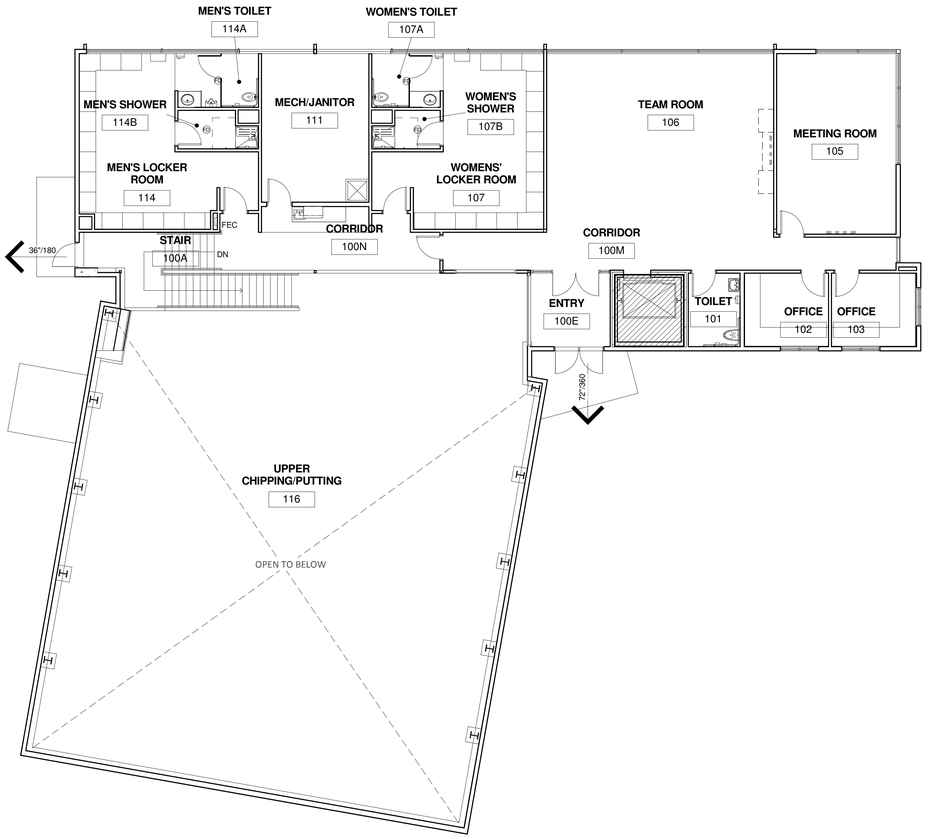
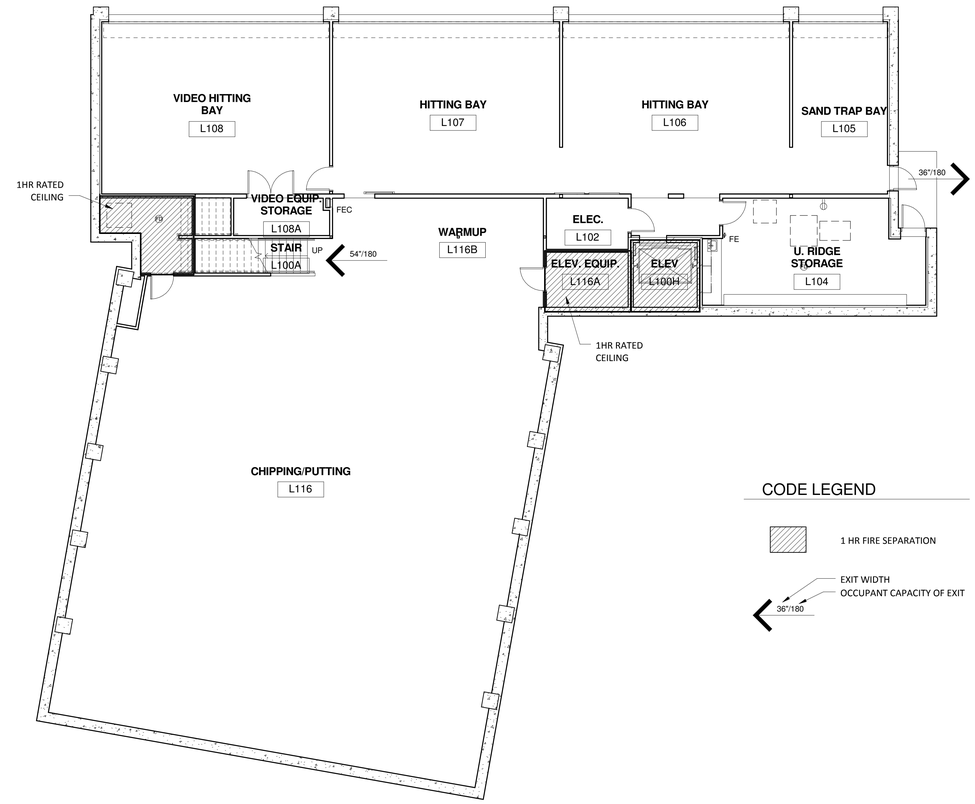


2 A002 FIRST FLOOR PLAN CODE PLAN
1/8" = 1'-0"



1 A002 LOWER LEVEL PLAN CODE PLAN
1/8" = 1'-0"

CODE INFORMATION

University of Wisconsin All Season Golf Practice Facility
University Ridge Golf Course
9002 County Road PD
Madison, Wisconsin

PLI Project No. **2010.20.00**
DSF Project No. **10J1L**
April 27, 2011
Revised May 2, 2011

Means of Egress

ITEM	REQUIRED	PROVIDED / REMARKS
Number of Exits	2 per occupied floor	2 provided from first floor & LL
Exit Access Travel Distance	300 ft. max. (Type B Occup.)	OK
Common Path of Travel	100 Ft. max. (type B Occup.)	OK
Corridor Fire Rating	Not required	
Egress Width		
Stairways	.3" per occup.	
Other Egress Components	.2" per occup.	

Fire Resistances, Suppression and Alarm

ITEM	REQUIRED	PROVIDED
Fire Resistance Rating for all Building Components:	Per IBC 903.2	Per IBC 903.2
Fire Suppression	Not required	Fully sprinkled per Mad. FD
Fire Alarm System		Complete automatic detection per DSF Standard

Sanitary Fixtures

Fixtures required per IBC Chapter 3, COMM 62 and table 2902.1
Based on "Total Estimated Actual Occupants"

Compliance Check	Urinals	Water Closets		Lavatories		Service Sink
		Male	Female	Male	Female	
Number of fixtures **Required**		1	1	1	1	1
Number of fixtures **Provided**	1	1	1	1	1	1
Unisex Toilets **Provided**		1	1	1	1	

General Code Information

ITEM	INFORMATION	REMARKS
Design code(s):	2009 International Building Code	
	Building Code	
Occupancy(ies):	Business Group B	Non-separated mixed use
	Type V-B	
Construction type:		
Building height & no. of stories:		
Stories	2	
Building Height	32 feet	40' permitted for V-B
Fully Sprinkled?	Yes, per WCBC 903.3.1.1	Required by Madison FD

Building Areas

ITEM	ALLOWABLE AREA / FLOOR; NO. OF STORIES	ACTUAL AREA / FLOOR; NO. OF STORIES
Construction Type		
Type V-B Occ. B	9,000 GSF; 3 stories	7,640 GSF + 3,782 GSF; 2 stories
		7,640 + 3,782
Areas of different construction		Total Building Area = 11,422 GSF
types separated by a 2 hr firewall		

Occupant Loads

OCCUPANCY	ALLOWABLE SF/OCCUPANT Per Table 1004.1.1	TOTAL OCCUPANTS Calculated	Actual	
Lower Level Floor				
U Ridge Storage	300 sf gross	1	1	
Total First Floor		1	1	Occupant
First Floor				
Locker room (Men)	50 sf gross	12	12	
Locker room (Women)	50 sf gross	12	12	
Coaches offices	100 sf gross	2	2	
Total Second Floor		26	26	Occupants
Total Calculated Occupants		27		
Total Estimated Actual Occupants			27	Occupants

