LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	LAMP	MOUNTING	VOLTAGE	REMARKS
1	H.E. WILLIAMS	DIS242-28T5S-AD-EB2	(2) 28WT5	SURFACE	277V	2'x4' 2 LAMP SURFACE MOUNTED FLUORESCENT. BALLAST <10% THD
2	DAY-BRITE	AVW128-PMW-UNV-DEK	(1) 28WT5	WALL	277V	4' - 1 LAMP ARIOSO FLUORESCENT WALL MOUNT ABOVE DOOR CENTERED WITH BETWEEN TOP OF DOOR FRAME AND CEILING. BALLAST <10% THD
3	VISA LIGHTING	CB6504-1FS24-BSIL-BSIL	(1) 24WT5	WALL	277V	2'- 1 LAMP FLUORESCENT FIXTURE MOUNTED ABOVE MIRROR COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS BALLAST <10% THD
4	DALS LIGHTING	CF0900-16 -213	(2) 13W QPL	SURFACE	277V	16" DIA. COMPACT FLUORESCENT SURFACE MOUNTED
5	OMEGA	OM61H13PLTSRD-SHWR-120/277	(1) 13W QPL	RECESSED	277V	6" 1 LAMP COMPACT FLUORESCENT SHOWER LIGHT
6	H.E. WILLIAMS	DIS22-214-T5S-AD-EB2	(2) 14WT5	LAY-IN	277V	2'x2' 2 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
7	H.E. WILLIAMS	SPXG-S24-228T5S-A-EB2	(2) 28WT5	LAY-IN	277V	2'x4' 2 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
7E	H.E. WILLIAMS	SPXG-S24-228T5S-A-EM1400ST(T5)/1	(2) 28WT5	LAY-IN	277V	2'x4' 2 LAMP LAY-IN FLUORESCENT, BALLAST <10% THD WITH EMERGENCY BALLAST. FIXTURE TO BE SWITCHED. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST.
7F	H.E. WILLIAMS	SPXG-S24-228T5S-A-DFK	(2) 28WT5	RECESSED	277V	2'x4' 2 LAMP LAY-IN FLUORESCENT, BALLAST <10% THD. PROVIDE FRAME FOR MOUNTING IN GYP. BOARD CEILING
7EF	H.E. WILLIAMS	SPXG-S24-228T5S-A-EM1400ST(T5)/1-DFK	(2) 28WT5	RECESSED	277V	2'x4' 2 LAMP LAY-IN FLUORESCENT, BALLAST <10% THD. PROVIDE FRAME FOR MOUNTING IN GYPSUM BOARD. WITH EMERGENCY BALLAST. FIXTURE TO BE SWITCHED. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST.
7D	H.E. WILLIAMS	SPXG-S24-228T5S-A-DIM	(2) 28WT5	LAY-IN	277V	2'x4' 2 LAMP LAY-IN FLUORESCENT. DIMABLE BALLAST <10% THD. WITH DIMMING BALLAST.
8	DAY-BRITE	M228-UNV-1/2EB10I-CM2G-4	(2) 28WT5	SURFACE/ SUSPENDED	277V	4' 2 LAMP FLUORESCENT STRIP WITH WIRE GUARD. BALLAST <10 THD.
8E	DAY-BRITE	M228-UNV-1/2EB10I-E5-CM2G-4	(2) 28WT5	SURFACE/ SUSPENDED	277V	4' 2 LAMP FLUORESCENT STRIP WITH WIRE GUARD. BALLAST <10 THD WITH EMERGENCY BALLAST. FIXTURE TO BE SWITCHED WITH OTHER FIXTURES IN ROOM. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST.
9	DAY-BRITE	DWN228-UNV-1/2EB10	(2) 28WT5	SURFACE	277V	4' 2 LAMP FLUORESCENT WRAPAROUND. BALLAST <10% THD
10 10E	PRIDENTIAL	LGD-P-2T504PRA-CC-SC-UNIV-CA96	(2) 28WT5	SUSPENDED	277V	4' 2 LAMP FLUORESCENT DIRECT / INDIRECT SUSPENDED FIXTURE. MOUNT TOP OF FIXT. AT 12" BELOW CEILING. BALLAST <10% THD. SEE DRAWINGS FOR ROW LENGTHS AND SECTIONS WITH EMERGENCY BALLASTS (10E). EMERGENCY BALLAST TO BE EMH TYPE
11	OMEGA	S8 SRD 1H18PLT U T8SRD1H CSSPL PL	(1) 18WPLT	RECESSED	277V	8" LENSED RECESSED DOWNLIGHT
11D	OMEGA	S8 SRD 1H18PLT DX2 U T8SRD1H CSSPL PL	(1) 18WPLT	RECESSED	277V	8" LENSED RECESSED DOWNLIGHT WITH DIMMING BALLAST COORDINATE COMPATABILITY OF DIMMING BALLAST WITH DIMMING DEVICE.
11E	OMEGA	S8 SRD 1H18PLT EM U T8SRD1H CSSPL PL	(1) 18WPLT	RECESSED	277V	8" LENSED RECESSED DOWNLIGHT WITH EMERGENCY BALLAST PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST.
12	TECH LIGHTING	700MOOM03S - HEAD 700MOAS - TRACK 700AT - REMOTE TRANSFORMER	50W MR16	12'-0" TRACK (6) HEADS PER TRACK	277V	PENDANT HEAD TRACK LIGHTING. PROVIDE POWER FEED CANOPY, T-BAR CONNECTORS, RIGID STANDOFFS, POWER EXTENDERS, END CAPS AND ALL OTHER NECESSARY ACESSORIES. VERIFY QUANTITY OF HEADS AND TRACK LENGTHS ON DRAWINGS. VERIFY REQUIRED WATTAGE OF TRANSFORMER. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
13	VISA LIGHTING	CP3960 4F39(277V)	(4) F39 2G11	PENDANT	277V	COMPACT FLUORESCENT PENDANT MOUNTED FIXTURE. COORDINATE FINISH AND PENDANT LENGTH WITH ARCHITECT. PROVIDE COLOR CHARTS.
13E	VISA LIGHTING	CP3960 4F39(277V) REM	(4) F39 2G11	PENDANT	277V	COMPACT FLUORESCENT PENDANT MOUNTED FIXTURE WITH EMERGENCY BALLAST. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST. COORDINATE FINISH AND PENDANT LENGTH WITH ARCHITECT. PROVIDE COLOR CHARTS.
14	PRIMA LIGHTING	65-007185-A-G4 XELOGEN	(1) G4 20W	PENDANT	277V	12V HOLOGEN PENDANT MOUNTED FIXTURE. MONOPOINT MOUNTING WITH TRANSFORMER. PROVIDE NECESSARY ACESSORIES. VERFIY REQUIRED WATTAGE OF TRANSFORMER. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
15	PERFORMANCE IN LIGHTING	074996	(1) 55W CFL	SURFACE	277V	SURFACE MOUNTED COMPACT FLUORESCENT FIXTURE. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
16	LEUCOS USA	0703309083770	(4) 39W T5	SUSPENDED	277V	SUSPENDED FLUORESCENT FIXTURE. COORDINATE FINISH AND PENDANT LENGTH WITH ARCHITECT. PROVIDE COLOR CHARTS.
17	H.E. WILLIAMS	26-4-228T5-CLD-EB2	(2) 28W T5	SURFACE	277V	SURFACE MOUNTED FLUORESCENT FIXTURE. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
18	WINONA LIGHTING	6100-30-FQ-277 MOD 20	(4) 26W GX24Q	SUSPENDED	277V	SUSPENDED FLUORESCENT FIXTURE W/ 20" SUSPENTION LENGTH. COORDINATE LENS OPTION AND FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
19	PRUDENTIAL	P43-2T5-04-PRA-D1-SC-UNV-X3B	(2) 28W T5	RECESSED	277V	RECESSED FLUORESCENT FIXTURE. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
19E	PRUDENTIAL	P43-2T5-04-PRA-D1-SC-UNV-X3B-EMH	(2) 28W T5	RECESSED	277V	RECESSED FLUORESCENT FIXTURE. WITH EMERGENCY BALLAST. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
20	*** NOT USED ***	---	---	---	---	*** NOT USED
21	H.E. WILLIAMS	SPXGS243-28T5S-A-UNIV-EB3	(3) 28WT5	LAY-IN	277V	2'x4' 3 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
22	H.E. WILLIAMS	SPXGS141-28T5S-A-UNIV-EB1	(1) 28WT5	LAY-IN	277V	1'x4' 1 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
22E	H.E. WILLIAMS	SPXGS141-28T5S-A-UNIV-EM1400ST(T5)/1-EB1	(1) 28WT5	LAY-IN	277V	1'x4' 1 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD WITH EMERGENCY BALLAST. FIXTURE TO BE SWITCHED. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST.
23	DAY-BRITE	VFN26CUW-LP-PG	(1) 26W CFL	LAY-IN	277V	ELEVATOR PIT LIGHT
24	DAY-BRITE	WTM 050M MT-SC2-LP QTD	(1) 50W MH	WALL	277V	50W METAL HALIDE WALL LIGHT WITH QUARTZ TIME DELAY. COORDINATE FINISH WITH ARCHITECT
24A	DAY-BRITE	WTM 60WL U-SC2-FGS-LP	60W LED	WALL	277V	**ALTERNATE # 3** 60W LED HALIDE WALL LIGHT. COORDINATE FINISH WITH ARCHITECT.
25	OMEGA	S8 1H150MHED17 EU T8 1H MH SPL FL	(1) 150W MH	RECESSED	277V	8" 150W METAL HALIDE LENSED RECESSED DOWNLIGHT. PROVIDE WITH GASKETED LENS
25A	KENALL	HRDL6L-26L40K-DVSCC-CC-CSS-8	26W LED	RECESSED	277V	**ALTERNATE # 3** 6" 26 WATT LED LENSED RECESSED DOWNLIGHT
26	PMC LIGHTING	ER6-DI-W-1T5/1T5-4'-RB-UNV-EM	(2) 28W T5	WALL	277V	WALL MOUNTED DIRECT / INDIRECT (1 LAMP UP - 1 LAMP DOWN. MOUNT AT 7'-6" ABOVE LANDING. WITH EMERGENCY BALLAST. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
27	STERNBERG	8930H / CH28 - 175MHP - RE5G - CSA	175W MH	SUSPENDED	277V	175W METAL HALIDE SUSPENDED LANTERN FIXTURE. CHAIN MOUNT. COORDINATE FINISH AND PENDANT LENGTH WITH ARCHITECT. PROVIDE COLOR CHARTS. PROVIDE (4) AIRCRAFT CABLES MOUNTED FROM FIXTURE ON DIAGONAL TO PREVENT SWAY OF FIXTURE.
27A	STERNBERG	8930HLED / 12L45T5MDL21- RE5G - CSA	90W LED	SUSPENDED	277V	90W LED SUSPENDED LANTERN FIXTURE. CHAIN MOUNT. COORDINATE FINISH AND PENDANT LENGTH WITH ARCHITECT. PROVIDE COLOR CHARTS. PROVIDE (4) AIRCRAFT CABLES MOUNTED FROM FIXTURE ON DIAGONAL TO PREVENT SWAY OF FIXTURE.
28	STERNBERG	8930 / 80WBBB - 70MHP - RE5G - CSA	70W MH	WALL	277V	70W METAL HALIDE WALL MOUNTED LANTERN FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
28A	STERNBERG	8930LED / 12L45T5MDL21-80WBBB - RE5G - CSA	90W LED	WALL	277V	90W LED WALL MOUNTED LANTERN FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
29	CHLORIDE	ER55LDT 1 12/27 W R	LED	WALL	277V	LED EXIT FIXTURE WITH Nicad BATTERY.
30	CHLORIDE	CMF25 IC TD CCHR1W10S (REMOTE HEAD)	INCAND.	WALL	277V	EMERGENCY FIXTURE (LESS HEADS) WITH REMOTE HEAD CCHR1W10G WEATHERPROOF
31	COLOR KINETICS	523-000059-02 120-000080-06 (LENS) 120-00104-01 (LOUVER)	LED	WALL	277V	LED SPOT LIGHT WITH 41 DEGREE SPREAD LENS AND HONEYCOMB LOUVER.
32	FRAQTIR	S1700700-S-X-2-V0-0-40-00	LED	WALL	277V	INDIRECT FIXTURE 4000K
33	DAY-BRITE	V2WAE228-UNV-1/2EB10I-E5	(2) 28W T5	SURFACE	277V	4' - 2 LAMP FLUORESCENT VAPORLUME WITH EMERGENCY BALLAST. PROVIDE A NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST
34	COLOR KINETICS	523-000059-02 120-000080-07 (LENS)	LED	WALL	277V	LED SPOT LIGHT WITH 10x41 ASYMMETRIC SPREAD LENS
35	DAY-BRITE	ITF8328-12-UNV-1/3EB10I	(3) 28WT5	RECESSED	277V	1'x4' 3 LAMP FLUORESCENT WITH ACRYLIC LENS. PROVIDE DOUBLE GASKET AROUND DOOR FRAME. BALLAST <10% THD
36	DAY-BRITE	FSS60W-LU-MNP	LED	PAD	277V	LED FLOOD LIGHT FOR NORTH SIDE OF BUILDING A
37	GARDCO	941L(LV)-NW-UNIV-SC	LED	RECESSED WALL	277V	LED STEP LIGHT WITH LOUVER
38	CHLORIDE	FX12N24W12	MR-16 (12W)	RECESSED CEILING	277V	CONCEALED EMERGENCY UNIT
39	DAY-BRITE	VSS226CCMT	26W PL	WALL	277V	26 WATT COMPACT FLUORESCENT WALL MOUNTED FIXTURE. MOUNT ON INSIDE OF CLOSET ABOVE DOOR.
40	CHLORIDE	30VL-1-P-12/27-W-RW-IN USE	LED	WALL	277V	LED SINGLE FACE "IN USE" SIGN MOUNTED ABOVE DOOR
EX	---	---	---	CEILING	277V	EXIT LIGHT FIXTURE. TO BE FURNISED BY CCTV VENDOR. SEE SYSTEMS SHEETS. FIXTURE TO BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. VERIFY LOCATION WITH CCTV VENDOR.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	POWER	
	CONDUIT CONCEALED (MIN. 3-#12 - 1/2"C)	———
	EXPOSED CONDUIT ON WALL OR CEILING (MIN. 3-#12 - 1/2"C)	———
	HOMERUN CONDUIT (MIN. 3#12-1/2"C.)	———
	SURFACE OR RECESSED FIXTURE CONNECTED TO THE NORMAL BRANCH (FIXTURE TYPE TO DETERMINE MOUNTING)	———
	INDICATES LIGHTING FIXTURE WITH EMERGENCY BATTERY	———
	EXIT LIGHT	———
1	LIGHTING FIXTURE DESIGNATION - SEE FIXTURE SCHED.	
S	SINGLE POLE SWITCH	48" AFF TO CL
S_3	THREE WAY SWITCH	48" AFF TO CL
S_D	DIMMER SWITCH	48" AFF TO CL
S_T	MANUAL MOTOR STARTER	AT UNIT
S_K	KEY SWITCH	
	MOTOR	———
	FUSED DISCONNECT SWITCH - AMPS/POLES/FUSE SIZE	———
	NON-FUSED DISCONNECT SWITCH - AMPS/POLES/NF	———
	COMBINATION ACROSS-THE-LINE MOTOR STARTER	———
	120V. DUPLEX RECEPTACLE	1'-6" AFF TO CL
	120V. DUPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER
	120V. QUADPLEX RECEPTACLE	1'-6" AFF TO CL
	120V. QUADPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER
	POWER & LOW VOLTAGE A/V FLOOR BOX, 4 COMPARTMENT FLOOR BOX WIREMOLD RFB4 SERIES FLOOR BOX WITH FPBTCAL COVER WITH (2) RFB-DR PLATES, (1) DTB-2-4TKO PLATES, (1) DTB-2-SD PLATE (1) RFB-B PLATE.	FLOOR MOUNTED
	GFCI, 120V. DUPLEX RECEPTACLE	1'-6" AFF TO CL
	GFCI, 120V. DUPLEX RECEPTACLE - ABOVE COUNTER	ABOVE COUNTER
	SPECIAL SINGLE RECEPTACLE - REFER TO DWGS FOR CONFIGURATION	———
TV	120V. DUPLEX RECEPTACLE FOR WALL MOUNTED TELEVISION COORDINATE LOCTION WITH TV OUTLET	AS INDICATED ON PLAN
SPD	SURGE SURPRESSION DEVICE	———
WP	WEATHERPROOF	———
W	WALL MOUNTED DEVICE	———
OHP	OVERHEAD ELECTRICAL PRIMARY	———
UGP	UNDERGROUND ELECTRICAL PRIMARY	———
UGS	UNDERGROUND ELECTRICAL SECONDARY	———
UGC	UNDERGROUND COMMUNICATIONS	———
	NURSE CALL	
E	NURSE CALL, STAFF EMERGENCY PUSH BUTTON	48" AFF
P	NURSE CALL, PATIENT EMERGENCY PUSH BUTTON	48" AFF
EP	NURSE CALL, EMERGENCY PULL CORD	48" AFF
D	NURSE CALL, DOME LIGHT	CEILING / WALL
Z	NURSE CALL, ZONE LIGHT	CEILING / WALL
NM	NURSE CALL, MASTER STATION	DESK

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	COMMUNICATIONS	
#	VOICE / DATA OUTLET - SEE SYSTEMS BACKBOX SCHEDULE, PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING. PROVIDE (1) DATA CABLE UNLESS # INDICATES OTHERWISE. SEE SPECIFICATIONS FOR CABLE TYPE.	18" AFF
#	VOICE / DATA OUTLET - ABOVE COUNTER - SEE SYSTEMS BACKBOX SCHEDULE, PROVIDE 1 1/4" COND TO ABOVE ACCESSIBLE CORRIDOR CEILING. PROVIDE (1) DATA CABLE UNLESS # INDICATES OTHERWISE. SEE SPECIFICATIONS FOR CABLE TYPE.	ABOVE COUNTER
TV	DATA / TELEVISION OUTLET (1) DATA, (1) TV - SEE SYSTEMS BACKBOX SCHEDULE. PROVIDE (1) 1 1/4" CONDUIT & (1) 1" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING. SEE SPECIFICATIONS FOR CABLE TYPE AND QUANTITY.	18" AFF
E	EMERGENCY PHONE - SEE SYSTEMS BACKBOX SCHEDULE, PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING. SEE SPECIFICATIONS FOR CABLE TYPE AND QUANTITY.	48" AFF
WA	WIRELESS ACCESS VOICE / DATA OUTLET IN CEILING. SEE SYSTEMS BACKBOX SCHEDULE. PROVIDE (1) 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING. SEE SPECIFICATIONS FOR CABLE TYPE AND QUANTITY.	CEILING MOUNTED
R	RAPID RUN OUTLET - SEE SYSTEMS BACKBOX SCHEDULE, PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING. PROVIDE (1) BOX AT 18" A.F.F. AND (1) BOX ADJACENT TO TV OUTLET BOX WITH (1) 1 1/4" CONDUIT BETWEEN BOXES	18" AFF
S	PUBLIC ADDRESS SPEAKER. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED
PA	PUBLIC ADDRESS SYSTEM - HEAD END. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	
I	AIPHONE INTERCOM. SEE SYSTEMS BACKBOX SCHEDULE. PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING.	AS INDICATED ON PLAN
DR	DOOR BELL RECEIVER - EDWARDS MODEL NO. 6536-65 HORN/STROBE	7'-0" AFF
DT	DOOR BELL TRANSMITTER - EDWARDS MODEL NO. 147-10 WITH 620 PUSH BUTTON AND 592 TRANSFORMER	48" AFF
P	PHONE ALARM	7'-0" AFF
	FIRE ALARM	
F	FIRE ALARM MANUAL PULL STATION SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	48" AFF
V	FIRE ALARM VOICE EVACUATION WITH LIGHT SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	7'-0" AFF TO CL
V WP	FIRE ALARM VOICE EVACUATION SPEAKER, WEATHERPROOF EXTERIOR. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	10'-0" AFF TO CL
F	FIRE ALARM LIGHT ONLY SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	7'-0" AFF TO CL
H	FIRE ALARM HEAT DETECTOR SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED
D	FIRE ALARM SMOKE DETECTOR SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR WITH SOUNDER BASE SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED
	FIRE ALARM SMOKE DETECTOR WITH SOUNDER BASE AND LIGHT SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	
D_S	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED - SUPPLY SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	———
D_R	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED - RETURN SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	———
TS	TAMPER SWITCH - SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	———
FS	FLOW SWITCH - SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	———
PIV	POST INDICATOR VALVE SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	———
	MAGNECTIC HOLD OPEN - 24V DC	6'-4" AFF TO CL
FA	PROVIDE CONNECTION TO FIRE ALARM SYSTEM	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	DOOR ACCESS	
ES	ELECTRIC DOOR STRIKE - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
DS	DOOR POSITION SWITCH - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
CR	CARD READER - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	42" AFF
MS	MOTION SENSOR DOOR ACCTUATOR - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
DR	DOOR RELEASE - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
ML	MAGNETIC LOCK - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
PB	PUSH BUTTON DOOR ACTUATOR - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	42" AFF
Z	PROVIDE BOX FOR FUTURE ADA DOOR ACCESS DEVICE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002	42" AFF
A	SINGLE POWER ASSISTED ADA DOOR ACCESS CONTROL. SEE CORESPONDING DETAIL ON SHEET E002	
B	SINGLE POWER ASSISTED ADA DOOR ACCESS CONTROL. SEE CORESPONDING DETAIL ON SHEET E002	
C	SINGLE DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
D	SINGLE ADA POWER ASSISTED DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
E	DOUBLE ADA POWER ASSISTED (MAIN ENTRY) DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
F	SINGLE DOOR (STAIR OUTSIDE) ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
G	SINGLE DOOR WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
H	SINGLE DOOR WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
J	LUCKY DAY DOUBLE DOORS WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
K	SINGLE DOOR CLINIC ENTRY WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
L	SINGLE DOOR STAIR WELL WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	SECURITY	
C	CCTV CAMERA	
M	CCTV MONITOR	COORD. WITH ARCHITECT
	SINGLE FACE EXIT LIGHT WITH CONCEALED CCTV CAMERA	
	DOUBLE FACE EXIT LIGHT WITH CONCEALED CCTV CAMERA	
	FAUX SMOKE DETECTOR WITH CONCEALED CCTV CAMERA	
	FAUX OCCUPANCY SENSOR WITH CONCEALED CCTV CAMERA	
EX	EXIT LIGHT - FURNISHED BY CCTV VENDOR. SEE LIGHT FIXTURE SCHEDULE.	———
	LIGHTING CONTROL	
PI	LEVITON LevNet "WSC15-IRW" LevNet RF SELF-POWERED INFRARED CEILING MOUNTED SENSOR. SEE OCCUPANCY SENSOR SETTINGS SCHEDULE ON SHEET E006	CEILING
PI S	LEVITON LevNet "WSWDR-IoW" PASSIVE INFRARED WALL SENSOR WITH BATTERY OPTION "CR2032". PROVIDE (ABOVE CEILING) LEVITON POWER PACK "OSP2-0DO" AND "WSORC-200" LevNet RF RECEIVER. SEE OCCUPANCY SENSOR SETTINGS SCHEDULE ON SHEET E006. COORDINATE FINISH WITH ARCHITECT.	48" A.F.F.
LN S	LEVITON LevNet RF SELF-POWERED WALL SWITCH "WSSOS-D" COORDINATE FINISH WITH ARCHITECT.	48" A.F.F.
PP	LEVITON POWER PACK "OSP2-0DO" AND "WSORC-200" LevNet RF RECEIVER. POWER PACK AND RECEIVER TO BE MOUNTED ABOVE CEILING IN JUNCTION BOX	ABOVE CEILING
A	DESIGNATES LIGHTING CONTROL SYSTEM COMPONENTS. SEE MULTIPURPOSE ROOM - LIGHTING PLAN ON SHEET EL102C.	ABOVE CEILING

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DRAWN BY:
• DKH
CHECKED BY:
• JDL
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

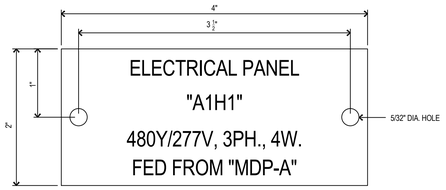
SHEET TITLE
ELECTRICAL LEGEND / SCHEDULES

SHEET NUMBER
E001

368 of 458

3/9/2013 9:54:20 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013



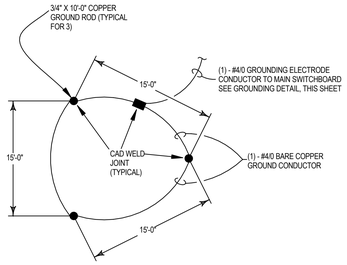
NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL NAMEPLATE REQUIREMENTS.
2. NAMEPLATE TO BE 1/16" THICK PLASTIC LAMINATED. REFER TO SPECS FOR PROPER COLOR.
3. SECURE NAMEPLATE TO SURFACES WITH (2) FLAT HEAD SCREWS.

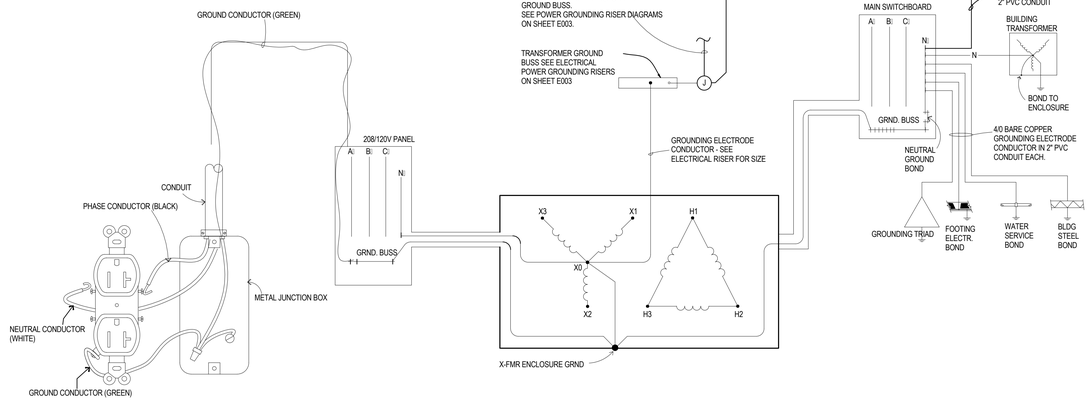
1 PANEL LABEL DETAIL
E002 SCALE: N.T.S.

DOOR ACCESS CONTROL LEGEND	
SYMBOL	DESCRIPTION
CR	MAGNETIC STRIPE CARD READER - BY USM VENDOR (IDN-ACME, INC)
PB	PUSH BUTTON (BY DOOR HARDWARE VENDOR)
PD	POWER DOOR OPERATOR (BY DOOR HARDWARE VENDOR)
ES	ELECTRIC STRIKE - BY USM VENDOR (IDN-ACME, INC)
DS	DOOR POSITION SWITCH - BY USM VENDOR (IDN-ACME, INC)
J	JUNCTION BOX - BY ELECTRICAL CONTRACTOR
EL	ELECTRIC RELEASE LEVER - BY USM VENDOR (IDN-ACME, INC)
A	DOOR DETAIL DESIGNATION
MS	MOTION SENSOR
LR	LOCK RELEASE
RTE	REQUEST TO EXIT
EH	ELECTRIFIED HINGE
PZ	PIEZO ALARM
EIL	ELECTRIFIED INSTITUTIONAL LOCK
EL	ELECTRIFIED LOCK
FA	CONNECTION TO FIRE ALARM SYSTEM TO RELEASE DOORS UPON AN ALARM EVENT
Z	FUTURE ADA READER (1ST & 2ND FLOORS ONLY)

NOTE:
ELECTRICAL CONTRACTOR SHALL COORDINATE SECURITY REQUIREMENTS WITH THE GENERAL CONTRACTOR.

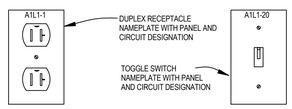


4 GROUNDING TRIAD DETAIL
E002 SCALE: N.T.S.



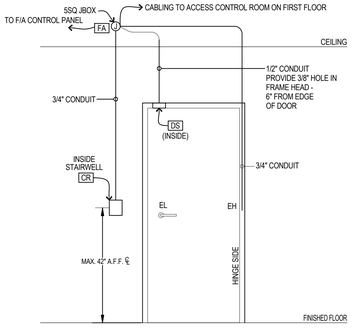
3 GROUNDING DETAIL
E002 SCALE: N.T.S.

NOTE:
LABEL INSIDE OF JUNCTION BOX WITH PANEL NAME AND CIRCUIT NUMBER.

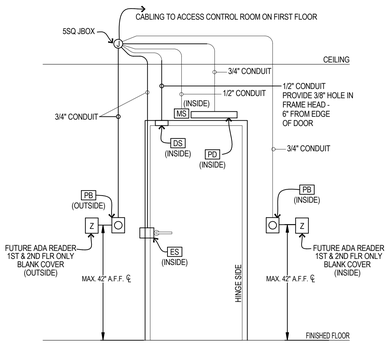


* APPLIES TO ALL DEVICES ALL AREAS

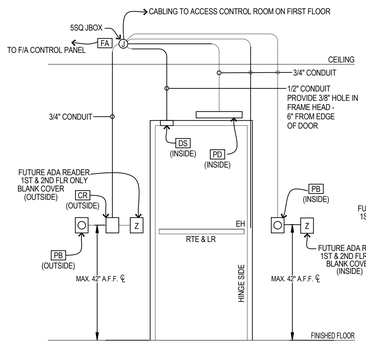
2 DEVICE LABELING DETAIL
E002 SCALE: N.T.S.



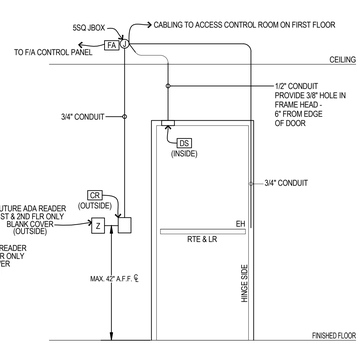
L SINGLE STAIRWELL DOOR



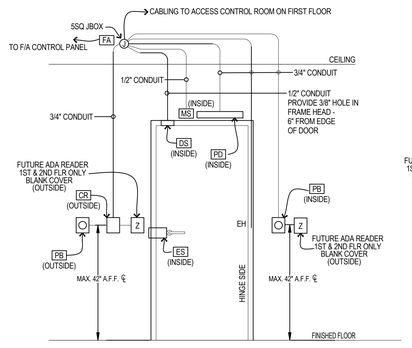
A SINGLE POWER ASSISTED ADA DOOR



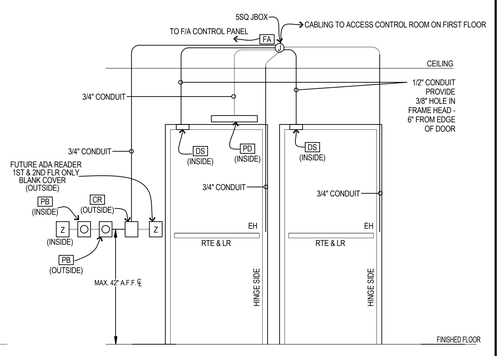
B SINGLE POWER ASSISTED ADA DOOR



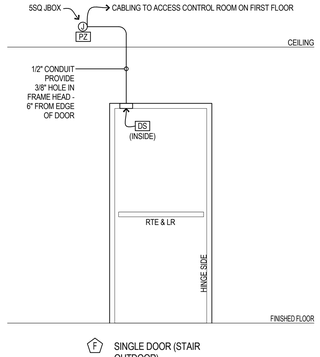
C SINGLE DOOR



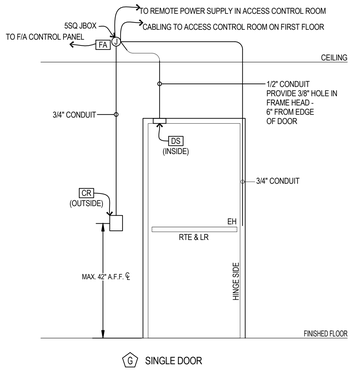
D ADA ROOM



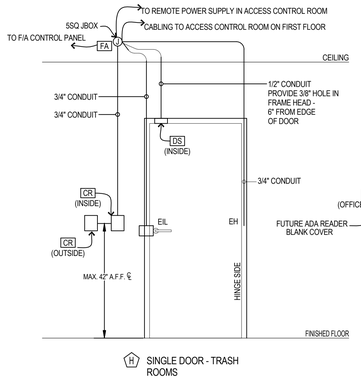
E ADA DOUBLE DOOR (MAIN ENTRY)



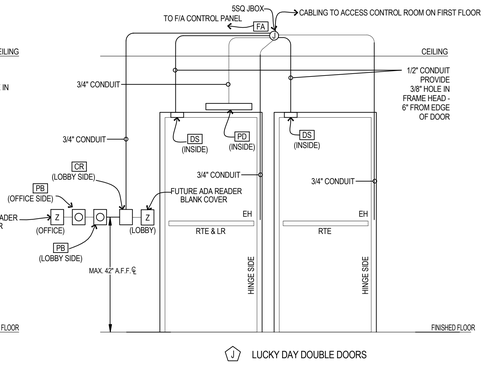
F SINGLE DOOR (STAIR OUTDOOR)



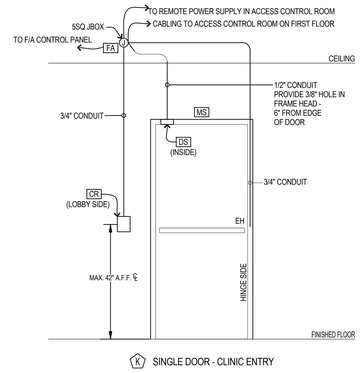
G SINGLE DOOR



H SINGLE DOOR - TRASH ROOMS



J LUCKY DAY DOUBLE DOORS



K SINGLE DOOR - CLINIC ENTRY

6 DOOR ACCESS DETAILS
E002 SCALE: N.T.S.

3/9/2013 9:36:19 AM

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

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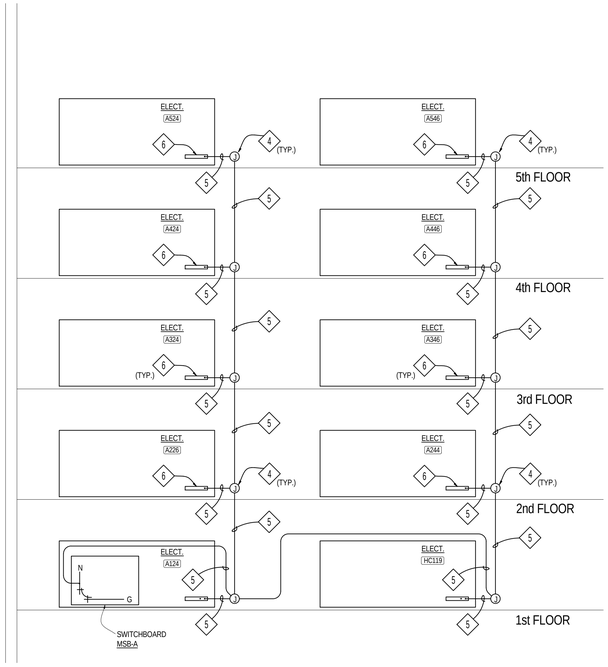
SHEET TITLE
ELECTRICAL DETAILS

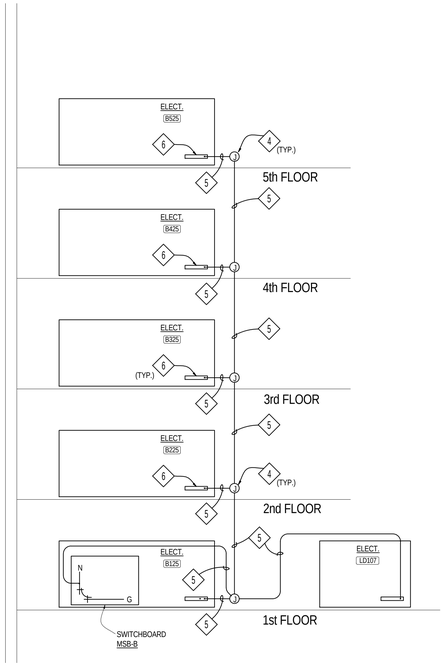
SHEET NUMBER
E002

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 E003 BUILDING "A" ELECTRICAL POWER GROUNDING RISER DIAGRAM

SCALE: N.T.S.



