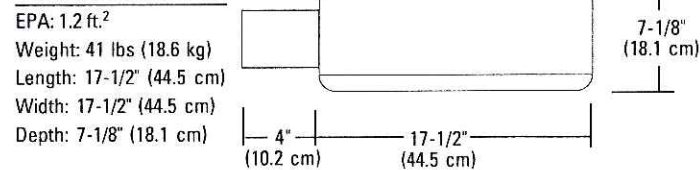


Soft Square Cutoff Lighting

KAD

METAL HALIDE
100W, 150W, 175W, 200W,
250W, 320W, 350W, 400W
20' to 35' Mounting

Standard Dimensions



ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **KAD 400M R2 120 SPD04 LPI**

Series	Voltage	Mounting	Options
KAD 100M	120	SPD04 Square pole (4" arm) (standard)	Shipped Installed In Fixture
KAD 150M	208³	SPD09 Square pole (9" arm) ⁵	SF Single fuse (120, 277, 347V, n/a TB)
KAD 175M	240³	RPD04 Round pole (4" arm)	DF Double fuse (208, 240, 480V, n/a TB)
KAD 200M	277	RPD09 Round pole (9" arm) ⁵	PER NEMA twist-lock receptacle only (no photocontrol)
KAD 250M	347	RPD09 Round pole (9" arm) ⁵	LPI Lamp included as standard
KAD 320M¹	480³	WWD04 Wood pole or wall (4" arm)	L/LP Less lamp
KAD 350M¹	TB⁴	WWD09 Wood pole or wall (9" arm) ^{5,6}	PD Power Tray ¹⁰
KAD 400M¹		WBD04 Wall bracket (4" arm) ⁶	WTB Terminal Wiring Block ¹⁰
		WBD09 Wall bracket (9" arm) ⁶	QRS Quartz restrrike system (250W maximum, lamp not included) ⁷
		L/Arm (When ordering KMA, DAD12)	CSA CSA Certified
		Shipped Separately	SCWA Super CWA Pulse Start Ballast (n/a 100W & 175W)
		KMA Mast arm adapter	Shipped Separately⁶
		KTMB Twin mounting bar	PE1 NEMA twist-lock PE (120, 208, 240V)
		DAD12P Degree Arm (pole)	PE3 NEMA twist-lock PE (347V)
		DAD12WB Degree Arm (wall)	PE4 NEMA twist-lock PE (480V)
			PE7 NEMA twist-lock PE (277V)
			HS House-side shield (R2, R3, R4) (SR2, SR3)
			KADVG Vandal guard
			KADWG Wire guard
			Architectural Colors⁸
			Standard Colors
			DDB Dark bronze (standard)
			DWH White
			DBL Black
			Classic Colors
			DMB Medium bronze
			DNA Natural aluminum
			DSS Sandstone
			DGC Charcoal gray
			DTG Tennis green
			DBR Bright red
			DSB Steel blue

NOTES:

- Reduced jacket ED28 lamp must be used with SR2, SR3 & SR4SC optics.
- House-side shield available.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V).
- The SPD09, RPD09 or WWDO9 must be used when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as accessory.
- QRSTD available in select wattages; consult factory.
- Additional architectural colors available; please see Architectural Colors brochure, form no. 794.3.
- Must use RPD09.
- Only available with SR2, SR3, and SR4SC optics.

Accessories: Tenon Mounting Slipfitter

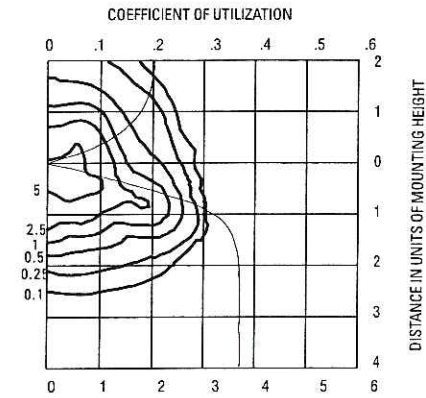
Order as separate catalog number.

Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	T20-190	T20-280	T20-290 ⁹	T20-320 ⁹	T20-390 ⁹	T20-490 ⁹
2-7/8"	T25-190	T25-280	T25-290 ⁹	T25-320	T25-390 ⁹	T25-490 ⁹
4"	T35-190	T35-280	T35-290 ⁹	T35-320	T35-390 ⁹	T35-490 ⁹

KAD 400M Arm-mounted Soft Square Cutoff

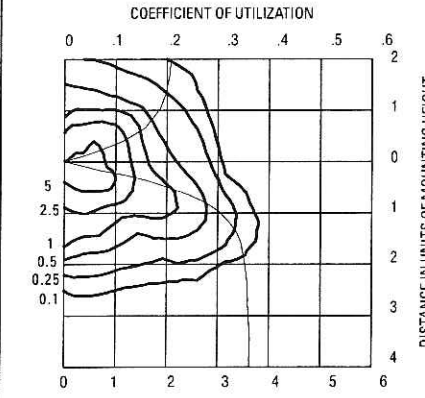
Coefficient of Utilization _____
Initial Footcandles _____

KAD R2 Test no. 1193083101



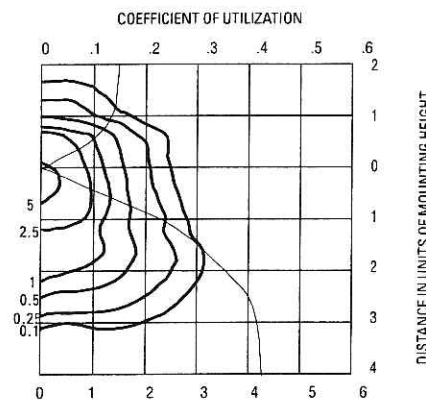
400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type II, cutoff.

KAD R3 Test no. 1192040902



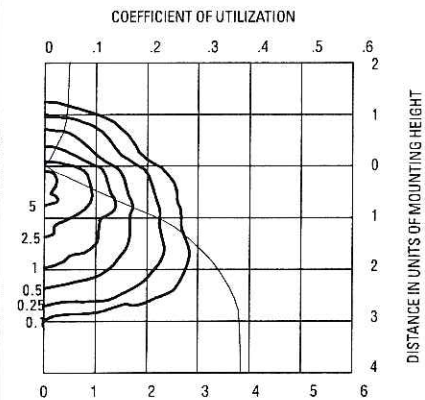
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KAD R4 Test no. 1191110101



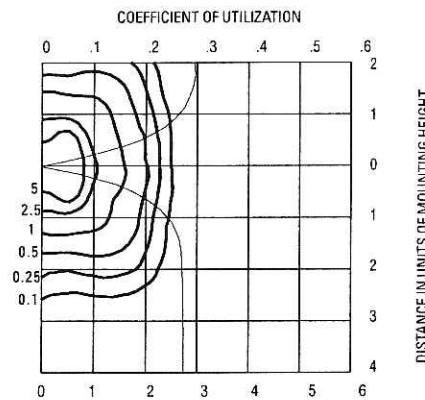
400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type IV, cutoff.

KAD R4HS Test no. 1192061101



400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type IV, cutoff.

KAD R5S Test no. 1193111901



400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type V, cutoff.

Electrical Characteristics

	Primary Wattage/ballast	Line current (Amps) Start/Operating	Primary dropout voltage	Input watts	Power factor (%)	Regulation Line V = Lamp lumens
400CWA	120	2.50/4.00	55			
Peak-lead	208	1.45/2.30	95	455	90+	±10% = ±10%
Autotransformer	240	1.25/2.00	110			
	277	1.10/1.75	125			
	480	.73/1.00	225			

Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

25 ft. = 1.44
35 ft. = 0.73
40 ft. = .56

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

Notes:

1 Photometric data for other distributions can be accessed from the Lithonia Lighting website. (www.lithonia.com)





FEATURES & SPECIFICATIONS

INTENDED USE

Recessed frame-in rated Non-IC. Approved for all ceiling and wiring types. New construction or remodel applications.

CONSTRUCTION

Galvanized steel frame.

Cutout section on frame for remodel applications.

Galvanized bar hangers span up to 24" o.c. and feature built-in nailer and T-bar clips.

Galvanized steel junction box with removable access door, (4) built-in romex clamps; (2) 3/4" and (4) 1/2" knockouts with slots for pryout.