Architect:
Potter Lawson

PLI Project No:
2010.20.00

Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

Agency / Institution:
FP&M
UW - MADISON

Project Title:
UW MADISON ALL-SEASON GOLF PRACTICE FACILITY

Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
CODE PLANS

Revisions:

No.	Date:	Description:
	11/14/2011	100% Final Review
	12/15/2011	Bid Documents

Graphic Scale 0' 2' 4' 8' 12'

DSF Number: **10J1L**

Set Type: **BD**

Date Issued: **12/15/2011**

Sheet Number: **A002**

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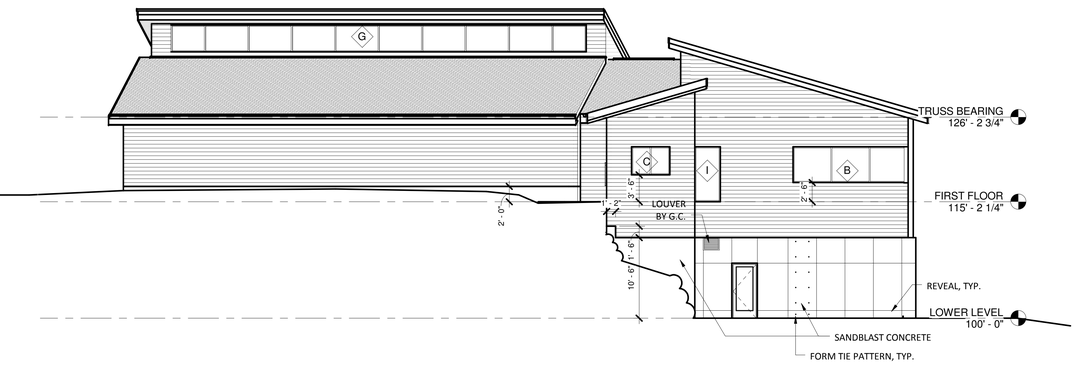
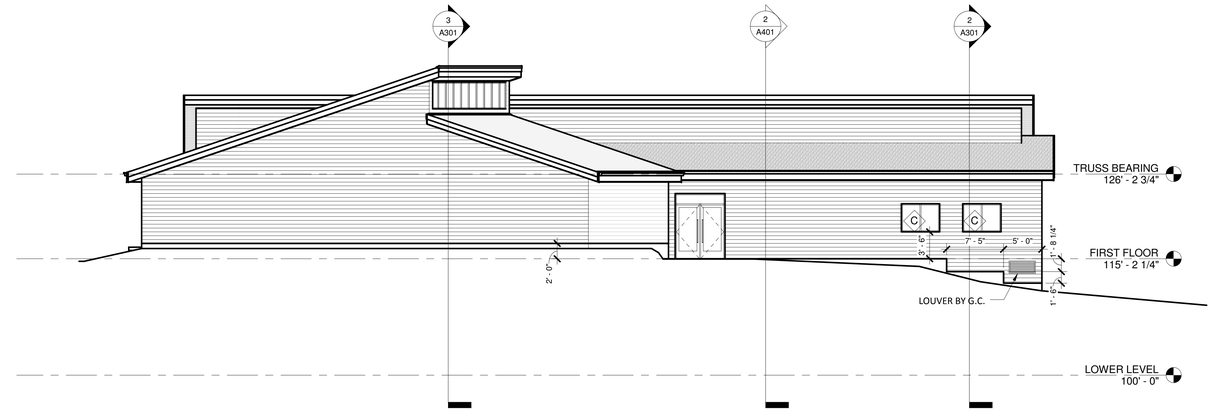
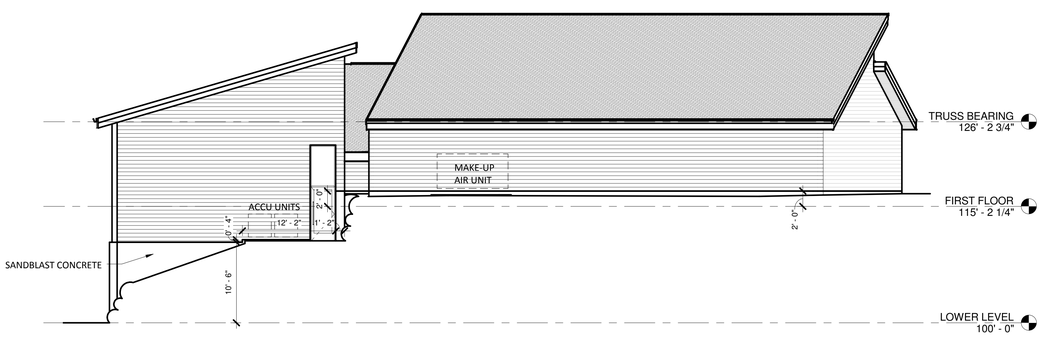


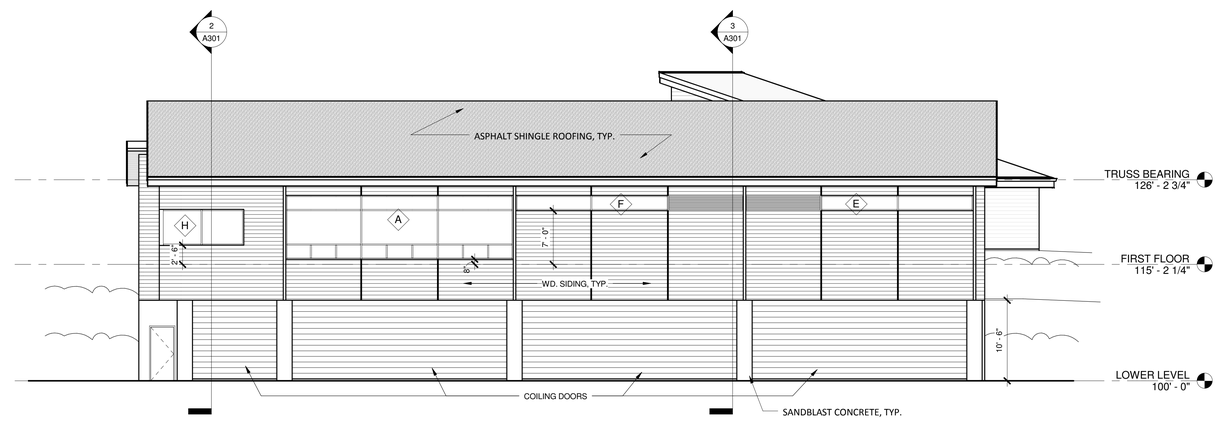
2 A201 SOUTH ELEVATION
1/8" = 1'-0"



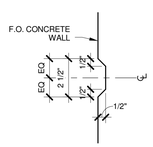
1 A201 WEST ELEVATION
1/8" = 1'-0"



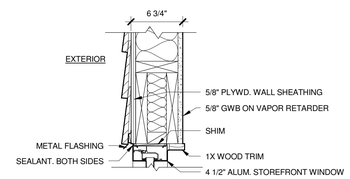
4 A201 NORTH ELEVATION
1/8" = 1'-0"



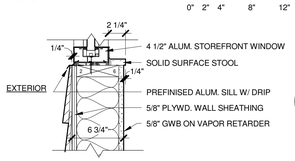
3 A201 EAST ELEVATION
1/8" = 1'-0"



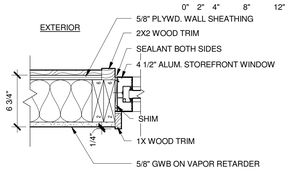
9 A201 CONCRETE REVEAL DETAIL
3" = 1'-0"