2 E003 BUILDING "B" ELECTRICAL POWER GROUNDING RISER DIAGRAM

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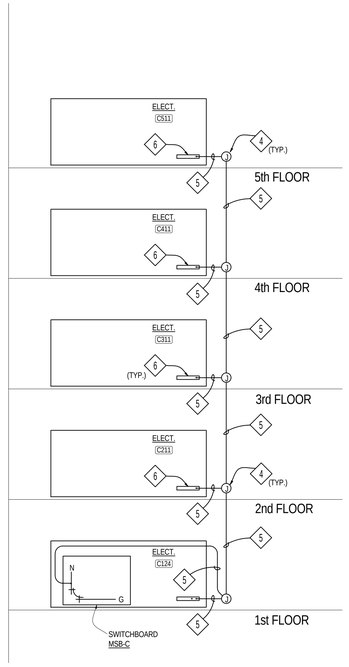
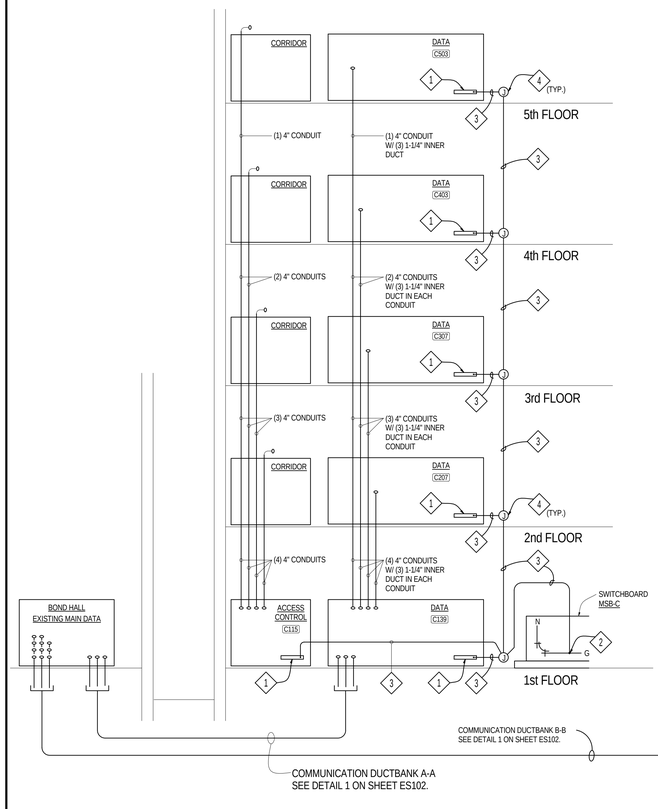


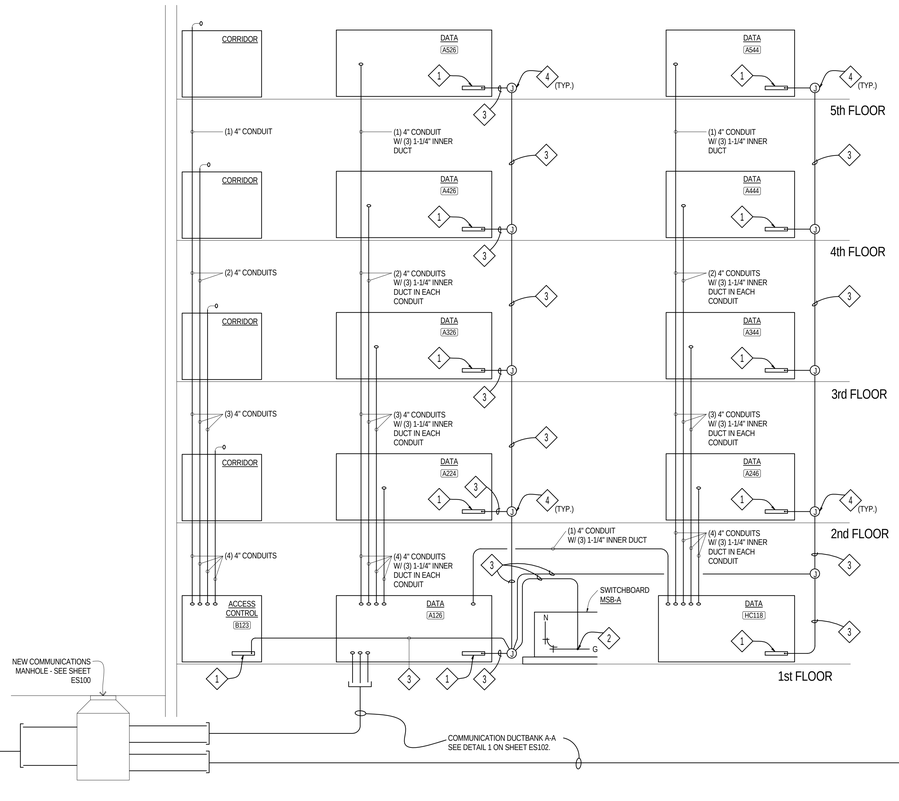
3 E003 BUILDING "C" ELECTRICAL POWER GROUNDING RISER DIAGRAM

SCALE: N.T.S.



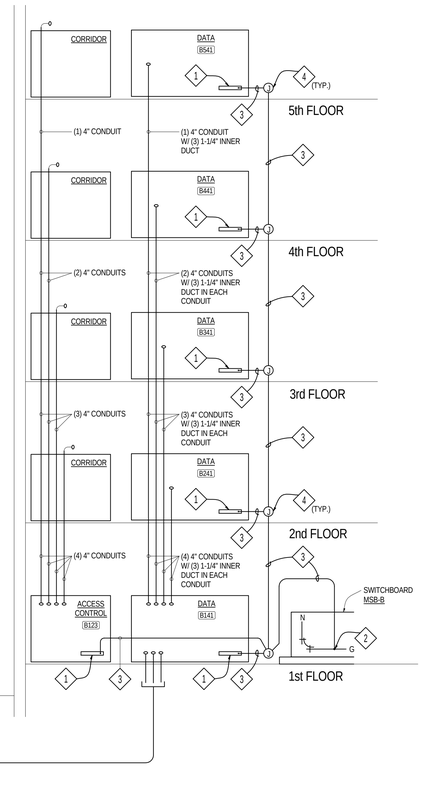
4 E003 BUILDING "C" - DATA RACEWAY RISER

SCALE: N.T.S.



5 E003 BUILDING "A" - DATA RACEWAY RISER

SCALE: N.T.S.



6 E003 BUILDING "B" - DATA RACEWAY RISER

SCALE: N.T.S.

KEYNOTES

1. TELECOMMUNICATION GROUNDING BUSS. SEE SPECIFICATIONS.
2. CONNECT TO EQUIPMENT GROUND BUSS IN SWITCHBOARD.
3. (1) #1/0 IN 2" CONDUIT.
4. ALL CONNECTIONS SHALL BE EXOTHERMIC WELDS.
5. (1) #4/0 IN 2" CONDUIT, GROUNDING ELECTRODE CONDUCTOR.
6. TRANSFORMER GROUNDING BUSS. 2" x 24" x 1/4" THICK COPPER, ISOLATED FROM STRUCTURE.

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ELECTRICAL DETAILS

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E003

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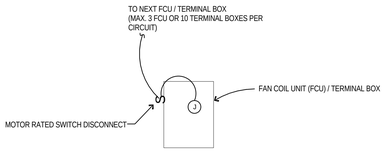
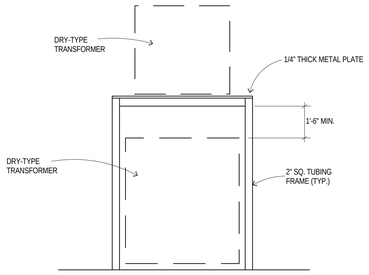


NOTE: COORDINATE EXACT LOCATION OF FAN COIL UNITS AND TERMINAL BOXES WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.

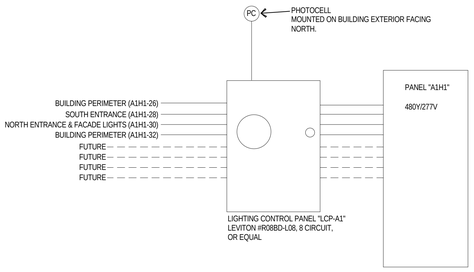
1 E004 FCU / TERMINAL BOX DETAIL

SCALE: N.T.S.



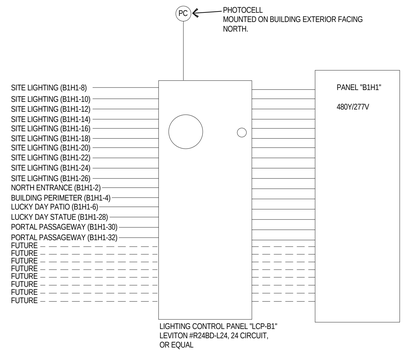
2 E004 TRANSFORMER STACKING DETAIL

SCALE: N.T.S.



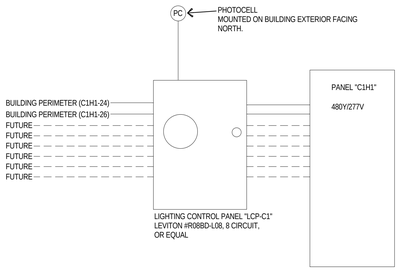
3 E004 LCP-A1 DETAIL

SCALE: N.T.S.



4 E004 LCP-B1 DETAIL

SCALE: N.T.S.



5 E004 LCP-C1 DETAIL

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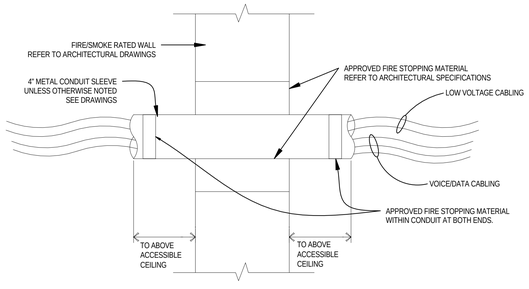
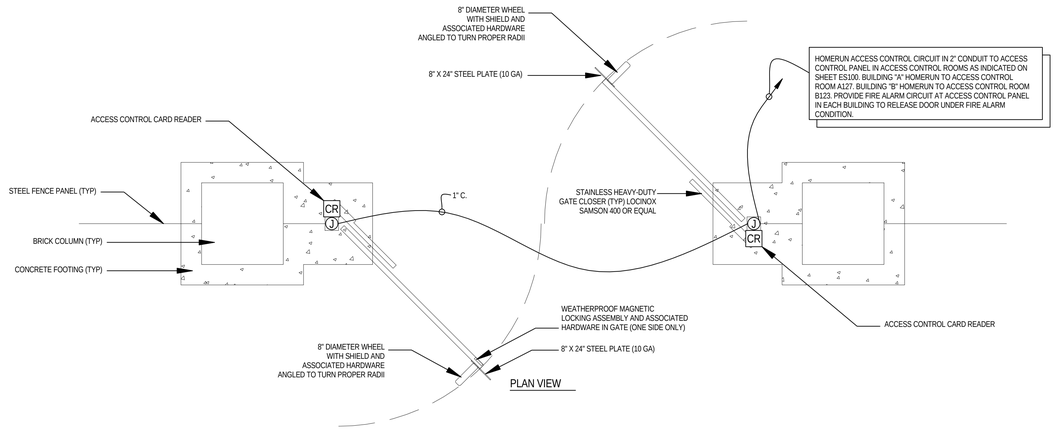


6 E004 LOW VOLTAGE WIRING FIRESTOP SLEEVE DETAIL

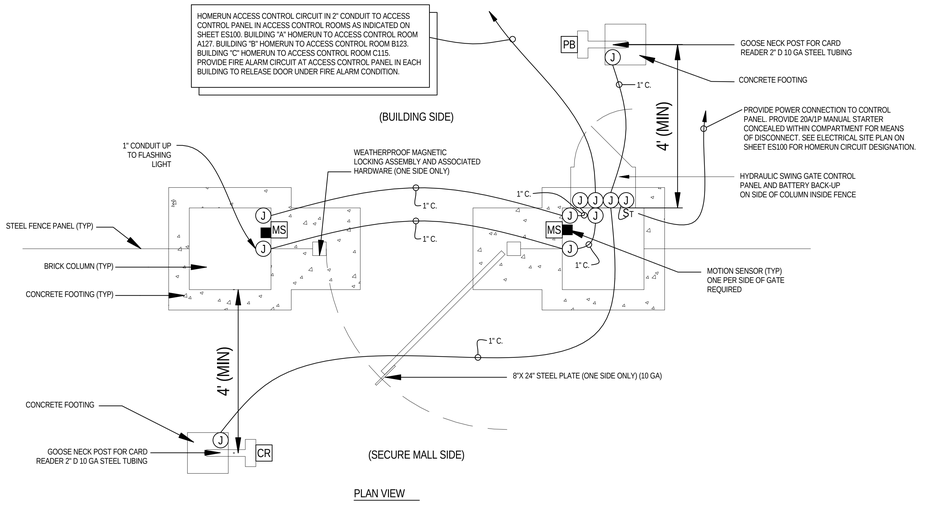
SCALE: N.T.S.



PLAN VIEW

7 E004 ELECTRICAL MAINTENANCE GATE DETAIL ALT. #7

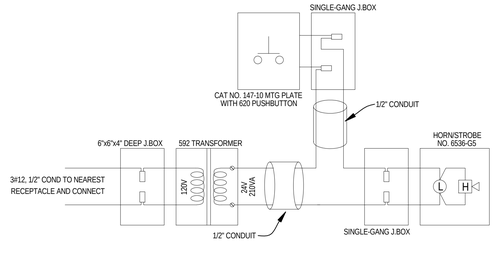
SCALE: N.T.S.
TYPICAL OF (2) GATES



PLAN VIEW

8 E004 ELECTRICAL PEDESTRIAN GATE DETAIL ALT. #7

SCALE: N.T.S.
TYPICAL OF (3) GATES



9 E004 ADA DOOR ALARM DETAIL

SCALE: N.T.S. - ALL MODEL NUMBERS ARE EDWARDS BRAND

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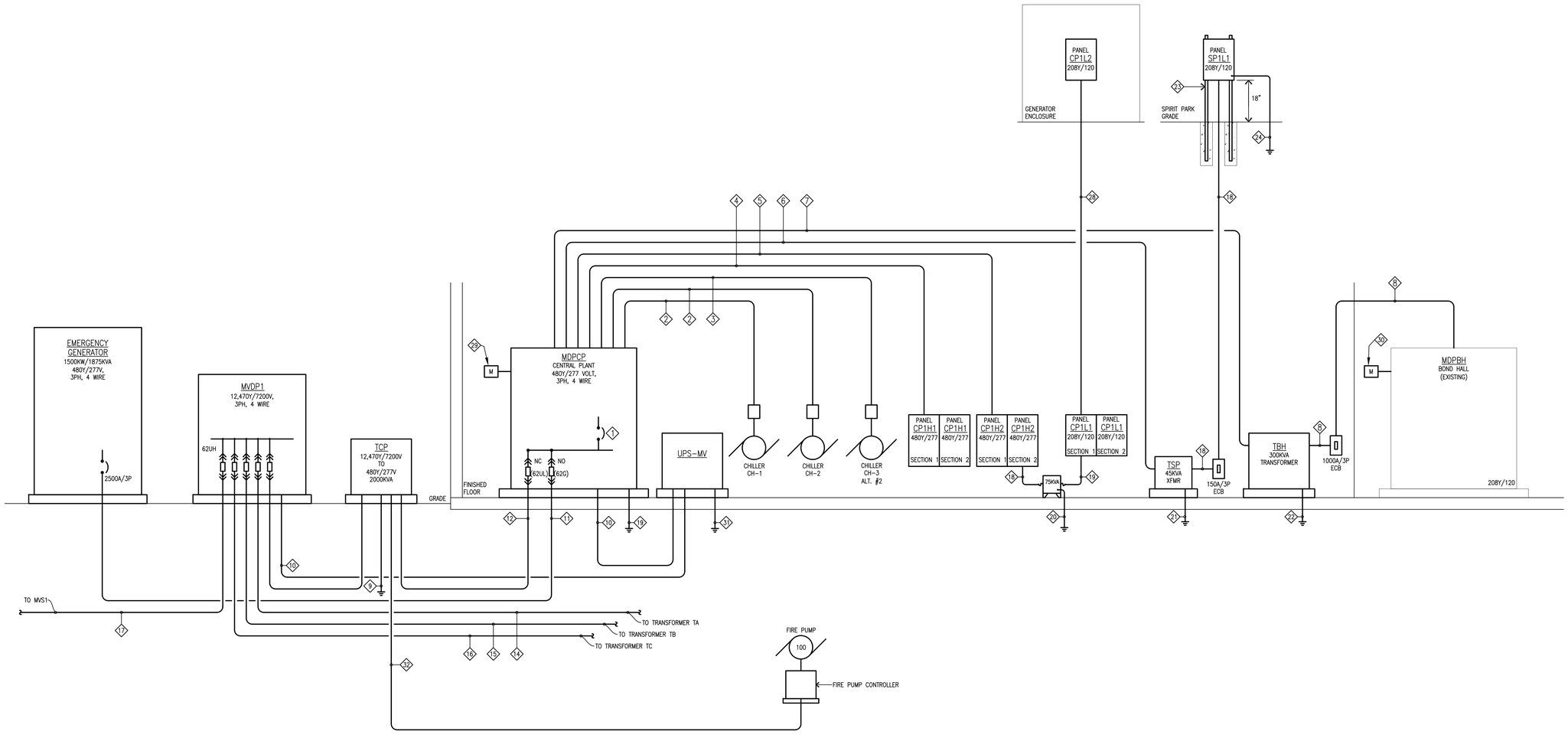

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION & NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR, UNIVERSITY PHYSICAL FACILITIES, EXISTING SYSTEMS AND OTHER TRADES.
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. BREAKER TO MDPBH (BOND HALL) SHALL BE ELECTRONICALLY OPERATED TYPE. BREAKER SHALL OPEN WHEN GENERATOR BREAKER 62G IS CLOSED.
2. FOR BASE BID CHILLER – PROVIDE TWO SETS OF (3) #500 KCMIL & (1) #1/0 GROUND. USE (1) 3" CONDUIT FOR EACH SET. FOR ALTERNATE #1 CHILLER – PROVIDE THREE SETS OF (3) #600 KCMIL & (1) #350 KCMIL GROUND. USE (1) 4" CONDUIT FOR EACH SET. SEE SHEET EP101CP.
3. PROVIDE TWO SETS OF (3) #250 KCMIL & (1) #2 GROUND. USE (1) 2-1/2" CONDUIT FOR EACH SET. THIS WORK IS PART OF ALTERNATE #2. SEE SHEET EP101CP.
4. 600A: (2 SETS) 4–#350 KCMIL, 1–#1 G, IN 3" CONDUIT, EACH SET.
5. 300A: 4–#350 KCMIL, 1–#3 G, IN 3" CONDUIT.
6. 3–#4, 1–#8 G IN 1 1/4" CONDUIT.
7. (2 SETS) 3–#4/0, 1–#2 G IN 2 1/2" CONDUIT, EACH SET.
8. (3 SETS) 4–#350 KCMIL, 1–#2/0 G IN 3" CONDUIT, EACH SET.
9. 1–#4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) AT EACH CORNER OF TRANSFORMER. CONNECT TO (1) 10'–0" x 3/4" DIA. GROUND ROD. (TOTAL OF 4)
10. SEE ELECTRICAL SPECIFICATION SECTION 261150–2.14 FOR UPS FEEDER SIZE & REQUIREMENTS.
11. 2500A: (6 SETS) 4–#600 KCMIL, 1–#350 KCMIL, IN 4" CONDUIT, EACH SET.
12. 3000A: (8 SETS) 4–#500 KCMIL, IN 4" CONDUIT, EACH SET.
13. 150A: 3–#1/0, 1–#6 G IN 2" CONDUIT.
14. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007
15. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007
16. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007
17. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007
18. 200A: 4–#3/0, 1–#6 G IN 2 1/2" CONDUIT.
19. 1–#4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) SEE GROUNDING DETAIL ON SHEET E002.
20. 1–#4 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
21. 1–#6 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
22. 1–#4/0 GROUNDING ELECTRODE CONDUCTOR IN 2" CONDUIT.
23. PROVIDE 3" SQUARE TUBING RACK (PAINTED). RACK SHALL EXTEND 4'–0" INTO THE GROUND. PROVIDE 2'–0" DIA X 48" CONCRETE BASE.
24. RE-ESTABLISH GROUND AT PANEL "SP1L1" WITH A #3 GEC AND (1) 10'–0" X 3/4" DIA. GROUND ROD.
25. NOT USED.
26. 100A: 4–#2, 1–#6 G, IN 1–1/4" CONDUIT.
27. 1–#8 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
28. 60A: 4–#6, 1–#8 G, IN 1" CONDUIT.
29. PROVIDE E–MON D–MON ELECTRICAL METER EQUAL TO MS4803200C–WYE WITH DATA CONNECTION. COORDINATE EXACT OPEN PROTOCOL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
30. PROVIDE E–MON D–MON ELECTRICAL METER EQUAL TO MS2081600C–WYE WITH DATA CONNECTION. COORDINATE EXACT OPEN PROTOCOL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
31. 1–#2 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
32. 200A: 3–#3/0, 1–#6 G IN 2" CONDUIT.

① BUILDING
A = A
B = B
C = C
CP = CENTRAL PLANT
SP = SPIRIT PARK
PK = POLICE KIOSK

② FLOOR
1 = FIRST FLOOR
2 = SECOND FLOOR
3 = THIRD FLOOR
4 = FOURTH FLOOR
5 = FIFTH FLOOR

③ VOLTAGE:
H = 480Y277 VOLTS
L = 208Y/120 VOLTS

④ PANEL SEQUENCE:
1 = 1ST PANEL
2 = 2ND PANEL
3 = 3RD PANEL
M = MECHANICAL

ELECTRICAL PANEL DESIGNATION

NOT TO SCALE

1 CENTRAL PLANT & EMERGENCY ELECTRICAL POWER RISER DIAGRAM

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
• 2012020
DRAWN BY:
• JDG
CHECKED BY:
• JDL
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
CENTRAL PLANT & EMERGENCY POWER RISER DIAGRAM

SHEET NUMBER
E005
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Plot Date: BID DOCUMENTS - 04 MAR 2013

600A
175A
FUSED SWITCH, BPS INDICATES BOLTED PRESSURE SWITCH, #'S INDICATE FRAME RATING, FUSE RATING & CIRCUIT DESIGNATION.

PAD MOUNTED TRANSFORMER. TRANSFORMER, PAD, PRIMARY CONDUCTORS & TRANSFORMER ALL CONNECTIONS PROVIDED BY CONTRACTOR.

600/3 POWER CIRCUIT BREAKER. NUMBER INDICATES TRIP RATING & NUMBER OF POLES. ALL BREAKERS ARE TO BE 100% RATED DEVICES.

LA LIGHTNING ARRESTOR

CC CONTROL CIRCUIT

BC BATTERY CHARGER

25 SYNCH CHECK RELAY

CURRENT TRANSFORMER

POTENTIAL TRANSFORMER

DM DIGITAL METERING PACKAGE

GFR GROUND FAULT RELAY (PROVIDE PANEL MOUNTED FAULT TRIP INDICATION ON THE SWITCHBOARD

62U MEDIUM/LOW VOLTAGE UTILITY BREAKER L-LOW VOLTAGE (480V), H-HIGH VOLTAGE (12,470V).

62G LOW VOLTAGE (480V) GENERATOR BREAKER.

GMR GENERATOR MANAGEMENT RELAY

FMR FEEDER MANAGEMENT RELAY

T THERMOSTAT

NO NORMALLY OPEN

NC NORMALLY CLOSED

1 CENTRAL PLANT & EMERGENCY ELECTRICAL ONE-LINE DIAGRAM LEGEND

N.T.S.

OCCUPANCY SENSOR SETTINGS

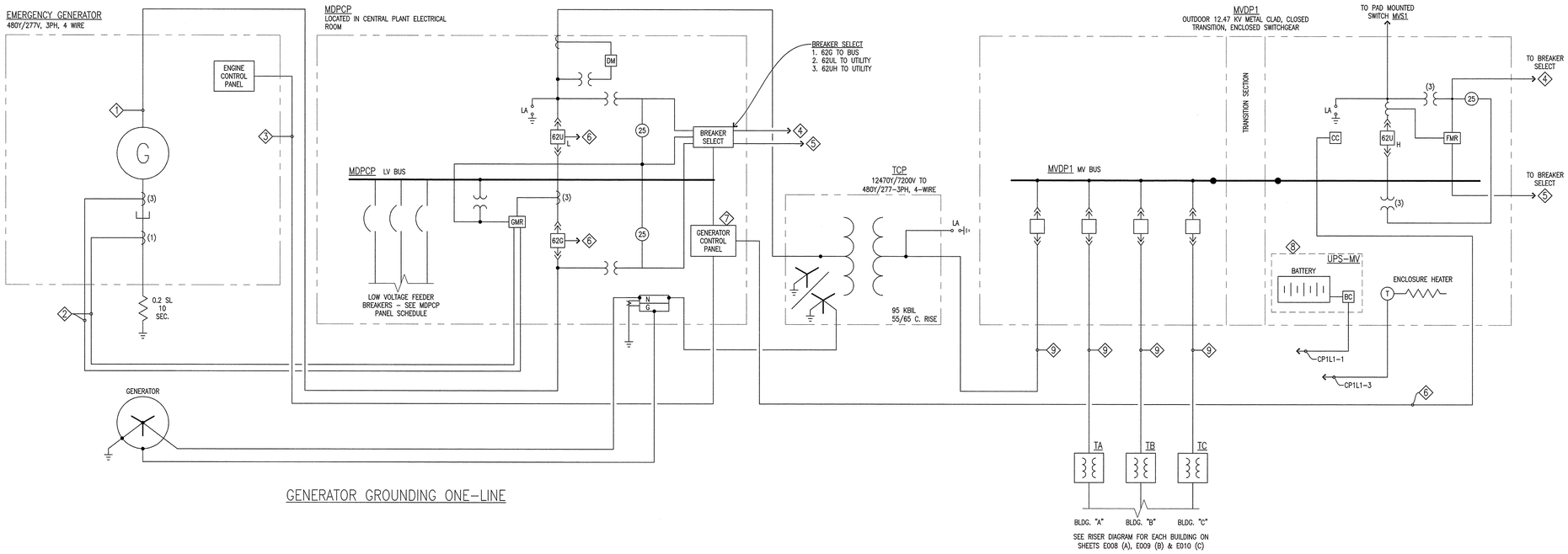
ROOM TYPE	TURN LIGHTING OFF WHEN ROOM IS VACANT:
LIVING ROOM / LOUNGE	AFTER 30 MINUTES
CORRIDORS	AFTER 30 MINUTES
MECHANICAL / ELECTRICAL	AFTER 30 MINUTES
OFFICES	AFTER 15 MINUTES
RESTROOMS	AFTER 15 MINUTES
STORAGE / HOUSEKEEPING	AFTER 10 MINUTES
DATA	AFTER 15 MINUTES

3 ELECTRICAL SCHEDULES

N.T.S.

UNINTERRUPTABLE POWER SUPPLY (UPS) SCHEDULE

DESIGNATION	BUILDING	ROOM NAME	USP DESCRIPTION	PART NUMBER	OPTION
UPS-BH	Bond Hall	Existing Data	APC SMART-UPS XL 3000VA 208V - RACK CONVERTIBLE	SUA3000XLT	UPS NETWORK MGMT CARD #AP9631
UPS-A-1-E	Building A	A126	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-2-E	Building A	A224	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-3-E	Building A	A326	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-4-E	Building A	A426	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-5-E	Building A	A526	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-1-W	Building A	HC118	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-2-W	Building A	A246	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-3-W	Building A	A344	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-4-W	Building A	A444	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-A-5-W	Building A	A544	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-B-1	Building B	B141	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-B-2	Building B	B241	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-B-3	Building B	B341	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-B-4	Building B	B441	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-B-5	Building B	B541	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-C-1	Building C	C139	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-C-2	Building C	C209	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-C-3	Building C	C307	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-C-4	Building C	C403	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631
UPS-C-5	Building C	C503	APC SMART-UPS XL 2200VA 120V - RACK CONVERTIBLE	SUA2200XL	UPS NETWORK MGMT CARD #AP9631



GENERATOR GROUNDING ONE-LINE

2 CENTRAL PLANT & EMERGENCY ELECTRICAL ONE-LINE DIAGRAM

N.T.S.

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2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. FEEDER – SEE RISER FOR SIZE
2. (6) #10 AWG IN 2" CONDUIT
3. CONTROL CABLE (27) #16 IN 2" CONDUIT (TYPICAL)
4. (4) #14 AWG IN 2" CONDUIT, ROUTE TO BREAKER SELECT
5. (4) #14 AWG IN 2" CONDUIT, ROUTE TO BREAKER SELECT
6. (6) #14 AWG TO CLOSED TRANSITION MODULE/BREAKER POSITION & (6) #14 OPEN/CLOSE CIRCUIT, IN 2" CONDUIT.
7. GENERATOR CONTROL PANEL LOCATED IN THE MAIN ELECTRICAL ROOM IN CENTRAL PLANT.
8. UPS-MV IS LOCATED IN THE MAIN ELECTRICAL ROOM IN CENTRAL PLANT – SEE SPEC'S 261150-2.9U.
9. MEDIUM VOLTAGE FEEDER – SEE MEDIUM VOLTAGE ONE-LINE FOR SIZING.

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SHEET TITLE
MV ONE-LINE & CENTRAL PLANT POWER RISER DIAGRAM

SHEET NUMBER
E006

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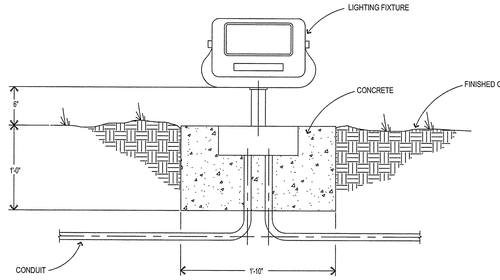
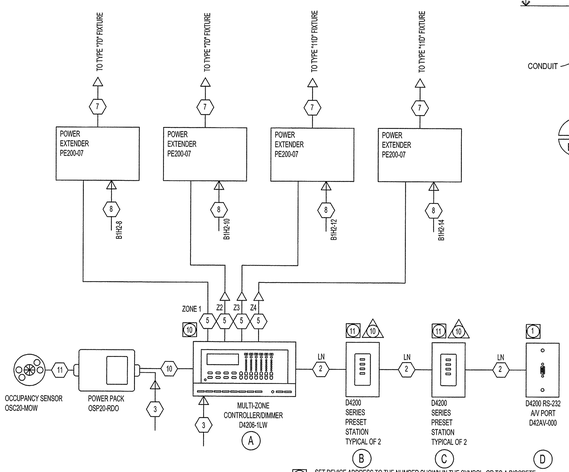
Plot Date: BID DOCUMENTS - 04 MAR 2013



1 / E007 FIXTURE #36 MOUNTING DETAIL

SCALE: N.T.S.



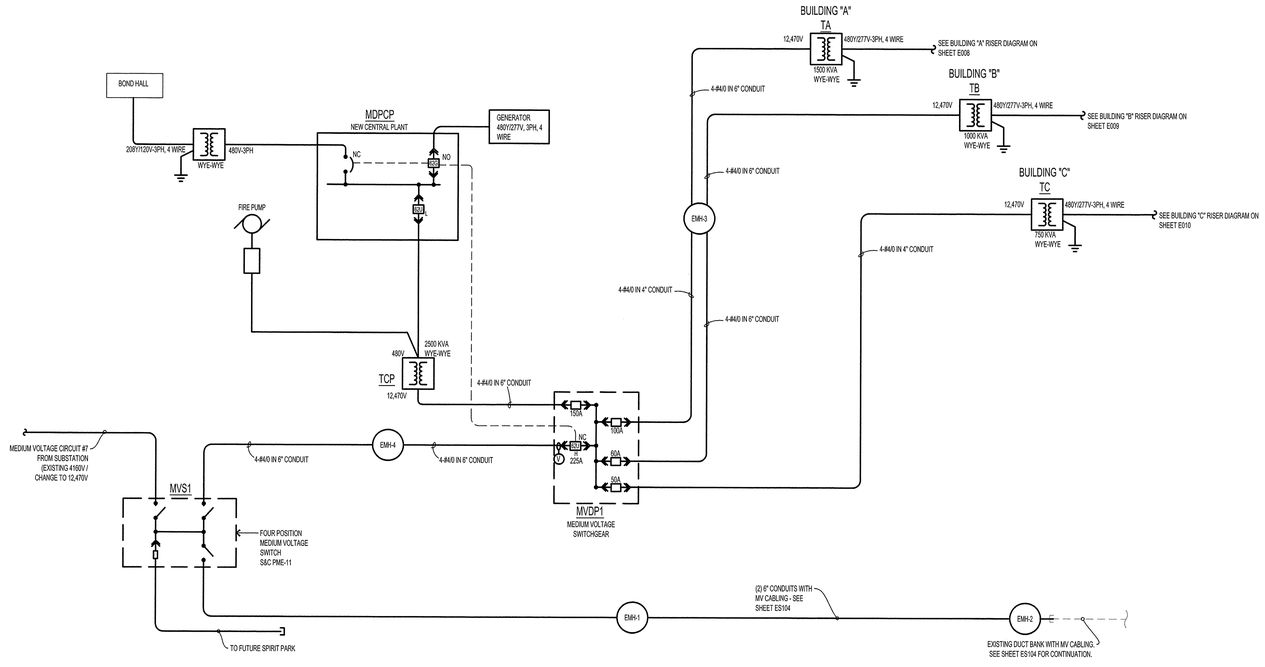
3 / E007 MULTI-PURPOSE ROOM LD217 LIGHTING CONTROL DETAIL

SCALE: N.T.S.