Maximum 8 (4in, 4out) No 12 AWG conductors. Rated for 90° C.

Ground wire provided. Rated for through branch wiring.

ELECTRICAL SYSTEM

Metal Halide frame-ins have safety sockets standard and accept only safety lamps. For CMH PAR lamps, ENCL must be specified.

Thermal protection provided against improper insulation use.

Encased and potted ballast for 120, 277 or 347 volt is standard. 50H and 50M available core-and-coil ballast only.

INSTALLATION

2 x 8 wood joist or T-bar installation.

Expandable bar hangers allow for off-center mounting in wood joist or T-bar ceilings.

Length of 25-1/4" maximum 13-1/4" minimum or cut to fit 10-1/2" on center joist construction.

Retaining clips hold finishing trim secure and snug to ceiling.

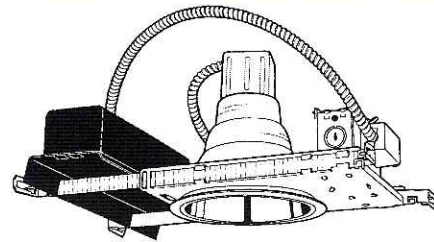
Maximum ceiling thickness determined by finishing trim. See specific trim page.

LISTING

U.L. Listed. CSA Certified (see Options).

Damp location listing. (See trim selection for wet location listing.)

Catalog Number	
Notes	Type

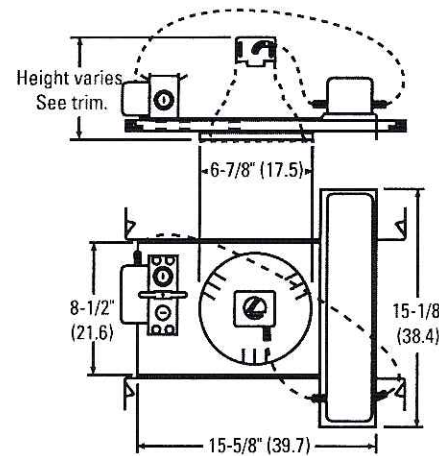


6" Frame-in LP6H

HIGH INTENSITY DISCHARGE
Non-IC
New or Remodel Construction

Specifications

Height: 3-1/2 (8.9)
Trim height varies
Length: 15-5/8 (39.7)
Width: 15-1/8 (38.4)
Ceiling Height: 7 (17.8)



All dimensions are inches (centimeters).

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **LP6H 50M 602 120/277**

LP6H

Series	Lamp	Reflector	Voltage	Options
LP6H	Metal Halide Lamp¹	602 White Open w/Splay	120/277	HEB Electronic ballast.
50M	50W MP50/C/U	602A Clear Specular Open w/Splay	120	ENCL Standard medium base socket. For use when LP6H 50, 70 and 100 metal halide frame-in used with enclosed trims or when used with PAR 38 metal halide or CMH lamps.
70M	70W MP70/C/U	602SA Clear Diffuse Open w/Splay	277	SF Single fuse (Must specify voltage).
100M	100W MP100/C/U	602G Gold Specular Open w/Splay	347²	LRC Provides compatibility with Lithonia Reloc System.
	High Pressure Sodium²	602SG Gold Diffuse Open w/Splay		WLP Lamp (shipped separately).
35S	35W LU35M/C	603 White Open		TRW White flange.
50S	50W LU50M/C	603G Gold Specular Open		
70S	75W LU70M/C	608AZ Clear Specular Open		
100S	100W LU100M/C	608A Clear Diffuse Open		
		6C3BL Black Specular Cone		
		6M1A Clear Specular Multiplier		
		6B3 Black Baffle		
		6B3W White Baffle		
		6S01 White Open Slope		
		6SB1 Black Baffle Slope		
		6SB1W White Baffle Slope		
		6SB1C Clear Baffle Slope		
		6AB2 Black Baffle Adjustable		
		6AB2W White Baffle Adjustable		
		6AC2A Clear Specular Adjustable		
		6AC2BL Black Specular Adjustable		
		6AC2G Gold Specular Adjustable		
		6LD3 White Splay, Drop Opal Lens		
		6LDB3 Black Baffle, Drop Opal Lens		
		6LF3 White Splay, White Glass Lens		
		6LFB3 Black Baffle, White Glass Lens		
		6L4 White Splay, Flat Fresnel Lens		
		6LB4 Black Baffle, Flat Fresnel Lens		

Accessories:

Order as separate catalog number.