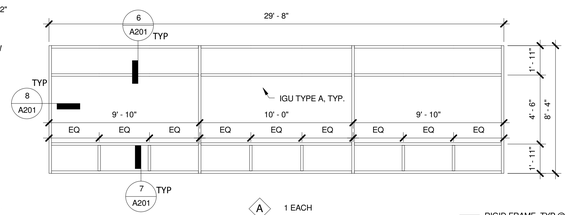
6 A201 HEAD DETAIL
1 1/2" = 1'-0"

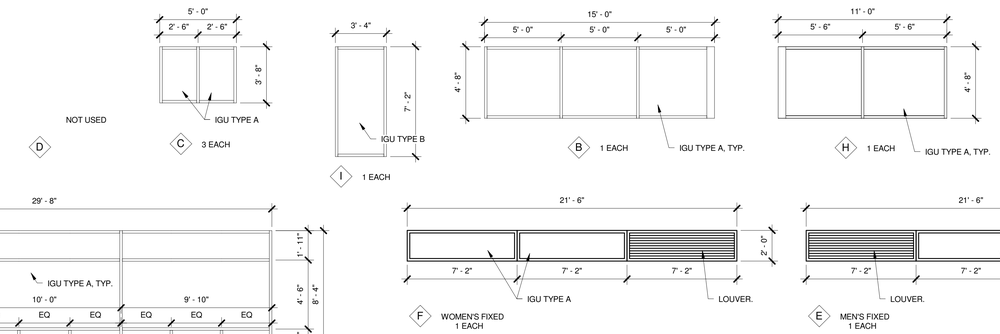


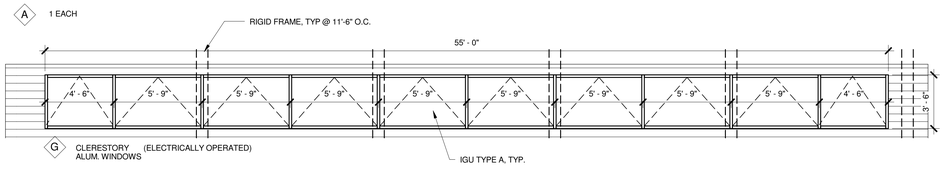
7 A201 SILL DETAIL
1 1/2" = 1'-0"



8 A201 JAMB DETAIL
1 1/2" = 1'-0"







5 A201 WINDOW TYPES
1/4" = 1'-0"

*ALL ARE ALUM. STOREFRONT WINDOW FRAMING U.N.O.

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Architect:
Potter Lawson

PLI Project No:
2010.20.00

Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

Agency / Institution:
FP&M
UW - MADISON

Project Title:
UW MADISON ALL-SEASON GOLF PRACTICE FACILITY
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Project Location:

Sheet Title:
BUILDING ELEVATIONS

Revisions:

No.	Date:	Description:
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	11/14/2011	100% Final Review
	12/15/2011	Bid Documents

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DSF Number	10J1L
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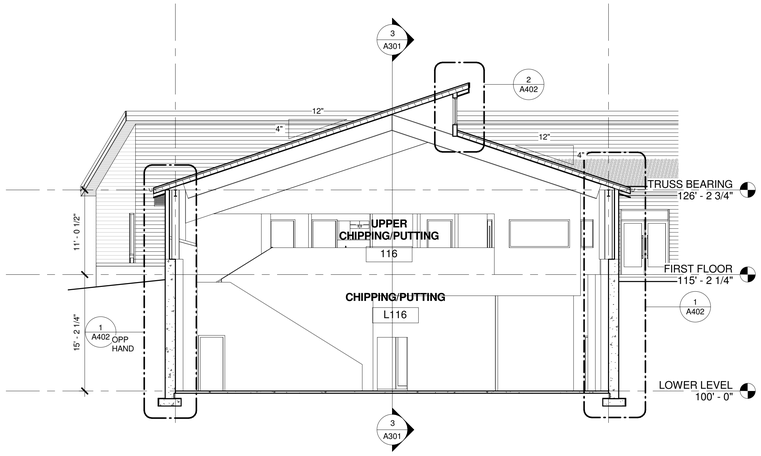
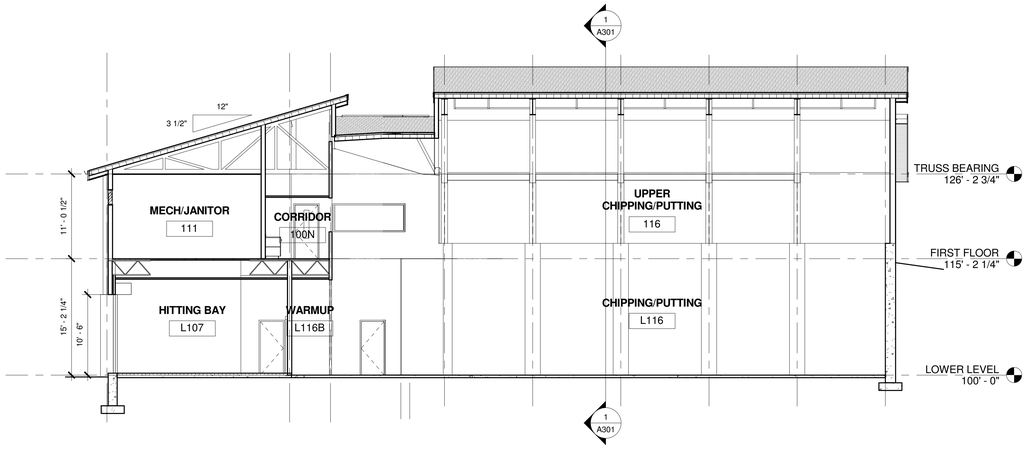
Date Issued	12/15/2011
Sheet Number	A201



1 / A301 NS SECTION LOOKING EAST

1/8" = 1'-0"

0' 2' 4' 8' 12'



3 / A301 EW SECTION LOOKING SOUTH

1/8" = 1'-0"

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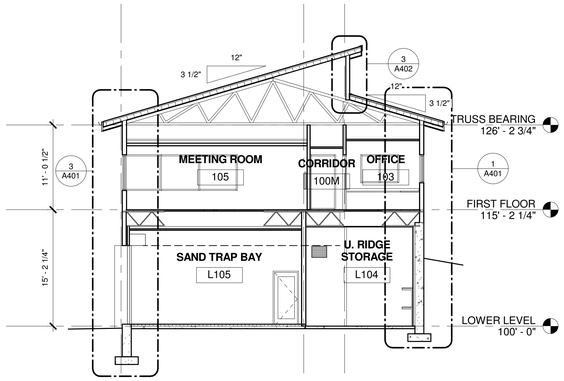

2 / A301 EW SECTION LOOKING SOUTH

1/8" = 1'-0"

0' 2' 4' 8' 12'

12/13/2011 4:16:13 PM

Architect:

Potter Lawson

PLI Project No:
2010.20.00

Consultant:

State of Wisconsin
Department of Administration
Division of State Facilities

Agency / Institution:
FP&M
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Project Title:
UW MADISON ALL-SEASON GOLF PRACTICE FACILITY

Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
BUILDING SECTIONS

Revisions:

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	11/14/2011	100% Final Review
	12/15/2011	Bid Documents