SYSTEMS COORDINATION AND BACKBOX / WIRING SCHEDULE

SYSTEM	DEVICE TYPE	SYSTEM FURNISHED BY	SYSTEM INSTALLED BY	ROUGH-IN PROVIDED BY	BOX SIZE	BOX DEPTH	WIRING BETWEEN DEVICES BY	FULL CONDUIT	CONDUIT STUB	REMARKS
DOOR ACCESS CONTROL	ELECTRIC STRIKE	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	DOOR POSITION SWITCH	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	CARD READER	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	FUTURE ADA READER	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	DOOR RELEASE	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	MAGNETIC LOCKS	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	PUSH BUTTON DOOR ACTIVATOR	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	HEAD-END EQUIPMENT	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
DOOR ACCESS CONTROL	UPS SYSTEM	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY - SEE NOTE #7
CCTV	UPS SYSTEM	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	N/A		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
CCTV	FIXED CAMERA (ALL TYPES)	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
CCTV	PTZ CAMERA	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
CCTV	HEAD-END EQUIPMENT	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	NOTE #4		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
FIRE ALARM	PULL STATION	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	A/V DEVICE (HORN - LIGHT)	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	A/V DEVICE (SPEAKER - LIGHT)	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	FLASHING LIGHT ONLY	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	HEAT DETECTOR	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	SMOKE DETECTOR - CEILING	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	SMOKE DETECTOR - DUCT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	TAMPER SWITCH	SPRINKLER CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	FLOW SWITCH	SPRINKLER CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	PIV (POST INDICATOR VALVE)	SPRINKLER CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	MAGNETIC HOLD-OPEN DEVICE	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
FIRE ALARM	HEAD-END EQUIPMENT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #3&#6	NOTE #3&#6	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	WORKSTATION OUTLETS	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	EMERGENCY PHONE	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	FIBER DISTRIBUTION	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	RACKS & WIRE MGMT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	N/A	N/A	ELECTRICAL CONT	N/A	N/A	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	UPS	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	N/A	N/A	ELECTRICAL CONT	N/A	N/A	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	WIRELESS	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	PATCH PANELS	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	PATCH CABLES	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE DATA	NETWORK SWITCHES	USM	USM	USM	N/A	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
CATV	TELEVISION OUTLET	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
CATV	HEAD-END EQUIPMENT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	N/A	N/A	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
VOICE/DATA - TV	VOICE/DATA - TV COMBO OUTLET	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
TV RELATED	RAPID RUN	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT	x		ELECT CONTR PROVIDES COMPLETE SYSTEM
PUBLIC ADDRESS	SPEAKERS	IDN-ACME	IDN-ACME	ELECTRICAL CONT	NOTE #5	NOTE #5	ELECTRICAL CONT		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
PUBLIC ADDRESS	HEAD-END EQUIPMENT	IDN-ACME	IDN-ACME	ELECTRICAL CONT	N/A	N/A	ELECTRICAL CONT		X	ELECT CONTR PROVIDES ROUGH-IN ONLY
SECURITY	PANIC BUTTONS	IDN-ACME	USM VENDOR	ELECTRICAL CONT	NOTE #1	NOTE #2	USM VENDOR	X		ELECT CONTR PROVIDES ROUGH-IN ONLY
SECURITY	CODE BLUE STATION	GC-SEE CIVIL DWGS	GC-SEE CIVIL DWGS	ELECTRICAL CONT	N/A	N/A	ELECTRICAL CONT	X		POWER AND CABLING BY ELECTRICAL CONTRACTOR
MISC SYSTEM	A-PHONE	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #1	NOTE #2	ELECTRICAL CONT		X	ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	NURSE CALL HEADEND EQPT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	NURSE MASTER	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	DOME & ZONE LIGHT	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	ROOM STATION	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	EMERGENCY PUSHBUTTON	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM
NURSE CALL SYSTEM	EMERGENCY PILL CORD	ELECTRICAL CONT	ELECTRICAL CONT	ELECTRICAL CONT	NOTE #6&#9	NOTE #6&#9	ELECTRICAL CONT	X		ELECT CONTR PROVIDES COMPLETE SYSTEM

NOTES:
1. 5 SQUARE BACKBOX (RANDL IND. T-55017)WITH SINGLE GANG PLASTER RING
2. 2.875" DEEP
3. REFER TO SPECS SECTION 283111 FOR VENDOR REQUIREMENTS FOR EACH DEVICE TYPE.
4. CABLING PROVIDED AND INSTALLED BY USM VENDOR
5. COORDINATE EXACT SIZE WITH VENDOR.
6. CABLING PROVIDED AND INSTALLED BY CONTRACTOR.
7. SEE DETAILS ON SHEET E002.
8. ALL CONDUIT STUBS SHALL BE TAKEN BACK TO ABOVE ACCESSIBLE CEILINGS.
9. REFER TO SPECS SECTION 271300 FOR VENDOR REQUIREMENTS FOR EACH DEVICE TYPE.



2 / MEDIUM VOLTAGE ONE-LINE DIAGRAM

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JOSEPH D. LEGGE
REGISTERED ENGINEER
15189
STATE OF MISSISSIPPI

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7 NOT USED

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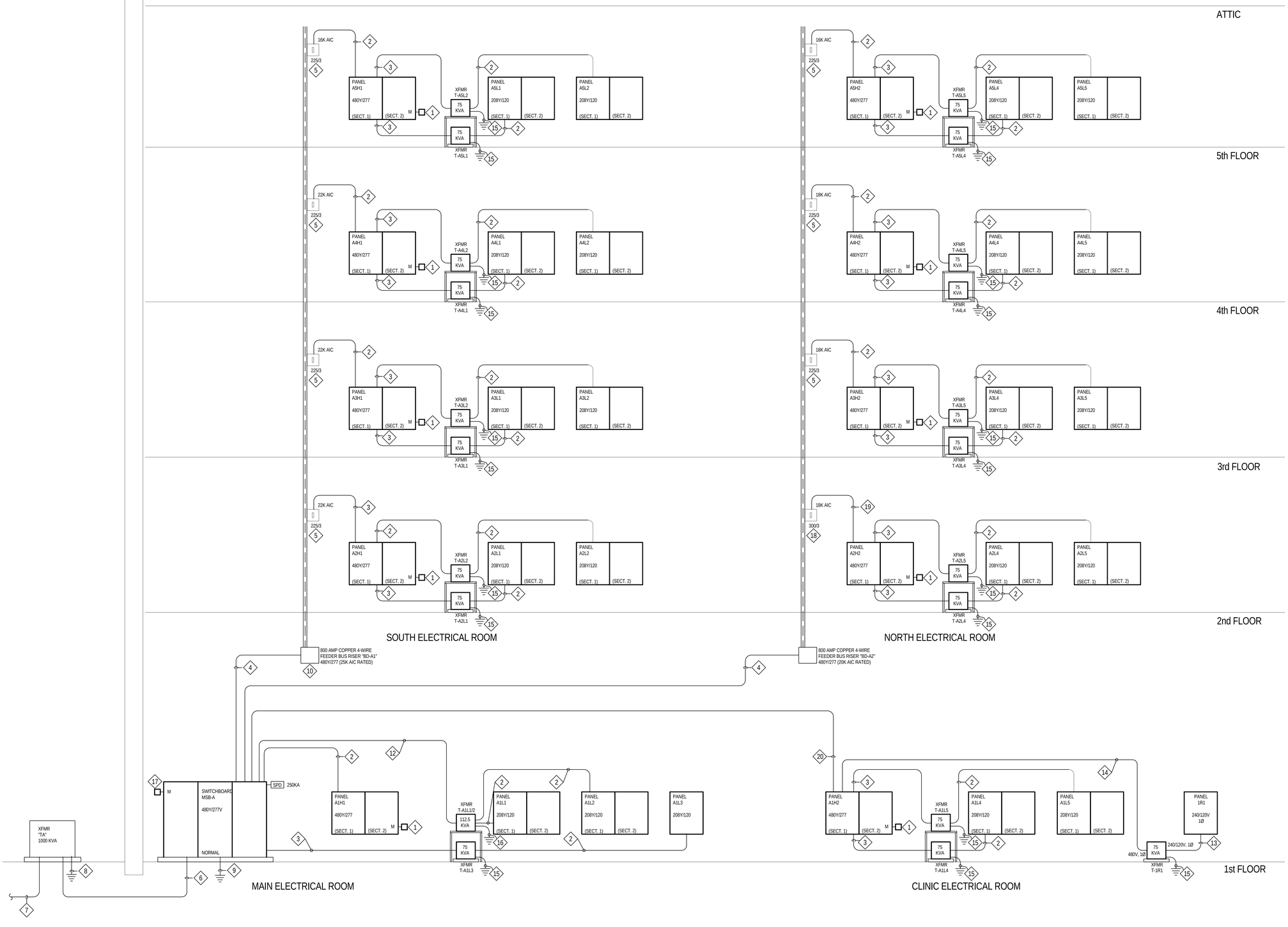

KEYNOTES

1. PROVIDE KILOWATT METER FOR SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS480400C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
2. 225 AMP - 4 - #4/0, 1 - #4 G IN 2 1/2" CONDUIT.
3. 125 AMP - 3 - #1, 1 - #6 G IN 1 1/2" CONDUIT.
4. 800 AMP - (2 SETS) 4 - #600 KCMIL, 1 - #2/0 G IN 4" CONDUIT, EACH SET.
5. PROVIDE 225A-3P BUS BREAKER. BREAKER TO HAVE ADJUSTABLE INSTANTANEOUS TRIPS.
6. 1600 AMP - (4 SETS) 4 - #600 KCMIL IN 4" CONDUIT, EACH SET.
7. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007 FOR PROPER SIZING.
8. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) AT EACH CORNER OF TRANSFORMER CONNECTED TO (1) 10'-0" x 3/4" DIA. GROUND ROD. (TOTAL OF 4).
9. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) - SEE GROUNDING DETAIL ON SHEET E002.
10. BUS DUCT TAP BOX.
11. 380 AMP: (4) #500 KCMIL, (1) #3 GROUND IN 4" CONDUIT.
12. 175 AMP: (3) #2/0, (1) #6 GROUND IN 2" CONDUIT.
13. (3) #3/0, (1) #6 GROUND IN 2-1/2" CONDUIT.
14. (2) #3/0, (1) #6 GROUND IN 2-1/2" CONDUIT.
15. 1 - #2 GROUNDING ELECTRODE CONDUCTOR (GEC) - SEE GROUNDING DETAIL ON SHEET E002.
16. 1 - #1/0 GROUNDING ELECTRODE CONDUCTOR (GEC) - SEE GROUNDING DETAIL ON SHEET E002.
17. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS4801600C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
18. PROVIDE 300A-3P BUS BREAKER. BREAKER TO HAVE ADJUSTABLE INTANTANEOUS TRIPS.
19. 300 AMP: 4-#350 KCMIL, 1-#2 G IN 3" CONDUIT.
19. 400 AMP: 4-#600 KCMIL, 1-#2 G IN 4" CONDUIT.

1 2 3 4

1. BUILDING
   A = A
   B = B
   C = C
2. FLOOR
   1 = FIRST FLOOR
   2 = SECOND FLOOR
   3 = THIRD FLOOR
   4 = FOURTH FLOOR
   5 = FIFTH FLOOR
3. VOLTAGE:
   H = 480Y/277 VOLTS
   L = 208Y/120 VOLTS
4. PANEL SEQUENCE:
   1 = 1ST PANEL
   2 = 2ND PANEL
   3 = 3RD PANEL
   M = MECHANICAL

ELECTRICAL PANEL DESIGNATION

NOT TO SCALE

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - ELECTRICAL RISER

SHEET NUMBER
E008

375 of 458

3/4/2013 1:47:45 PM

Plot Date: BID DOCUMENTS - 04 MAR 2013

KEYNOTES

1. PROVIDE KILOWATT METER FOR SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS4801600C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
2. 225 AMP - 4 - #4/0, 1 - #4 G IN 2 1/2" CONDUIT.
3. 125 AMP - 3 - #1, 1 - #6 G IN 1 1/2" CONDUIT.
4. 300 AMP - 4 -#350 KCMIL, 1 - #3 G IN 3" CONDUIT.
5. PROVIDE 300A-3P BUS BREAKER. BREAKER TO HAVE ADJUSATABLE INSTANTANEOUS TRIPS, WITH 30 KAIC RATING.
6. 1000 AMP - (3 SETS) 4 - #400 KCMIL, 1 - #3/0 G IN 3 1/2" CONDUIT. EACH SET.
7. 150 AMP - 4 - #1/0, 1 - #6 G IN 2" CONDUIT.
8. 85 AMP - 3 - #4, 1 - #8 G IN 1" CONDUIT.
9. 1 - #6 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
10. 1 - #4 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
11. 100 AMP - 4 - #2, 1 - #6 G IN 1 1/2" CONDUIT.
12. 200 AMP - 4 - #3/0, 1 - #6 G IN 2" CONDUIT.
13. 175 AMP - 3 - #2/0, 1 - #6 G IN 2" CONDUIT.
14. 1200 AMP - (3 SETS) 4 - #600 KCMIL IN 4" CONDUIT, EACH SET
15. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) AT EACH CORNER OF TRANSFORMER CONNECTED TO (1) 10'-0" x 3/4" DIA. GROUND ROD. (TOTAL OF 4).
16. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) - SEE GROUNDING DETAIL ON SHEET E002.
17. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007 FOR PROPER SIZING.
18. 1 - #2 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
19. BUS DUCT TAP BOX.
20. 400 AMP - 3 - #500 KCMIL, 1 - #500 KCMIL NEUTRAL, 1 - #2 G IN 4" CONDUIT.
21. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS4801600C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
22. 400 AMP: 4-#600 KCMIL, 1-#2 G IN 4" CONDUIT

① BUILDING
A = A
B = B
C = C

② FLOOR
1 = FIRST FLOOR
2 = SECOND FLOOR
3 = THIRD FLOOR
4 = FOURTH FLOOR
5 = FIFTH FLOOR

③ VOLTAGE:
H = 480Y/277 VOLTS
L = 208Y/120 VOLTS

④ PANEL SEQUENCE:
1 = 1ST PANEL
2 = 2ND PANEL
3 = 3RD PANEL
M = MECHANICAL

ELECTRICAL PANEL DESIGNATION

NOT TO SCALE

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: Author
CHECKED BY: Checker
DATE ISSUED: 04 MAR 2013

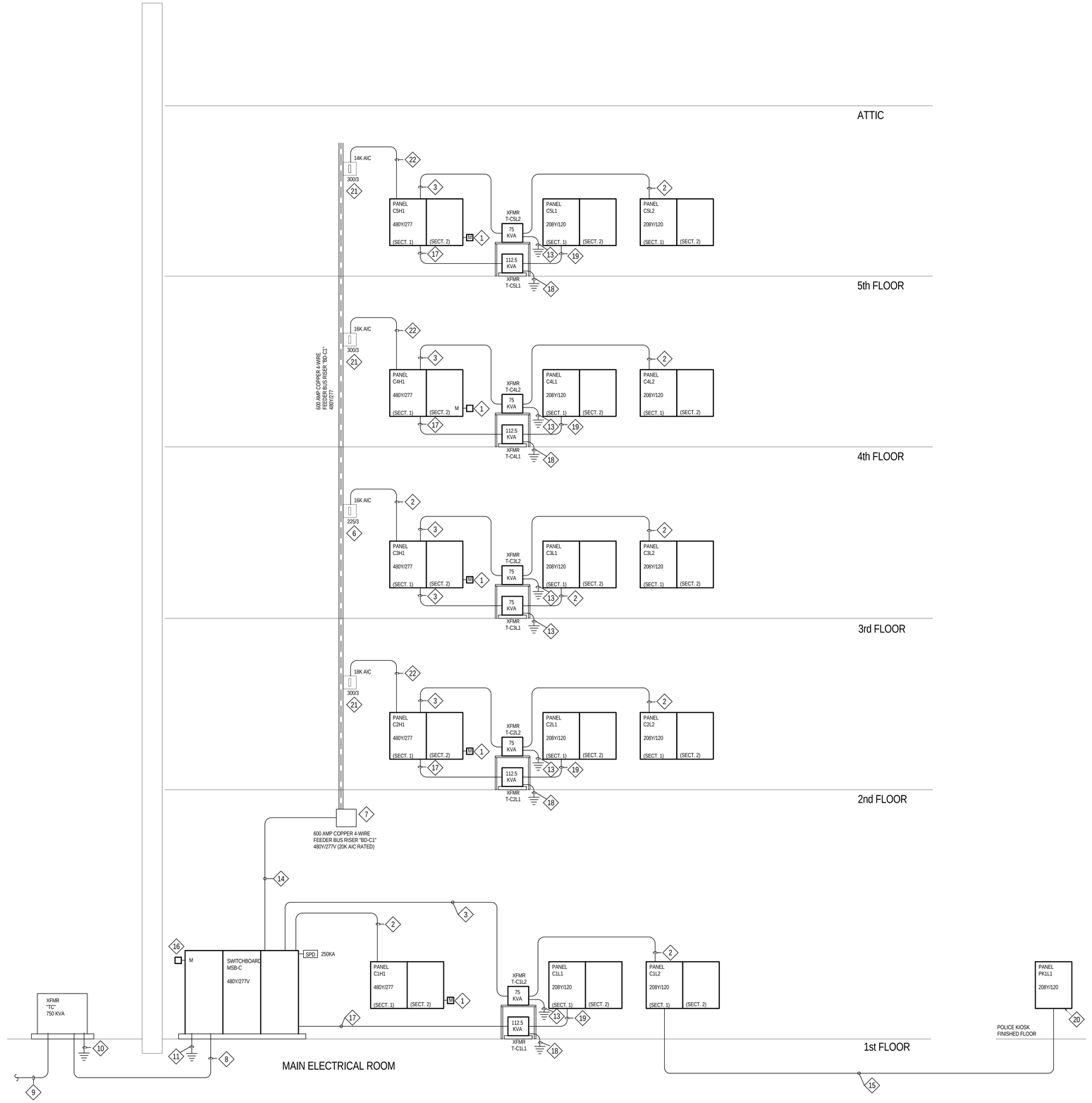
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - ELECTRICAL RISER

SHEET NUMBER
E009
376 of 458

3/9/2013 9:37:00 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013



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KEYNOTES

1. PROVIDE KILOWATT METER FOR SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS4801600C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
2. 225 AMP - 4 - #4/0, 1 - #4 G IN 2 1/2" CONDUIT.
3. 125 AMP - 3 - #1, 1 - #6 G IN 1 1/2" CONDUIT.
4. 150 AMP - 4 - #1/0, 1 - #6 G IN 2" CONDUIT.
5. 85 AMP - 3 - #4, 1 - #8 IN 1" CONDUIT.
6. PROVIDE 225A-3P BUS BREAKER. BREAKER TO HAVE ADJUSAT ABLE INSTANTANEOUS TRIPS.
7. BUS DUCT TAP BOX
8. 1000 AMP - (3 SETS) 4 - #400 KCMIL IN 3" CONDUIT, EACH SET.
9. SEE MEDIUM VOLTAGE ONE-LINE DIAGRAM ON SHEET E007 FOR PROPER SIZING.
10. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) AT EACH CORNER OF TRANSFORMER CONNECTED TO (1) 10'-0" x 3/4" DIA. GROUND ROD. (TOTAL OF 4).
11. 1 - #4/0 GROUNDING ELECTRODE CONDUCTOR (GEC) - SEE GROUNDING DETAIL ON SHEET E002.
12. 1 - #6 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT
13. 1 - #4 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT
14. 600 AMP - (2 SETS) 4 - #350 KCMIL, 1 - #1 G. IN 3" CONDUIT, EACH SET.
15. 130 AMP: 4 - #1, 1 - #6 G IN 1 1/2" CONDUIT.
16. PROVIDE E-MON D-MON ELECTRICAL METER EQUAL TO MS4801600C-WYE WITH DATA CONECTION. COORDINATE EXACT OPEN PROTOCAL WITH USM ELECTRICAL DEPARTMENT PRIOR TO ORDERING.
17. 175 AMP: 3-#2/0, 1-#6 G IN 2" CONDUIT
18. 1-#2 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.
19. 380 AMP: 4-#500 KCMIL, 1-#3 G IN 3 1/2" CONDUIT.
20. PROVIDE LUGS IN PANEL FOR CONDUCTOR SHOWN.
21. PROVIDE 300A-3P BUS BREAKER. BREAKER TO HAVE ADJUSTABLE INSTANTANEOUS TRIPS.
22. 300 AMP: 4-#350 KCMIL, 1-#3 G IN 3" CONDUIT.

① BUILDING
A = A
B = B
C = C
PK = POLICE KIOSK

② FLOOR
1 = FIRST FLOOR
2 = SECOND FLOOR
3 = THIRD FLOOR
4 = FOURTH FLOOR
5 = FIFTH FLOOR

③ VOLTAGE:
H = 480Y/277 VOLTS
L = 208Y/120 VOLTS

④ PANEL SEQUENCE:
1 = 1ST PANEL
2 = 2ND PANEL
3 = 3RD PANEL
M = MECHANICAL

ELECTRICAL PANEL DESIGNATION

NOT TO SCALE

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PROJECT TITLE
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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- Author

CHECKED BY:
- Checker

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - ELECTRICAL RISER

SHEET NUMBER
E010

377 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:37:11 AM

Switchboard MSB-A

Location: ELEC A124 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 30K
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: FLOOR | **Wires:** 4 | **Mains Rating:** 1600 A
Enclosure: NEMA 1 | **MCB Rating:** 1600 A

CKT	Circuit Description	# of Poles	Trip Rating	A	B	C	Remarks
1	A1H1	3	225 A	12158 VA	12024 VA	12528 VA	SEE RISER
2	A1H2	3	400 A	55181 VA	55583 VA	41245 VA	SEE RISER
3	BD-A1	3	800 A	174643 VA	162253 VA	213100 VA	SEE RISER
4	BD-A2	3	800 A	157168 VA	143876 VA	218075 VA	SEE RISER
5	SPD	3	100 A	0 VA	0 VA	0 VA	
6	SPARE	3	400 A	0 VA	0 VA	0 VA	
7	SPARE	3	400 A	0 VA	0 VA	0 VA	
8	SPACE	3	400 A	0 VA	0 VA	0 VA	
9	Spare	3	400 A	0 VA	0 VA	0 VA	
10	Spare	3	400 A	0 VA	0 VA	0 VA	
11	T-A1L1/2	3	175 A	38392 VA	41856 VA	28672 VA	SEE RISER
12	T-A1L3	3	125 A	10260 VA	10260 VA	11300 VA	SEE RISER
13							
14							
15							
16							
17							
18							
19							
20							
				447802 VA	425852 VA	524920 VA	
				1629 A	1537 A	1907 A	

Load Classification	Connected	Demand Factor	Estimated	Panel Totals	
HVAC	49904 VA	80.00%	39923 VA		
Lighting	97921 VA	85.00%	83233 VA	**Total Conn. Load:**	1398574 VA
Lighting - Dwelling Unit	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	831335 VA
Lighting - Exterior	120 VA	125.00%	150 VA	**Total Conn.:**	1682 A
Motor	115885 VA	80.00%	92708 VA	**Total Est. Demand:**	1000 A
Other	0 VA	0.00%	0 VA		
Power	68868 VA	100.00%	68868 VA		
Receptacle	1038846 VA	50.00%	519423 VA		
Spare	26030 VA	100.00%	26030 VA		

Notes:
1. 1600A MAIN BREAKER SWITCHBOARD. 30K AIC MINIMUM
2. ALL BREAKERS SHALL HAVE LT, LTD, ST, STD, GF, GFD AND INSTANTANEOUS TRIPS

Branch Panel: A1H1

Location: ELEC A124 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Spare		20 A	1	0 VA 720 VA			1	20 A	3#12	Lighting A109	2
3	Spare		20 A	1		0 VA 480 VA		1	20 A	3#12	Lighting A105	4
5	Spare		20 A	1			0 VA 928 VA	1	20 A	3#12	Lighting A114	6
7	Spare		20 A	1	0 VA 480 VA			1	20 A	3#12	Lighting A110	8
9	Spare		20 A	1		0 VA 378 VA		1	20 A	3#12	Lighting A101	10
11	Spare		20 A	1			0 VA 586 VA	1	20 A	3#12	Lighting A119	12
13	Trash Compactor	3#10,1#12G	25 A	3	3880 788 VA			1	20 A	3#12	Lighting A125	14
15	--	--	--	--		3880 974 VA		1	20 A	3#12	Lighting A102	16
17	--	--	--	--			3880 551 VA	1	20 A	3#12	Lighting NL / EM	18
19	Spare		20 A	1	0 VA 1225			1	20 A	3#10	Lighting STAIR A2 A120	20
21	Spare		20 A	1		0 VA 1166		1	20 A	3#10	Lighting STAIR A3 A115	22
23	Spare		20 A	1			0 VA 1015	1	20 A	3#10	CORRIDOR A100e	24
25	Spare		20 A	1	0 VA 230 VA			1	20 A	3#10	Lighting Exterior	26
27	Spare		20 A	1		0 VA 875 VA		1	20 A	3#10	Lighting Exterior	28
29	Spare		20 A	1			0 VA 1215	1	20 A	3#10	Lighting Exterior	30
31	Spare		20 A	1	0 VA 92 VA			1	20 A	3#10	Lighting Exterior	32
33	Spare		20 A	1		0 VA 0 VA		--	--		Space	34
35	Spare		20 A	1			0 VA 0 VA	--	--		Space	36
37	Spare		20 A	1	0 VA 0 VA			--	--		Space	38
39	Spare		20 A	1		0 VA 0 VA		--	--		Space	40
41	Spare		20 A	1			0 VA 0 VA	--	--		Space	42
43	FCU A1-1, 2, 3	3#12	20 A	1	417 VA 776 VA			3	20 A	3#12,1#12G	HWRP-A1	44
45	FCU A1-4, 5, 6	3#12	20 A	1		417 VA 776 VA		--	--		--	46
47	FCU A1-7, 8, 9	3#12	20 A	1			417 VA 776 VA	--	--		--	48
49	FCU A1-10, 11, 12	3#12	20 A	1	445 VA 776 VA			3	20 A	3#12,1#12G	HWRP-A2	50
51	FCU A1-13, 15	3#12	20 A	1		278 VA 776 VA		--	--		--	52
53	FCU A1-18, 19	3#12	20 A	1			334 VA 776 VA	--	--		--	54
55	FCU A1-14, 16, 17	3#12	20 A	1	639 VA 776 VA			3	20 A	3#12,1#12G	HWRP-A3	56
57	FCU A1-23, 24	3#12	20 A	1		334 VA 776 VA		--	--		--	58
59	FCU A1-20, 21	3#12	20 A	1			500 VA 776 VA	--	--		--	60
61	FCU Stair A120	3#12	20 A	1	140 VA 776 VA			3	20 A	3#12,1#12G	HWRP-A4	62
63	FCU Stair A115	3#12	20 A	1		140 VA 776 VA		--	--		--	64
65	Spare		20 A	1			0 VA 776 VA	--	--		--	66
67	Spare		20 A	1	0 VA 0 VA			--	--		Space	68
69	Spare		20 A	1		0 VA 0 VA		--	--		Space	70
71	Spare		20 A	1			0 VA 0 VA	--	--		Space	72
73	Spare		20 A	1	0 VA 0 VA			--	--		Space	74
75	Spare		20 A	1		0 VA 0 VA		--	--		Space	76
77	Spare		20 A	1			0 VA 0 VA	--	--		Space	78
79	Spare		20 A	1	0 VA 0 VA			--	--		Space	80
81	Spare		20 A	1		0 VA 0 VA		--	--		Space	82
83	Spare		20 A	1			0 VA 0 VA	--	--		Space	84
			Total Load:		12158 VA	12024 VA	12528 VA					
			Total Amps:		44 A	43 A	45 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	13369 VA	80.00%	10695 VA		
Lighting	11082 VA	85.00%	9420 VA	**Total Conn. Load:**	36711 VA
Lighting - Dwelling Unit	500 VA	100.00%	500 VA	**Total Est. Demand:**	30077 VA
Lighting - Exterior	120 VA	125.00%	150 VA	**Total Conn.:**	44 A
Motor	11640 VA	80.00%	9312 VA	**Total Est. Demand:**	36 A
Other	0 VA	0.00%	0 VA		

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 25K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A1L1

Location: ELEC A124 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Recept A101a NOTE 5	3#10	20 A	1	720 VA 360 VA			1	20 A	3#10	Receptacle A108	2
3	Recept A101 NOTE 5	3#10	20 A	1		540 VA 1500		2	20 A	2#10,1#10G	Oven A108	4
5	Recept A101 NOTE 5	3#10	20 A	1			540 VA 1500	--	--		--	6
7	Refrig. A101 NOTE 5	3#10	20 A	1	1800 0 VA			--	--		SHUNT-TRIP OVEN	8
9	Microwave A101 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A110 NOTE5	10
11	Recept A101b NOTE 5	3#10	20 A	1			1500 1080	1	20 A	3#10	Receptacle A110 NOTE5	12
13	Wash Mach A101	3#10	20 A	1	1200 1500			1	20 A	3#10	Receptacle A110a NOTE5	14
15	Receptacle A101 NOTE 5	3#10	20 A	1		540 VA 900 VA		1	20 A	3#10	Receptacle A112 NOTE5	16
17	Range Hood A101	3#10	20 A	1			500 VA 900 VA	1	20 A	3#10	Receptacle A112 NOTE5	18
19	Range A101	2#8,1#10G	50 A	2	4270 1500			1	20 A	3#10	Receptacle A112 NOTE5	20
21	--	--	--	--		4270 900 VA		1	20 A	3#10	Receptacle A114 NOTE5	22
23	Dishwasher APT A101	3#10	20 A	1			1092 900 VA	1	20 A	3#10	Receptacle A114 NOTE5	24
25	Dryer A101 D	2#10,1#10G	30 A	2	1700 1500			1	20 A	3#10	Receptacle A114 NOTE5	26
27	--	--	--	--		1700 900 VA		1	20 A	3#10	Receptacle A116 NOTE5	28
29	Receptacle A105 NOTE 5	3#10	20 A	1			900 VA 900 VA	1	20 A	3#10	Receptacle A116 NOTE5	30
31	Receptacle A105 NOTE 5	3#10	20 A	1	900 VA 180 VA			1	20 A	3#10	Receptacle A116 NOTE5	32
33	Receptacle A105 NOTE 5	3#10	20 A	1		1500 540 VA		1	20 A	3#10	Receptacle A108	34
35	Receptacle A107 NOTE 5	3#10	20 A	1			900 VA 900 VA	1	20 A	3#10	Microwave A108	36
37	Receptacle A107 NOTE 5	3#10	20 A	1	900 VA 1440			1	20 A	3#10	Refrigerator A108	38
39	Receptacle A107 NOTE 5	3#10	20 A	1		1500 540 VA		1	20 A	3#10	Receptacle A108	40
41	Receptacle A109 NOTE 5	3#10	20 A	1			900 VA 360 VA	1	20 A	3#10	Receptacle A108	42
43	Receptacle A109 NOTE 5	3#10	20 A	1	900 VA 500 VA			1	20 A	3#10	Auto Door A113	44
45	Receptacle A109 NOTE 5	3#10	20 A	1		1500 500 VA		1	20 A	3#10	Auto Door A108	46
47	Receptacle A111 NOTE 5	3#10	20 A	1			900 VA 500 VA	1	20 A	3#10	Auto Door A100e	48
49	Receptacle A111 NOTE 5	3#10	20 A	1	900 VA 500 VA			1	20 A	3#10	Auto Door A106	50
51	Receptacle A111 NOTE 5	3#10	20 A	1		1500 972 VA		1	20 A	3#10	Receptacle A101	52
53	Receptacle A113 NOTE 5	3#10	20 A	1			900 VA 0 VA	1	20 A		Spare	54
55	Receptacle A113 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Receptacle A113 NOTE 5	3#10	20 A	1		1500 0 VA		1	20 A		Spare	58
59	Receptacle A118 NOTE 5	3#10	20 A	1			900 VA 0 VA	1	20 A		Spare	60
61	Receptacle A118 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Receptacle A118 NOTE 5	3#10	20 A	1		1500 0 VA		1	20 A		Spare	64
65	Receptacle A117	3#10	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Receptacle A117	3#10	20 A	1	360 VA 0 VA			1	20 A		Spare	68
69	Receptacle A100e	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	70
71	Receptacle Exterior	3#10	20 A	1			540 VA 0 VA	1	20 A		Spare	72
73	Microwave A108	3#10	20 A	1	900 VA 0 VA			--	--		Space	74
75	Gate	2#8,1#10G	20 A	1		1680 0 VA		--	--		Space	76
77	Trash Compactor	2#8,1#10G	20 A	1			180 VA 0 VA	--	--		Space	78
79	Receptacle	2#8,1#10G	20 A	1	180 VA 0 VA			--	--		Space	80
81	Receptacle A106	3#10	20 A	1		720 VA 0 VA		--	--		Space	82
83	Receptacle A106 Chase	3#10	20 A	1			360 VA 0 VA	--	--		Space	84
			Total Load:		24010 VA	27902 VA	17512 VA					
			Total Amps:		208 A	241 A	146 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	2500 VA	100.00%	2500 VA		
Receptacle	65244 VA	50.00%	32622 VA	**Total Conn. Load:**	69424 VA
Spare	1680 VA	100.00%	1680 VA	**Total Est. Demand:**	36802 VA
				Total Conn.:	193 A
				Total Est. Demand:	102 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A1L2