CTE Ceiling trim extender
LBH 22" extended bar hangers, set of two
LCMB Channel bar mounting brackets
LSMC T-bar mounting clips, set of four
SCA6 Sloped Ceiling Adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D

NOTES:

1 Ceramic Metal Halide (CMH) lamps must use ENCL option.

2 Not available with HEB.

See reflector specification sheets for maximum wattages.

6" HID LP6H Photometrics

Distribution curve Distribution data Output data Coefficient of utilization Single luminaire data 30" above floor

602A, (1) 100W metal halide lamp, .62 s/mh, 7900 rated lumens, Test no. LTL9688

cp	Lumens	Zone	Lumens % Lamp	Coefficient of Utilization						Single luminaire data 30" above floor						
				20%		50%		Initial FC		50% beam -		10% beam -				
				pc	80%	70%	50%	30%	50%	30%	50%	30%	50%	30%		
0	5559			0	65	65	64	64	61	61	8.0	183.8	3.4	91.9	9.1	18.4
5	4491	0° - 30°	2486.0 31.5	1	60	59	59	58	57	56	10.0	98.8	4.7	49.4	12.4	9.9
15	3404	0° - 40°	3490.8 44.2	2	56	53	55	53	53	51	12.0	61.6	5.9	30.8	15.7	6.2
25	2468	0° - 60°	4334.4 54.9	3	51	48	51	48	49	47	14.0	42.0	7.1	21.0	19.0	4.2
35	1626	0° - 90°	4343.3 55.0	4	47	44	47	44	46	43	16.0	30.5	8.4	15.2	22.3	3.1
45	807	90° - 180°	0.0 0.0	5	44	40	43	40	42	39						
55	227			6	41	37	40	37	39	36						
65	4			7	38	34	38	34	37	34						
75	2			8	35	32	35	32	35	31						
85	1			9	33	30	33	30	32	29						
90	0			10	31	28	31	28	31	27						

6B3 (1) 100W metal halide lamp, .64 s/mh, 7900 rated lumens, Test no. LTL9689

cp	Lumens	Zone	Lumens % Lamp	Coefficient of Utilization						Single luminaire data 30" above floor						
				20%		50%		Initial FC		50% beam -		10% beam -				
				pc	80%	70%	50%	30%	50%	30%	50%	30%	50%	30%		
0	4592			0	43	43	42	42	40	40	8.0	151.8	3.5	75.9	7.8	15.2
5	4433	0° - 30°	2075.2 26.3	1	40	39	40	39	38	37	10.0	81.6	4.8	40.8	10.6	8.2
15	3085	0° - 40°	2619.0 33.2	2	38	36	37	36	36	35	12.0	50.9	6.1	25.4	13.4	5.1
25	1815	0° - 60°	2858.7 36.2	3	35	33	35	33	34	32	14.0	34.7	7.3	17.4	16.3	3.5
35	862	0° - 90°	2867.5 36.3	4	33	31	32	31	32	30	16.0	25.2	8.6	12.6	19.1	2.5
45	256	90° - 180°	0.0 0.0	5	31	29	31	29	30	28						
55	26			6	29	27	29	27	28	27						
65	7			7	27	25	27	25	27	25						
75	2			8	26	24	26	24	25	24						
85	0			9	25	23	24	22	24	22						
90	0			10	23	21	23	21	23	21						