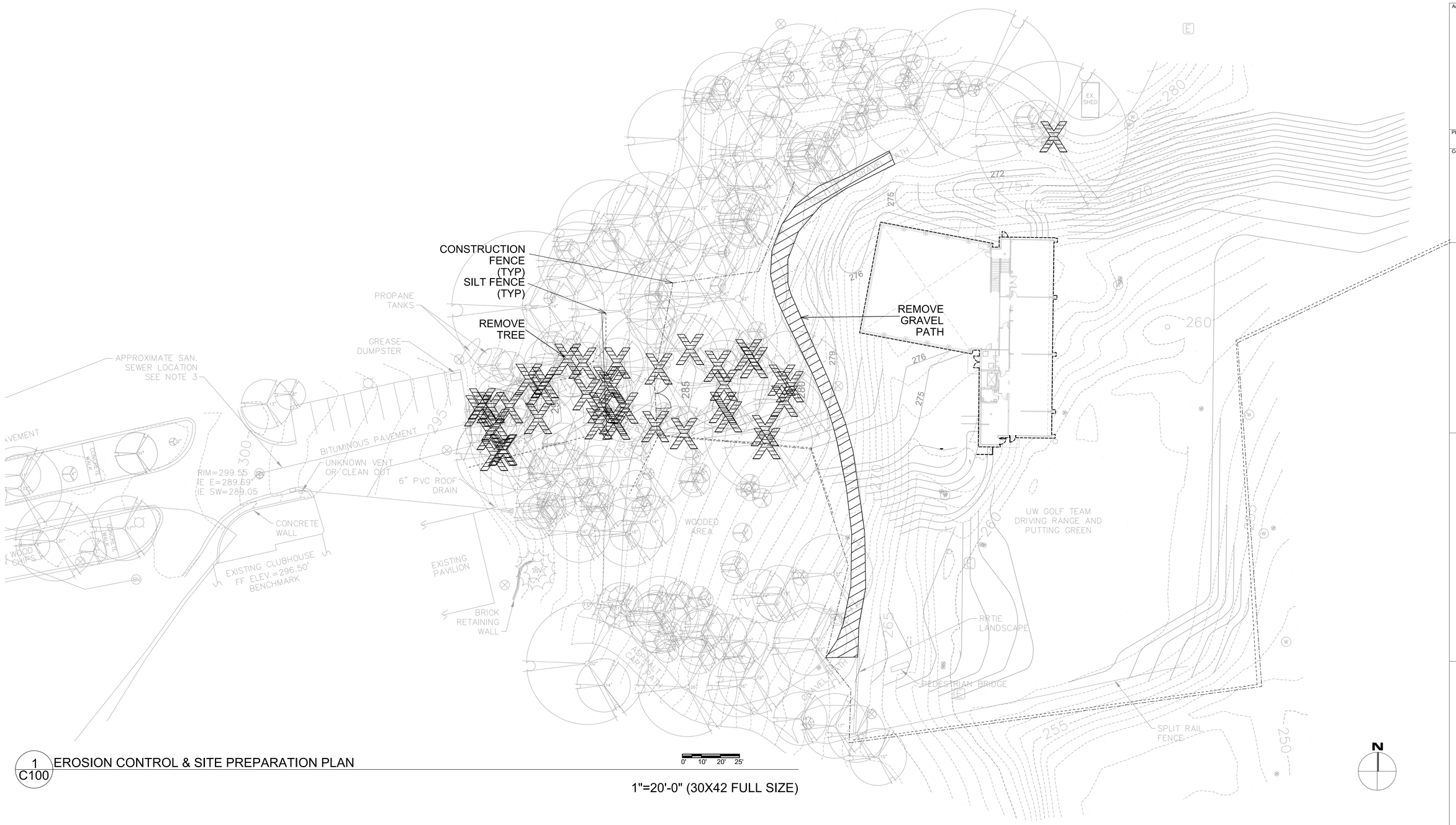
Graphic Scale 0' 2' 4' 8' 12'

DSF Number: 10J1L

Set Type: BD

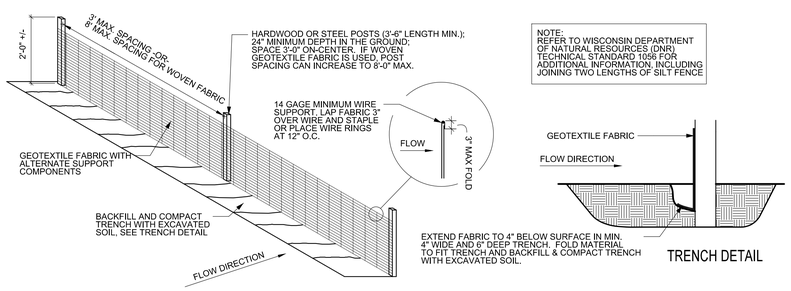
Date Issued: 12/15/2011

Sheet Number: **A301**



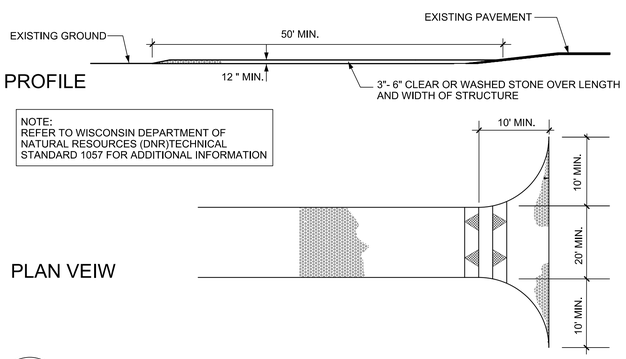
1 C100 EROSION CONTROL & SITE PREPARATION PLAN

1"=20'-0" (30X42 FULL SIZE)



2 C100 SILT FENCE

NTS



3 C100 STONE TRACKING PAD

NTS

1) LENGTH - MINIMUM OF 50'.

2) WIDTH - 20' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

3) GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE.

4) STONE - 3" TO 6" WASHED GGREGATE (3"-6" OF RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 12" DEEP OVER THE LENGTH AND WIDTH OF ENTRANCE.

5) SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" OF STONE OVER THE PIPE TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.

6) LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

7) PROVIDE STABILIZED CONSTRUCTIOIN ENTRANCE IN ACCORDANCE WITH DNR TECH STD. 1057, EXCEPT AS NOTED.

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Project Title:
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Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
EROSION CONTROL AND SITE PREPARATION PLAN

Revisions:

No.	Date:	Description:
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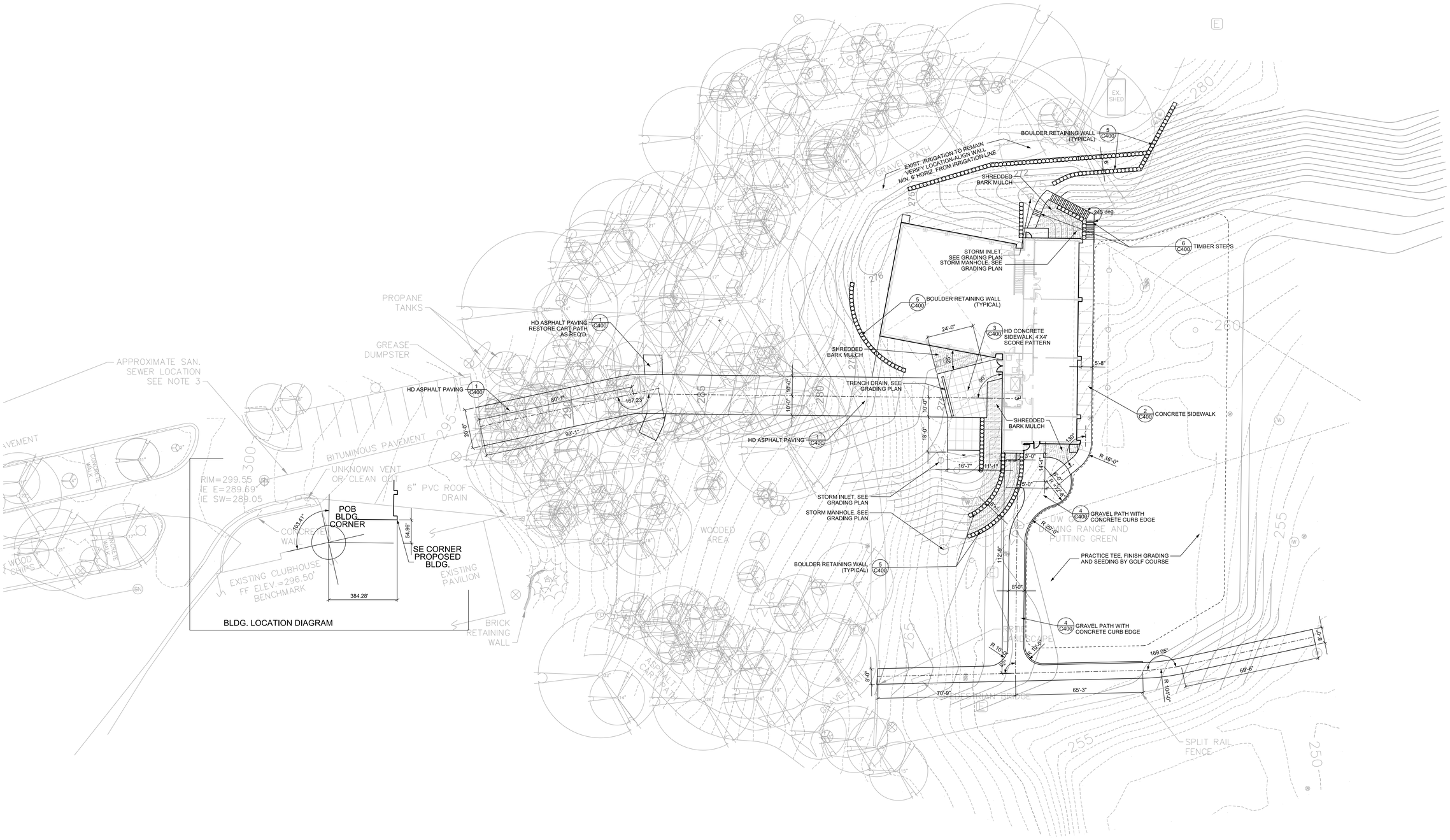
	12/15/2011	Bid Drawings