Location: ELEC A124 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A119 NOTE 5	3#12	20 A	1	720 VA 360 VA			1	20 A	3#12	Receptacle A127	2
3	Receptacle A119 NOTE 5	3#12	20 A	1		360 VA 360 VA		1	20 A	3#12	Receptacle A124	4
5	Receptacle A119 NOTE 5	3#12	20 A	1			360 VA 720 VA	1	20 A	3#10	Receptacle A100d	6
7	Receptacle A119 Refrig.	3#12	20 A	1	1800 180 VA			1	20 A	3#12	Receptacle A100c Vending	8
9	Receptacle A119 NOTE 5	3#12	20 A	1		540 VA 180 VA		1	20 A	3#12	Receptacle A100c Vending	10
11	Wash Mach A119	3#12	20 A	1			1500 180 VA	1	20 A	3#12	Receptacle A100c Vending	12
13	Receptacle A119c NOTE	3#12	20 A	1	720 VA 4270			2	50 A	2#8,1#10G	Range A119	14
15	Receptacle A119b NOTE	3#12	20 A	1		540 VA 4270		--	--		--	16
17	Receptacle A119a NOTE	3#12	20 A	1			1500 500 VA	1	20 A	3#12	Range Hood A119	18
19	Microwave A119 NOTE 5	3#12	20 A	1	900 VA 720 VA			1	20 A	3#10	Receptacle A100a	20
21	Dryer. A119	2#10,1#10N,1#10G	30 A	2		1700 900 VA		1	20 A	3#10	Receptacle A100a	22
23	--	--	--	--			1700 360 VA	1	20 A	3#10	Receptacle A131	24
25	Disposal A119	3#12	20 A	1	972 VA 720 VA			1	20 A	3#10	Receptacle A131	26
27	Dishwasher A119	3#12	20 A	1		1092 720 VA		1	20 A	3#10	Receptacle A131	28
29	EDF	3#12	20 A	1			480 VA 540 VA	1	20 A	3#12	Receptacle A128	30
31	Receptacle A126	3#12	20 A	1	360 VA 540 VA			1	20 A	3#12	Receptacle A128	32
33	Receptacle A126	3#12	20 A	1		360 VA 720 VA		1	20 A	3#10	Receptacle A129	34
35	Receptacle A126	3#12	20 A	1			360 VA 540 VA	1	20 A	3#12	Receptacle A102	36
37	Receptacle A126	3#12	20 A	1	360 VA 360 VA			1	20 A	3#10	Receptacle Exterior	38
39	Receptacle A126	3#12	20 A	1		360 VA 452 VA		1	20 A	3#12	Receptacle Elev Pit	40
41	Receptacle A127	3#12	20 A	1			360 VA 480 VA	1	20 A		Motor	42
43	Receptacle A127	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	44
45	Receptacle A127	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	46
47	Receptacle A127	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	48
49	Receptacle A127	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle A130	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	52
53	Receptacle A125	3#10	20 A	1			720 VA 0 VA	1	20 A		Spare	54
55	Auto Door A100a	3#10	20 A	1	500 VA 0 VA			1	20 A		Spare	56
57	WH-A2	3#12	20 A	1		500 VA 0 VA		1	20 A		Spare	58
59	WH-A1	3#12	20 A	1			500 VA 0 VA	1	20 A		Spare	60
61	HWRP-A3	3#12	20 A	1	180 VA 0 VA			--	--		Space	62
63	Spare		20 A	1		0 VA 0 VA		--	--		Space	64
65	Spare		20 A	1			0 VA 0 VA	--	--		Space	66
67	Spare		20 A	1	0 VA 0 VA			--	--		Space	68
69	Spare		20 A	1		0 VA 0 VA		--	--		Space	70
71	Spare		20 A	1			0 VA 0 VA	--	--		Space	72
73	Spare		20 A	1	0 VA 0 VA			--	--		Space	74
75	Spare		20 A	1		0 VA 0 VA		--	--		Space	76
77	Spare		20 A	1			0 VA 0 VA	--	--		Space	78
79	Spare		20 A	1	0 VA 0 VA			--	--		Space	80
81	Spare		20 A	1		0 VA 0 VA		--	--		Space	82
83	Spare		20 A	1			0 VA 0 VA	--	--		Space	84
			Total Load:		14382 VA	13954 VA	11160 VA					
			Total Amps:		123 A	120 A	93 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	92 VA	85.00%	78 VA		
Motor	960 VA	80.00%	768 VA	**Total Conn. Load:**	39496 VA
Power	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	21068 VA
Receptacle	36444 VA	50.00%	18222 VA	**Total Conn.:**	110 A
				Total Est. Demand:	58 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A1L3

Location: ELEC A124 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Dryer A106	3#12	20 A	1	900 VA 0 VA			--	--		Space	2
3	Dryer A106	3#12	20 A	1		900 VA 0 VA		--	--		Space	4
5	Dryer A106	3#12	20 A	1			900 VA 0 VA	--	--		Space	6
7	Dryer A106	3#12	20 A	1	900 VA 0 VA			--	--		Space	8
9	Dryer A106	3#12	20 A	1		900 VA 0 VA		--	--		Space	10
11	Dryer A106	3#12	20 A	1			900 VA 0 VA	--	--		Space	12
13	Dryer A106	3#12	20 A	1	900 VA 0 VA			--	--		Space	14
15	Dryer A106	3#12	20 A	1		900 VA 0 VA		--	--		Space	16
17	Dryer A106	3#12	20 A	1			900 VA 1440	1	20 A	3#10	Washer A106	18
19	Dryer A106	3#12	20 A	1	900 VA 1440			1	20 A	3#10	Washer A106	20
21	Dryer A106	3#12	20 A	1		900 VA 1440		1	20 A	3#10	Washer A106	22
23	Dryer A106	3#12	20 A	1			900 VA 1440	1	20 A	3#10	Washer A106	24
25	Dryer A106	3#12	20 A	1	900 VA 1440			1	20 A	3#10	Washer A106	26
27	Dryer A106	3#12	20 A	1		900 VA 1440		1	20 A	3#10	Washer A106	28
29	Dryer A106	3#12	20 A	1			1440 1440	1	20 A	3#10	Washer A106	30
31	Space		--	--	0 VA 1440			1	20 A	3#10	Washer A106	32
33	Space		--	--		0 VA 1440		1	20 A	3#10	Washer A106	34
35	Space		--	--			0 VA 1440	1	20 A	3#10	Washer A106	36
37	Space		--	--	0 VA 1440			1	20 A	3#10	Washer A106	38
39	Space		--	--		0 VA 1440		1	20 A	3#10	Washer A106	40
41	Space		--	--			0 VA 500 VA	1	20 A		Power	42
			Total Load:		10260 VA	10260 VA	11300 VA					
			Total Amps:		86 A	86 A	94 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	18720 VA	80.00%	14976 VA		
Power	500 VA	100.00%	500 VA	**Total Conn. Load:**	31820 VA
Receptacle	12600 VA	50.00%	6300 VA	**Total Est. Demand:**	21776 VA
				Total Conn.:	88 A
				Total Est. Demand:	60 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
4. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

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PROJECT NO:
• 2012020
DRAWN BY:
• DKH
CHECKED BY:
• JDL
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E011
378 of 458

BUILDING "A" PANEL LEGEND

MSB-A	A1H1	A1L1
	A1L2	A1L3

3/9/2013 9:37:24 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: A1H2

Location: ELEC HC119 | **Device:** BOLT ON | **Mounting:** SURFACE
OC Type: CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:**
Voltage L-L: 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A1L4		125 A	3	16920	986 VA		1	20 A	3#12	Lighting HC14	2
3	--		--	--		19662	873 VA	1	20 A	3#12	Lighting HC138	4
5	--		--	--	16090	872 VA		1	20 A	3#12	Lighting HC125	6
7	T-A1L5		125 A	3	14236	784 VA		1	20 A	3#12	Lighting HC160	8
9	--		--	--		13338	748 VA	1	20 A	3#12	Lighting HC136	10
11	--		--	--			13278	2045	1	20 A	3#10	Lighting NL / EM	12
13	T-1R1	See Riser	175 A	2	12400	1255			1	20 A	3#12	Lighting HC156	14
15	--	--	--	--		11700	1308		1	20 A	3#10	Lighting HC121	16
17	Spare		20 A	1			0 VA	1506	1	20 A	3#12	Lighting HC122	18
19	Spare		20 A	1	0 VA	2005			1	20 A	3#12	Lighting HC115	20
21	Spare		20 A	1			0 VA	1166	1	20 A	3#10	Lighting STAIR A1 A171	22
23	Spare		20 A	1			0 VA	1000	1	20 A	3#12	Lighting HC100	24
25	Spare		20 A	1	0 VA	0 VA			--	--		Space	26
27	Spare		20 A	1			0 VA	0 VA	--	--		Space	28
29	Spare		20 A	1			0 VA	0 VA	--	--		Space	30
31	Spare		20 A	1	0 VA	0 VA			--	--		Space	32
33	Spare		20 A	1			0 VA	0 VA	--	--		Space	34
35	Spare		20 A	1			0 VA	0 VA	--	--		Space	36
37	Spare		20 A	1	0 VA	0 VA			--	--		Space	38
39	Spare		20 A	1			0 VA	0 VA	--	--		Space	40
41	Spare		20 A	1			0 VA	0 VA	--	--		Space	42
43	AHU-A1	3#8, 1#10G	60 A	3	6454	0 VA			--	--		Space	44
45	--		--	--		6454	0 VA		--	--		Space	46
47	--		--	--			6454	0 VA	--	--		Space	48
49	FCU Stair A171	3#12	20 A	1	140 VA	0 VA			--	--		Space	50
51	HVAC		20 A	1		333 VA	0 VA		--	--		Space	52
53	Spare		20 A	1			0 VA	0 VA	--	--		Space	54
55	Spare		20 A	1	0 VA	0 VA			--	--		Space	56
57	Spare		20 A	1		0 VA	0 VA		--	--		Space	58
59	Spare		20 A	1			0 VA	0 VA	--	--		Space	60
61	Spare		20 A	1	0 VA	0 VA			--	--		Space	62
63	Spare		20 A	1		0 VA	0 VA		--	--		Space	64
65	Spare		20 A	1			0 VA	0 VA	--	--		Space	66
67	Spare		20 A	1	0 VA	0 VA			--	--		Space	68
69	Spare		20 A	1		0 VA	0 VA		--	--		Space	70
71	Spare		20 A	1			0 VA	0 VA	--	--		Space	72
73	Spare		20 A	1	0 VA	0 VA			--	--		Space	74
75	Spare		20 A	1		0 VA	0 VA		--	--		Space	76
77	Spare		20 A	1			0 VA	0 VA	--	--		Space	78
79	Spare		20 A	1	0 VA	0 VA			--	--		Space	80
81	Spare		20 A	1		0 VA	0 VA		--	--		Space	82
83	Spare		20 A	1			0 VA	0 VA	--	--		Space	84
					Total Load:	55181 VA	55583 VA	41245 VA					
					Total Amps:	207 A	208 A	149 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1032 VA	80.00%	826 VA		
Lighting	14047 VA	85.00%	11940 VA	**Total Conn. Load:**	152009 VA
Lighting - Dwelling Unit	500 VA	100.00%	500 VA	**Total Est. Demand:**	104055 VA
Motor	23523 VA	80.00%	18818 VA	**Total Conn.:**	183 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	125 A
Power	6684 VA	100.00%	6684 VA		
Receptacle	81872 VA	50.00%	40936 VA		
Spare	24350 VA	100.00%	24350 VA		

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 16K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1, #7 AND #13 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A1L4

Location: ELEC HC119 | **Device:** BOLT ON | **Mounting:** SURFACE
OC Type: CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:**
Voltage L-L: 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle HC107	3#12	20 A	1	540 VA	900 VA		1	20 A	3#12	Receptacle HC116	2
3	Receptacle HC109	3#12	20 A	1			900 VA	180 VA	1	20 A	3#12	Receptacle HC116	4
5	Receptacle HC163	3#12	20 A	1					720 VA	180 VA	1	20 A	3#12	Receptacle HC116	6
7	Receptacle HC161	3#12	20 A	1	720 VA	1200					1	20 A	3#12	Receptacle HC116	8
9	Receptacle HC106	3#12	20 A	1			900 VA	4270			2	50 A	2#8,1#10G	Range HC116	10
11	Receptacle HC104	3#12	20 A	1					720 VA	4270	--	--		--	12
13	Receptacle HC102	3#12	20 A	1	720 VA	500 VA					1	20 A		Range Hood HC116	14
15	Receptacle HC111	3#12	20 A	1			900 VA	1092			1	20 A	3#12	Dishwasher HC116	16
17	Receptacle HC103	3#12	20 A	1					720 VA	540 VA	1	20 A	3#12	Receptacle HC161	18
19	Receptacle HC103	3#10	20 A	1	360 VA	360 VA					1	20 A	3#12	Receptacle HC118	20
21	Receptacle HC103	3#10	20 A	1			180 VA	360 VA			1	20 A	3#12	Receptacle HC118	22
23	Receptacle HC100	3#10	20 A	1					720 VA	360 VA	1	20 A	3#12	Receptacle HC118	24
25	Receptacle HC100	3#10	20 A	1	540 VA	360 VA					1	20 A	3#12	Receptacle HC118	26
27	Receptacle HC101	3#12	20 A	1			540 VA	480 VA			1	20 A	3#12	EDF	28
29	Receptacle HC101	3#12	20 A	1					360 VA				3#12		30
31	Receptacle HC113	3#12	20 A	1	1200	0 VA					1	20 A		Spare	32
33	Receptacle HC113	3#12	20 A	1			360 VA	0 VA			1	20 A		Spare	34
35	Receptacle HC113	3#12	20 A	1					540 VA	0 VA	1	20 A		Spare	36
37	Receptacle HC114	3#12	20 A	1	720 VA	0 VA					--	--		Space	38
39	Receptacle HC115	3#12	20 A	1			540 VA	0 VA			--	--		Space	40
41	Receptacle HC120	3#12	20 A	1					540 VA	0 VA	--	--		Space	42
43	Receptacle HC121	3#12	20 A	1	360 VA	360 VA					1	20 A	3#10	Receptacle HC156	44
45	Receptacle HC121	3#12	20 A	1			360 VA	360 VA			1	20 A	3#10	Receptacle HC156	46
47	Receptacle HC121	3#12	20 A	1					360 VA	360 VA	1	20 A	3#10	Receptacle HC156	48
49	Receptacle HC121	3#12	20 A	1	360 VA	360 VA					1	20 A	3#10	Receptacle HC156	50
51	Receptacle HC121	3#12	20 A	1			360 VA	540 VA			1	20 A	3#10	Receptacle HC156	52
53	Receptacle HC121	3#12	20 A	1					360 VA	540 VA	1	20 A	3#10	Receptacle HC156	54
55	Receptacle HC121	3#12	20 A	1	360 VA	360 VA					1	20 A	3#10	Receptacle HC156	56
57	Receptacle HC121	3#12	20 A	1			720 VA	720 VA			1	20 A	3#10	Receptacle HC156c	58
59	Receptacle HC122	3#12	20 A	1					540 VA	720 VA	1	20 A	3#10	Receptacle HC156b	60
61	Receptacle HC122	3#12	20 A	1	1200	720 VA					1	20 A	3#10	Receptacle HC100	62
63	Receptacle HC122	3#12	20 A	1			360 VA	1260			1	20 A	3#12	Receptacle HC100	64
65	Receptacle HC122	3#12	20 A	1					180 VA	500 VA	1	20 A	3#12	Auto Door HC100	66
67	Receptacle HC122	3#12	20 A	1	1200	500 VA					1	20 A	3#12	Auto Door HC100	68
69	Receptacle HC124	3#12	20 A	1			540 VA	540 VA			1	20 A	3#10	Receptacle HC100	70
71	Receptacle Exterior	3#10	20 A	1					540 VA	360 VA	1	20 A	3#12	Receptacle HC117	72
73	Receptacle Exterior	3#10	20 A	1	540 VA	180 VA					1	20 A	3#12	Receptacle HC121	74
75	Receptacle HC156	3#10	20 A	1			1200	1200			1	20 A	3#12	Receptacle HC124	76
77	Receptacle HC156	3#10	20 A	1					360 VA	800 VA	1	20 A	3#10	Terminal Units	78
79	Receptacle HC103A	3#10	20 A	1	1500	800 VA					1	20 A	3#10	Terminal Units	80
81	Spare		20 A	1			0 VA	800 VA			1	20 A	3#10	Terminal Units	82
83	Spare		20 A	1					0 VA	800 VA	1	20 A	3#10	Terminal Units	84
					Total Load:	16920 VA	19662 VA	16090 VA							
					Total Amps:	142 A	165 A	134 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	3680 VA	80.00%	2944 VA		
Power	1500 VA	100.00%	1500 VA	**Total Conn. Load:**	52672 VA
Receptacle	47492 VA	50.00%	23746 VA	**Total Est. Demand:**	28190 VA
				Total Conn.:	146 A
				Total Est. Demand:	78 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A1L5

Location: ELEC HC119 | **Device:** BOLT ON | **Mounting:** SURFACE
OC Type: CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:**
Voltage L-L: 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle HC123	3#12	20 A	1	900 VA	900 VA		1	20 A	3#10	Receptacle HC137	2
3	Receptacle HC126	3#12	20 A	1		720 VA	900 VA	1	20 A	3#10	Receptacle HC138	4
5	Receptacle HC125	3#12	20 A	1			540 VA	900 VA	1	20 A	3#10	Receptacle HC139	6
7	Receptacle HC129	3#12	20 A	1	900 VA	900 VA			1	20 A	3#10	Receptacle HC140	8
9	Receptacle HC130	3#12	20 A	1		900 VA	900 VA		1	20 A	3#10	Receptacle HC141	10
11	Receptacle HC131	3#12	20 A	1			720 VA	900 VA	1	20 A	3#10	Receptacle HC142	12
13	Receptacle HC160	3#12	20 A	1	540 VA	900 VA			1	20 A	3#10	Receptacle HC160	14
15	Receptacle NRS	3#10	20 A	1		360 VA	720 VA		1	20 A	3#10	Receptacle HC144	16
17	Receptacle NRS	3#10	20 A	1			360 VA	900 VA	1	20 A	3#10	Receptacle HC146	18
19	Receptacle NRS	3#10	20 A	1	360 VA	900 VA			1	20 A	3#10	Receptacle HC152	20
21	Receptacle NRS	3#10	20 A	1		360 VA	900 VA		1	20 A	3#10	Receptacle HC151	22
23	Receptacle NRS	3#10	20 A	1			360 VA	900 VA	1	20 A	3#10	Receptacle HC150	24
25	Receptacle NRS	3#10	20 A	1	360 VA	900 VA			1	20 A	3#10	Receptacle HC149	26
27	Receptacle NRS	3#10	20 A	1		360 VA	720 VA		1	20 A	3#10	Receptacle HC147	28
29	Receptacle NRS	3#10	20 A	1			360 VA	360 VA	1	20 A	3#10	Receptacle HC148	30
31	Receptacle HC136	3#10	20 A	1	540 VA	720 VA			1	20 A	3#10	Receptacle HC148	32
33	Receptacle NRS	3#10	20 A	1		360 VA	1200		1	20 A	3#10	Receptacle HC148	34
35	Receptacle HC135	3#10	20 A	1			900 VA	1500	1	20 A	3#10	Receptacle HC148	36
37	Receptacle HC134	3#10	20 A	1	900 VA	1200			1	20 A	3#10	Receptacle HC148	38
39	Receptacle HC133	3#10	20 A	1		900 VA	180 VA		1	20 A	3#10	Receptacle HC148	40
41	Receptacle HC160	3#10	20 A	1			720 VA	180 VA	1	20 A	3#10	Receptacle HC148	42
43	Icemaker HC160	3#10	20 A	1	1200	0 VA			1	20 A		Spare	44
45	Receptacle Exterior	3#10	20 A	1		720 VA	0 VA		1	20 A		Spare	46
47	Receptacle HC160	3#10	20 A	1			180 VA	0 VA	1	20 A		Spare	48
49	Receptacle HC126 Refrig	3#12	20 A	1	1200	0 VA			1	20 A		Spare	50
51	Receptacle HC122	3#12	20 A	1		180 VA	0 VA		1	20 A		Spare	52
53	Receptacle HC136	3#10	20 A	1			720 VA	0 VA	1	20 A		Spare	54
55	EDF	3#12	20 A	1	480 VA	0 VA			1	20 A		Spare	56
57	EF-A1	3#10	20 A	1		186 VA	0 VA		1	20 A		Spare	58
59	EF-A3	3#10	20 A	1			186 VA	0 VA	1	20 A		Spare	60
61	EF-A4	3#10	20 A	1	186 VA	0 VA			1	20 A		Spare	62
63	WH-3	2#10,1#10G	30 A	2		2592	0 VA		1	20 A		Spare	64
65	--	--	--	--			2592	0 VA	1	20 A		Spare	66
67	Emergency Stop HC132	3#12	20 A	1	250 VA	0 VA			1	20 A		Spare	68
69	Receptacle HC110	3#12	20 A	1		180 VA	0 VA		1	20 A		Spare	70
71	Space		--	--			0 VA	0 VA	1	20 A		Spare	72
73	Space		--	--	0 VA	0 VA			--	--		Space	74
75	Space		--	--		0 VA	0 VA		--	--		Space	76
77	Space		--	--			0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA			--	--		Space	80
81	Space		--	--		0 VA	0 VA		--	--		Space	82
83	Space		--	--			0 VA	0 VA	--	--		Space	84
					Total Load:	14236 VA	13338 VA	13278 VA					
					Total Amps:	119 A	111 A	111 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	559 VA	80.00%	447 VA		
Motor	480 VA	80.00%	384 VA	**Total Conn. Load:**	40853 VA
Power	5184 VA	100.00%	5184 VA	**Total Est. Demand:**	23455 VA
Receptacle	34380 VA	50.00%	17190 VA	**Total Conn.:**	113 A
Spare	250 VA	100.00%	250 VA	**Total Est. Demand:**	65 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: 1R1

Location: X-RAY HC132 | **Device:** BOLT-ON | **Mounting:** RECESSED
OC Type: CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:**
Voltage L-L: 240V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	Poles	Trip	Wire Size	Circuit Description	CKT
1	X-RAY		125 A	2	10000 VA	500 VA	1	20 A		Radiology EQ	2
3	--		--	--		10000	1	20 A		Radiology EQ	4
5	RADIOLOGY EQ.		15 A	2	700 VA	500 VA	1	20 A		Radiology EQ	6
7	--		--	--		700 VA	1	20 A		Radiology EQ	8
9	RADIOLOGY EQ.		20 A	1	700 VA	0 VA	--	--		Space	10
11	Spare		20 A	1		0 VA	--	--		Space	12
13	Spare		20 A	1	0 VA	0 VA	--	--		Space	14
15	Spare		20 A	1		0 VA	--	--		Space	16
17	Spare		20 A	1	0 VA	0 VA	--	--		Space	18
19	Spare		20 A	1		0 VA	--	--		Space	20
21	Spare		20 A	1	0 VA	0 VA	--	--		Space	22
23	Spare		20 A	1		0 VA	--	--		Space	24
25	Spare		20 A	1	0 VA	0 VA	--	--		Space	26
27	Spare		20 A	1		0 VA	--	--		Space	28
29	Spare		20 A	1	0 VA	0 VA	--	--		Space	30
				Total Load:	12400 VA	11700 VA					
				Total Amps:	103 A	98 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	24100 VA	100.00%	24100 VA		
				Total Conn. Load:	24100 VA
				Total Est. Demand:	24100 VA
				Total Conn.:	100 A
				Total Est. Demand:	100 A

Notes:
1. 200A MCB (SHUNT TRIP) LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIV MINIMUM.
3. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
4. SINGLE PHASE PANEL.

BUILDING "A" PANEL LEGEND

A1H2	A1L4
A1L5	1R1

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HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E012
379 of 458

3/9/2013 9:37:43 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: A2H1

Location: ELEC A226 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A2L1	SEE RISER	125 A	3	15280	792 VA					1	20 A	3#12	Lighting A209	2
3	--		--	--			14780	528 VA			1	20 A	3#12	Lighting A205	4
5	--		--	--					22660	1000	1	20 A	3#12	Lighting A214	6
7	T-A2L2	SEE RISER	125 A	3	18300	792 VA					1	20 A	3#12	Lighting A208	8
9	--		--	--			14280	792 VA			1	20 A	3#12	Lighting A202	10
11	--		--	--					17280	792 VA	1	20 A	3#12	Lighting A223	12
13	Spare		20 A	1	0 VA	792 VA					1	20 A	3#12	Lighting A225	14
15	Spare		20 A	1			0 VA	792 VA			1	20 A	3#12	Lighting A231	16
17	Spare		20 A	1					0 VA	792 VA	1	20 A	3#12	Lighting A230	18
19	Spare		20 A	1	0 VA	748 VA					1	20 A	3#12	Lighting A203	20
21	Spare		20 A	1			0 VA	399 VA			1	20 A	3#12	Lighting NL / EM	22
23	Spare		20 A	1					0 VA	883 VA	1	20 A	3#12	Lighting A200b	24
25	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA	0 VA					--	--		Space	32
33	Space		--	--			0 VA	0 VA			--	--		Space	34
35	Space		--	--					0 VA	0 VA	--	--		Space	36
37	Space		--	--	0 VA	0 VA					--	--		Space	38
39	Space		--	--			0 VA	0 VA			--	--		Space	40
41	Space		--	--					0 VA	0 VA	--	--		Space	42
43	FCU A2-1, 2, 3	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	44
45	FCU A2-4, 5, 6	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	46
47	FCU A2-7, 8, 9	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	48
49	FCU A2-10, 11, 12	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	50
51	FCU A2-13, 14, 15	3#12	20 A	1			445 VA	0 VA			1	20 A		Spare	52
53	FCU A2-16, 17	3#12	20 A	1					334 VA	0 VA	1	20 A		Spare	54
55	FCU A2-18, 19, 20	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	56
57	FCU A2-21, 22, 23	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	58
59	FCU- A2-24, 25, 26	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60
61	BVU-A2 Supply Fan	3#8,1#10G	40 A	3	5817	0 VA					1	20 A		Spare	62
63	--		--	--			5817	0 VA			1	20 A		Spare	64
65	--		--	--					5817	0 VA	1	20 A		Spare	66
67	BVU-A2 Exhaust Fan	3#12,1#12G	20 A	3	3050	0 VA					--	--		Space	68
69	--		--	--			3050	0 VA			--	--		Space	70
71	--		--	--					3050	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
			Total Load:		46822 VA		41717 VA		53442 VA						
			Total Amps:		172 A		151 A		196 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3698 VA	80.00%	2958 VA		
Lighting	9102 VA	85.00%	7737 VA	**Total Conn. Load:**	141981 VA
Motor	29081 VA	80.00%	23265 VA	**Total Est. Demand:**	85010 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	171 A
Power	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	102 A
Receptacle	98100 VA	50.00%	49050 VA		

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A2L1

Location: ELEC A226 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A205 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A204 NOTE 5	2
3	Receptacle A205 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A204 NOTE 5	4
5	Receptacle A205 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A204 NOTE 5	6
7	Receptacle A207 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A206 NOTE 5	8
9	Receptacle A207 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A206 NOTE 5	10
11	Receptacle A207 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#12	Receptacle A206 NOTE 5	12
13	Receptacle A209 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A208 NOTE 5	14
15	Receptacle A209 NOTE 5	3#10	20 A	1			900 VA	1080			1	20 A	3#12	Receptacle A208 NOTE 5	16
17	Receptacle A209 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#12	Receptacle A208 NOTE 5	18
19	Receptacle A211 NOTE 5	3#10	20 A	1	900 VA	1080					1	20 A	3#10	Receptacle A210 NOTE 5	20
21	Receptacle A211 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A210 NOTE 5	22
23	Receptacle A211 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A210 NOTE 5	24
25	Receptacle A213 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A212 NOTE 5	26
27	Receptacle A213 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A212 NOTE 5	28
29	Receptacle A213 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A212 NOTE 5	30
31	Receptacle A218 NOTE 5	3#10	20 A	1	1500	900 VA					1	20 A	3#10	Receptacle A214 NOTE 5	32
33	Receptacle A218 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A214 NOTE 5	34
35	Receptacle A218 NOTE 5	3#10	20 A	1					900 VA	1500	1	20 A	3#10	Receptacle A214 NOTE 5	36
37	Receptacle A200b	3#10	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A216 NOTE 5	38
39	Receptacle A217	3#10	20 A	1			360 VA	900 VA			1	20 A	3#10	Receptacle A216 NOTE 5	40
41	Receptacle A217	3#10	20 A	1					360 VA	1500	1	20 A	3#10	Receptacle A216 NOTE 5	42
43	Receptacle A202 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A202 NOTE 5	3#12	20 A	1			1500	0 VA			1	20 A		Spare	46
47	Receptacle A202 NOTE 5	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	48
49	Auto Door A200a	3#12	20 A	1	500 VA	0 VA					1	20 A		Spare	50
51	Auto Door A200b	3#12	20 A	1			500 VA	0 VA			1	20 A		Spare	52
53	Auto Door A203	3#12	20 A	1					500 VA	0 VA	1	20 A		Spare	54
55	Auto Door A213	3#10	20 A	1	500 VA	0 VA					1	20 A		Spare	56
57	Receptacle A222	3#12	20 A	1			540 VA	0 VA			1	20 A		Spare	58
59	BVU-A2 Wheel	3#10	25 A	1					2000	0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA	0 VA					1	20 A		Spare	62
63	Space		--	--			0 VA	0 VA			1	20 A		Spare	64
65	Space		--	--					0 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
			Total Load:		15280 VA		14780 VA		22660 VA						
			Total Amps:		128 A		123 A		189 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	2000 VA	80.00%	1600 VA		
Other	0 VA	0.00%	0 VA	**Total Conn. Load:**	52720 VA
Power	2000 VA	100.00%	2000 VA	**Total Est. Demand:**	27960 VA
Receptacle	48720 VA	50.00%	24360 VA	**Total Conn.:**	146 A
				Total Est. Demand:	78 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A2L2

Location: ELEC A226 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A233 NOTE 5	3#12	20 A	1	900 VA	1500					1	20 A	3#12	Receptacle A218	2
3	Receptacle A233 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A234 NOTE 5	4
5	Receptacle A233 NOTE 5	3#12	20 A	1					1500	900 VA	1	20 A	3#12	Receptacle A234 NOTE 5	6
7	Receptacle A231 NOTE 5	3#12	20 A	1	900 VA	1500					1	20 A	3#12	Receptacle A234 NOTE 5	8
9	Receptacle A231 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A232 NOTE 5	10
11	Receptacle A231 NOTE 5	3#12	20 A	1					1500	900 VA	1	20 A	3#12	Receptacle A232 NOTE 5	12
13	Receptacle A229 NOTE 5	3#12	20 A	1	1080	1500					1	20 A	3#12	Receptacle A232 NOTE 5	14
15	Receptacle A229 NOTE 5	3#12	20 A	1			1500	900 VA			1	20 A	3#12	Receptacle A230 NOTE 5	16
17	Receptacle A229 NOTE 5	3#12	20 A	1					900 VA	900 VA	1	20 A	3#12	Receptacle A230 NOTE 5	18
19	Receptacle A227 NOTE 5	3#12	20 A	1	900 VA	1500					1	20 A	3#12	Receptacle A230 NOTE 5	20
21	Receptacle A227 NOTE 5	3#12	20 A	1			1500	900 VA			1	20 A	3#12	Receptacle A200d	22
23	Receptacle A227 NOTE 5	3#12	20 A	1					900 VA	900 VA	1	20 A	3#12	Receptacle A226	24
25	Receptacle A225 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A224	26
27	Receptacle A225 NOTE 5	3#12	20 A	1			900 VA	480 VA			1	20 A	3#12	EDF	28
29	Receptacle A225 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A224	30
31	Receptacle A223 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A224	32
33	Receptacle A223 NOTE 5	3#12	20 A	1			900 VA	360 VA			1	20 A	3#12	Receptacle A224	34
35	Receptacle A223 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A224	36
37	Receptacle A221 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	38
39	Receptacle A221 NOTE 5	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	40
41	Receptacle A221 NOTE 5	3#12	20 A	1					1500	0 VA	1	20 A		Spare	42
43	Receptacle A219 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A219 NOTE 5	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	46
47	Receptacle A203 NOTE 5	3#12	20 A	1					720 VA	0 VA	1	20 A		Spare	48
49	Refrigerator A203	3#12	20 A	1	1440	0 VA					1	20 A		Spare	50
51	Receptacle A203	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	52
53	Oven A203	2#12,1#12G	20 A	2					1500	0 VA	1	20 A		Spare	54
55	--		--	--	1500	0 VA					1	20 A		Spare	56
57	SHUNT-TRIP OVEN		--	--			0 VA	0 VA			1	20 A		Spare	58
59	Receptacle A203 NOTE 5	3#12	20 A	1					540 VA	0 VA	1	20 A		Spare	60
61	Receptacle A203 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Spare	62
63	Microwave A203	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Microwave A203	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	66
67	Microwave A203	3#12	20 A	1	900 VA	0 VA					--	--		Space	68
69	Receptacle A203 NOTE 5	3#12	20 A	1			360 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
			Total Load:		18300 VA		14280 VA		17280 VA						
			Total Amps:		156 A		119 A		148 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	49380 VA	50.00%	24690 VA	**Total Conn. Load:**	49860 VA
				Total Est. Demand:	25074 VA
				Total Conn.:	138 A
				Total Est. Demand:	70 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. PROVIDE SHUNT-TRIP BREAKER. CONNECT TO FIRE ALARM SYSTEM.

7. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A2H1 | A2L1 | A2L2

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E013

380 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:37:55 AM

Branch Panel: A2H2

Location: ELEC A244 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A2L4		125 A	3	15440 792 VA			1	20 A	3#12	Lighting A237	2
3	--		--	--		17040 792 VA		1	20 A	3#12	Lighting A243	4
5	--		--	--			23100 528 VA	1	20 A	3#12	Lighting A251	6
7	T-A2L5		125 A	3	15500 792 VA			1	20 A	3#12	Lighting A240	8
9	--		--	--		13386 792 VA		1	20 A	3#12	Lighting A253	10
11	--		--	--			23000 792 VA	1	20 A	3#12	Lighting A259	12
13	Spare		20 A	1	0 VA 810 VA			1	20 A	3#12	Lighting A265	14
15	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Lighting A260	16
17	Spare		20 A	1			0 VA 1000	1	20 A	3#12	Lighting A266	18
19	Spare		20 A	1	0 VA 748 VA			1	20 A	3#12	Lighting A254a	20
21	Spare		20 A	1		0 VA 239 VA		1	20 A	3#12	Lighting NL / EM	22
23	Spare		20 A	1			0 VA 627 VA	1	20 A	3#12	Lighting A200c	24
25	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	26
27	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	28
29	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA 0 VA			--	--		Space	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	FCU A2-27, 28, 29	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU A2-30, 31, 32	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU A2-33, 34, 35	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU A2-36, 37	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	50
51	FCU A2-38, 39, 40	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU A2-41, 42, 43	3#12	20 A	1			445 VA 0 VA	1	20 A		Spare	54
55	FCU A2-44, 45, 46	3#12	20 A	1	445 VA 0 VA			1	20 A		Spare	56
57	FCU A2-47, 48, 49	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU 50, 51, 52	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU A2-53, 54, 55	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	62
63	FCU 56, 57, 58	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	64
65							0 VA	1	20 A		Spare	66
67	BVU-A1 Supply Fan	3#8,1#10G	40 A	3	5817 0 VA			--	--		Space	68
69	--		--	--		5817 0 VA		--	--		Space	70
71	--		--	--			5817 0 VA	--	--		Space	72
73	BVU-A1 Exhaust Fan	3#12,1#12G	20 A	3	3050 0 VA			--	--		Space	74
75	--		--	--		3050 0 VA		--	--		Space	76
77	--		--	--			3050 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		44506 VA	43577 VA	59193 VA					
			Total Amps:		161 A	157 A	214 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4690 VA	80.00%	3752 VA		
Lighting	8704 VA	85.00%	7399 VA	**Total Conn. Load:**	147276 VA
Motor	29081 VA	80.00%	23265 VA	**Total Est. Demand:**	87316 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	177 A
Power	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	105 A
Receptacle	103800 VA	50.00%	51900 VA		

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 18K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A2L4

Location: ELEC A244 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A251 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A265 NOTE 5	2
3	Receptacle A251 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#10	Receptacle A265 NOTE 5	4
5	Receptacle A251 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle A265 NOTE 5	6
7	Receptacle A253 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A267 NOTE 5	8
9	Receptacle A253 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A267 NOTE 5	10
11	Receptacle A253 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A267 NOTE 5	12
13	Receptacle A255 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A269 NOTE 5	14
15	Receptacle A255 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A269 NOTE 5	16
17	Receptacle A255 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A269 NOTE 5	18
19	Receptacle A257 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A260 NOTE 5	20
21	Receptacle A257 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A260 NOTE 5	22
23	Receptacle A257 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A260 NOTE 5	24
25	Receptacle A259 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A262 NOTE 5	26
27	Receptacle A259 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A262 NOTE 5	28
29	Receptacle A259 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A262 NOTE 5	30
31	Receptacle A261 NOTE 5	3#12	20 A	1	900 VA 500 VA			1	20 A	3#12	Auto Door A254	32
33	Receptacle A261 NOTE 5	3#12	20 A	1		900 VA 480 VA		1	20 A	3#12	EDF	34
35	Receptacle A261 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	36
37	Receptacle A263 NOTE 5	3#10	20 A	1	1080 0 VA			1	20 A		Spare	38
39	Receptacle A263 NOTE 5	3#10	20 A	1		1500 0 VA		1	20 A		Spare	40
41	Receptacle A263 NOTE 5	3#10	20 A	1			900 VA 0 VA	1	20 A		Spare	42
43	Receptacle A264 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A264 NOTE 5	3#10	20 A	1		1500 0 VA		1	20 A		Spare	46
47	Receptacle A264 NOTE 5	3#10	20 A	1			900 VA 0 VA	1	20 A		Spare	48
49	Receptacle A266 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle A266 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	52
53	Receptacle A266 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	54
55	Receptacle A268 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Receptacle A268 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	58
59	Receptacle A268 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	60
61	Receptacle A270 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Receptacle A270 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A270 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	66
67	Receptacle A273	3#10	20 A	1	360 VA 0 VA			1	--	--	Space	68
69	Receptacle A273	3#10	20 A	1		360 VA 0 VA		--	--	--	Space	70
71	Receptacle A200e	3#10	20 A	1			900 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15440 VA	17040 VA	23100 VA					
			Total Amps:		129 A	144 A	195 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Power	500 VA	100.00%	500 VA	**Total Conn. Load:**	55580 VA
Receptacle	54600 VA	50.00%	27300 VA	**Total Est. Demand:**	28184 VA
				Total Conn.:	154 A
				Total Est. Demand:	78 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A2L5

Location: ELEC A244 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A249 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A235 NOTE 5	2
3	Receptacle A249 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A235 NOTE 5	4
5	Receptacle A249 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A235 NOTE 5	6
7	Receptacle A247 NOTE 5	3#12	20 A	1	1080 900 VA			1	20 A	3#12	Receptacle A240 NOTE 5	8
9	Receptacle A247 NOTE 5	3#12	20 A	1		720 VA 900 VA		1	20 A	3#12	Receptacle A240 NOTE 5	10
11	Receptacle A247 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A240 NOTE 5	12
13	Receptacle A245 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A238 NOTE 5	14
15	Receptacle A245 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A238 NOTE 5	16
17	Receptacle A245 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A238 NOTE 5	18
19	Receptacle A243 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A236 NOTE 5	20
21	Receptacle A243 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A236 NOTE 5	22
23	Receptacle A243 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A236 NOTE 5	24
25	Receptacle A241 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A200e	26
27	Receptacle A241 NOTE 5	3#12	20 A	1		1500 540 VA		1	20 A	3#12	Receptacle A244	28
29	Receptacle A241 NOTE 5	3#12	20 A	1			900 VA 540 VA	1	20 A	3#12	Receptacle MECH A252	30
31	Receptacle A239 NOTE 5	3#12	20 A	1	720 VA 360 VA			1	20 A	3#12	Receptacle A246	32
33	Receptacle A239 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle A246	34
35	Receptacle A239 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A246	36
37	Receptacle A237 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A246	38
39	Receptacle A237 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle A246	40
41	Receptacle A237 NOTE 5	3#12	20 A	1			1500 2000	1	25 A	3#10	BVU-A1 Wheel	42
43	Receptacle A254 NOTE 5	3#12	20 A	1	720 VA 0 VA			1	20 A		Spare	44
45	Receptacle A254 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	46
47	Refrigerator A254	3#12	20 A	1			1440 0 VA	1	20 A		Spare	48
49	Receptacle A254 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle A254 NOTE 5	3#12	20 A	1		180 VA 0 VA		1	20 A		Spare	52
53	Oven A254a	2#12,1#12G	20 A	2			1500 0 VA	1	20 A		Spare	54
55	--		--	--	1500 0 VA			1	20 A		Spare	56
57	SHUNT TRIP OVEN		--	--		0 VA 0 VA		1	20 A		Spare	58
59	Microwave A254	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	60
61	Microwave A254	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave A254	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A254 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Auto Door A239	3#12	20 A	1	500 VA 0 VA			--	--		Space	68
69	HVAC MECH A252		20 A	1		186 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15500 VA	13386 VA	23000 VA					
			Total Amps:		132 A	112 A	194 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	186 VA	80.00%	149 VA		
Motor	2000 VA	80.00%	1600 VA	**Total Conn. Load:**	51886 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	26849 VA
Power	500 VA	100.00%	500 VA	**Total Conn.:**	144 A
Receptacle	49200 VA	50.00%	24600 VA	**Total Est. Demand:**	75 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A2H2 | A2L4 | A2L5

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E014

381 of 458

3/9/2013 9:38:06 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: A3H1

Location: ELEC A324 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A3L1	SEE RISER	125 A	3	15480 792 VA			1	20 A	3#12	Lighting A309	2
3	--		--	--		14940 528 VA		1	20 A	3#12	Lighting A305	4
5	--		--	--			23040 528 VA	1	20 A	3#12	Lighting A301	6
7	T-A3L2	SEE RISER	125 A	3	15180 1000			1	20 A	3#12	Lighting A314	8
9	--		--	--		15540 792 VA		1	20 A	3#12	Lighting A308	10
11	--		--	--			19320 792 VA	1	20 A	3#12	Lighting A302	12
13	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Lighting A323	14
15	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Lighting A325	16
17	Spare		20 A	1			0 VA 792 VA	1	20 A	3#12	Lighting A331	18
19	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Lighting A330	20
21	Spare		20 A	1		0 VA 529 VA		1	20 A	3#12	Lighting A322	22
23	Spare		20 A	1			0 VA 399 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA 675 VA			1	20 A	3#12	Lighting A300c	26
27	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	28
29	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA 0 VA			1	20 A		Spare	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	FCU A3-1, 2, 3	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU A3-4, 5, 6	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU A3-7, 8, 9	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU A3-10, 11, 12	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU A3-13, 14, 15	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU A3-16, 17	3#12	20 A	1			306 VA 0 VA	1	20 A		Spare	54
55	FCU A3-18, 19	3#12	20 A	1	334 VA 0 VA			1	20 A		Spare	56
57	FCU A3-20, 21, 22	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU A3-23, 24, 25	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU A3-26, 27, 28	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	62
63	FCU 29, 30, 31	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	64
65	HVAC	3#12	20 A	1			140 VA 0 VA	1	20 A		Spare	66
67	HVAC	3#12	20 A	1	140 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		36436 VA	34789 VA	46151 VA					
			Total Amps:		132 A	126 A	168 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4673 VA	80.00%	3738 VA		
Lighting	9203 VA	85.00%	7823 VA	**Total Conn. Load:**	117376 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	63455 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	141 A
Receptacle	103020 VA	50.00%	51510 VA	**Total Est. Demand:**	76 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A3L1

Location: ELEC A324 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A301 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A304 NOTE 5	2
3	Receptacle A301 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A304 NOTE 5	4
5	Receptacle A301 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A304 NOTE 5	6
7	Receptacle A303 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A306 NOTE 5	8
9	Receptacle A303 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A306 NOTE 5	10
11	Receptacle A303 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A306 NOTE 5	12
13	Receptacle A305 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A308 NOTE 5	14
15	Receptacle A305 NOTE 5	3#12	20 A	1		900 VA 1080		1	20 A	3#12	Receptacle A308 NOTE 5	16
17	Receptacle A305 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A308 NOTE 5	18
19	Receptacle A307 NOTE 5	3#10	20 A	1	900 VA 1080			1	20 A	3#10	Receptacle A310 NOTE 5	20
21	Receptacle A307 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A310 NOTE 5	22
23	Receptacle A307 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A310 NOTE 5	24
25	Receptacle A309 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A312 NOTE 5	26
27	Receptacle A309 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A312 NOTE 5	28
29	Receptacle A309 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A312 NOTE 5	30
31	Receptacle A311 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A314 NOTE 5	32
33	Receptacle A311 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A314 NOTE 5	34
35	Receptacle A311 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A314 NOTE 5	36
37	Receptacle A313 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A316 NOTE 5	38
39	Receptacle A313 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A316 NOTE 5	40
41	Receptacle A313 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A316 NOTE 5	42
43	Receptacle A318 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A318 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle A318 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle A300b	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle A317 NOTE 5	3#10	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle A317 NOTE 5	3#10	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle A302 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Receptacle A302 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	58
59	Receptacle A302 NOTE 5	3#12	20 A	1			180 VA 0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA 0 VA			1	20 A		Spare	62
63	Space		--	--		0 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15480 VA	14940 VA	23040 VA					
			Total Amps:		130 A	125 A	193 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	53460 VA	50.00%	26730 VA		
				Total Conn. Load:	53460 VA
				Total Est. Demand:	26730 VA
				Total Conn.:	148 A
				Total Est. Demand:	74 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A3L2

Location: ELEC A324 | **Device:** BOTL ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A333 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A319 NOTE 5	2
3	Receptacle A333 NOTE 5	3#12	20 A	1		1500 900 VA		1	20 A	3#12	Receptacle A319 NOTE 5	4
5	Receptacle A333 NOTE 5	3#12	20 A	1			900 VA 1500	1	20 A	3#12	Receptacle A319 NOTE 5	6
7	Receptacle A331 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A334 NOTE 5	8
9	Receptacle A331 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A334 NOTE 5	10
11	Receptacle A331 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A334 NOTE 5	12
13	Receptacle A329 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A332 NOTE 5	14
15	Receptacle A329 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A332 NOTE 5	16
17	Receptacle A329 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A332 NOTE 5	18
19	Receptacle A327 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A330 NOTE 5	20
21	Receptacle A327 NOTE 5	3#12	20 A	1		1080 900 VA		1	20 A	3#12	Receptacle A330 NOTE 5	22
23	Receptacle A327 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A330 NOTE 5	24
25	Receptacle A325 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A300	26
27	Receptacle A325 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A324	28
29	Receptacle A325 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A326	30
31	Receptacle A323 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A326	32
33	Receptacle A323 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle A326	34
35	Receptacle A323 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A326	36
37	Receptacle A321 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A326	38
39	Receptacle A321 NOTE 5	3#12	20 A	1		900 VA 480 VA		1	20 A	3#12	EDF	40
41	Receptacle A321 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle A322 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A322 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	46
47	Refrigerator A322	3#12	20 A	1			1440 0 VA	1	20 A		Spare	48
49	Receptacle A322 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle A322 NOTE 5	3#12	20 A	1		180 VA 0 VA		1	20 A		Spare	52
53	Microwave A322	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	54
55	Oven A322	2#12,1#12G	20 A	2	1500 0 VA			1	20 A		Spare	56
57	--		--	--		1500 0 VA		1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	60
61	Microwave A322	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave A322	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A322 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15180 VA	15540 VA	19320 VA					
			Total Amps:		127 A	130 A	161 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	49560 VA	50.00%	24780 VA	**Total Conn. Load:**	50040 VA
				Total Est. Demand:	25164 VA
				Total Conn.:	139 A
				Total Est. Demand:	70 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A3H1 | A3L1 | A3L2

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E015
382 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:38:17 AM

Branch Panel: A3H2

Location: ELEC A346 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A3L4	SEE RISER	125 A	3	16740	792 VA					1	20 A	3#12	Lighting A337	2
3	--		--	--			16560	792 VA			1	20 A	3#12	Lighting A343	4
5	--		--	--					27900	528 VA	1	20 A	3#12	Lighting A351	6
7	T-A3L5	SEE RISER	125 A	3	15180	792 VA					1	20 A	3#12	Lighting A340	8
9	--		--	--			12600	792 VA			1	20 A	3#12	Lighting A353	10
11	--		--	--					21540	792 VA	1	20 A	3#12	Lighting A359	12
13	Spare		20 A	1	0 VA	810 VA					1	20 A	3#12	Lighting A365	14
15	Spare		20 A	1			0 VA	528 VA			1	20 A	3#12	Lighting A356	16
17	Spare		20 A	1					0 VA	792 VA	1	20 A	3#12	Lighting A360	18
19	Spare		20 A	1	0 VA	1000					1	20 A	3#12	Lighting A366	20
21	Spare		20 A	1			0 VA	529 VA			1	20 A	3#12	Lighting A352	22
23	Spare		20 A	1					0 VA	239 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA	627 VA					1	20 A	3#12	Lighting A300c	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA	0 VA					1	20 A		Spare	32
33	Space		--	--			0 VA	0 VA			--	--		Space	34
35	Space		--	--					0 VA	0 VA	--	--		Space	36
37	Space		--	--	0 VA	0 VA					--	--		Space	38
39	Space		--	--			0 VA	0 VA			--	--		Space	40
41	Space		--	--					0 VA	0 VA	--	--		Space	42
43	FCU A3-32, 33, 34	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	44
45	FCU A3-35, 36, 37	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	46
47	FCU A3-38, 39	3#12	20 A	1					278 VA	0 VA	1	20 A		Spare	48
49	FCU A3-40, 41	3#12	20 A	1	278 VA	0 VA					1	20 A		Spare	50
51	FCU A3-42, 43, 44	3#12	20 A	1			445 VA	0 VA			1	20 A		Spare	52
53	FCU A3-45, 46, 47	3#12	20 A	1					445 VA	0 VA	1	20 A		Spare	54
55	FCU A3-48, 49, 50	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	56
57	FCU A3-51, 52, 53	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	58
59	FCU A3-54, 55, 56	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60
61	FCU A3-57, 58, 59	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	62
63	FCU A3-60, 61- 62	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	64
65	HVAC		20 A	1					140 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	37470 VA		33497 VA		53071 VA						
				Total Amps:	137 A		121 A		194 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4505 VA	80.00%	3604 VA		
Lighting	9013 VA	85.00%	7661 VA	**Total Conn. Load:**	124038 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	66669 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	149 A
Receptacle	110040 VA	50.00%	55020 VA	**Total Est. Demand:**	80 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 18K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A3L4

Location: ELEC A346 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A351 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A365 NOTE 5	2
3	Receptacle A351 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A365 NOTE 5	4
5	Receptacle A351 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A365 NOTE 5	6
7	Receptacle A353 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A367 NOTE 5	8
9	Receptacle A353 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A367 NOTE 5	10
11	Receptacle A353 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A367 NOTE 5	12
13	Receptacle A355 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A369 NOTE 5	14
15	Receptacle A355 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A369 NOTE 5	16
17	Receptacle A355 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A369 NOTE 5	18
19	Receptacle A357 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A356 NOTE 5	20
21	Receptacle A357 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A356 NOTE 5	22
23	Receptacle A357 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A356 NOTE 5	24
25	Receptacle A359 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A358 NOTE 5	26
27	Receptacle A359 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A358 NOTE 5	28
29	Receptacle A359 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A358 NOTE 5	30
31	Receptacle A361 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A360 NOTE 5	32
33	Receptacle A361 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A360 NOTE 5	34
35	Receptacle A361 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A360 NOTE 5	36
37	Receptacle A363 NOTE 5	3#10	20 A	1	1080	900 VA					1	20 A	3#10	Receptacle A362 NOTE 5	38
39	Receptacle A363 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A362 NOTE 5	40
41	Receptacle A363 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A362 NOTE 5	42
43	Receptacle A364 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A364 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	46
47	Receptacle A364 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	48
49	Receptacle A366 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	50
51	Receptacle A366 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	52
53	Receptacle A366 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	54
55	Receptacle A368 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	56
57	Receptacle A368 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	58
59	Receptacle A368 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	60
61	Receptacle A370 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	62
63	Receptacle A370 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Receptacle A370 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	66
67	Receptacle A373 NOTE 5	3#10	20 A	1	360 VA	0 VA					--	--		Space	68
69	Receptacle A373 NOTE 5	3#10	20 A	1			360 VA	0 VA			--	--		Space	70
71	Receptacle A300e NOTE 5	3#10	20 A	1					900 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	16740 VA		16560 VA		27900 VA						
				Total Amps:	140 A		138 A		233 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	61200 VA	50.00%	30600 VA		
				Total Conn. Load:	61200 VA
				Total Est. Demand:	30600 VA
				Total Conn.:	170 A
				Total Est. Demand:	85 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A3L5

Location: ELEC A346 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A349 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A335 NOTE 5	2
3	Receptacle A349 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A335 NOTE 5	4
5	Receptacle A349 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A335 NOTE 5	6
7	Receptacle A347 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A340 NOTE 5	8
9	Receptacle A347 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A340 NOTE 5	10
11	Receptacle A347 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A340 NOTE 5	12
13	Receptacle A345 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A338 NOTE 5	14
15	Receptacle A345 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A338 NOTE 5	16
17	Receptacle A345 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A338 NOTE 5	18
19	Receptacle A343 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A336 NOTE 5	20
21	Receptacle A343 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A336 NOTE 5	22
23	Receptacle A343 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A336 NOTE 5	24
25	Receptacle A341 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A300	26
27	Receptacle A341 NOTE 5	3#12	20 A	1			900 VA	540 VA			1	20 A	3#12	Receptacle A300	28
29	Receptacle A341 NOTE 5	3#12	20 A	1					1500	480 VA	1	20 A	3#12	EDF	30
31	Receptacle A339 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A344	32
33	Receptacle A339 NOTE 5	3#12	20 A	1			720 VA	360 VA			1	20 A	3#12	Receptacle A344	34
35	Receptacle A339 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A344	36
37	Receptacle A337 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A344	38
39	Receptacle A337 NOTE 5	3#12	20 A	1			900 VA	360 VA			1	20 A	3#12	Receptacle A344	40
41	Receptacle A337 NOTE 5	3#12	20 A	1					1500	0 VA	1	20 A		Spare	42
43	Receptacle A352 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A352 NOTE 5	3#12	20 A	1			540 VA	0 VA			1	20 A		Spare	46
47	Refrigerator A352	3#12	20 A	1					1440	0 VA	1	20 A		Spare	48
49	Receptacle A352 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Spare	50
51	Receptacle A352 NOTE 5	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	52
53	Oven A352	2#12,1#12G	20 A	2					1500	0 VA	1	20 A		Spare	54
55	--		--	--	1500	0 VA					1	20 A		Spare	56
57	SHUNT TRIP OVEN		--	--			0 VA	0 VA			1	20 A		Spare	58
59	Microwave A352	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	60
61	Microwave A352	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	62
63	Microwave A352	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Receptacle A352 NOTE 5	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	15180 VA		12600 VA		21540 VA						
				Total Amps:	130 A		105 A		183 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	48840 VA	50.00%	24420 VA	**Total Conn. Load:**	49320 VA
				Total Est. Demand:	24804 VA
				Total Conn.:	137 A
				Total Est. Demand:	69 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A3H2 | A3L4 | A3L5

CLA
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E016
383 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:38:29 AM

Branch Panel: A4H1

Location: ELEC A424 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A4L1	SEE RISER	125 A	3	15480	792 VA					1	20 A	3#12	Lighting A409	2
3	--		--	--			14220	528 VA			1	20 A	3#12	Lighting A405	4
5	--		--	--					23760	528 VA	1	20 A	3#12	Lighting A401	6
7	T-A4L2	SEE RISER	125 A	3	15180	1000					1	20 A	3#12	Lighting A414	8
9	--		--	--			14760	792 VA			1	20 A	3#12	Lighting A408	10
11	--		--	--					19920	792 VA	1	20 A	3#12	Lighting A402	12
13	Spare		20 A	1	0 VA	792 VA					1	20 A	3#12	Lighting A423	14
15	Spare		20 A	1			0 VA	792 VA			1	20 A	3#12	Lighting A425	16
17	Spare		20 A	1					0 VA	792 VA	1	20 A	3#12	Lighting A431	18
19	Spare		20 A	1	0 VA	792 VA					1	20 A	3#12	Lighting A430	20
21	Spare		20 A	1			0 VA	529 VA			1	20 A	3#12	Lighting A422	22
23	Spare		20 A	1					0 VA	399 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA	675 VA					1	20 A	3#12	Lighting A400C	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA	0 VA					1	20 A		Spare	32
33	Space		--	--			0 VA	0 VA			--	--		Space	34
35	Space		--	--					0 VA	0 VA	--	--		Space	36
37	Space		--	--	0 VA	0 VA					--	--		Space	38
39	Space		--	--			0 VA	0 VA			--	--		Space	40
41	Space		--	--					0 VA	0 VA	--	--		Space	42
43	FCU A4-1, 2, 3	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	44
45	FCU A4-4, 5, 6	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	46
47	FCU A4-7, 8, 9	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	48
49	FCU A4-10, 11, 12	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	50
51	FCU A4-13, 14, 15	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	52
53	FCU A4-16, 17	3#12	20 A	1					306 VA	0 VA	1	20 A		Spare	54
55	FCU A4-18, 19	3#12	20 A	1	334 VA	0 VA					1	20 A		Spare	56
57	FCU A4-20, 21, 22	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	58
59	FCU A4-23, 24, 25	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60
61	FCU A4-26, 27, 28	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	62
63	FCU A4-29, 30, 31	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	64
65	Space		--	--					0 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
					Total Load:	36296 VA		33289 VA		47331 VA					
					Total Amps:	133 A		120 A		173 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4393 VA	80.00%	3514 VA		
Lighting	9203 VA	85.00%	7823 VA	**Total Conn. Load:**	116916 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	63141 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	141 A
Receptacle	102840 VA	50.00%	51420 VA	**Total Est. Demand:**	76 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A4L1

Location: ELEC A424 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A401 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A404 NOTE 5	2
3	Receptacle A401 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A404 NOTE 5	4
5	Receptacle A401 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A404 NOTE 5	6
7	Receptacle A403 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A406 NOTE 5	8
9	Receptacle A403 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A406 NOTE 5	10
11	Receptacle A403 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A406 NOTE 5	12
13	Receptacle A405 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A408 NOTE 5	14
15	Receptacle A405 NOTE 5	3#12	20 A	1			900 VA	1080			1	20 A	3#12	Receptacle A408 NOTE 5	16
17	Receptacle A405 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A408 NOTE 5	18
19	Receptacle A407 NOTE 5	3#10	20 A	1	900 VA	1080					1	20 A	3#10	Receptacle A410 NOTE 5	20
21	Receptacle A407 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A410 NOTE 5	22
23	Receptacle A407 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A410 NOTE 5	24
25	Receptacle A409 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A412 NOTE 5	26
27	Receptacle A409 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A412 NOTE 5	28
29	Receptacle A409 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A412 NOTE 5	30
31	Receptacle A411 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A414 NOTE 5	32
33	Receptacle A411 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A414 NOTE 5	34
35	Receptacle A411 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A414 NOTE 5	36
37	Receptacle A413 NOTE 5	3#10	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A416 NOTE 5	38
39	Receptacle A413 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A416 NOTE 5	40
41	Receptacle A413 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A416 NOTE 5	42
43	Receptacle A418 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A418 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	46
47	Receptacle A418 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	48
49	Receptacle A400	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	50
51	Receptacle A417 NOTE 5	3#10	20 A	1			360 VA	0 VA			1	20 A		Spare	52
53	Receptacle A417 NOTE 5	3#10	20 A	1					360 VA	0 VA	1	20 A		Spare	54
55	Receptacle A402 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	56
57	Receptacle A402 NOTE 5	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	58
59	Receptacle A402 NOTE 5	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA	0 VA					--	--		Space	62
63	Space		--	--			0 VA	0 VA			--	--		Space	64
65	Space		--	--					0 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
					Total Load:	15480 VA		14220 VA		23760 VA					
					Total Amps:	131 A		119 A		200 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	53460 VA	50.00%	26730 VA		
				Total Conn. Load:	53460 VA
				Total Est. Demand:	26730 VA
				Total Conn.:	148 A
				Total Est. Demand:	74 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL. .
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A4L2

Location: ELEC A424 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A433 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A419 NOTE 5	2
3	Receptacle A433 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A419 NOTE 5	4
5	Receptacle A433 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A419 NOTE 5	6
7	Receptacle A431 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A434 NOTE 5	8
9	Receptacle A431 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A434 NOTE 5	10
11	Receptacle A431 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A434 NOTE 5	12
13	Receptacle A429 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A432 NOTE 5	14
15	Receptacle A429 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A432 NOTE 5	16
17	Receptacle A429 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A432 NOTE 5	18
19	Receptacle A427 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A430 NOTE 5	20
21	Receptacle A427 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A430 NOTE 5	22
23	Receptacle A427 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A430 NOTE 5	24
25	Receptacle A425 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A400	26
27	Receptacle A425 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A424	28
29	Receptacle A425 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A426	30
31	Receptacle A423 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A426	32
33	Receptacle A423 NOTE 5	3#12	20 A	1			900 VA	360 VA			1	20 A	3#12	Receptacle A426	34
35	Receptacle A423 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A426	36
37	Receptacle A421 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A426	38
39	Receptacle A421 NOTE 5	3#12	20 A	1			900 VA	480 VA			1	20 A	3#12	EDF	40
41	Receptacle A421 NOTE 5	3#12	20 A	1					1500	0 VA	1	20 A		Spare	42
43	Receptacle A422 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A422 NOTE 5	3#12	20 A	1			540 VA	0 VA			1	20 A		Spare	46
47	Refrigerator A422	3#12	20 A	1					1440	0 VA	1	20 A		Spare	48
49	Receptacle A422 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Spare	50
51	Receptacle A422 NOTE 5	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	52
53	Microwave A422	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	54
55	Oven A422	2#12,1#12G	20 A	2	1500	0 VA					1	20 A		Spare	56
57	--		--	--			1500	0 VA			1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--					0 VA	0 VA	1	20 A		Spare	60
61	Microwave A422	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	62
63	Microwave A422	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Receptacle A422 NOTE 5	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
					Total Load:	15180 VA		14760 VA		19920 VA					
					Total Amps:	127 A		123 A		167 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	49380 VA	50.00%	24690 VA	**Total Conn. Load:**	49860 VA
				Total Est. Demand:	25074 VA
				Total Conn.:	138 A
				Total Est. Demand:	70 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A4H1 | A4L1 | A4L2

3/9/2013 9:38:40 AM

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E017
384 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: A4H2

Location: ELEC A446 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A4L4	SEE RISER	125 A	3	16740	792 VA					1	20 A	3#12	Lighting A437	2
3	--		--	--			16560	792 VA			1	20 A	3#12	Lighting A443	4
5	--		--	--					27900	528 VA	1	20 A	3#12	Lighting A451	6
7	T-A4L5	SEE RISER	125 A	3	15180	792 VA					1	20 A	3#12	Lighting A440	8
9	--		--	--			12600	792 VA			1	20 A	3#12	Lighting A453	10
11	--		--	--					21540	792 VA	1	20 A	3#12	Lighting A459	12
13	Spare		20 A	1	0 VA	810 VA					1	20 A	3#12	Lighting A465	14
15	Spare		20 A	1			0 VA	528 VA			1	20 A	3#12	Lighting A456	16
17	Spare		20 A	1					0 VA	792 VA	1	20 A	3#12	Lighting A460	18
19	Spare		20 A	1	0 VA	1000					1	20 A	3#12	Lighting A466	20
21	Spare		20 A	1			0 VA	529 VA			1	20 A	3#12	Lighting A452	22
23	Spare		20 A	1					0 VA	239 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA	627 VA					1	20 A	3#12	Lighting A400c	26
27	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	28
29	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA	0 VA					1	20 A		Spare	32
33	Space		--	--			0 VA	0 VA			--	--		Space	34
35	Space		--	--					0 VA	0 VA	--	--		Space	36
37	Space		--	--	0 VA	0 VA					--	--		Space	38
39	Space		--	--			0 VA	0 VA			--	--		Space	40
41	Space		--	--					0 VA	0 VA	--	--		Space	42
43	FCU A4-32, 33, 34	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	44
45	FCU A4-35, 36, 37	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	46
47	FCU A4-38, 39	3#12	20 A	1					278 VA	0 VA	1	20 A		Spare	48
49	FCU A4-40, 41	3#12	20 A	1	278 VA	0 VA					1	20 A		Spare	50
51	FCU A4-42, 43, 44	3#12	20 A	1			445 VA	0 VA			1	20 A		Spare	52
53	FCU A4-45, 46, 47	3#12	20 A	1					445 VA	0 VA	1	20 A		Spare	54
55	FCU A4-48, 49, 50	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	56
57	FCU A4-51, 52, 53	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	58
59	FCU A4-54, 55, 56	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60
61	FCU A4-57, 58, 59	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	62
63	FCU A4-60, 61- 62	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	64
65	Space		--	--					0 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	37470 VA		33497 VA		52931 VA						
				Total Amps:	137 A		121 A		193 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4365 VA	80.00%	3492 VA		
Lighting	9013 VA	85.00%	7661 VA	**Total Conn. Load:**	123898 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	66557 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	149 A
Receptacle	110040 VA	50.00%	55020 VA	**Total Est. Demand:**	80 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 18K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A4L4

Location: ELEC A446 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A451 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A465 NOTE 5	2
3	Receptacle A451 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A465 NOTE 5	4
5	Receptacle A451 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A465 NOTE 5	6
7	Receptacle A453 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A467 NOTE 5	8
9	Receptacle A453 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A467 NOTE 5	10
11	Receptacle A453 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A467 NOTE 5	12
13	Receptacle A455 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#10	Receptacle A469 NOTE 5	14
15	Receptacle A455 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A469 NOTE 5	16
17	Receptacle A455 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#10	Receptacle A469 NOTE 5	18
19	Receptacle A457 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A456 NOTE 5	20
21	Receptacle A457 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A456 NOTE 5	22
23	Receptacle A457 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A456 NOTE 5	24
25	Receptacle A459 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A458 NOTE 5	26
27	Receptacle A459 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A458 NOTE 5	28
29	Receptacle A459 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A458 NOTE 5	30
31	Receptacle A461 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A460 NOTE 5	32
33	Receptacle A461 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A460 NOTE 5	34
35	Receptacle A461 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A460 NOTE 5	36
37	Receptacle A463 NOTE 5	3#10	20 A	1	1080	900 VA					1	20 A	3#10	Receptacle A462 NOTE 5	38
39	Receptacle A463 NOTE 5	3#10	20 A	1			900 VA	900 VA			1	20 A	3#10	Receptacle A462 NOTE 5	40
41	Receptacle A463 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle A462 NOTE 5	42
43	Receptacle A464 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A464 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	46
47	Receptacle A464 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	48
49	Receptacle A466 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	50
51	Receptacle A466 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	52
53	Receptacle A466 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	54
55	Receptacle A468 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	56
57	Receptacle A468 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	58
59	Receptacle A468 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	60
61	Receptacle A470 NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Spare	62
63	Receptacle A470 NOTE 5	3#10	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Receptacle A470 NOTE 5	3#10	20 A	1					1500	0 VA	1	20 A		Spare	66
67	Receptacle A473 NOTE 5	3#10	20 A	1	360 VA	0 VA					--	--		Space	68
69	Receptacle A473 NOTE 5	3#10	20 A	1			360 VA	0 VA			--	--		Space	70
71	Receptacle A400 NOTE 5	3#10	20 A	1					900 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	16740 VA		16560 VA		27900 VA						
				Total Amps:	140 A		138 A NOTE 445		233 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	61200 VA	50.00%	30600 VA		
				Total Conn. Load:	61200 VA
				Total Est. Demand:	30600 VA
				Total Conn.:	170 A
				Total Est. Demand:	85 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A4L5