6L4, (1) 100W metal halide lamp, 1.2 s/mh, 8000 rated lumens, Test no. 2195020589

cp	Lumens	Zone	Lumens % Lamp	Coefficient of Utilization						Single luminaire data 30" above floor						
				20%		50%		Initial FC		50% beam -		10% beam -				
				pc	80%	70%	50%	30%	50%	30%	50%	30%	50%	30%		
0	1735			0	50	50	49	49	47	47	8.0	57.4	6.7	28.7	12.6	5.7
5	1771	0° - 30°	1429.1 17.9	1	46	44	45	43	43	42	10.0	30.8	9.2	15.4	17.2	3.1
15	1683	0° - 40°	2204.3 27.6	2	41	39	40	38	39	37	12.0	19.2	11.6	9.6	21.8	1.9
25	1694	0° - 60°	3137.3 39.2	3	37	34	36	34	35	33	14.0	13.1	14.1	6.6	26.3	1.3
35	1234	0° - 90°	3390.7 42.4	4	34	30	33	30	32	30	16.0	9.5	16.5	4.8	30.9	1.0
45	746	90° - 180°	0.0 0.0	5	31	27	30	27	29	27						
55	396			6	28	25	28	24	27	24						
65	171			7	26	22	25	22	25	22						
75	62			8	24	20	23	20	23	20						
85	15			9	22	19	22	19	21	18						
90	0			10	20	17	20	17	20	17						





FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

FINISH — Dark bronze (DDB) polyester powder standard. Other architectural colors available.

GROUNDING — A nut holder located immediately inside the handhole rim is provided with a 1/2" – 13 UNC ground bolt and nut.

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number	
Notes	Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

ORDERING INFORMATION

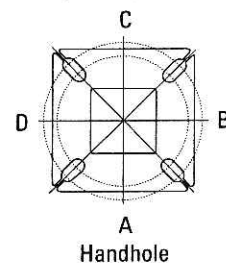
Example: **SSS 20 5C DM19 DDB**

Choose the boldface catalog nomenclature that best suits your needs and write it in the appropriate blank.

SSS

Shaft type	Nominal shaft length	Nominal shaft base size/wall thickness	Mounting ¹	Options	
SSS	10 – 39 feet (See back page.)	(See back page.)	Tenon Mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30² 3-1/2" O.D. (3" NPS) T35² 4" O.D. (3-1/2" NPS) Drill Mounting³ DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° Aeris Drill Mounting³ DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°	Shipped Installed L/AB Less Anchor Bolts VD Vibration Damper TP Tamper Proof Hxx^{4,5} Horizontal Arm Bracket (1 fixture) FDLxx⁴ Festoon Outlet less electrical FGLxx⁴ Festoon GFI Outlet less electrical 12CPxx⁴ 1/2" Coupling 34CPxx⁴ 3/4" Coupling 1CPxx⁴ 1" Coupling 12NPxx⁴ 1/2" Threaded Nipple 34NPxx⁴ 3/4" Threaded Nipple 1NPxx⁴ 1" Threaded Nipple HHxx^{4,6} Extra Handhole	Architectural Colors (powder finish) ⁷ Standard Colors DDB Dark bronze DWH White DBL Black Classic Colors DMB Medium bronze DNA Natural aluminum DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Brightred DSB Steel blue GALV Galvanized finish

HANDHOLE ORIENTATION



NOTES:

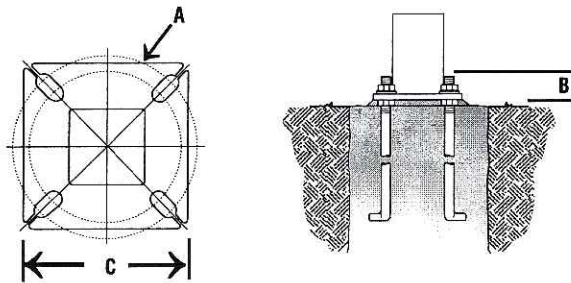
- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
- 3-1/2" and 4" tenons available on 5" and 6" shafts only.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.
- Additional colors available; see Architectural Colors brochure, form no. 794.3.

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.
- Lithonia is not responsible for the foundation design.
- Installation requires grout to be packed under base to ensure full contact with foundation.