Graphic Scale	SEE PLAN
DSF Number	10J1L
Set Type	BD
Date Issued	12/15/2011
Sheet Number	C100



N

Architect:

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2010.20.00

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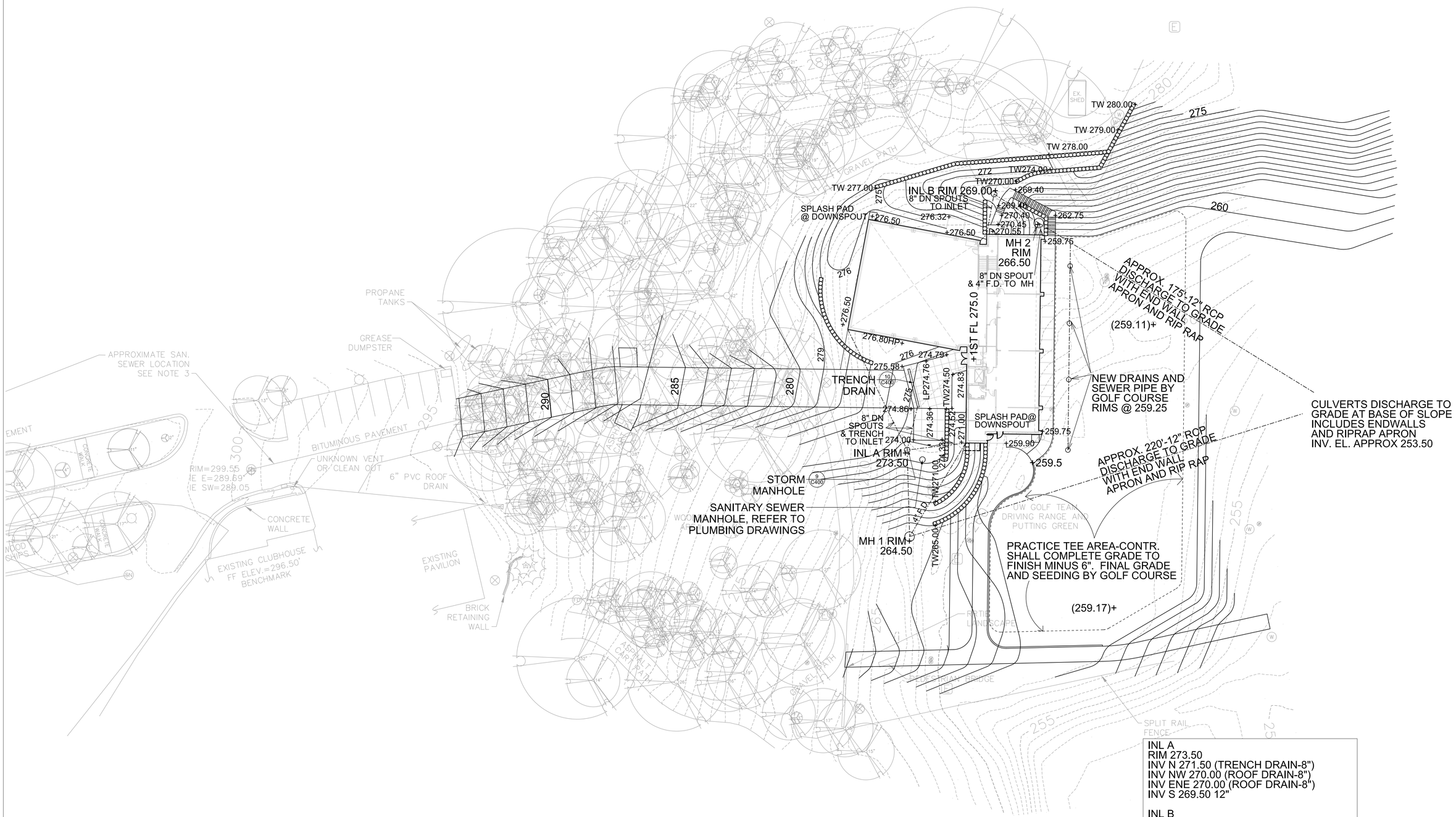
Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
SITE LAYOUT PLAN

Revisions:

No.	Date:	Description:
	11/14/2011	100% Final Review
	12/15/2011	Bid Drawings

Graphic Scale	0' 10' 20' 25'
DSF Number	10J1L
Set Type	BD
Date Issued	12/15/2011
Sheet Number	C200



INL A
RIM 273.50
INV N 271.50 (TRENCH DRAIN-8")
INV NW 270.00 (ROOF DRAIN-8")
INV ENE 270.00 (ROOF DRAIN-8")
INV S 269.50 12"

INL B
RIM 269.00
INV S 266.00 (ROOF DRAIN-8")
INV SE 265.50 8"

MH1
RIM 264.50
INV N 261.50 12"
INV NE 255.04 (FOUNDATION DRAIN-4")
INV E 255.04 12"

MH2
RIM 266.50
INV NW 264.00 8"
INV S 264.00 (ROOF DRAIN-8")
INV S 257.0 (FOUNDATION DRAIN-4")
INV SE 255.00 12"

N

Architect:

Potter Lawson

PLI Project No:
2010.20.00

Consultant:

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Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
SITE GRADING & DRAINAGE PLAN

Revisions:

No.	Date:	Description:
	11/14/2011	100% Final Review
	12/15/2011	Bid Drawings

Graphic Scale 0' 10' 20' 25'

DSF Number 10J1L

Set Type BD

Date Issued 12/15/2011

Sheet Number **C300**

LIGHTING FIXTURE SCHEDULE

NOTE: SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE AND INSTALLATION REQUIREMENTS. MANUFACTURERS LISTED AS ACCEPTABLE SHALL MEET ALL REQUIREMENTS AND FEATURES INDICATED. ACCEPTABLE MANUFACTURERS MUST MEET THE PHOTOMETRIC PERFORMANCE OF THE LISTED UNIT.