Location: ELEC A446 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A449 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A435 NOTE 5	2
3	Receptacle A449 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A435 NOTE 5	4
5	Receptacle A449 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A435 NOTE 5	6
7	Receptacle A447 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A440 NOTE 5	8
9	Receptacle A447 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A440 NOTE 5	10
11	Receptacle A447 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A440 NOTE 5	12
13	Receptacle A445 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A438 NOTE 5	14
15	Receptacle A445 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A438 NOTE 5	16
17	Receptacle A445 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A438 NOTE 5	18
19	Receptacle A443 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A436 NOTE 5	20
21	Receptacle A443 NOTE 5	3#12	20 A	1			900 VA	900 VA			1	20 A	3#12	Receptacle A436 NOTE 5	22
23	Receptacle A443 NOTE 5	3#12	20 A	1					1500	1500	1	20 A	3#12	Receptacle A436 NOTE 5	24
25	Receptacle A441 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle A400	26
27	Receptacle A441 NOTE 5	3#12	20 A	1			900 VA	540 VA			1	20 A	3#12	Receptacle A400	28
29	Receptacle A441 NOTE 5	3#12	20 A	1					1500	480 VA	1	20 A	3#12	EDF	30
31	Receptacle A439 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A444	32
33	Receptacle A439 NOTE 5	3#12	20 A	1			720 VA	360 VA			1	20 A	3#12	Receptacle A444	34
35	Receptacle A439 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle A444	36
37	Receptacle A437 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle A444	38
39	Receptacle A437 NOTE 5	3#12	20 A	1			900 VA	360 VA			1	20 A	3#12	Receptacle A444	40
41	Receptacle A437 NOTE 5	3#12	20 A	1					1500	0 VA	1	20 A		Spare	42
43	Receptacle A452 NOTE 5	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	44
45	Receptacle A452 NOTE 5	3#12	20 A	1			540 VA	0 VA			1	20 A		Spare	46
47	Refrigerator A452	3#12	20 A	1					1440	0 VA	1	20 A		Spare	48
49	Receptacle A452 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Spare	50
51	Receptacle A452 NOTE 5	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	52
53	Oven A452a	2#12,1#12G	20 A	2					1500	0 VA	1	20 A		Spare	54
55	--		--	--	1500	0 VA					1	20 A		Spare	56
57	SHUNT TRIP OVEN		--	--			0 VA	0 VA			1	20 A		Spare	58
59	Microwave A452a	3#12	20 A	1					900 VA	0 VA	1	20 A		Spare	60
61	Microwave A452	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	62
63	Microwave A452	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	64
65	Receptacle A452 NOTE 5	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA	0 VA					--	--		Space	68
69	Space		--	--			0 VA	0 VA			--	--		Space	70
71	Space		--	--					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	15180 VA		12600 VA		21540 VA						
				Total Amps:	130 A		105 A		183 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	48840 VA	50.00%	24420 VA	**Total Conn. Load:**	49320 VA
				Total Est. Demand:	24804 VA
				Total Conn.:	137 A
				Total Est. Demand:	69 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A4H2 | A4L4 | A4L5

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E018
385 of 458

3/9/2013 9:38:53 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: A5H1

Location: ELEC A524 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A5L1	SEE RISER	125 A	3	15980 720 VA			1	20 A	3#12	Lighting A509	2
3	--		--	--		15140 480 VA		1	20 A	3#12	Lighting A505	4
5	--		--	--			23340 480 VA	1	20 A	3#12	Lighting A501	6
7	T-A5L2	SEE RISER	125 A	3	15893 928 VA			1	20 A	3#12	Lighting A514	8
9	--		--	--		15473 720 VA		1	20 A	3#12	Lighting A508	10
11	--		--	--			19920 720 VA	1	20 A	3#12	Lighting A502	12
13	ELEVATOR - NOTE 7	3#8,1#10G	35 A	3	8310 720 VA			1	20 A	3#12	Lighting A523	14
15	--		--	--		8310 720 VA		1	20 A	3#12	Lighting A525	16
17	--		--	--			8310 720 VA	1	20 A	3#12	Lighting A531	18
19	ELEVATOR - NOTE 7	3#8, 1#10G	40 A	3	9418 720 VA			1	20 A	3#12	Lighting A530	20
21	--		--	--		9418 529 VA		1	20 A	3#12	Lighting a522	22
23	--		--	--			9418 513 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA 675 VA			1	20 A	3#12	Lighting A500c	26
27	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	28
29	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA 0 VA			1	20 A		Spare	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 1475	1	20 A		Lighting Attic	42
43	FCU A5-1, 2, 3	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU A5-4, 5, 6	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU A5-7, 8, 9	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU A5-10, 11, 12	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU A5-13, 14, 15	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU A5-16, 17	3#12	20 A	1			306 VA 0 VA	1	20 A		Spare	54
55	FCU-18, 19	3#12	20 A	1	334 VA 0 VA			1	20 A		Spare	56
57	FCU A5-20, 21, 22	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU A5-23, 24, 25	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU A5-26, 27, 28	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	62
63	FCU A5-29, 30, 31	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	64
65	FCU-64 Stair A520	3#12	20 A	1			140 VA 0 VA	1	20 A		Spare	66
67	FCU-63 Stair A515	3#12	20 A	1	140 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		55089 VA	52458 VA	66176 VA					
			Total Amps:		200 A	189 A	240 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	4673 VA	80.00%	3738 VA	
Lighting	10120 VA	85.00%	8602 VA	**Total Conn. Load:** 173723 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:** 119042 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:** 209 A
Power	54184 VA	100.00%	54184 VA	**Total Est. Demand:** 143 A
Receptacle	104266 VA	50.00%	52133 VA	

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 16K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

7. PROVIDE SHUNT-TRIP BREAKER AND CONNECTION TO FIRE ALARM / FIRE PROTECTION SYSTEM.

Branch Panel: A5L1

Location: ELEC A524 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A501 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A504 NOTE 5	2
3	Receptacle A501 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A504 NOTE 5	4
5	Receptacle A501 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A504 NOTE 5	6
7	Receptacle A503 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A506 NOTE 5	8
9	Receptacle A503 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A506 NOTE 5	10
11	Receptacle A503 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A506 NOTE 5	12
13	Receptacle A505 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A508 NOTE 5	14
15	Receptacle A505 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle A508 NOTE 5	16
17	Receptacle A505 NOTE 5	3#12	20 A	1			1500 1080	1	20 A	3#12	Receptacle A508 NOTE 5	18
19	Receptacle A507 NOTE 5	3#10	20 A	1	900 VA 1080			1	20 A	3#10	Receptacle A510 NOTE 5	20
21	Receptacle A507 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A510 NOTE 5	22
23	Receptacle A507 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A510 NOTE 5	24
25	Receptacle A509 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A512 NOTE 5	26
27	Receptacle A509 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A512 NOTE 5	28
29	Receptacle A509 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A512 NOTE 5	30
31	Receptacle A511 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A514 NOTE 5	32
33	Receptacle A511 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A514 NOTE 5	34
35	Receptacle A511 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A514 NOTE 5	36
37	Receptacle A513 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A516 NOTE 5	38
39	Receptacle A513 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A516 NOTE 5	40
41	Receptacle A513 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A516 NOTE 5	42
43	Receptacle A518 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A518 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle A518 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle A500	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle A517	3#10	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle A517	3#10	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle A202	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Receptacle A202	3#12	20 A	1		180 VA 0 VA		1	20 A		Spare	58
59	Receptacle A202	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	60
61	ELEVATOR	3#12	20 A	1	500 VA 0 VA			1	20 A		Spare	62
63	ELEVATOR	3#12	20 A	1		500 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15980 VA	15140 VA	23340 VA					
			Total Amps:		134 A	126 A	196 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	1000 VA	100.00%	1000 VA	
Receptacle	53460 VA	50.00%	26730 VA	**Total Conn. Load:** 54460 VA
				Total Est. Demand: 27730 VA
				Total Conn.: 151 A
				Total Est. Demand: 77 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A5L2

Location: ELEC A524 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A533 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A519 NOTE 5	2
3	Receptacle A533 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A519 NOTE 5	4
5	Receptacle A533 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A519 NOTE 5	6
7	Receptacle A531 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A534 NOTE 5	8
9	Receptacle A531 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A534 NOTE 5	10
11	Receptacle A531 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A534 NOTE 5	12
13	Receptacle A529 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A532 NOTE 5	14
15	Receptacle A529 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A532 NOTE 5	16
17	Receptacle A529 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A532 NOTE 5	18
19	Receptacle A527 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A530 NOTE 5	20
21	Receptacle A527 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A530 NOTE 5	22
23	Receptacle A527 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A530 NOTE 5	24
25	Receptacle A525 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A500	26
27	Receptacle A525 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A524	28
29	Receptacle A525 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A526	30
31	Receptacle A523 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A526	32
33	Receptacle A523 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle A526	34
35	Receptacle A523 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A526	36
37	Receptacle A521 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A526	38
39	Receptacle A521 NOTE 5	3#12	20 A	1		900 VA 480 VA		1	20 A	3#12	EDF	40
41	Receptacle A521 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle A522 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A522 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	46
47	Refrigerator A522	3#12	20 A	1			1440 0 VA	1	20 A		Spare	48
49	Receptacle A522 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle A522 NOTE 5	3#12	20 A	1		180 VA 0 VA		1	20 A		Spare	52
53	Microwave A522	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	54
55	Oven A522	2#12,1#12G	20 A	2	1673 0 VA			1	20 A		Spare	56
57	--		--	--		1673 0 VA		1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	60
61	Microwave A522	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave A522	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A522 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Receptacle Attic	3#10	20 A	1	540 VA 0 VA			--	--		Space	68
69	Receptacle Attic	3#10	20 A	1		540 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		15893 VA	15473 VA	19920 VA					
			Total Amps:		133 A	129 A	167 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	480 VA	80.00%	384 VA	
Receptacle	50806 VA	50.00%	25403 VA	**Total Conn. Load:** 51286 VA
				Total Est. Demand: 25787 VA
				Total Conn.: 142 A
				Total Est. Demand: 72 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A5H1	A5L1
A5L2	

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E019

386 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:39:04 AM

Branch Panel: A5H2

Location: ELEC A546 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-A5L4	SEE RISER	125 A	3	32460 720 VA			1	20 A	3#12	Lighting A537	2
3	--		--	--		29160 720 VA		1	20 A	3#12	Lighting A543	4
5	--		--	--			49440 480 VA	1	20 A	3#12	Lighting A551	6
7	T-A5L5	SEE RISER	125 A	3	0 VA 720 VA			1	20 A	3#12	Lighting A540	8
9	--		--	--		0 VA 720 VA		1	20 A	3#12	Lighting A553	10
11	--		--	--			0 VA 720 VA	1	20 A	3#12	Lighting A559	12
13	Spare		20 A	1	0 VA 738 VA			1	20 A	3#12	Lighting A565	14
15	Spare		20 A	1		0 VA 480 VA		1	20 A	3#12	Lighting A556	16
17	Spare		20 A	1			0 VA 720 VA	1	20 A	3#12	Lighting A560	18
19	Spare		20 A	1	0 VA 928 VA			1	20 A	3#12	Lighting A566	20
21	Spare		20 A	1		0 VA 529 VA		1	20 A	3#12	Lighting A552	22
23	Spare		20 A	1			0 VA 239 VA	1	20 A	3#12	Lighting NL / EM	24
25	Spare		20 A	1	0 VA 627 VA			1	20 A	3#12	Lighting A500c	26
27	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	28
29	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	30
31	Space		--	--	0 VA 0 VA			1	20 A		Spare	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	FCU A5-32, 33, 34	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU A5-35, 36, 37	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU A5-38,39	3#12	20 A	1			278 VA 0 VA	1	20 A		Spare	48
49	FCU A5-40, 41	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	50
51	FCU A5-42, 43, 44	3#12	20 A	1		445 VA 0 VA		1	20 A		Spare	52
53	FCU A5-45, 46, 47	3#12	20 A	1			445 VA 0 VA	1	20 A		Spare	54
55	FCU A5-48, 49, 50	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU A5-51, 52, 53	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU A5-54, 55, 56	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU A5-57, 58, 59	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	62
63	FCU A5-60, 61, 62	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	64
65	FCU-65 Stair A571	3#12	20 A	1			140 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 37722 VA	33305 VA	52879 VA					
					Total Amps: 139 A	120 A	193 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4505 VA	80.00%	3604 VA		
Lighting	8341 VA	85.00%	7090 VA	**Total Conn. Load:**	123906 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	66368 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	149 A
Receptacle	110580 VA	50.00%	55290 VA	**Total Est. Demand:**	80 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 16K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A5L4

Location: ELEC A546 | **OC Type:** | **Voltage L-L:**
Device: | **Enclosure:** NEMA 1 | **Voltage L-N:**
Mounting: SURFACE | **Comments:** | **Amperage:**

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A551 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A565 NOTE 5	2
3	Receptacle A551 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A565 NOTE 5	4
5	Receptacle A551 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A565 NOTE 5	6
7	Receptacle A553 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A567 NOTE 5	8
9	Receptacle A553 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A567 NOTE 5	10
11	Receptacle A553 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A567 NOTE 5	12
13	Receptacle A555 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle A569 NOTE 5	14
15	Receptacle A555 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A569 NOTE 5	16
17	Receptacle A555 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle A569 NOTE 5	18
19	Receptacle A557 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A556 NOTE 5	20
21	Receptacle A557 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A556 NOTE 5	22
23	Receptacle A557 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A556 NOTE 5	24
25	Receptacle A559 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A558 NOTE 5	26
27	Receptacle A559 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A558 NOTE 5	28
29	Receptacle A559 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A558 NOTE 5	30
31	Receptacle A561 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A560 NOTE 5	32
33	Receptacle A561 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A560 NOTE 5	34
35	Receptacle A561 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A560 NOTE 5	36
37	Receptacle A563 NOTE 5	3#10	20 A	1	1080 900 VA			1	20 A	3#10	Receptacle A562 NOTE 5	38
39	Receptacle A563 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle A562 NOTE 5	40
41	Receptacle A563 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle A562 NOTE 5	42
43	Receptacle A564 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A564 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle A564 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle A566 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle A566 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	52
53	Receptacle A566 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	54
55	Receptacle A568 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Receptacle A568 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	58
59	Receptacle A568 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	60
61	Receptacle A570 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Receptacle A570 NOTE 5	3#10	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A570 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	66
67	Receptacle A573 NOTE 5	3#10	20 A	1	360 VA 0 VA			1	20 A	--	Space	68
69	Receptacle A573 NOTE 5	3#10	20 A	1		360 VA 0 VA		--	--	--	Space	70
71	Receptacle A500 NOTE 5	3#10	20 A	1			900 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 16740 VA	16560 VA	27900 VA					
					Total Amps: 140 A	138 A	233 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	61200 VA	50.00%	30600 VA		
				Total Conn. Load:	61200 VA
				Total Est. Demand:	30600 VA
				Total Conn.:	170 A
				Total Est. Demand:	85 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: A5L5

Location: ELEC A546 | **OC Type:** | **Voltage L-L:**
Device: | **Enclosure:** NEMA 1 | **Voltage L-N:**
Mounting: SURFACE | **Comments:** | **Amperage:**

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle A549 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A535 NOTE 5	2
3	Receptacle A549 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A535 NOTE 5	4
5	Receptacle A549 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A535 NOTE 5	6
7	Receptacle A547 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A540 NOTE 5	8
9	Receptacle A547 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A540 NOTE 5	10
11	Receptacle A547 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A540 NOTE 5	12
13	Receptacle A545 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A538 NOTE 5	14
15	Receptacle A545 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A538 NOTE 5	16
17	Receptacle A545 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A538 NOTE 5	18
19	Receptacle A543 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A536 NOTE 5	20
21	Receptacle A543 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle A536 NOTE 5	22
23	Receptacle A543 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle A536 NOTE 5	24
25	Receptacle A541 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle A500	26
27	Receptacle A541 NOTE 5	3#12	20 A	1		900 VA 540 VA		1	20 A	3#12	Receptacle A500	28
29	Receptacle A541 NOTE 5	3#12	20 A	1			1500 480 VA	1	20 A	3#12	EDF	30
31	Receptacle A539 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A544	32
33	Receptacle A539 NOTE 5	3#12	20 A	1		720 VA 360 VA		1	20 A	3#12	Receptacle A544	34
35	Receptacle A539 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle A544	36
37	Receptacle A537 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle A544	38
39	Receptacle A537 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle A544	40
41	Receptacle A537 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle A552 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle A552 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	46
47	Refrigerator A552	3#12	20 A	1			1440 0 VA	1	20 A		Spare	48
49	Receptacle A552 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle A552 NOTE 5	3#12	20 A	1		180 VA 0 VA		1	20 A		Spare	52
53	Oven A552	2#12,1#12G	20 A	2			1500 0 VA	1	20 A		Spare	54
55	--		--	--	1500 0 VA			1	20 A		Spare	56
57	SHUNT TRIP OVEN		--	--		0 VA 0 VA		1	20 A		Spare	58
59	Microwave A552	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	60
61	Microwave A552	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave A552	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Receptacle A552 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Receptacle Attic	3#10	20 A	1	540 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 15720 VA	12600 VA	21540 VA					
					Total Amps: 135 A	105 A	184 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	49380 VA	50.00%	24690 VA	**Total Conn. Load:**	49860 VA
				Total Est. Demand:	25074 VA
				Total Conn.:	138 A
				Total Est. Demand:	70 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12.
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "A" PANEL LEGEND

A5H2	A5L4
A5L5	

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "A" - PANEL SCHEDULES

SHEET NUMBER
E020

387 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 9:39:15 AM

Switchboard MSB-B

Location: ELEC B125 **Volts:** 480/277 Wye **A.I.C. Rating:** 30K AIC
Supply From: **Phases:** 3 **Mains Type:**
Mounting: **Wires:** 4 **Mains Rating:** 1200 A
Enclosure: **MCB Rating:** 1200 A

CKT	Circuit Description	# of Poles	Trip Rating	A	B	C	Remarks
1	B1H1	3	225 A	15868 VA	11220 VA	13593 VA	SEE RISER
2	B1H2	3	300 A	35698 VA	29604 VA	26034 VA	SEE RISER
3	BD-B1	3	1000 A	228205 VA	240001 VA	314471 VA	SEE RISER
4	B1H3	3	225 A	16744 VA	16743 VA	16049 VA	SEE RISER
5	T-B1L3	3	175 A	39305 VA	34210 VA	43399 VA	SEE RISER
6	T-B1L2	3	125 A	16760 VA	16432 VA	15060 VA	SEE RISER
7	Spare	3	175 A	0 VA	0 VA	0 VA	
8	SPD	3	100 A	0 VA	0 VA	0 VA	5-#3
9	Space	3	0 A	0 VA	0 VA	0 VA	
10	Space	3	0 A	0 VA	0 VA	0 VA	
11	Space	3	0 A	0 VA	0 VA	0 VA	
12	Space	3	0 A	0 VA	0 VA	0 VA	
13							
14							
15							
16							
17							
18							
19							
20							
				352580 VA	348209 VA	428605 VA	
				1275 A	1257 A	1550 A	

Load Classification	Connected	Demand Factor	Estimated	Panel Totals
HVAC	34052 VA	80.00%	27242 VA	
Lighting	101934 VA	85.00%	86644 VA	**Total Conn. Load:** 1129394 VA
Lighting - Dwelling Unit	600 VA	100.00%	600 VA	**Total Est. Demand:** 680023 VA
Motor	65788 VA	80.00%	52630 VA	**Total Conn.:** 1358 A
Other	1616 VA	100.00%	1616 VA	**Total Est. Demand:** 818 A
Power	95498 VA	100.00%	95498 VA	
Receptacle	828226 VA	50.00%	414113 VA	
Spare	1680 VA	100.00%	1680 VA	

Notes:
1. 1200A MAIN BREAKER SWITCHBOARD. 30K AIC MINIMUM
2. ALL BREAKERS SHALL HAVE LT, LTD, ST, STD, GF, GFD AND INSTANTANEOUS TRIPS

Branch Panel: B1H1

Location: VESTIBULE B125a **OC Type:** CIRCUIT BREAKER **Voltage L-L:** 480V
Device: BOLT ON **Enclosure:** NEMA 1 **Voltage L-N:** 277V
Mounting: SURFACE **Comments:** **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Lighting B143	3#12	20 A	1	480 VA 1013			1	20 A	3#10	Lighting Exterior	2
3	Lighting B147	3#12	20 A	1		480 VA 138 VA		1	20 A	3#10	Lighting Exterior	4
5	Lighting B140	3#12	20 A	1			720 VA 1142	1	20 A	3#10	Lighting Exterior	6
7	Lighting B146	3#12	20 A	1	928 VA 3000			1	20 A	2#6, 1#8G	Site Lighting	8
9	Lighting B127	3#12	20 A	1		720 VA 1500		1	20 A	2#8, 1#10G	Site Lighting	10
11	Lighting B131	3#12	20 A	1			480 VA 2100	1	20 A	2#8, 1#10G	Site Lighting	12
13	Lighting B130	3#12	20 A	1	1165 3300			1	20 A	2#6, 1#8G	Site Lighting	14
15	Lighting B126	3#12	20 A	1		1329 3300		1	20 A	2#6, 1#8G	Site Lighting	16
17	Lighting STAIR B2 B135	3#10	20 A	1			1166 2100	1	20 A	2#10, 1#10G	Site Lighting	18
19	Lighting B100b	3#10	20 A	1	622 VA 2400			1	20 A	2#8, 1#10G	Site Lighting	20
21	Lighting STAIR B1 B151	3#10	20 A	1		1166 2100		1	20 A	2#10, 1#10G	Site Lighting	22
23	Lighting STAIR B4 B154	3#10	20 A	1			1225 2700	1	20 A	2#6, 1#8G	Site Lighting	24
25	Lighting NL / EM	3#10	20 A	1	1040 1800			1	20 A	2#10, 1#10G	Site Lighting	26
27	Lighting Room B104	3#12	20 A	1		457 VA 30 VA		1	20 A	3#10	Lighting Exterior	28
29	Spare		20 A	1			0 VA 1960	1	20 A	3#10	Lighting Exterior	30
31	Spare		20 A	1	0 VA 120 VA			1	20 A	3#10	Lighting Exterior	32
33	Spare		20 A	1		0 VA 0 VA		--	--		Space	34
35	Spare		20 A	1			0 VA 0 VA	--	--		Space	36
37	Spare		20 A	1	0 VA 0 VA			--	--		Space	38
39	Spare		20 A	1		0 VA 0 VA		--	--		Space	40
41	Spare		20 A	1			0 VA 0 VA	--	--		Space	42
43					0 VA			--	--		Space	44
45						0 VA		--	--		Space	46
47							0 VA	--	--		Space	48
49					0 VA			--	--		Space	50
51						0 VA		--	--		Space	52
53							0 VA	--	--		Space	54
55					0 VA			--	--		Space	56
57						0 VA		--	--		Space	58
59							0 VA	--	--		Space	60
61					0 VA			--	--		Space	62
63						0 VA		--	--		Space	64
65							0 VA	--	--		Space	66
67					0 VA			--	--		Space	68
69						0 VA		--	--		Space	70
71							0 VA	--	--		Space	72
73					0 VA			--	--		Space	74
75						0 VA		--	--		Space	76
77							0 VA	--	--		Space	78
79					0 VA			--	--		Space	80
81						0 VA		--	--		Space	82
83							0 VA	--	--		Space	84
			Total Load:		15868 VA	11220 VA	13593 VA					
			Total Amps:		59 A	41 A	50 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	40064 VA	85.00%	34055 VA	
Lighting - Dwelling Unit	400 VA	100.00%	400 VA	**Total Conn. Load:** 40680 VA
Other	216 VA	100.00%	216 VA	**Total Est. Demand:** 34671 VA
				Total Conn.: 49 A
				Total Est. Demand: 42 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 24K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

7. PROVIDE SHUNT-TRIP BREAKER AND CONNECTION TO FIRE ALARM / FIRE PROTECTION SYSTEM.

Branch Panel: B1L1

Location: ELEC B125 **OC Type:** CIRCUIT BREAKER **Voltage L-L:** 208V
Device: BOLT ON **Enclosure:** NEMA 1 **Voltage L-N:** 120V
Mounting: SURFACE **Comments:** **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B143 NOTE5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B140 NOTE 5	2
3	Receptacle B143 NOTE5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B140 NOTE 5	4
5	Receptacle B143 NOTE5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B140 NOTE 5	6
7	Receptacle B145 NOTE5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B142 NOTE 5	8
9	Receptacle B145 NOTE5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B142 NOTE 5	10
11	Receptacle B145 NOTE5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B142 NOTE 5	12
13	Receptacle B147 NOTE5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B144 NOTE 5	14
15	Receptacle B147 NOTE5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B144 NOTE 5	16
17	Receptacle B147 NOTE5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B144 NOTE 5	18
19	Receptacle B149 NOTE5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B146 NOTE 5	20
21	Receptacle B149 NOTE5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B146 NOTE 5	22
23	Receptacle B149 NOTE5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle B146 NOTE 5	24
25	Receptacle B124 NOTE5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B148 NOTE 5	26
27	Receptacle B124 NOTE5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B148 NOTE 5	28
29	Receptacle B124 NOTE5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B148 NOTE 5	30
31	Spare		0 A	1	0 VA 900 VA			1	20 A	3#10	Receptacle B150 NOTE 5	32
33	Spare		0 A	1		0 VA 900 VA		1	20 A	3#10	Receptacle B150 NOTE 5	34
35	Spare		0 A	1			0 VA 1500	1	20 A	3#10	Receptacle B150 NOTE 5	36
37	Spare		0 A	1	0 VA 900 VA			1	20 A	3#10	Receptacle B100B NOTE	38
39	Spare		0 A	1		0 VA 540 VA		1	20 A	3#10	Receptacle B152 NOTE 5	40
41	Spare		0 A	1			0 VA 360 VA	1	20 A	3#10	Receptacle B152 NOTE 5	42
43	Receptacle B126 NOTE5	3#12	20 A	1	720 VA 200 VA			1	20 A	3#12	Code Blue Station	44
45	Receptacle B126 NOTE5	3#12	20 A	1		540 VA 500 VA		1	20 A	3#12	Auto Door B126	46
47	Refrigerator B126	3#12	20 A	1			1440 500 VA	1	20 A	3#12	Auto Door B123	48
49	Receptacle B126 NOTE5	3#12	20 A	1	360 VA 500 VA			1	20 A	3#12	Auto Door B128	50
51	Receptacle B126 NOTE5	3#12	20 A	1		180 VA 500 VA		1	20 A	3#12	Auto Door B100	52
53	Microwave B126	3#12	20 A	1			900 VA 500 VA	1	20 A	3#10	Auto Door B149	54
55	Microwave B126	3#12	20 A	1	900 VA 480 VA			1	20 A	3#12	EDF	56
57	Microwave B126	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	58
59	Oven B126	2#12,1#12G	20 A	2			1673 0 VA	1	20 A		Spare	60
61	--		--	--	1673 0 VA			1	20 A		Spare	62
63	SHUNT TRIP OVEN	3#10	--	--		0 VA 0 VA		1	20 A		Spare	64
65	Receptacle B126 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	66
67	Receptacle Exterior	3#10	20 A	1	720 VA 0 VA			--	--		Space	68
69	Gate		20 A	1		1680 0 VA		--	--		Space	70
71	Receptacle Exterior	3#10	20 A	1			360 VA 0 VA	--	--		Space	72
73	Spare		20 A	1	0 VA 0 VA			--	--		Space	74
75	Spare		20 A	1		0 VA 0 VA		--	--		Space	76
77	Spare		20 A	1			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		16353 VA	14740 VA	22593 VA					
			Total Amps:		138 A	123 A	190 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	480 VA	80.00%	384 VA	
Power	2700 VA	100.00%	2700 VA	**Total Conn. Load:** 53686 VA
Receptacle	48826 VA	50.00%	24413 VA	**Total Est. Demand:** 29177 VA
Spare	1680 VA	100.00%	1680 VA	**Total Conn.:** 149 A
				Total Est. Demand: 81 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B1L2

Location: ELEC B125 **OC Type:** CIRCUIT BREAKER **Voltage L-L:** 208V
Device: BOLT ON **Enclosure:** NEMA 1 **Voltage L-N:** 120V
Mounting: SURFACE **Comments:** **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B101	3#12	20 A	1	900 VA 480 VA			1	20 A	3#12	EDF	2
3	Receptacle B105	3#12	20 A	1		540 VA 180 VA		1	20 A	3#12	HWRP-B5	4
5	Receptacle B103	3#12	20 A	1			720 VA 360 VA	1	20 A	3#12	Receptacle ACCESS	6
7	Receptacle B103	3#12	20 A	1	360 VA 360 VA			1	20 A	3#12	Receptacle ACCESS	8
9	Receptacle B103	3#12	20 A	1		1200 360 VA		1	20 A	3#12	Receptacle ACCESS	10
11	Receptacle B104	3#12	20 A	1			540 VA 360 VA	1	20 A	3#12	Receptacle ACCESS	12
13	Receptacle B100a	3#12	20 A	1	1080 360 VA			1	20 A	3#12	Receptacle ACCESS	14
15	Receptacle B100	3#12	20 A	1		360 VA 360 VA		1	20 A	3#12	Receptacle ACCESS	16
17	Receptacle B100	3#12	20 A	1			720 VA 360 VA	1	20 A	3#12	Receptacle ACCESS	18
19	Receptacle B119	3#12	20 A	1	540 VA 540 VA			1	20 A	3#12	Receptacle B125	20
21	Receptacle B117	3#12	20 A	1		1200 452 VA		1	20 A	3#12	Receptacle Elev. Pit	22
23	Receptacle B117	3#12	20 A	1			1200 0 VA	1	20 A		Spare	24
25	Receptacle B117	3#12	20 A	1	1200 0 VA			1	20 A		Spare	26
27	Receptacle B117	3#12	20 A	1		1200 0 VA		1	20 A		Spare	28
29	Receptacle B128	3#12	20 A	1			720 VA 0 VA	1	20 A		Spare	30
31	Receptacle B139	3#12	20 A	1	720 VA 0 VA			1	20 A		Spare	32
33	Receptacle B141	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	34
35	Receptacle B141	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	36
37	Receptacle B141	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	38
39	Receptacle DATA B141	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	40
41	Receptacle B141	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	42
43	Dryer B128	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Dryer B128	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Dryer B128	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	48
49	Dryer B128	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Dryer B128	3#12	20 A	1		900 VA 1440		1	20 A	3#10	Washer	52
53	Dryer B128	3#12	20 A	1			900 VA 1440	1	20 A	3#10	Washer	54
55	Dryer B128	3#12	20 A	1	900 VA 1440			1	20 A	3#10	Washer	56
57	Dryer B128	3#12	20 A	1		900 VA 1440		1	20 A	3#10	Washer	58
59	Dryer B128	3#12	20 A	1			900 VA 1440	1	20 A	3#10	Washer	60
61	Dryer B128	3#12	20 A	1	900 VA 1440			1	20 A	3#10	Washer	62
63	Dryer B128	3#12	20 A	1		900 VA 1440		1	20 A	3#10	Washer	64
65	Dryer B128	3#12	20 A	1			900 VA 1440	1	20 A	3#10	Washer	66
67	Fire Alarm Control Panel	3#12	20 A	1	500 VA 1440			1	20 A	3#10	Washer	68
69	Dryer Control Panel	3#12	20 A	1		500 VA 1440		1	20 A	3#10	Washer	70
71	Space		--	--			0 VA 1440	1	20 A	3#10	Washer	72
73	Space		--	--	0 VA 1440			1	20 A	3#10	Washer	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		16760 VA	16432 VA	15060 VA					
			Total Amps:		141 A	139 A	126 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	92 VA	85.00%	78 VA	
Motor	17760 VA	80.00%	14208 VA	**Total Conn. Load:** 48252 VA
Power	1000 VA	100.00%	1000 VA	**Total Est. Demand:** 29986 VA
Receptacle	29400 VA	50.00%	14700 VA	**Total Conn.:** 134 A
				Total Est. Demand: 83 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B1L3

Location: ELEC B125 **OC Type:** CIRCUIT BREAKER **Voltage L-L:** 208V
Device: BOLT ON **Enclosure:** NEMA 1 **Voltage L-N:** 120V
Mounting: SURFACE **Comments:** **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B133 NOTE 5	3#12	20 A	1	900 VA 720 VA			1	20 A	3#12	Receptacle B134	2
3	Receptacle B133 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B134	4
5	Receptacle B133 NOTE 5	3#12	20 A	1			1500 1092	1	20 A	3#12	Dishwasher B134	6
7	Receptacle B131 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Microwave B134	8
9	Receptacle B131 NOTE 5	3#12	20 A	1		900 VA 1800		1	20 A	3#12	Washer B134	10
11	Receptacle B131 NOTE 5	3#12	20 A	1			1500 1700	2	30 A	2#10#10N,1#10G	Dryer B134	12
13	Receptacle B129 NOTE 5	3#12	20 A	1	900 VA 1700			--	--		--	14
15	Receptacle B129 NOTE 5	3#12	20 A	1		900 VA 540 VA		1	20 A	3#12	Receptacle B130 NOTE 5	16
17	Receptacle B129 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle B130 NOTE 5	18
19	Receptacle B127 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle B130 NOTE 5	20
21	Receptacle B127 NOTE 5	3#12	20 A	1		1080 1800		1	20 A	3#12	Refrigerator B130	22
23	Receptacle B127 NOTE 5	3#12	20 A	1			1500 4270	2	50 A	2#8,1#10G	Range B130	24
25	Receptacle B137 NOTE 5	3#12	20 A	1	360 VA 4270			--	--		--	26
27	Receptacle B137 NOTE 5	3#12	20 A	1		360 VA 360 VA		1	20 A	3#12	Receptacle B130 NOTE 5	28
29	Receptacle B134	3#12	20 A	1			720 VA 1800	1	20 A	3#12	Washer B130	30
31	Receptacle B134 Refrig.	3#12	20 A	1	1800 1700			2	30 A	2#10#10N,1#10G	Dryer B130	32
33	Receptacle B134 NOTE 5	3#12	20 A	1		360 VA 1700		--	--		--	34
35	Receptacle B134 NOTE 5	3#12	20 A	1			360 VA 720 VA	1	20 A	3#12	Receptacle B130 NOTE 5	36
37	Range B134	2#8,1#10G	50 A	2	4270 900 VA			1	20 A	3#12	Receptacle B130 NOTE 5	38
39	--		--	--		4270 1500		1	20 A	3#12	Receptacle B130 NOTE 5	40
41	Range Hood B134	3#12	20 A	1			500 VA 720 VA	1	20 A	3#12	Receptacle B100B NOTE	42
43	Microwave B130	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Range Hood B130	3#12	20 A	1		500 VA 0 VA		1	20 A		Spare	46
47	Dishwasher B130	3#12	20 A	1			1092 0 VA	1	20 A		Spare	48
49	Auto Door B130	3#12	20 A	1	500 VA 0 VA			1	20 A		Spare	50
51	Auto Door B134	3#12	20 A	1		500 VA 0 VA		1	20 A		Spare	52
53	Disposer B134	3#12	20 A	1			972 VA 0 VA	1	20 A		Spare	54
55	Disposer B130	3#12	20 A	1	972 VA 0 VA			1	20 A		Spare	56
57	WH-B1	3#12	20 A	1		500 VA 0 VA		1	20 A		Spare	58
59	WH-B2	3#12	20 A	1			500 VA 0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA 0 VA			1	20 A		Spare	62
63	Space		--	--		0 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		22952 VA	19470 VA	20806 VA					
			Total Amps:		193 A	162 A	175 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	3000 VA	100.00%	3000 VA	
Receptacle	60228 VA	50.00%	30114 VA	**Total Conn. Load:** 63228 VA
				Total Est. Demand: 33114 VA
				Total Conn.: 176 A
				Total Est. Demand: 92 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "B" PANEL LEGEND