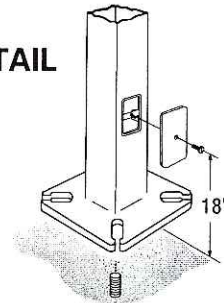
SSS Square Straight Steel Poles

TECHNICAL INFORMATION													
Catalog Number	Nominal shaft length (feet)	Pole Shaft Size(in x in x ft)	Wall Thickness (inches)	Gauge	EPA (ft ²) with 1.3 gust						Bolt Circle (inches)	Bolt Size (in. x in. x in.)	Approximate ship weight (pounds)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.188	7	16.5	415	12.25	310	9.3	240	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.188	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.0	350	12.6	350	9.0	250	10--12	1 x 36 x 4	320
SSS 30 4G	30	4.0 x 30.0	0.188	7	6.4	160	4.0	100	2.3	58	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.188	7	15.7	392	10.2	257	6.4	160	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.188	7	9.5	237	5.0	150	1.8	50	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.188	7	5.1	128	1.3	33	--	--	11--13	1 x 36 x 4	605



Shaft Base Size	Bolt Circle A	Bolt Projection B	Base Square C	Anchor Bolt Description	Warehouse Anchor Description	Template Bolt Number
4"C	8-1/2"	2-3/4"-4"	8"	ABSSS-4C	AB18-0	PJ50004
4"G	8-1/2"	2-3/4"-4"	8"	ABSSS-4G	AB30-0	PJ50004
5"	10"-12"	3-3/8"-4"	11"	ABSSS-5	AB36-0	PJ50010
6"	11"-13"	3-3/8"-4"	12-1/2"	ABSSS-6	AB36-0	PJ50011

BASE DETAIL



IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



FEATURES & SPECIFICATIONS

INTENDED USE— For building- and wall-mounted applications.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has a 1/8" thick tempered glass lens. Door frame is fully gasketed with one-piece solid silicone.

FINISH — Standard finish is **new** textured dark bronze (DDBT) corrosion-resistant polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM — Segmented reflectors for superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

ELECTRICAL SYSTEM — 50W-150W utilizes a high reactance, high power factor ballast. 35S utilizes a reactance high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Quick disconnect plug easily disconnects reflector from ballast. Ballasts are copper-wound and 100% factory-tested. Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V 4KV pulse rated.

INSTALLATION — Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

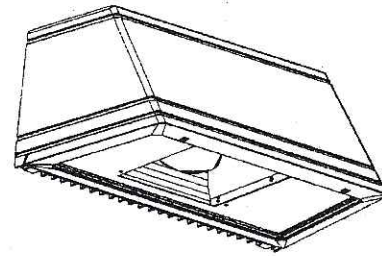
LISTING — UL Listed (standard). CSA Certified (see Options). Suitable for wet locations (damp location listed in lens-up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated.

Catalog Number	
Notes	Type

Decorative Wall-Mounted Lighting

WST

METAL HALIDE
50W-175W
HIGH PRESSURE SODIUM
35W-150W



Specifications

Length: 16.25 (41.2)
Depth: 9.13 (23.2)
Overall Height: 7.25 (18.4)
Max. Weight: 30 lbs (13.6 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **WST 175M FT 120 SF LPI DNAT**

WST

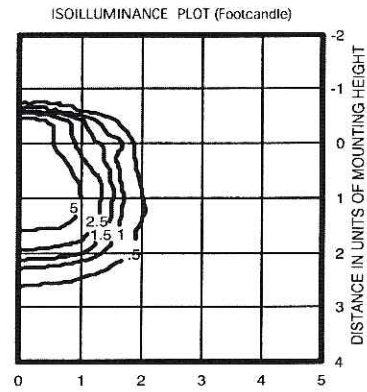
Series	Wattage/Source	Distribution	Voltage	Options	
WST	Metal Halide	FT Forward throw	120	Shipped Installed In Fixture	WSTWG Wire guard ⁶
	50M	MD Medium throw	208²	SF Single fuse (120, 277, 347V, n/a TB)	WSTVG Vandal guard ⁶
	70M	(coated lamp std.)	240²	DF Double fuse (208, 240V, n/a TB or TBV)	Architectural Colors⁸
	100M	WT Wide throw	277	EC Emergency circuit (25W max 120V, incandescent lamp included)	Standard Textured Colors
	150M		347	DC12 Emergency circuit 12 volt (35W lamp included std.) ⁵	DDBT Dark bronze (std.)
	175M		TB³	DC2012 Emergency circuit 12 volt (20W lamp included)	DSST Sandstone
	High Pressure Sodium		TBV⁴	QRS Quartz restrike system (100W max 120V, quartz lamp not included)	DNAT Natural aluminum
	35S¹			CR Enhanced corrosion resistance	DWHG White
	50S			CRT Non-stick protective coating (black only)	DBLB Black
	70S			PE Photoelectric cell-button type (n/a TB/TBV) ⁵	Optional Textured Colors
	100S			WLU Wet location door for up orientation	DBNH Bronze
	150S			IBS Internal backlight shield ⁷	DSPD Dark gray
				DFL Diffusing lens	DSPJ Light gray
				LPI Lamp included (std)	DSPE Green
				L/LP Less lamp	DSPG Dark red
				CSA CSA Certified	DSPF Rust
				Shipped Separately	DSPH Red
				WSBBW Surface-mounted back box	Striping
				UT5 Uptilt 5 degrees	SDDB Dark bronze
					SDWH White
					SDBL Black
					SDNA Natural aluminum
					SDTG Tennis green
					SDBR Bright red
					SDBUA Dark blue
					SDGYM Gray
					SDYLB Yellow