ABBREVIATIONS:

DW = DRY WALL
ES = EXPOSED STRUCTURE
LG = LAY IN GRID
P = PENDANT
PL = PLASTER
R = RECESS
S = SURFACE
W = WALL MOUNTED
V = VARIES

DES.	LAMP DATA		DESCRIPTION	LIGHTING FIXTURE		BALLAST			LAMPS		VOLT	MOUNT	CEILING TYPE	FIXTURE DEPTH	ACCEPTABLE MANUFACTURERS
	NO.	TYPE		MANUFACTURER	CATALOG NUMBER	MANU.	CATALOG NUMBER	STEP DIM	MANUFACTURER	CATALOG NUMBER					
A	1	F32T8 SP50	4' STRIP	METALUX	SSF-132-UNV-EB81	SYLVANIA	QHE1X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	S	V	3-5/8"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
A2	2	F32T8 SP50	4' STRIP	METALUX	SSF-232-UNV-EB81	SYLVANIA	QHE2X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	S	V	3-5/8"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
B	2	F32T8 SP50	1X4 LENSED TROFFER	COLUMBIA	4PS-14-2-32-G-FSA12-E-U	SYLVANIA	QHE2X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	R	LG	4-1/4"	DAYBRITE,WILLIAMS,LITHONIA, METALUX
C	2	F32T8 SP50	4' INDUSTRIAL	METALUX	VT3-232-DR-UNV-EB81-WL-GT4	SYLVANIA	QHE2X32T8/UNVISL-SC		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	S	V	5"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
D	2	F32T8 SP50	2X4 VOLUMETRIC TROFFER	METALUX	2AC-232-UNV-HR81DIM	SYLVANIA	QHES2X32T8/UNV/PSN-SC	X	SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	R	LG	3-1/4"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
E	1	55W INDUCTION	10" DOWNLIGHT WET LOCATION	ESCO LIGHTING	R152750-1	PHILIPS	QL GENERATOR 55W		PHILIPS	QL LAMP 55W/850	120	R	V	13"	PORTFOLIO, OMEGA, LITHONIA, PRESCOLITE
F	1	42W TTT	6" DOWNLIGHT	PORTFOLIO	C6-142E-6151-LI	GE	GEC226-MVPS-3W		GE	F42TBX/841/A/ECO	120-277	R	V	6-1/2"	OMEGA,INFINITY,GOTHAM, PRESCOLITE
G	1	F32T8 SP50	4' WALL BRACKET	METALUX	BIU-132-UNV-EB81	SYLVANIA	QHE1X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	W	-	3-1/2"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
H	3	F54T5HO SP50	4' WALL BRACKET / INDIRECT (16'-0" AFF)	SPI	E1W9340FT-3F54-120V-WHITE	SYLVANIA	QT3X54/120PHO		SYLVANIA	FP54/850/HO	120	W	-	8"	PINNACLE, LAM, INSIGHT
J	-	LED	EXTERIOR WALL SCONCE	KIM	WD14-D-4-60-L5K-120-DB	-	INCLUDED		-	INCLUDED	120	W	-	9"	NONE
L	1	150W INDUCTION	EXTERIOR FLOODLIGHT	PHOENIX	PHLFL-23-200-50-120-YM-BZ	-	INCLUDED		-	INCLUDED	120	W	-	23"	MCGRAW EDISON, GARDCO, LITHONIA
M	1	F32T8 SP50	4' UNDERCABINET	METALUX	CL-132-UNV-EB81	SYLVANIA	QHE1X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	S	-	1-13/16"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
N	1	42W TTT	6" DOWNLIGHT	PORTFOLIO	C6-142E-6181-L13WF	GE	GEC226-MVPS-3W		GE	F42TBX/841/A/ECO	120-277	R	V	6-1/2"	OMEGA,INFINITY,GOTHAM, PRESCOLITE
OC	-	LED	LIGHT POLE (14'-0" POLE / 2'-0" BASE)	KIM	1SA/SAR2/150PMH120/DB	-	INCLUDED		-	INCLUDED	120	-	-	6"	NONE
P1	4	42W TTT	DECORATIVE PENDANT	OCL LIGHTING	FB1-P1EC-30-CC/GW-PTD-4TT42-120-18-DMA	ADVANCE	RE2-2Q26-M2-BS		GE	F42TBX/841/A/ECO	120	P	ES	18"	NONE
P2	4	42W TTT	DECORATIVE PENDANT	OCL LIGHTING	FB1-P1EC-30-CC/GW-PTD-4TT42-120-54-DMA	ADVANCE	RE2-2Q26-M2-BS		GE	F42TBX/841/A/ECO	120	P	ES	54"	NONE
B2	4	F32T8 SP50	2X4 LENSED TROFFER	METALUX	2GC8-432-A125-UNV-EB82-PAF	SYLVANIA	QHE2X32T8/UNVISL-SC-1		SYLVANIA	F032/25W/850XP/SS/ECO3	120-277	R	LG	4-1/4"	DAYBRITE,WILLIAMS,LITHONIA, COLUMBIA
T	-	LED	SPOTLIGHT	AMERLUX	C3TV-30-LED-E-BT-C-120-3000	-	INCLUDED		-	INCLUDED	120	W	-	6"	NONE
EM	-	5.4W	EMERGENCY	LITHONIA	ELM2-LED-HO-SD	-	-		-	-	120-277	W	-	4-1/4"	FAILSAFE,MCPHILBEN
EMA	-	6W	EXTERIOR EMERGENCY EGRESS	LITHONIA	AFN-DB-EXT	-	-		-	-	120-277	W	V	10"	FAILSAFE,MCPHILBEN
XEM	-	LED	COMBINATION EXIT LIGHT / EMERGENCY	LITHONIA	LHQM-LED-R-HO-SD	-	-		-	-	120-277	V	V	8"	FAILSAFE,MCPHILBEN

LIGHTING FIXTURE SCHEDULE NOTES:

1. MANUFACTURER NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. EQUIPMENT MANUFACTURED BY OTHERS WILL BE EQUALLY ACCETABLE PROVIDED THEY MEET OR EXCEED THE SPECIFICATIONS.
2. ALL MULTI-LAMP BALLASTS SHALL BE WIRED IN PARALLEL, NOT IN SERIES.
3. ALL FIXTURES WITH ACCEPTABLE MANUFACTURERS LISTED AS "NONE" ARE TO BE PROVIDED AS SPECIFIED AS THEY ARE THE CAMPUS STANDARD ON LIGHT POLES, PROVIDE A MATCHING 14'0" POLE PER THE CAMPUS STANDARD

OCCUPANCY SENSOR SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	SENSOR TYPE	MOUNTING	MINIMUM COVERAGE AREA
A	HUBBELL	OMNIIRRP	PASSIVE INFRARED	CEILING	450 SQ. FT.
B	HUBBELL	ATP1600WRP	PASSIVE INFRARED	WALL	1600 SQ. FT.
C	WATTSTOPPER	HB350B-L1-HBL4	PASSIVE INFRARED	WALL	45' DIA @ 30' AFF
D	WATTSTOPPER	PW-100	PASSIVE INFRARED	WALL	1000 SQ. FT.

OCCUPANCY SENSOR SCHEDULE NOTES:

GENERAL:

MANUFACTURER NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. EQUIPMENT MANUFACTURED BY OTHERS WILL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED THE SPECIFICATIONS.

PROVIDE ALL POWER/SWITCH PACKS AND SLAVE RELAY PACKS AS REQUIRED, TO ACHIEVE LIGHTING INTENTIONS SHOWN.

DUAL TECHNOLOGY SENSORS ARE AN ACCEPTED EQUIVALENT.