MSB-B | B1H1 | B1L1 | B1L2 | B1L3

CLA — Corbett Legge & Associates, PLLC, Mechanical & Electrical Engineers
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E021
388 of 458

3/9/2013 10:03:05 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: B1H2

Location: ELECTRICAL LD107 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	T-B1L4	SEE RISER	175 A	3	33580	846 VA					1	20 A	3#12	Room LD101, LD102,	2
3	--		--	--			26592	1580			1	20 A	3#12	Other	4
5	--		--	--					24094	491 VA	1	20 A	3#12	Lighting LD115	6
7	Spare		20 A	1	0 VA	336 VA					1	20 A	3#12	Lighting LD217	8
9	Spare		20 A	1			0 VA	336 VA			1	20 A	3#12	Lighting LD217	10
11	Spare		20 A	1					0 VA	676 VA	1	20 A	3#12	Lighting LD217	12
13	Spare		20 A	1	0 VA	936 VA					1	20 A	3#12	Lighting LD217	14
15	Spare		20 A	1			0 VA	1096			1	20 A	3#12	Lighting CLASS / CONF.	16
17	Spare		20 A	1					0 VA	773 VA	1	20 A		Room LD217C, LD217A	18
19	Spare		20 A	1	0 VA	0 VA					--	--		Space	20
21	Spare		20 A	1			0 VA	0 VA			--	--		Space	22
23	Spare		20 A	1					0 VA	0 VA	--	--		Space	24
25	Spare		20 A	1	0 VA	0 VA					--	--		Space	26
27	Spare		20 A	1			0 VA	0 VA			--	--		Space	28
29	Spare		20 A	1					0 VA	0 VA	--	--		Space	30
31	Space		--	--	0 VA	0 VA					--	--		Space	32
33	Space		--	--			0 VA	0 VA			--	--		Space	34
35	Space		--	--					0 VA	0 VA	--	--		Space	36
37	Space		--	--	0 VA	0 VA					--	--		Space	38
39	Space		--	--			0 VA	0 VA			--	--		Space	40
41	Space		--	--					0 VA	0 VA	--	--		Space	42
				Total Load:	35698 VA		29604 VA		26034 VA						
				Total Amps:	131 A		109 A		94 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	528 VA	80.00%	422 VA		
Lighting	5816 VA	85.00%	4944 VA	**Total Conn. Load:**	91336 VA
Lighting - Dwelling Unit	100 VA	100.00%	100 VA	**Total Est. Demand:**	52358 VA
Motor	2180 VA	80.00%	1744 VA	**Total Conn.:**	110 A
Other	1400 VA	100.00%	1400 VA	**Total Est. Demand:**	63 A
Power	6184 VA	100.00%	6184 VA		
Receptacle	75128 VA	50.00%	37564 VA		

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MINIMUM.
3. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
4. BREAKER #1 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B1L4

Location: ELECTRICAL LD107 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle STAFF LD101	3#12	20 A	1	720 VA	500 VA					1	20 A	3#12	Auto Door LD115	2
3	Receptacle STAFF LD102	3#12	20 A	1			720 VA	500 VA			1	20 A	3#12	Auto Door LD100	4
5	Receptacle STAFF LD103	3#12	20 A	1					720 VA	900 VA	1	20 A	3#12	Microwave LD111	6
7	Receptacle DIRECTOR	3#12	20 A	1	720 VA	1500					1	20 A	3#12	Receptacle STOR-1	8
9	Receptacle FUTURE USE	3#12	20 A	1			720 VA	480 VA			1	20 A	3#12	EDF	10
11	Receptacle Room LD115,	3#12	20 A	1					900 VA	200 VA	1	20 A	3#12	Ceiling Fans	12
13	Receptacle CORRIDOR	3#12	20 A	1	540 VA	180 VA					1	20 A		Receptacle CLASS /	14
15	Receptacle CLASS /	3#12	20 A	1			900 VA	360 VA			1	20 A		Power CLASS / CONF.	16
17	Receptacle CLASS /	3#12	20 A	1					720 VA	360 VA	1	20 A		Power CLASS / CONF.	18
19	Receptacle WORK LD110	3#12	20 A	1	1500	360 VA					1	20 A		Power CLASS / CONF.	20
21	Receptacle WORK LD110	3#12	20 A	1			360 VA	180 VA			1	20 A		HWRP-86	22
23	Receptacle WORK LD110	3#12	20 A	1					360 VA	2592	2	20 A		HK LD108	24
25	Receptacle BREAK LD111	3#12	20 A	1	1200	2592					--	--		--	26
27	Receptacle BREAK LD111	3#12	20 A	1			180 VA	0 VA			1	20 A		Spare	28
29	Receptacle Room LD115,	3#12	20 A	1					720 VA	0 VA	1	20 A		Spare	30
31	Receptacle STORAGE	3#12	20 A	1	540 VA	0 VA					1	20 A		Spare	32
33	Receptacle HK LD108	3#12	20 A	1			360 VA	0 VA			1	20 A		Spare	34
35	Receptacle	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	36
37	Receptacle	3#12	20 A	1	720 VA	0 VA					1	20 A		Spare	38
39	Receptacle ELEVATOR	3#12	20 A	1			226 VA	0 VA			1	20 A		Spare	40
41	Receptacle CORRIDOR	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	42
43	Receptacle LD217	3#10	20 A	1	1080	720 VA					1	20 A	3#10	Receptacle	44
45	Receptacle LD217	3#10	20 A	1			720 VA	450 VA			1	20 A	3#10	MULTI-PURPOSE	46
47	Receptacle LD217	3#10	20 A	1					720 VA	450 VA	1	20 A	3#10	MULTI-PURPOSE	48
49	Receptacle LD217A	3#10	20 A	1	540 VA	800 VA					1	20 A	3#10	Terminal Units LD217	50
51	Receptacle LD217A	3#10	20 A	1			1500	528 VA			1	20 A		KEF-1	52
53	Screen LD217	3#10	20 A	1					1200	500 VA	1	20 A		Receptacle KITCHEN	54
55	Projector LD217A	3#10	20 A	1	1500	0 VA					1	20 A		Spare	56
57	Receptacle STORAGE	3#10	20 A	1			540 VA	0 VA			1	20 A		Spare	58
59	Ice Maker LD217B	3#10	20 A	1					1200	0 VA	1	20 A		Spare	60
61	Refrigerator LD217B	3#10	20 A	1	1200	0 VA					1	20 A		Spare	62
63	Freezer LD217B	3#10	20 A	1			1500	0 VA			1	0 A		Spare	64
65	Receptacle LD217B	3#10	20 A	1					540 VA	0 VA	1	0 A		Spare	66
67	Dishwasher LD217B	3#10	20 A	1	1500	0 VA					--	--		Space	68
69	Microwave LD217B	3#10	20 A	1			1200	0 VA			--	--		Space	70
71	Double Oven LD217B	3#8,1#8N,1#10G	50 A	3					9612	0 VA	--	--		Space	72
73	--		--	--	9612	0 VA					--	--		Space	74
75	--		--	--			9612	0 VA			--	--		Space	76
77	Griddle LD217B	3#10	20 A	1					1320	0 VA	--	--		Space	78
79	Cooktop LD217B	2#6,1#10G	60 A	2	5556	0 VA					--	--		Space	80
81	--		--	--			5556	0 VA			--	--		Space	82
83	Power CLASS / CONF.		20 A	1					360 VA	0 VA	--	--		Space	84
				Total Load:	33580 VA		26592 VA		24094 VA						
				Total Amps:	283 A		225 A		201 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	528 VA	80.00%	422 VA		
Lighting	46 VA	85.00%	39 VA	**Total Conn. Load:**	84266 VA
Motor	2180 VA	80.00%	1744 VA	**Total Est. Demand:**	46154 VA
Other	200 VA	100.00%	200 VA	**Total Conn.:**	234 A
Power	6184 VA	100.00%	6184 VA	**Total Est. Demand:**	128 A
Receptacle	75128 VA	50.00%	37564 VA		

Notes:
1. 400A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) #2 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B1H3

Location: ELEC B125 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	FCU	3#12	20 A	1	278 VA	7480					3	60 A	3#8,1#10G	BVU-B1 Supply Fan	2
3	FCU	3#12	20 A	1			417 VA	7480			--	--		--	4
5	FCU	3#12	20 A	1					417 VA	7480	--	--		--	6
7	FCU	3#12	20 A	1	417 VA	3880					3	25 A	3#10,1#10G	BVU-B1 Exhaust Fan	8
9	FCU	3#12	20 A	1			639 VA	3880			--	--		--	10
11	FCU	3#12	20 A	1					417 VA	3880	--	--		--	12
13	FCU	3#12	20 A	1	417 VA	582 VA					3	15 A	3#12,1#12G	BVU-B1 Energy Wheel	14
15	FCU	3#12	20 A	1			278 VA	582 VA			--	--		--	16
17	FCU	3#12	20 A	1					278 VA	582 VA	--	--		--	18
19	FCU	3#12	20 A	1	473 VA	610 VA					3	20 A	3#12,1#12G	HWRP-B1	20
21	FCU	3#12	20 A	1			417 VA	610 VA			--	--		--	22
23	FCU	3#12	20 A	1					417 VA	610 VA	--	--		--	24
25	FCU	3#12	20 A	1	639 VA	610 VA					3	20 A	3#12,1#12G	HWRP-B2	26
27	FCU	3#12	20 A	1			139 VA	610 VA			--	--		--	28
29	FCU	3#12	20 A	1					139 VA	610 VA	--	--		--	30
31	FCU	3#12	20 A	1	139 VA	610 VA					3	20 A		HWRP-B3	32
33	FCU	3#12	20 A	1			472 VA	610 VA			--	--		--	34
35	Spare		20 A	1					0 VA	610 VA	--	--		--	36
37	Spare		20 A	1	0 VA	610 VA					3	20 A		HWRP-B4	38
39	Spare		20 A	1			0 VA	610 VA			--	--		--	40
41	Spare		20 A	1					0 VA	610 VA	--	--		--	42
				Total Load:	16744 VA		16743 VA		16049 VA						
				Total Amps:	61 A		61 A		58 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6393 VA	80.00%	5114 VA		
Motor	43142 VA	80.00%	34514 VA	**Total Conn. Load:**	49535 VA
				Total Est. Demand:	39628 VA
				Total Conn.:	60 A
				Total Est. Demand:	48 A

Notes:
1. 225 MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MINIMUM.
3. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL.

BUILDING "B" PANEL LEGEND

B1H2	B1L4
	B1H3

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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E022
389 of 458

3/9/2013 10:03:14 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: B2H1

Location: ELEC B225 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-B2L1	SEE RISER	125 A	3	13140 792 VA			1	20 A	3#12	Lighting B243, B218,	2
3	--		--	--		16700 792 VA		1	20 A	3#12	Room B249, B247, B245,	4
5	--		--	--			16040 1000	1	20 A	3#12	Room B250, B246, B248,	6
7	T-B2L2	SEE RISER	125 A	3	18733 792 VA			1	20 A	3#12	Room B242, B244, B240,	8
9	--		--	--		14720 792 VA		1	20 A	3#12	Room B238, B222, B224,	10
11	--		--	--			24793 792 VA	1	20 A	3#12	Room B226, B228, B230,	12
13	T-B2L3	SEE RISER	125 A	3	14540 1000			1	20 A	3#12	Room B234, B231, B233,	14
15	--		--	--		17540 792 VA		1	20 A	3#12	Room B227, B229, B231,	16
17	--		--	--			18420 528 VA	1	20 A	3#12	Room B219, B217, B219a,	18
19	ELEVATOR - NOTE 7	3#8,1#10G	35 A	3	8310 792 VA			1	20 A	3#12	Room B205a, B203a,	20
21	--		--	--		8310 792 VA		1	20 A	3#12	Room B211a, B209a,	22
23	--		--	--			8310 480 VA	1	20 A	3#12	Room B213a, B213, B214,	24
25	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Room B212a, B210a,	26
27	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Room B206a, B204a,	28
29	Spare		20 A	1			0 VA 673 VA	1	20 A	3#12	Lighting CORRIDOR	30
31	Space		--	--	0 VA 571 VA			1	20 A	3#12	Lighting	32
33	Space		--	--		0 VA 1225		1	20 A	3#12	Lighting Corridor	34
35	Space		--	--			0 VA 1284	1	20 A	3#12	Lighting STAIR B3 B215	36
37	Space		--	--	0 VA 0 VA			1	20 A		Spare	38
39	Space		--	--		0 VA 0 VA		1	20 A		Spare	40
41	Space		--	--			0 VA 0 VA	1	20 A		Spare	42
43	FCU B2-42, 44, 45	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU B2-40, 41, 43	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU B2-36, 38, 39	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU B2-34, 35, 37	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU B2-20, 33	3#12	20 A	1		278 VA 0 VA		1	20 A		Spare	52
53	FCU B2-21, 22, 23	3#12	20 A	1			611 VA 0 VA	1	20 A		Spare	54
55	FCU B2-24, 25, 26	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU B2-27, 28, 29	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU B2-30, 31, 32	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU B4-18, 19	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	62
63	FCU B2-16, 17	3#12	20 A	1		445 VA 0 VA		1	20 A		Spare	64
65	FCU B2-12, 13, 14	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	66
67	FCU B2-9, 10, 11	3#12	20 A	1	417 VA 0 VA			--	--		Space	68
69	FCU B2-6, 7, 8	3#12	20 A	1		417 VA 0 VA		--	--		Space	70
71	FCU B2-3, 4, 5	3#12	20 A	1			417 VA 0 VA	--	--		Space	72
73	FCU B2-1, 2	3#12	20 A	1	278 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		61686 VA	64429 VA	74599 VA					
			Total Amps:		223 A	234 A	271 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6477 VA	80.00%	5182 VA		
Lighting	14581 VA	85.00%	12394 VA	**Total Conn. Load:**	200714 VA
Lighting - Dwelling Unit	100 VA	100.00%	100 VA	**Total Est. Demand:**	121812 VA
Motor	480 VA	80.00%	384 VA	**Total Conn.:**	241 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	147 A
Power	28430 VA	100.00%	28430 VA		
Receptacle	150646 VA	50.00%	75323 VA		

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1, #7 AND #13 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B2L1

Location: ELEC B225 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B243 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B240 NOTE 5	2
3	Receptacle B243 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B240 NOTE 5	4
5	Receptacle B243 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#12	Receptacle B242 NOTE 5	6
7	Receptacle B245 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B242 NOTE 5	8
9	Receptacle B245 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B242 NOTE 5	10
11	Receptacle B245 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#12	Receptacle B244 NOTE 5	12
13	Receptacle B247 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B244 NOTE 5	14
15	Receptacle B247 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B244 NOTE 5	16
17	Receptacle B247 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#12	Receptacle B246 NOTE 5	18
19	Receptacle B249 NOTE 5	3#10	20 A	1	1080 900 VA			1	20 A	3#12	Receptacle B246 NOTE 5	20
21	Receptacle B249 NOTE 5	3#10	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B246 NOTE 5	22
23	Receptacle B249 NOTE 5	3#10	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle B248 NOTE 5	24
25	Receptacle B224 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B248 NOTE 5	26
27	Receptacle B224 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#10	Receptacle B248 NOTE 5	28
29	Receptacle B224 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle B250 NOTE 5	30
31	Receptacle B222 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B250 NOTE 5	32
33	Receptacle B222 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#10	Receptacle B250 NOTE 5	34
35	Receptacle B222 NOTE 5	3#12	20 A	1			1500 540 VA	1	20 A	3#10	Receptacle B252 NOTE 5	36
37	Receptacle B238 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#10	Receptacle B252 NOTE 5	38
39	Receptacle B238 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B200b NOTE 5	40
41	Receptacle B238 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle B240 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Auto Door B249	3#10	20 A	1		500 VA 0 VA		1	20 A		Spare	46
47	ELEVATOR LD219	3#10	20 A	1			500 VA 0 VA	1	20 A		Spare	48
49	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	50
51	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	52
53	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	54
55	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	56
57	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		13140 VA	16700 VA	16040 VA					
			Total Amps:		110 A	143 A	137 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	1000 VA	100.00%	1000 VA		
Receptacle	44880 VA	50.00%	22440 VA	**Total Conn. Load:**	45880 VA
				Total Est. Demand:	23440 VA
				Total Conn.:	127 A
				Total Est. Demand:	65 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B2L2

Location: ELEC B225 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B213 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B212 NOTE 5	2
3	Receptacle B213 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B212 NOTE 5	4
5	Receptacle B213 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B212 NOTE 5	6
7	Receptacle B211 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B210 NOTE 5	8
9	Receptacle B211 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B210 NOTE 5	10
11	Receptacle B211 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B210 NOTE 5	12
13	Receptacle B209 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B208 NOTE 5	14
15	Receptacle B209 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B208 NOTE 5	16
17	Receptacle B209 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B208 NOTE 5	18
19	Receptacle B207 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B206 NOTE 5	20
21	Receptacle B207 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B206 NOTE 5	22
23	Receptacle B207 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B206 NOTE 5	24
25	Receptacle B205 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B204 NOTE 5	26
27	Receptacle B205 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B204 NOTE 5	28
29	Receptacle B205 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B204 NOTE 5	30
31	Receptacle B203 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B202 NOTE 5	32
33	Receptacle B203 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B202 NOTE 5	34
35	Receptacle B203 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle B202 NOTE 5	36
37	Receptacle B201 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B200a NOTE	38
39	Receptacle B201 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	40
41	Receptacle B201 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle B200 NOTE 5	3#12	20 A	1	540 VA 500 VA			1	20 A	3#12	Auto Door B253	44
45	Receptacle B253 NOTE 5	3#12	20 A	1		720 VA 500 VA		1	20 A	3#12	Auto Door B200a	46
47	Receptacle B253 NOTE 5	3#12	20 A	1			360 VA 500 VA	1	20 A	3#10	Auto Door B213	48
49	Refrigerator B253	3#12	20 A	1	1440 0 VA			1	20 A		Spare	50
51	Receptacle B253 NOTE 5	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Oven B253 Range	2#12,1#12G	20 A	2			1673 0 VA	1	20 A		Spare	54
55	--		--	--	1673 0 VA			1	20 A		Spare	56
57	SHUNT TRIP OVEN		--	--		0 VA 0 VA		1	20 A		Spare	58
59	Receptacle B253 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	60
61	Receptacle B214 NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Receptacle B214 NOTE 5	3#10	20 A	1		540 VA 0 VA		1	20 A		Spare	64
65	Receptacle B214 NOTE 5	3#10	20 A	1			1500 0 VA	1	20 A		Spare	66
67	Receptacle B253 NOTE 5	3#12	20 A	1	180 VA 0 VA			--	--		Space	68
69	Microwave B253	3#12	20 A	1		900 VA 0 VA		--	--		Space	70
71	Microwave B253	3#12	20 A	1			900 VA 0 VA	--	--		Space	72
73	Microwave B253	3#12	20 A	1	900 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		18733 VA	14720 VA	24793 VA					
			Total Amps:		161 A	123 A	212 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	1500 VA	100.00%	1500 VA		
Receptacle	56746 VA	50.00%	28373 VA	**Total Conn. Load:**	58246 VA
				Total Est. Demand:	29873 VA
				Total Conn.:	162 A
				Total Est. Demand:	83 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B2L3

Location: ELEC B225 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B233 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B230 NOTE 5	2
3	Receptacle B233 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B230 NOTE 5	4
5	Receptacle B233 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#12	Receptacle B228 NOTE 5	6
7	Receptacle B231 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B228 NOTE 5	8
9	Receptacle B231 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B228 NOTE 5	10
11	Receptacle B231 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#12	Receptacle B226 NOTE 5	12
13	Receptacle B229 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B226 NOTE 5	14
15	Receptacle B229 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle B226 NOTE 5	16
17	Receptacle B229 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle B200b NOTE	18
19	Receptacle B227 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B217 NOTE 5	20
21	Receptacle B227 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B217 NOTE 5	22
23	Receptacle B227 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B217 NOTE 5	24
25	Receptacle B237 NOTE 5	3#12	20 A	1	540 VA 900 VA			1	20 A	3#12	Receptacle B219 NOTE 5	26
27	Receptacle B237 NOTE 5	3#12	20 A	1		360 VA 1080		1	20 A	3#12	Receptacle B219 NOTE 5	28
29	Receptacle B234 NOTE 5	3#12	20 A	1			900 VA 1500	1	20 A	3#12	Receptacle B219 NOTE 5	30
31	Receptacle B234 NOTE 5	3#12	20 A	1	900 VA 1080			1	20 A	3#12	Receptacle B218 NOTE 5	32
33	Receptacle B234 NOTE 5	3#12	20 A	1		1500 900 VA		1	20 A	3#12	Receptacle B218 NOTE 5	34
35	Receptacle B232 NOTE 5	3#12	20 A	1			900 VA 1500	1	20 A	3#12	Receptacle B218 NOTE 5	36
37	Receptacle B232 NOTE 5	3#12	20 A	1	900 VA 1080			1	20 A	3#12	Receptacle B220 NOTE 5	38
39	Receptacle B232 NOTE 5	3#12	20 A	1		1500 900 VA		1	20 A	3#12	Receptacle B220 NOTE 5	40
41	Receptacle B230 NOTE 5	3#12	20 A	1			900 VA 1500	1	20 A	3#12	Receptacle B220 NOTE 5	42
43	Receptacle B223	3#12	20 A	1	720 VA 500 VA			1	20 A	3#12	Auto Door B200b	44
45	Receptacle B225	3#12	20 A	1		720 VA 500 VA		1	20 A	3#12	Auto Door B220	46
47	Receptacle B241	3#12	20 A	1			360 VA 480 VA	1	20 A	3#12	EDF	48
49	Receptacle B241	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle B241	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle B241	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle B241	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Receptacle B200b NOTE	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		14540 VA	17540 VA	18420 VA					
			Total Amps:		121 A	150 A	157 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Power	1000 VA	100.00%	1000 VA	**Total Conn. Load:**	50500 VA
Receptacle	49020 VA	50.00%	24510 VA	**Total Est. Demand:**	25894 VA
				Total Conn.:	140 A
				Total Est. Demand:	72 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "B" PANEL LEGEND

B2H1 | B2L1 | B2L2 | B2L3

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E023

390 of 458

3/9/2013 10:03:24 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: B3H1

Location: ELEC B325 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-B3L1	SEE RISER	125 A	3	12240 792 VA			1	20 A	3#12	Lighting B320	2
3	--		--	--		12240 792 VA		1	20 A	3#12	Lighting B345	4
5	--		--	--			20400 1000	1	20 A	3#12	Lighting B346	6
7	T-B3L2	SEE RISER	125 A	3	16020 792 VA			1	20 A	3#12	Lighting B340	8
9	--		--	--		18413 792 VA		1	20 A	3#12	Lighting B324	10
11	--		--	--			25973 792 VA	1	20 A	3#12	Lighting B326	12
13	T-B3L3	SEE RISER	125 A	3	13680 1000			1	20 A	3#12	Lighting B332	14
15	--		--	--		13860 792 VA		1	20 A	3#12	Lighting B327	16
17	--		--	--			21420 528 VA	1	20 A	3#12	Lighting B319	18
19	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Lighting B301	20
21	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Lighting B307	22
23	Spare		20 A	1			0 VA 792 VA	1	20 A	3#12	Lighting B313	24
25	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Lighting B308	26
27	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Lighting B302	28
29	Spare		20 A	1			0 VA 614 VA	1	20 A	3#12	Lighting NL / EM	30
31	Space		--	--	0 VA 571 VA			1	20 A	3#12	Lighting B325	32
33	Space		--	--		0 VA 1225		1	20 A	3#12	Lighting B300b	34
35	Space		--	--			0 VA 0 VA	1	20 A		Spare	36
37	Space		--	--	0 VA 0 VA			1	20 A		Spare	38
39	Space		--	--		0 VA 0 VA		1	20 A		Spare	40
41	Space		--	--			0 VA 0 VA	1	20 A		Spare	42
43	FCU B3-43, 45, 46	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU B3-41, 42, 44	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU B3-38, 39, 40	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU B3-35, 36, 37	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU B3-21, 22, 34	3#12	20 A	1		611 VA 0 VA		1	20 A		Spare	52
53	FCU B3-23, 24, 25	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU B3-26, 27, 28	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU B3-29, 30, 31	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU B3-32, 33	3#12	20 A	1			278 VA 0 VA	1	20 A		Spare	60
61	FCU B3-19, 20	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	62
63	FCU B3-16, 17, 18	3#12	20 A	1		445 VA 0 VA		1	20 A		Spare	64
65	FCU B3-13, 14, 15	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	66
67	FCU B3-10, 11, 12	3#12	20 A	1	417 VA 0 VA			--	--		Space	68
69	FCU B3-7, 8, 9	3#12	20 A	1		417 VA 0 VA		--	--		Space	70
71	FCU B3-4, 5, 6	3#12	20 A	1			417 VA 0 VA	--	--		Space	72
73	FCU B3-1, 2, 3	3#12	20 A	1	584 VA 0 VA			--	--		Space	74
75	FCU	3#12	20 A	1		139 VA 0 VA		--	--		Space	76
77	HVAC		20 A	1			139 VA 0 VA	--	--		Space	78
79	HVAC		20 A	1	139 VA 0 VA			--	--		Space	80
81	HVAC		20 A	1		139 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 49348 VA		52283 VA				73604 VA	
					Total Amps: 178 A		190 A				267 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7033 VA	80.00%	5626 VA		
Lighting	13650 VA	85.00%	11602 VA	**Total Conn. Load:**	175235 VA
Motor	786 VA	80.00%	629 VA	**Total Est. Demand:**	94741 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	211 A
Receptacle	153766 VA	50.00%	76883 VA	**Total Est. Demand:**	114 A

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1, #7 AND #13 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B3L1

Location: ELEC B325 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B343 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B340 NOTE 5	2
3	Receptacle B343 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B340 NOTE 5	4
5	Receptacle B343 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B340 NOTE 5	6
7	Receptacle B345 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B342 NOTE 5	8
9	Receptacle B345 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B342 NOTE 5	10
11	Receptacle B345 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B342 NOTE 5	12
13	Receptacle B347 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B344 NOTE 5	14
15	Receptacle B347 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B344 NOTE 5	16
17	Receptacle B347 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B344 NOTE 5	18
19	Receptacle B349 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B346 NOTE 5	20
21	Receptacle B349 NOTE 5	3#10	20 A	1		1080 900 VA		1	20 A	3#12	Receptacle B346 NOTE 5	22
23	Receptacle B349 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle B346 NOTE 5	24
25	Receptacle B324 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B348 NOTE 5	26
27	Receptacle B324 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B348 NOTE 5	28
29	Receptacle B324 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B348 NOTE 5	30
31	Receptacle B322 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B350 NOTE 5	32
33	Receptacle B322 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B350 NOTE 5	34
35	Receptacle B322 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B350 NOTE 5	36
37	Receptacle B338 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle B352 NOTE 5	38
39	Receptacle B338 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle B352 NOTE 5	40
41	Receptacle B338 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle B300b NOTE 5	42
43	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	44
45	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	46
47	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	48
49	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	50
51	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	52
53	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	54
55	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	56
57	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 12240 VA		20400 VA					
					Total Amps: 102 A		170 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44880 VA	50.00%	22440 VA		
				Total Conn. Load:	44880 VA
				Total Est. Demand:	22440 VA
				Total Conn.:	125 A
				Total Est. Demand:	62 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B3L2

Location: ELEC B325 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B313 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B316 NOTE 5	2
3	Receptacle B313 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B316 NOTE 5	4
5	Receptacle B313 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B316 NOTE 5	6
7	Receptacle B311 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B314 NOTE 5	8
9	Receptacle B311 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B314 NOTE 5	10
11	Receptacle B311 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B314 NOTE 5	12
13	Receptacle B309 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B312 NOTE 5	14
15	Receptacle B309 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B312 NOTE 5	16
17	Receptacle B309 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B312 NOTE 5	18
19	Receptacle B307 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B310 NOTE 5	20
21	Receptacle B307 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B310 NOTE 5	22
23	Receptacle B307 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B310 NOTE 5	24
25	Receptacle B305 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B308 NOTE 5	26
27	Receptacle B305 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B308 NOTE 5	28
29	Receptacle B305 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B308 NOTE 5	30
31	Receptacle B303 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B306 NOTE 5	32
33	Receptacle B303 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B306 NOTE 5	34
35	Receptacle B303 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B306 NOTE 5	36
37	Receptacle B301 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B304 NOTE 5	38
39	Receptacle B301 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B304 NOTE 5	40
41	Receptacle B301 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B304 NOTE 5	42
43	Receptacle B302 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle B302 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle B302 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle B300a NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle B300 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	52
53	Receptacle B353 NOTE 5	3#12	20 A	1			720 VA 0 VA	1	20 A		Spare	54
55	Receptacle B353 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Refrigerator B353	3#12	20 A	1		1440 0 VA		1	20 A		Spare	58
59	Receptacle B323 NOTE 5	3#12	20 A	1			180 VA 0 VA	1	20 A		Spare	60
61	Receptacle B353 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	62
63	Oven B353	2#12,1#12G	20 A	2		1673 0 VA		1	20 A		Spare	64
65	--		--	--			1673 0 VA	1	20 A		Spare	66
67	SHUNT TRIP OVEN		--	--	0 VA 0 VA			--	--		Space	68
69	Microwave B353	3#12	20 A	1		900 VA 0 VA		--	--		Space	70
71	Microwave B353	3#12	20 A	1			900 VA 0 VA	--	--		Space	72
73	Microwave B353	3#12	20 A	1	900 VA 0 VA			--	--		Space	74
75	Receptacle B353 NOTE 5	3#12	20 A	1		360 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 16020 VA		18413 VA				25973 VA	
					Total Amps: 134 A		157 A				220 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	60406 VA	50.00%	30203 VA		
				Total Conn. Load:	60406 VA
				Total Est. Demand:	30203 VA
				Total Conn.:	168 A
				Total Est. Demand:	84 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B3L3

Location: ELEC B325 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B333 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B328 NOTE 5	2
3	Receptacle B333 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B328 NOTE 5	4
5	Receptacle B333 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B328 NOTE 5	6
7	Receptacle B331 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B326 NOTE 5	8
9	Receptacle B331 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B326 NOTE 5	10
11	Receptacle B331 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B326 NOTE 5	12
13	Receptacle B329 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#12	Receptacle B337 NOTE 5	14
15	Receptacle B329 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle B337 NOTE 5	16
17	Receptacle B329 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle B300b NOTE 5	18
19	Receptacle B327 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B317 NOTE 5	20
21	Receptacle B327 NOTE	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B317 NOTE 5	22
23	Receptacle B327 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B317 NOTE 5	24
25	Receptacle B334 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B319 NOTE 5	26
27	Receptacle B334 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B319 NOTE 5	28
29	Receptacle B334 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B319 NOTE 5	30
31	Receptacle B332 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B318 NOTE 5	32
33	Receptacle B332 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B318 NOTE 5	34
35	Receptacle B332 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B318 NOTE 5	36
37	Receptacle B330 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B320 NOTE 5	38
39	Receptacle B330 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B320 NOTE 5	40
41	Receptacle B330 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B320 NOTE 5	42
43	Receptacle B321	3#12	20 A	1	720 VA 0 VA			1	20 A		Spare	44
45	Receptacle B325	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle B341	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	48
49	Receptacle B341	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle B341	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle B341	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle B341	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Receptacle B300b NOTE 5		20 A	1		720 VA 0 VA		1	20 A		Spare	58
59	EDF		20 A	1			480 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 13680 VA		13860 VA				21420 VA	
					Total Amps: 114 A		116 A				179 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	48480 VA	50.00%	24240 VA		
				Total Conn. Load:	48960 VA
				Total Est. Demand:	24624 VA
				Total Conn.:	136 A
				Total Est. Demand:	68 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E024
391 of 458

BUILDING "B" PANEL LEGEND

B3H1	B3L1
B3L2	B3L3

3/9/2013 10:03:34 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: B4H1

Location: ELEC B425 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-B4L1	SEE RISER	125 A	3	12240 792 VA			1	20 A	3#12	Room B443, B443a, B418,	2
3	--		--	--		12240 792 VA		1	20 A	3#12	Room B449, B447, B445,	4
5	--		--	--			20400 1000	1	20 A	3#12	Room B450, B446, B448,	6
7	T-B4L2	SEE RISER	125 A	3	16020 792 VA			1	20 A	3#12	Room B442, B444, B440,	8
9	--		--	--		18413 792 VA		1	20 A	3#12	Room B438, B422, B424,	10
11	--		--	--			25973 792 VA	1	20 A	3#12	Room B426, B428, B430,	12
13	T-B4L3	SEE RISER	125 A	3	14040 1000			1	20 A	3#12	Room B432, B434, B433,	14
15	--		--	--		14580 792 VA		1	20 A	3#12	Room B427, B429, B431,	16
17	--		--	--			21420 528 VA	1	20 A	3#12	Room B419, B417, B419a,	18
19	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Room B405a, B403a,	20
21	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Room B411a, B409a,	22
23	Spare		20 A	1			0 VA 792 VA	1	20 A	3#12	Room B416a, B416,	24
25	Spare		20 A	1	0 VA 792 VA			1	20 A	3#12	Room B412a, B410a,	26
27	Spare		20 A	1		0 VA 792 VA		1	20 A	3#12	Room B406a, B404a,	28
29	Spare		20 A	1			0 VA 614 VA	1	20 A	3#12	Lighting CORRIDOR	30
31	Space		--	--	0 VA 571 VA			1	20 A	3#12	Lighting B425	32
33	Space		--	--		0 VA 1225		1	20 A	3#12	Lighting B400b	34
35	Space		--	--			0 VA 0 VA	1	20 A		Spare	36
37	Space		--	--	0 VA 0 VA			1	20 A		Spare	38
39	Space		--	--		0 VA 0 VA		1	20 A		Spare	40
41	Space		--	--			0 VA 0 VA	1	20 A		Spare	42
43	FCU B4-43, 45, 46	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU B4-41, 42, 44	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU B4-38, 39, 40	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU B4-35, 36, 37	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU B4-21, 22, 34	3#12	20 A	1		611 VA 0 VA		1	20 A		Spare	52
53	FCU B4-23, 24, 25	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU B4-26, 27, 28	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU B4-29, 30, 31	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU B4-32, 33	3#12	20 A	1			278 VA 0 VA	1	20 A		Spare	60
61	FCU B4-19, 20	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	62
63	FCU B4-16, 17, 18	3#12	20 A	1		278 VA 0 VA		1	20 A		Spare	64
65	FCU B4-13, 14, 15	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	66
67	FCU 10, 11, 12	3#12	20 A	1	417 VA 0 VA			--	--		Space	68
69	FCU B4-7, 8, 9	3#12	20 A	1		417 VA 0 VA		--	--		Space	70
71	FCU B4-4, 5, 6	3#12	20 A	1			417 VA 0 VA	--	--		Space	72
73	FCU	3#12	20 A	1	417 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		49402 VA	52558 VA	73465 VA					
			Total Amps:		178 A	191 A	267 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6449 VA	80.00%	5159 VA		
Lighting	13650 VA	85.00%	11602 VA	**Total Conn. Load:**	175425 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	94569 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	211 A
Receptacle	154846 VA	50.00%	77423 VA	**Total Est. Demand:**	114 A