NOTES:

- 120V only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada).
- Optional penta-tap ballast (120, 208, 240, 277, 480V; not available in Canada). 175W metal halide only.
- Not available with SF, DF or QRS.
- Must be ordered with fixture; cannot be field installed.
- Not available with medium throw (MD) distribution.
- Additional architectural colors available; see www.lithonia.com for more information.

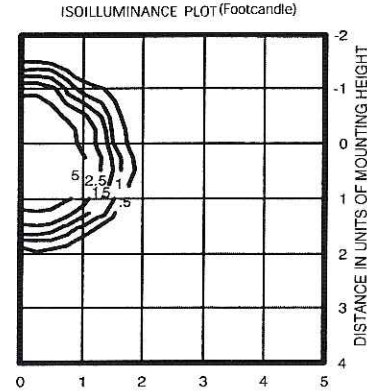
WST Metal Halide, High Pressure Sodium Building Mounted

WST 175M FT TEST NO: LTL11069



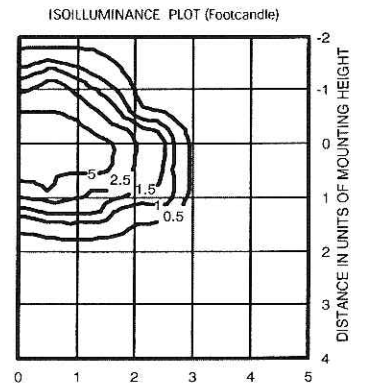
175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 52.9%

WST 175M MD TEST NO: LTL11068



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 11080 rated lumens.
Luminaire Efficiency: 60.2%

WST 175M WT TEST NO: LTL11070



175W metal halide lamp, horizontal lamp orientation
Footcandle values based on 12'
mounting height, 12800 rated lumens.
Luminaire Efficiency: 62.4%

Lamp	Initial Lumens	Mounting Height			
		10'	12'	14'	16'
Metal Halide					
50W MH	3,900	0.43	0.30	0.22	0.17
70W MH	5,500	0.62	0.43	0.31	0.24
100W MH	8,500	0.95	0.66	0.48	0.37
150W MH	12,500	1.41	0.98	0.72	0.55
175W MH	12,800	1.44	1.0	0.73	0.56
High Pressure Sodium					
35W HPS	2,250	0.26	0.18	0.13	0.10
50W HPS	4,000	0.45	0.31	0.23	0.17
70W HPS	6,400	0.72	0.50	0.37	0.28
100W HPS	9,500	1.07	0.74	0.54	0.41
150W HPS	16,000	1.80	1.25	0.91	0.70



1. SCHROEDER ROAD



2. SCHROEDER ROAD



3. SCHROEDER ROAD



4. ON VITENSE PROPERTY



5. WHITNEY WAY (EAST)



6. WHITNEY WAY (EAST)



7. WHITNEY WAY (SOUTHWEST)



8. WHITNEY WAY (WEST)



9. CORNER OF SCHROEDER & WHITNEY WAY



10. SCHROEDER ROAD (SOUTH)



11. EXISTING VITENSE BUILDING



12. EXISTING VITENSE BUILDING