OCCUPANCY SENSOR LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. ACTUAL LOCATION TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO THAT THE SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. THE TRAINED FACTORY PERSONNEL SHALL PERFORM THE FINAL TIME SETTINGS AND TESTING

MOTOR WIRING SCHEDULE

BOL = BUILT-IN OVERLOAD
MAG = MAGNETIC STARTER
MAN = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
RVS = REDUCED VOLTAGE STARTER
2SP = 2 SPEED MAGNETIC STARTER
IU = IN UNIT
NU = NEAR UNIT
OU = ON UNIT
CS = COMBINATION STARTER
DS = DISCONNECT
EC = ELEC. CONTRACTOR
HC = MECH. CONTRACTOR
(3R) = NEMA 3R WEATHERPROOF
PC= PLUMBING CONTRACTOR

HP	VOLT	Ø	LOC	DRIVING	FEED FROM		BREAKER		BRANCH WIRING				STARTER WIRING				DISC. WIRING					NOTES
					PANEL	CKT	SIZE	POLE	NO.	SIZE	GRND.	COND.	NEMA	TYPE	BY	LOC.	SIZE	POLE	TYPE	BY	LOC.	
1/4	120	1	100A	Exhaust Fan EF-3	B	52	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	100A	-
3.0kW	208	1	100A	Electric Unit Heater EUH-1	B	64,66	20	2	2	12	12	1/2	-	-	-	-	30	2	DS	EC	100A	-
1.0kW	208	1	107A	Electric Wall Heater EWH-2	B	72,74	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	-
1.0kW	208	1	114A	Electric Wall Heater EWH-3	B	54,56	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	-
5.2A	208	3	111	Energy Recovery Ventilator ERV-1	B	58,60,62	15	3	3	12	12	1/2	1	CS	EC	111	-	-	-	-	-	-
12.7A	120	1	111	Furnace F-1	B	68	15	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	OU	-
19.1A	120	1	111	Furnace F-2	B	70	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	OU	-
1.0kW	208	1	101	Electric Wall Heater EWH-1	B	80,82	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	-
3.0kW	208	1	100E	Electric Wall Heater EWH-5	B	76,78	20	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	-
240W	120	1	L116	Destratification Fan DSF-2	A	81	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L116	-
240W	120	1	L116	Destratification Fan DSF-1	A	81	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L116	-
15A	120	1	L108	Infrared Heater IRH-1	A	63	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L108	-
15A	120	1	L107	Infrared Heater IRH-2	A	65	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L107	-
15A	120	1	L106	Infrared Heater IRH-3	A	67	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L106	-
15A	120	1	L105	Infrared Heater IRH-4	A	69	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L105	-
1/12	120	1	L104	Exhaust Fan EF-2	A	77	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L104	-
1/8	120	1	L104	Exhaust Fan EF-1	A	77	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L104	-
2.0kW	208	1	100A	Electric Wall Heater EWH-4	B	48,50	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	-
5	208	3	GRADE	Makeup Air Unit MUA-1	A	57,59,61	35	3	3	8	10	3/4	-	CS	HC	1U	-	-	DS	HC	IU	-
23.1A	208	1	GRADE	Condensing Unit ACCU-2	A	53,55	30	2	2	10	10	3/4	-	-	-	-	30	2	DS(3R)	EC	OU	3
28.7A	208	1	GRADE	Condensing Unit ACCU-1	A	49,51	40	2	2	8	10	3/4	-	-	-	-	60	2	DS(3R)	EC	OU	3
25A	208	3	L116A	Elevator	A	71,73,75	110	3	3	2	6	1 1/4	-	-	-	-	200	3	DS	EC	L116A	-
1	208	3	L104	Makeup Air Unit MUA-2	A	79,81,83	15	3	3	12	12	1/2	1	CS	EC	L104	-	-	-	-	-	-
FRAC.	120	1	111	Circulation Pump CP-1	B	84	20	1	2	12	12	1/2	1	CS	EC	111	-	-	-	-	-	-
2@1.5	208	3	SITE	Sanitary Ejector SE-1	A	2,4,6	20	3	3	12	12	1/2	-	-	-	-	30	2	DS	PC	L104	1
3/4	208	1	L104	Sump Pump SP-1 / Control Panel	A	8,10	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	EC	L116A	2
129W	120	1	L102	Transfer Fan TF-1	A	33	20	1	2	12	12	1/2	-	-	-	-	-	-	DS	EC	L102	-
1.0kW	208	1	L116C	Electric Wall Heater EWH-6	A	44,46	15	2	2	12	12	1/2	-	-	-	-	30	2	DS	HC	IU	2

MOTOR WIRING SCHEDULE NOTES:

1. PROVIDE A 208V, 25A/2P CONNECTION TO SANITARY EJECTOR AND SANITARY EJECTOR CONTROL PANEL / DISCONNECT IN #L104.
2. PROVIDE A 208V, 15A/2P CONNECTION TO SUMP PUMP IN ELEVATOR PIT AND SUMP PUMP CONTROL PANEL IN #L104.

PANEL SCHEDULE

ABBREVIATIONS:
F = FLUSH
S = SURFACE
MLO = MAIN LUGS ONLY
MCB = MAIN CIRCUIT BREAKER

DES.	BREAKER									1 POLE SPACE	LOC.	MTG.	BUSSING	VOLT	NUMBER OF TUBS	20 CIRCUITS EACH	42 CIRCUITS EACH	84 CIRCUITS EACH	KAIC RATING
	QTY.	P	AMP	QTY.	P	AMP	QTY.	P	AMP										
A	50	1	20	1	2	40	1	3	110	12	L102	S	400A MLO	120/208V 3Ø, 4W	2		X		22
	2	2	15	1	3	20	1	3	225										
	1	2	30	1	3	35	1	3	15										
B	1	1	15	4	2	15	1	2	30	27	111	S	225A MLO	120/208V 3Ø, 4W	1			X	22
	37	1	20	2	2	20													
	2	1	25	2	3	15													

SYMBOLS LIST:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE.

LIGHTING:

- CEILING MOUNTED FLUORESCENT FIXTURE
  - A-a-#
  - CIRCUIT NUMBER
  - CIRCUIT SWITCH LEG. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH OR OCCUPANCY SENSOR.
  - FIXTURE DESIGNATION (SEE SCHEDULE THIS SHEET)
- CEILING OR SURFACE MOUNTED FLUORESCENT FIXTURE
- CEILING MOUNTED 2'X4' FLUORESCENT FIXTURE
- CEILING MOUNTED 1'X4' FLUORESCENT FIXTURE
- WALL MOUNTED FLUORESCENT FIXTURE
- WALL MOUNTED FIXTURE
- INDICATES FIXTURE EQUIPPED WITH EGRESS CAPABILITIES
- LIGHTING FIXTURE - CEILING RECESSED
- SURFACE MOUNTED FLUORESCENT FIXTURE
- SELF CONTAINED EMERGENCY LIGHT UNIT
- EXIT LIGHT. SHADING INDICATES FACE(S) OF EXIT.
- COMBINATION EXIT/EMERGENCY FIXTURE
- 3 a — SINGLE POLE SWITCH - TOGGLE TYPE - MOUNT AT 44" AFF, UNLESS NOTED OTHERWISE
  - SWITCH DESIGNATION
  - SWITCH TYPE
    - (3) 3 WAY
    - (4) 4 WAY
- OS — LIGHTING CONTROL OCCUPANCY SENSOR. CEILING MOUNTED. SEE SCHEDULE THIS SHEET FOR TYPE.
- OS — LIGHTING CONTROL OCCUPANCY SENSOR. WALL MOUNTED. SEE SCHEDULE THIS SHEET FOR TYPE.
- IN-WALL TIMER - TORK #SSA-100 OR EQUIVALENT
- 3 — 3-WAY WALL BOX DIMMER

POWER:

- 3 — DUPLEX RECEPTACLE - MOUNTED 44" AFF UNLESS NOTED OTHERWISE
  - CIRCUIT NUMBER (SEE PLAN FOR PANEL BOUNDARIES) - TYPICAL
- GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE - MOUNTED 44" AFF OR 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT. SEE PLANS FOR EXACT OUTLET TYPE. (WP) WEATHERPROOF
- GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE - MOUNTED 18" AFF
- DUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- DOUBLE DUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- DOUBLE DUPLEX RECEPTACLE - MOUNTED 44" AFF UNLESS NOTED OTHERWISE
- F — FLOOR MOUNTED FLUSH TYPE ELECTRICAL FLOOR BOX. SEE DRAWINGS FOR TYPES OF OUTLETS REQUIRED AT EACH BOX.
- MOTOR STARTER
- A — SPECIAL PURPOSE OUTLET
- MOTOR CONNECTION
- JUNCTION BOX
- DISCONNECT - (3R) INDICATES NON-FUSED NEMA 3R WEATHERPROOF DEVICE

SYSTEMS:

- COMMUNICATIONS OUTLET WITH (3)CAT6 CABLES & JACKS - 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1" CONDUIT TO ACCESSIBLE CEILING. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNTED 18" AFF UNLESS NOTED OTHERWISE.
  - (x#) # INDICATES NUMBER OF CABLES AND JACKS
- F — COMMUNICATIONS OUTLET WITH (3)CAT6 CABLES & JACKS - 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1" CONDUIT TO ACCESSIBLE CEILING. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNTED 4" ABOVE COUNTERTOP, COUNTER BACKSPLASH OR AT HEIGHT INDICATED.
- WAP — COMMUNICATIONS OUTLET WITH (2)CAT6 CABLES & JACKS - 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1" CONDUIT TO ACCESSIBLE CEILING. PROVIDE A THREADED BUSHING ON THE CONDUIT END. CEILING MOUNTED
- COMMUNICATIONS OUTLET WITH (2)CAT6 CABLES & JACKS - 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1" CONDUIT TO ACCESSIBLE CEILING. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNTED 18" AFF UNLESS NOTED OTHERWISE.
  - (x#) # INDICATES NUMBER OF CABLES AND JACKS
  - (WP) WEATHERPROOF LOCATION. COORDINATE EXACT LOCATION WITH USER AGENCY
- COMMUNICATIONS OUTLET WITH (1)CAT6 CABLES & JACKS - 4" SQUARE BOX WITH EXTENSION RING FOR A SINGLE GANG DEVICE AND A 1" CONDUIT TO ACCESSIBLE CEILING. PROVIDE A THREADED BUSHING ON THE CONDUIT END. MOUNTED AT 54" AFF.
  - (x#) # INDICATES NUMBER OF CABLES AND JACKS
- C — CCTV CAMERA ROUGH-IN ONLY - SEE DETAIL 7/E900
- C_R — CARD READER ROUGH-IN ONLY - SEE DETAIL 6/E900
- E_S — ELECTRIC STRIKE ROUGH-IN ONLY-SEE DETAIL 6/E900
- TV — CATVOUTLET WITH (1)CAT6 CABLE & JACK AND (1)RG6 CABLE & JACK. COORDINATE MOUNTING HEIGHT WITH TV LOCATION.
- D_P — DOOR POSITION SWITCH ROUGH-IN ONLY - SEE DETAIL 6/E900
- P_R — PALM READER ROUGH-IN ONLY - SEE DETAIL 6/E900
- 110 — 110 PUNCHDOWN BLOCKS
- 15 S — FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE - MOUNT 6" BELOW CEILING OR AT 6'-8" AFF, WHICHEVER IS LOWER
  - 15 — INDICATES CANDELA INTENSITY
- FIRE ALARM STROBE - MOUNT 6" BELOW CEILING OR AT 6'-8" AFF, WHICHEVER IS LOWER
- S — SMOKE DETECTOR
- H — HEAT DETECTOR
- CM — FIRE ALARM CONTROL MODULE
- MM — FIRE ALARM MONITOR MODULE
- FIRE ALARM PULL STATION
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL

GENERAL:

- ELECTRICAL PANEL
- A — INDICATES DESIGNATION
- SEE KEYED NOTE SYMBOL

ELECTRICAL SHEET INDEX

E000	SYMBOLS AND SCHEDULES - ELECTRICAL
E001	SITE PLAN - ELECTRICAL
E200	LOWER LEVEL PLAN - LIGHTING
E201	LOWER LEVEL PLAN - POWER/SYSTEMS
E202	FIRST FLOOR PLAN - LIGHTING
E203	FIRST FLOOR PLAN - POWER/SYSTEMS
E900	DETAILS - ELECTRICAL

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PLI Project No: 2010.20.00

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Division of State Facilities

Agency / Institution: FP&M UW - MADISON

Project Title: UW MADISON ALL-SEASON GOLF PRACTICE FACILITY
Project Location: UNIVERSITY RIDGE GOLF COURSE MADISON, WISCONSIN

Sheet Title: SYMBOLS AND SCHEDULES - ELECTRICAL

Revisions:

No.	Date:	Description:
	4/18/2011	35% Review
	11/14/2011	100% Final Review
	12/15/2011	Bid Drawings

Graphic Scale	
DSF Number	10J1L
Set Type	BD
Date Issued	12/15/2011
Sheet Number	E000

12/13/2011 11:22:04 AM

1 E001 SITE PLAN - ELECTRICAL

NORTH

GENERAL NOTES:

1. ALL SITE LIGHTING WIRING SHALL BE #10 MINIMUM.

KEYED NOTES:

1. EXISTING ALLIANT ENERGY PAD MOUNTED TRANSFORMER.
2. NEW ALLIANT ENERGY PAD MOUNTED TRANSFORMER.
3. PROVIDE FOUR(4) 4" CONDUITS FROM CLUBHOUSE MDF TO NEW ELECTRICAL #L102 IN NEW PRACTICE FACILITY TO CONTAIN ONE(1) 24-STRAND SINGLE MODE FIBER AND ONE(1) 50-PAIR COPPER. ROUTE TO NEW ACCESS DRIVE TO MINIMIZE DISRUPTION TO EXISTING SITE. COORDINATE WORK WITH SITE UTILITY CONTRACTOR.

12/13/2011 10:22:47 AM

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Project Location:
UNIVERSITY RIDGE GOLF COURSE
MADISON, WISCONSIN

Sheet Title:
SITE PLAN - ELECTRICAL

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Sheet Number: E001

GENERAL NOTES:

1. REFER TO SHEET E000 FOR SYMBOLS AND ABBREVIATIONS.
2. REFER TO SHEET E000 FOR LIGHTING FIXTURE SCHEDULE.
3. REFER TO ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTIVE CEILING PLANS FOR EXACT LOCATION AND COORDINATION OF LIGHT FIXTURE INSTALLATION.
4. OCCUPANCY SENSOR LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. ACTUAL LOCATION TO BE DETERMINED IN FIELD PER MANUFACTURER'S RECOMMENDATIONS AND LAYOUT. PROVIDE A MINIMUM 4'-0" OF FLEX CONDUIT/WIRING SO THAT THE SENSOR CAN BE FIELD ADJUSTED FOR PROPER COVERAGE DURING FINAL TESTING. THE TRAINED FACTORY PERSONNEL SHALL PERFORM THE FINAL TIME SETTINGS AND TESTING.
5. ALL CIRCUITS FED FROM NEW PANEL "B" UNLESS OTHERWISE NOTED.

KEYED NOTES

1. WIRE SENSOR IN PARALLEL WITH OTHER SENSOR(S) IN THE ROOM.
2. FIXTURE TO BE CENTERED ON WALL MOUNTED SIGNAGE.
3. SWITCH "b" SHALL CONTROL TOP HALF OF EACH DUPLEX RECEPTACLE IN ROOM.
4. PROVIDE A WIRE GUARD ON DEVICE.
5. PROVIDE A 120V, 20A/1P CONNECTION TO LIGHTED SIGN. CIRCUIT/CONTROL AS INDICATED.
6. LOCATE DEVICES ON LOWER LEVEL AS SHOWN ON SHEET E200.
7. PROVIDE A WATTSTOPPER #L1B8-120/277-8HDR-1GS RELAY PANEL FOR EXTERIOR LIGHTING CIRCUITS B-10 AND B-7. CONNECT TO JOHNSON CONTROLS BUILDING AUTOMATION SYSTEM FOR SCHEDULING AND MONITORING.

1 E202 **FIRST FLOOR PLAN - LIGHTING**

NORTH

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FIRST FLOOR PLAN - LIGHTING

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