Notes:
1. 400A MLO POWER PANEL. (SQUARE D I-LINE TYPE)
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1, #7 AND #13 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B4L1

Location: ELEC B425 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B443 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B440 NOTE 5	2
3	Receptacle B443 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B440 NOTE 5	4
5	Receptacle B443 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B440 NOTE 5	6
7	Receptacle B445 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B442 NOTE 5	8
9	Receptacle B445 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B442 NOTE 5	10
11	Receptacle B445 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B442 NOTE 5	12
13	Receptacle B447 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B444 NOTE 5	14
15	Receptacle B447 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B444 NOTE 5	16
17	Receptacle B447 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B444 NOTE 5	18
19	Receptacle B449 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B446 NOTE 5	20
21	Receptacle B449 NOTE 5	3#12	20 A	1		1080 900 VA		1	20 A	3#12	Receptacle B446 NOTE 5	22
23	Receptacle B449 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B446 NOTE 5	24
25	Receptacle B424 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B448 NOTE 5	26
27	Receptacle B424 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B448 NOTE 5	28
29	Receptacle B424 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B448 NOTE 5	30
31	Receptacle B422 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B450 NOTE 5	32
33	Receptacle B422 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B450 NOTE 5	34
35	Receptacle B422 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B450 NOTE 5	36
37	Receptacle B438 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle B452 NOTE 5	38
39	Receptacle B438 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle B452 NOTE 5	40
41	Receptacle B438 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle B400b NOTE 5	42
43	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	44
45	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	46
47	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	48
49	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	50
51	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	52
53	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	54
55	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	56
57	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		12240 VA	12240 VA	20400 VA					
			Total Amps:		102 A	102 A	170 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44880 VA	50.00%	22440 VA		
				Total Conn. Load:	44880 VA
				Total Est. Demand:	22440 VA
				Total Conn.:	125 A
				Total Est. Demand:	62 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B4L2

Location: ELEC B425 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B413 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B416 NOTE 5	2
3	Receptacle B413 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B416 NOTE 5	4
5	Receptacle B413 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B416 NOTE 5	6
7	Receptacle B411 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B414 NOTE 5	8
9	Receptacle B411 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B414 NOTE 5	10
11	Receptacle B411 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B414 NOTE 5	12
13	Receptacle B409 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B412 NOTE 5	14
15	Receptacle B409 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B412 NOTE 5	16
17	Receptacle B409 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B412 NOTE 5	18
19	Receptacle B407 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B410 NOTE 5	20
21	Receptacle B407 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B410 NOTE 5	22
23	Receptacle B407 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B410 NOTE 5	24
25	Receptacle B405 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B408 NOTE 5	26
27	Receptacle B405 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B408 NOTE 5	28
29	Receptacle B405 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B408 NOTE 5	30
31	Receptacle B403 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B406 NOTE 5	32
33	Receptacle B403 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B406 NOTE 5	34
35	Receptacle B403 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B406 NOTE 5	36
37	Receptacle B401 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B404 NOTE 5	38
39	Receptacle B401 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B404 NOTE 5	40
41	Receptacle B401 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B404 NOTE 5	42
43	Receptacle B402 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle B402 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle B402 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle B400a NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle B400 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	52
53	Receptacle B453 NOTE 5	3#12	20 A	1			720 VA 0 VA	1	20 A		Spare	54
55	Receptacle B453 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Refrigerator B453	3#12	20 A	1		1440 0 VA		1	20 A		Spare	58
59	Receptacle B453 NOTE 5	3#12	20 A	1			180 VA 0 VA	1	20 A		Spare	60
61	Receptacle B453 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	62
63	Oven B453	2#12,1#12G	20 A	2		1673 0 VA		1	20 A		Spare	64
65	--		--	--			1673 0 VA	1	20 A		Spare	66
67	SHUNT TRIP OVEN		--	--	0 VA 0 VA			--	--		Space	68
69	Microwave B453	3#12	20 A	1		900 VA 0 VA		--	--		Space	70
71	Microwave B453	3#12	20 A	1			900 VA 0 VA	--	--		Space	72
73	Microwave B453	3#12	20 A	1	900 VA 0 VA			--	--		Space	74
75	Receptacle B453 NOTE 5	3#12	20 A	1		360 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		16020 VA	18413 VA	25973 VA					
			Total Amps:		134 A	157 A	220 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	60406 VA	50.00%	30203 VA		
				Total Conn. Load:	60406 VA
				Total Est. Demand:	30203 VA
				Total Conn.:	168 A
				Total Est. Demand:	84 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B4L3

Location: ELEC B425 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B433 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B428 NOTE 5	2
3	Receptacle B433 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B428 NOTE 5	4
5	Receptacle B433 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B428 NOTE 5	6
7	Receptacle B431 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B426 NOTE 5	8
9	Receptacle B431 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B426 NOTE 5	10
11	Receptacle B431 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B426 NOTE 5	12
13	Receptacle B429 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#12	Receptacle B437 NOTE 5	14
15	Receptacle B429 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle B437 NOTE 5	16
17	Receptacle B429 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle B400b NOTE 5	18
19	Receptacle B427 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B417 NOTE 5	20
21	Receptacle B427 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B417 NOTE 5	22
23	Receptacle B427 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B417 NOTE 5	24
25	Receptacle B434 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B419 NOTE 5	26
27	Receptacle B434 NOTE 5	3#12	20 A	1		900 VA 1260		1	20 A	3#12	Receptacle B419 NOTE 5	28
29	Receptacle B434 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B419 NOTE 5	30
31	Receptacle B432 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B418 NOTE 5	32
33	Receptacle B432 NOTE 5	3#12	20 A	1		900 VA 1260		1	20 A	3#12	Receptacle B418 NOTE 5	34
35	Receptacle B432 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B418 NOTE 5	36
37	Receptacle B430 NOTE 5	3#12	20 A	1	900 VA 1260			1	20 A	3#12	Receptacle B420 NOTE 5	38
39	Receptacle B430 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B420 NOTE 5	40
41	Receptacle B430 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B420 NOTE 5	42
43	Receptacle B421	3#12	20 A	1	720 VA 0 VA			1	20 A		Spare	44
45	Receptacle B425	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle B441	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	48
49	Receptacle B441	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle B441	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle B441	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle B441	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Receptacle B400b NOTE 5	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	58
59	EDF	3#12	20 A	1			480 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		14040 VA	14580 VA	21420 VA					
			Total Amps:		117 A	122 A	179 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	49560 VA	50.00%	24780 VA		
				Total Conn. Load:	50040 VA
				Total Est. Demand:	25164 VA
				Total Conn.:	139 A
				Total Est. Demand:	70 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "B" PANEL LEGEND

B4H1 | B4L1 | B4L2 | B4L3

CLA — Corbett Legge & Associates, PLLC, Mechanical & Electrical Engineers
Post Office Box 7370 (38802) | 431 West Main Street • Suite 101 | Tupelo, MS 38804
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JOSEPH D. LEGGE — REGISTERED PROFESSIONAL ENGINEER — 15189 — STATE OF MISSISSIPPI

THE McCARTY COMPANY DESIGN GROUP, P.A.
OFFICE ADDRESS: 533 WEST MAIN STREET TUPELO, MS 38804
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DESIGN ARCHITECT
Hanbury Evans Wright Vlattas + Company
120 Atlantic Street
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E025

392 of 458

3/9/2013 10:03:44 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: B5H1

Location: ELEC B525 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-B5L1	SEE RISER	125 A	3	12240 720 VA			1	20 A	3#12	Room B543, B543a, B518,	2
3	--		--	--		12240 720 VA		1	20 A	3#12	Room B549, B547, B545,	4
5	--		--	--			20400 928 VA	1	20 A	3#12	Room B550, B546, B548,	6
7	T-B5L2	SEE RISER	125 A	3	16520 720 VA			1	20 A	3#12	Room B542, B544, B540,	8
9	--		--	--		18413 720 VA		1	20 A	3#12	Room B538, B522, B524,	10
11	--		--	--			26293 720 VA	1	20 A	3#12	Room B526, B528, B530,	12
13	T-B5L3	SEE RISER	125 A	3	14400 928 VA			1	20 A	3#12	Room B532, B534, B537,	14
15	--		--	--		14940 720 VA		1	20 A	3#12	Room B527, B529, B531,	16
17	--		--	--			21420 480 VA	1	20 A	3#12	Room B519, B517, B519a,	18
19	ELEVATOR - NOTE 7	3#8,1#10G	35 A	3	8310 720 VA			1	20 A	3#12	Room B505a, B503a,	20
21	--		--	--		8310 720 VA		1	20 A	3#12	Room B511a, B509a,	22
23	--		--	--			8310 720 VA	1	20 A	3#12	Room B516a, B516,	24
25	ELEVATOR - NOTE 7	3#8,1#10G	40 A	3	9418 720 VA			1	20 A	3#12	Room B512a, B510a,	26
27	--		--	--		9418 720 VA		1	20 A	3#12	Room B506a, B504a,	28
29	--		--	--			9418 732 VA	1	20 A	3#12	Lighting CORRIDOR	30
31	Space		--	--	0 VA 571 VA			1	20 A	3#12	Lighting	32
33	Space		--	--		0 VA 1225		1	20 A	3#12	Other	34
35	Space		--	--			0 VA 0 VA	1	20 A		Spare	36
37	Space		--	--	0 VA 0 VA			1	20 A		Spare	38
39	Space		--	--		0 VA 0 VA		1	20 A		Spare	40
41	Space		--	--			0 VA 1298	1	20 A	3#12	Lighting	42
43	FCU B5-43, 45, 46	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	44
45	FCU B5-41, 42, 44	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU B5-38, 39, 40	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU B5-36, 36, 37	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU B5-21, 22, 34	3#12	20 A	1		611 VA 0 VA		1	20 A		Spare	52
53	FCU B5-23, 24, 25	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU B5-26, 27, 28	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU B5-29, 30, 31	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU B5-32, 33	3#12	20 A	1			278 VA 0 VA	1	20 A		Spare	60
61	FCU B5-19, 20	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	62
63	FCU B5-16, 17, 18	3#12	20 A	1		445 VA 0 VA		1	20 A		Spare	64
65	FCU B5-13, 14, 15	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	66
67	FCU B5-10, 11, 12	3#12	20 A	1	417 VA 0 VA			--	--		Space	68
69	FCU B5-7, 8, 9	3#12	20 A	1		417 VA 0 VA		--	--		Space	70
71	FCU B5-4, 5, 6	3#12	20 A	1			417 VA 0 VA	--	--		Space	72
73	FCU B5-1, 2, 3	3#12	20 A	1	417 VA 0 VA			--	--		Space	74
75	FCU B5-49	3#12	20 A	1		139 VA 0 VA		--	--		Space	76
77	FCU B5-50	3#12	20 A	1			139 VA 0 VA	--	--		Space	78
79	FCU B5-48	3#12	20 A	1	139 VA 0 VA			--	--		Space	80
81	FCU	3#12	20 A	1		139 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		67769 VA	70731 VA	92804 VA					
			Total Amps:		245 A	257 A	337 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	7172 VA	80.00%	5738 VA		
Lighting	14082 VA	85.00%	11970 VA	**Total Conn. Load:**	231304 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	149968 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	278 A
Power	54184 VA	100.00%	54184 VA	**Total Est. Demand:**	180 A
Receptacle	155386 VA	50.00%	77693 VA		

Notes:
1. 400A MLO POWER PANEL. (SQUARE D I-LINE TYPE)
2. PANEL SHALL BE BRACED FOR 22K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1, #7 AND #13 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.
7. PROVIDE SHUNT-TRIP BREAKER AND CONNECTION TO FIRE ALARM / FIRE PROTECTION SYSTEM.

Branch Panel: B5L1

Location: ELEC B525 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B543 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B540 NOTE 5	2
3	Receptacle B543 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B540 NOTE 5	4
5	Receptacle B543 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B540 NOTE 5	6
7	Receptacle B545 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B542 NOTE 5	8
9	Receptacle B545 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B542 NOTE 5	10
11	Receptacle B545 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B542 NOTE 5	12
13	Receptacle B547 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B544 NOTE 5	14
15	Receptacle B547 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle B544 NOTE 5	16
17	Receptacle B547 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle B544 NOTE 5	18
19	Receptacle B549 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle B546 NOTE 5	20
21	Receptacle B549 NOTE 5	3#10	20 A	1		1080 900 VA		1	20 A	3#12	Receptacle B546 NOTE 5	22
23	Receptacle B549 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle B546 NOTE 5	24
25	Receptacle B524 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B548 NOTE 5	26
27	Receptacle B524 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B548 NOTE 5	28
29	Receptacle B524 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B548 NOTE 5	30
31	Receptacle B522 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B550 NOTE 5	32
33	Receptacle B522 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B550 NOTE 5	34
35	Receptacle B522 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B550 NOTE 5	36
37	Receptacle B538 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle B552 NOTE 5	38
39	Receptacle B538 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle B552 NOTE 5	40
41	Receptacle B538 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle B500b NOTE	42
43	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	44
45	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	46
47	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	48
49	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	50
51	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	52
53	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	54
55	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	56
57	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		12240 VA	12240 VA	20400 VA					
			Total Amps:		102 A	102 A	170 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44880 VA	50.00%	22440 VA		
				Total Conn. Load:	44880 VA
				Total Est. Demand:	22440 VA
				Total Conn.:	125 A
				Total Est. Demand:	62 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B5L2

Location: ELEC B525 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B513 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B516 NOTE 5	2
3	Receptacle B513 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B516 NOTE 5	4
5	Receptacle B513 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B516 NOTE 5	6
7	Receptacle B511 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B514 NOTE 5	8
9	Receptacle B511 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B514 NOTE 5	10
11	Receptacle B511 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B514 NOTE 5	12
13	Receptacle B509 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B512 NOTE 5	14
15	Receptacle B509 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B512 NOTE 5	16
17	Receptacle B509 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B512 NOTE 5	18
19	Receptacle B507 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B510 NOTE 5	20
21	Receptacle B507 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B510 NOTE 5	22
23	Receptacle B507 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B510 NOTE 5	24
25	Receptacle B505 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B508 NOTE 5	26
27	Receptacle B505 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B508 NOTE 5	28
29	Receptacle B505 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B508 NOTE 5	30
31	Receptacle B503 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B506 NOTE 5	32
33	Receptacle B503 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B506 NOTE 5	34
35	Receptacle B503 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle B506 NOTE 5	36
37	Receptacle B501 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle B504 NOTE 5	38
39	Receptacle B501 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle B504 NOTE 5	40
41	Receptacle B501 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#10	Receptacle B504 NOTE 5	42
43	Receptacle B502 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	44
45	Receptacle B502 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	46
47	Receptacle B502 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle B500a NOTE 5	3#10	20 A	1	900 VA 0 VA			1	20 A		Spare	50
51	Receptacle B500 NOTE 5	3#12	20 A	1		540 VA 0 VA		1	20 A		Spare	52
53	Receptacle B553 NOTE 5	3#12	20 A	1			540 VA 0 VA	1	20 A		Spare	54
55	Receptacle B553 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Refrigerator B553	3#12	20 A	1		1440 0 VA		1	20 A		Spare	58
59	Receptacle B553 NOTE 5	3#12	20 A	1			180 VA 0 VA	1	20 A		Spare	60
61	Receptacle B553 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	62
63	Oven LOUNGE B553	2#12,1#12G	20 A	2		1673 0 VA		1	20 A		Spare	64
65	--		--	--			1673 0 VA	1	20 A		Spare	66
67	SHUNT TRIP OVEN		--	--	0 VA 0 VA			--	--		Space	68
69	Microwave B553	3#12	20 A	1		900 VA 0 VA		--	--		Space	70
71	Microwave B553	3#12	20 A	1			900 VA 0 VA	--	--		Space	72
73	Microwave B553	3#12	20 A	1	900 VA 0 VA			--	--		Space	74
75	Receptacle B553 NOTE 5	3#12	20 A	1		360 VA 0 VA		--	--		Space	76
77	Elevator	3#12	20 A	1			500 VA 0 VA	--	--		Space	78
79	Elevator	3#12	20 A	1	500 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		16520 VA	18413 VA	26293 VA					
			Total Amps:		138 A	156 A	222 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	1000 VA	100.00%	1000 VA		
Receptacle	60226 VA	50.00%	30113 VA	**Total Conn. Load:**	61226 VA
				Total Est. Demand:	31113 VA
				Total Conn.:	170 A
				Total Est. Demand:	86 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: B5L3

Location: ELEC B525 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle B533 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A		Receptacle B528 NOTE 5	2
3	Receptacle B533 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A		Receptacle B528 NOTE 5	4
5	Receptacle B533 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B528 NOTE 5	6
7	Receptacle B531 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A		Receptacle B526 NOTE 5	8
9	Receptacle B531 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A		Receptacle B526 NOTE 5	10
11	Receptacle B531 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B526 NOTE 5	12
13	Receptacle B529 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A		Receptacle B537 NOTE 5	14
15	Receptacle B529 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A		Receptacle B537 NOTE 5	16
17	Receptacle B529 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A		Receptacle B500b NOTE 5	18
19	Receptacle B527 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A		Receptacle B517 NOTE 5	20
21	Receptacle B527 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A		Receptacle B517 NOTE 5	22
23	Receptacle B527 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B517 NOTE 5	24
25	Receptacle B534 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A		Receptacle B519 NOTE 5	26
27	Receptacle B534 NOTE 5	3#12	20 A	1		900 VA 1080		1	20 A		Receptacle B519 NOTE 5	28
29	Receptacle B534 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B519 NOTE 5	30
31	Receptacle B532 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A		Receptacle B518 NOTE 5	32
33	Receptacle B532 NOTE 5	3#12	20 A	1		900 VA 1080		1	20 A		Receptacle B518 NOTE 5	34
35	Receptacle B532 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B518 NOTE 5	36
37	Receptacle B530 NOTE 5	3#12	20 A	1	900 VA 1080			1	20 A		Receptacle B520 NOTE 5	38
39	Receptacle B530 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A		Receptacle B520 NOTE 5	40
41	Receptacle B530 NOTE 5	3#12	20 A	1			1500 1500	1	20 A		Receptacle B520 NOTE 5	42
43	Receptacle B521	3#12	20 A	1	720 VA 0 VA			1	20 A		Spare	44
45	Receptacle B525	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle B541	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	48
49	Receptacle B541	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle B541	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Receptacle B541	3#12	20 A	1			360 VA 0 VA	1	20 A		Spare	54
55	Receptacle B541	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	56
57	Receptacle B500b NOTE 5		20 A	1		720 VA 0 VA		1	20 A		Spare	58
59	EDF		20 A	1			480 VA 0 VA	1	20 A		Spare	60
61	Receptacle Attic		20 A	1	540 VA 0 VA			1	20 A		Spare	62
63	Receptacle Attic		20 A	1		720 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		14400 VA	14940 VA	21420 VA					
			Total Amps:		120 A	125 A	179 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	50280 VA	50.00%	25140 VA	**Total Conn. Load:**	50760 VA
				Total Est. Demand:	25524 VA
				Total Conn.:	141 A
				Total Est. Demand:	71 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "B" PANEL LEGEND

B5H1 | B5L1 | B5L2 | B5L3

CLA
Corbett Legge & Associates, PLLC
Mechanical & Electrical Engineers
Post Office Box 7370 (38802)
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JOSEPH D. FOX
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ENGINEER

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DESIGN ARCHITECT
Hanbury Evans Wright Vlattas + Company
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "B" - PANEL SCHEDULES

SHEET NUMBER
E026

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3/9/2013 10:03:54 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Switchboard MSB-C

Location: ELEC C122 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 25K AIC
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: FLOOR | **Wires:** 4 | **Mains Rating:** 1000 A
Enclosure: NEMA 1 | **MCB Rating:** 1000 A

CKT	Circuit Description	# of Poles	Trip Rating	A	B	C	Remarks
1	C1H1	3	225 A	12485 VA	12149 VA	10479 VA	SEE RISER
2	BD-C1	3	600 A	187591 VA	169952 VA	206518 VA	SEE RISER
3	T-C1L1	3	175 A	24660 VA	30302 VA	22910 VA	SEE RISER
4	T-C1L2	3	125 A	14486 VA	15286 VA	15862 VA	SEE RISER
5	Spare	3	125 A	0 VA	0 VA	0 VA	
6	SPD	3	100 A	0 VA	0 VA	0 VA	5-#3
7	Space	3	0 A	0 VA	0 VA	0 VA	
8	Space	3	0 A	0 VA	0 VA	0 VA	
9	Space	3	0 A	0 VA	0 VA	0 VA	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
				239222 VA	227688 VA	255769 VA	
				870 A	822 A	930 A	

Load Classification	Connected	Demand Factor	Estimated	Panel Totals
HVAC	18151 VA	80.00%	14521 VA	
Lighting	41519 VA	85.00%	35291 VA	**Total Conn. Load:** 722319 VA
Lighting - Dwelling Unit	700 VA	100.00%	700 VA	**Total Est. Demand:** 428797 VA
Motor	36954 VA	80.00%	29563 VA	**Total Conn.:** 869 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:** 516 A
Power	70768 VA	100.00%	70768 VA	
Receptacle	552547 VA	50.00%	276274 VA	
Spare	1680 VA	100.00%	1680 VA	

Notes:
1. 1000A MAIN BREAKER POWER PANEL. (SQUARE D I-LINE TYPE). 25K AIC MINIMUM
2. ALL BREAKERS SHALL HAVE LT, LTD, ST, STD, GF, GFD AND INSTANTANEOUS TRIPS

Branch Panel: C1H1

Location: ELEC C122 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Lighting C128	3#12	20 A	1	529 VA	0 VA					1	20 A		Spare	2
3	Lighting C127	3#12	20 A	1			840 VA	0 VA			1	20 A		Spare	4
5	Lighting C125	3#12	20 A	1					516 VA	0 VA	1	20 A		Spare	6
7	Lighting C114	3#12	20 A	1	588 VA	0 VA					1	20 A		Spare	8
9	Lighting C112	3#12	20 A	1			392 VA	0 VA			1	20 A		Spare	10
11	Lighting NL / EM	3#12	20 A	1					930 VA	0 VA	1	20 A		Spare	12
13	Lighting STAIR C134	3#10	20 A	1	1166	0 VA					1	20 A		Spare	14
15	Lighting STAIR C105	3#10	20 A	1			1225	0 VA			1	20 A		Spare	16
17	Lighting C100	3#12	20 A	1					533 VA	0 VA	1	20 A		Spare	18
19	Lighting C124	3#12	20 A	1	1886	0 VA					1	20 A		Spare	20
21	Lighting C108	3#12	20 A	1			1138	0 VA			1	20 A		Spare	22
23	Lighting Exterior	3#10	20 A	1					312 VA	0 VA	1	20 A		Spare	24
25	Lighting Exterior	3#10	20 A	1	138 VA	0 VA					--	--		Space	26
27	Lighting Exterior	3#10	20 A	1			571 VA	0 VA			--	--		Space	28
29	Lighting STAIR LD118	3#10	20 A	1					399 VA	0 VA	--	--		Space	30
31	Spare		20 A	1	0 VA	0 VA					--	--		Space	32
33	Spare		20 A	1			0 VA	0 VA			--	--		Space	34
35	Spare		20 A	1					0 VA	0 VA	--	--		Space	36
37	Spare		20 A	1	0 VA	0 VA					--	--		Space	38
39	Spare		20 A	1			0 VA	0 VA			--	--		Space	40
41	Spare		20 A	1					0 VA	0 VA	--	--		Space	42
43	BVU-C1 SUPPLY FAN	3#10,1#10G	25 A	3	3880	416 VA					3	20 A	3#12,1#12G	HWRP-C1	44
45	--		--	--			3880	416 VA			--	--		--	46
47	--		--	--					3880	416 VA	--	--		--	48
49	BVU-C1 EXHAUST FAN	3#12,1#12G	15 A	3	2105	416 VA					3	20 A	3#12,1#12G	HWRP-C2	50
51	--		--	--			2105	416 VA			--	--		--	52
53	--		--	--					2105	416 VA	--	--		--	54
55	FCU	3#12	20 A	1	306 VA	0 VA					1	20 A		Spare	56
57	FCU	3#12	20 A	1			611 VA	0 VA			1	20 A		Spare	58
59	FCU	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60
61	FCU	3#12	20 A	1	611 VA	0 VA					1	20 A		Spare	62
63	FCU	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	64
65	FCU	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	66
67	FCU	3#12	20 A	1	445 VA	0 VA					--	--		Space	68
69	FCU	3#12	20 A	1			139 VA	0 VA			--	--		Space	70
71	FCU	3#12	20 A	1					139 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	12485 VA		12149 VA		10479 VA						
				Total Amps:	46 A		45 A		38 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3502 VA	80.00%	2802 VA	
Lighting	10462 VA	85.00%	8893 VA	**Total Conn. Load:** 35113 VA
Lighting - Dwelling Unit	700 VA	100.00%	700 VA	**Total Est. Demand:** 28754 VA
Motor	20449 VA	80.00%	16359 VA	**Total Conn.:** 42 A
Other	0 VA	0.00%	0 VA	**Total Est. Demand:** 35 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 18K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C1L1

Location: ELEC C122 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C128 NOTE 5	3#12	20 A	1	900 VA	720 VA					1	20 A	3#12	Receptacle C132 NOTE 5	2
3	Receptacle C128 NOTE 5	3#12	20 A	1			900 VA	1500			1	20 A	3#12	Receptacle C132 NOTE 5	4
5	Receptacle C128 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle C132 NOTE 5	6
7	Receptacle C124	3#12	20 A	1	720 VA	1800					1	20 A	3#12	Receptacle C132 NOTE 5	8
9	Receptacle C137 NOTE 5	3#12	20 A	1			1500	900 VA			1	20 A	3#12	Microwave C132	10
11	Receptacle C129 NOTE 5	3#12	20 A	1					900 VA	360 VA	1	20 A	3#12	Receptacle C132 NOTE 5	12
13	Receptacle C129 NOTE 5	3#12	20 A	1	900 VA	900 VA					1	20 A	3#12	Receptacle C132 NOTE 5	14
15	Receptacle C129 NOTE 5	3#12	20 A	1			1500	4270			2	50 A	3#8,1#10G	Range C132	16
17	Receptacle C127 NOTE 5	3#12	20 A	1					900 VA	4270	--	--		--	18
19	Receptacle C127 NOTE 5	3#12	20 A	1	900 VA	500 VA					1	20 A	3#12	Range Hood C132	20
21	Receptacle C127 NOTE 5	3#12	20 A	1			1500	1800			1	20 A	3#12	Washer C132	22
23	Receptacle C125 NOTE 5	3#12	20 A	1					900 VA	1700	2	30 A	2#10,1#10N,1#10G	Dryer C132	24
25	Receptacle C125 NOTE 5	3#12	20 A	1	900 VA	1700					--	--		--	26
27	Receptacle C125 NOTE 5	3#12	20 A	1			1500	972 VA			1	20 A	3#12	Disposer C132	28
29	Receptacle C141 NOTE 5	3#12	20 A	1					900 VA	1500	1	20 A	3#12	Receptacle C143 NOTE 5	30
31	Receptacle C141 NOTE 5	3#12	20 A	1	1500	1500					1	20 A	3#12	Receptacle C119 NOTE 5	32
33	Receptacle C131 NOTE 5	3#12	20 A	1			900 VA	1500			1	20 A	3#12	Receptacle C117 NOTE 5	34
35	Receptacle C131 NOTE 5	3#12	20 A	1					720 VA	540 VA	1	20 A	3#12	Receptacle C100a NOTE	36
37	Receptacle C131 NOTE 5	3#12	20 A	1	1500	360 VA					1	20 A	3#12	Receptacle C120 NOTE 5	38
39	Receptacle C122	3#12	20 A	1			720 VA	540 VA			1	20 A	3#12	Receptacle C133 NOTE 5	40
41	Receptacle C100a NOTE	3#12	20 A	1					900 VA	360 VA	1	20 A	3#12	Receptacle C133 NOTE 5	42
43	BVU-C1 Wheel	3#10	25 A	1	2000	200 VA					1	20 A	3#12	Code Blue Station	44
45	Receptacle C139	3#12	20 A	1			360 VA	200 VA			1	20 A	3#12	Code Blue Station	46
47	Receptacle C139	3#12	20 A	1					360 VA	0 VA	1	20 A		Spare	48
49	Receptacle C139	3#12	20 A	1	360 VA	500 VA					1	20 A	3#12	Auto Door C131	50
51	Receptacle C139	3#12	20 A	1			360 VA	500 VA			1	20 A	3#12	Auto Door C132	52
53	EDF	3#12	20 A	1					480 VA	500 VA	1	20 A	3#12	Auto Door C125	54
55	Receptacle Exterior	3#10	20 A	1	540 VA	500 VA					1	20 A		Auto Door C120	56
57	Spare		20 A	1			0 VA	2880			1	20 A	2#10,1#10N,1,10G	Washer/Dryer C120	58
59	Spare		20 A	1					0 VA	2880	--	--		--	60
61	Spare		20 A	1	0 VA	2880					2	30 A	2#10,1#10N,1,10G	Washer/Dryer C120	62
63	Gate		20 A	1			1680	2880			--	--		--	64
65	Spare		20 A	1					0 VA	2880	2	30 A	2#10,1#10N,1,10G	Dryer C120	66
67	Spare		20 A	1	0 VA	2880					--	--		--	68
69	Spare		20 A	1			0 VA	1440			1	20 A	3#12	Washer C120	70
71	Spare		20 A	1					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84
				Total Load:	24660 VA		30302 VA		22910 VA						
				Total Amps:	208 A		255 A		191 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	2480 VA	80.00%	1984 VA	
Other	0 VA	0.00%	0 VA	**Total Conn. Load:** 77872 VA
Power	2900 VA	100.00%	2900 VA	**Total Est. Demand:** 41970 VA
Receptacle	70812 VA	50.00%	35406 VA	**Total Conn.:** 216 A
Spare	1680 VA	100.00%	1680 VA	**Total Est. Demand:** 116 A

Notes:
1. 400A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C1L2

Location: ELEC C122 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A		B		C		Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C118 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#12	Receptacle C115	2
3	Receptacle C118 NOTE 5	3#12	20 A	1			900 VA	360 VA			1	20 A	3#12	Receptacle C115	4
5	Receptacle C118 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#12	Receptacle C115	6
7	Receptacle C116 NOTE 5	3#12	20 A	1	900 VA	540 VA					1	20 A	3#10	Receptacle C111	8
9	Receptacle C116 NOTE 5	3#12	20 A	1			900 VA	720 VA			1	20 A	3#10	Receptacle C109	10
11	Receptacle C116 NOTE 5	3#12	20 A	1					1500	1260	1	20 A	3#10	Receptacle C100 NOTE 5	12
13	Receptacle C114 NOTE 5	3#12	20 A	1	900 VA	180 VA					1	20 A	3#10	Receptacle C107	14
15	Receptacle C114 NOTE 5	3#12	20 A	1			900 VA	180 VA			1	20 A	3#10	Receptacle C107	16
17	Receptacle C114 NOTE 5	3#12	20 A	1					1500	180 VA	1	20 A	3#10	Receptacle C107	18
19	Receptacle C112 NOTE 5	3#12	20 A	1	900 VA	1080					1	20 A	3#10	Receptacle C101 NOTE 5	20
21	Receptacle C112 NOTE 5	3#12	20 A	1			900 VA	720 VA			1	20 A	3#10	Receptacle C104 NOTE 5	22
23	Receptacle C112 NOTE 5	3#12	20 A	1					1500	720 VA	1	20 A	3#10	Receptacle C104 NOTE 5	24
25	Receptacle C110 NOTE 5	3#12	20 A	1	900 VA	360 VA					1	20 A	3#10	Receptacle C104 NOTE 5	26
27	Receptacle C110 NOTE 5	3#12	20 A	1			900 VA	180 VA			1	20 A	3#10	Receptacle C106 NOTE 5	28
29	Receptacle C110 NOTE 5	3#12	20 A	1					1500	360 VA	1	20 A	3#10	Receptacle C106 NOTE 5	30
31	Receptacle C100a NOTE	3#12	20 A	1	540 VA	360 VA					1	20 A	3#10	Receptacle C106 NOTE 5	32
33	Receptacle C108 NOTE 5	3#12	20 A	1			540 VA	360 VA			1	20 A	3#10	Receptacle C106 NOTE 5	34
35	Receptacle C115	3#12	20 A	1					360 VA	540 VA	1	20 A	3#12	Receptacle C113 NOTE 5	36
37	Receptacle C115	3#12	20 A	1	360 VA	720 VA					1	20 A	3#12	Receptacle C113 NOTE 5	38
39	Receptacle C115	3#12	20 A	1			360 VA	1440			1	20 A	3#12	Refrigerator C113	40
41	Receptacle C115	3#12	20 A	1					360 VA	452 VA	1	20 A	3#10	Receptacle Elev Pit C145	42
43	Oven C113	2#12,1#12G	20 A	2	1616	500 VA					1	20 A	3#12	Auto Door C100	44
45	--		--	--			1616	500 VA			1	20 A	3#10	Auto Door C100	46
47	SHUNT TRIP OVEN		--	--					0 VA	480 VA	1	20 A	3#10	EDF	48
49	Receptacle C113 NOTE 5	3#12	20 A	1	360 VA	500 VA					1	20 A	3#12	WH-C1	50
51	Receptacle C113 NOTE 5	3#12	20 A	1			360 VA	500 VA			1	20 A	3#12	WH-C2	52
53	Microwave C113	3#12	20 A	1					900 VA	200 VA	1	20 A	3#12	HWRP-C3	54
55	Microwave C113	3#12	20 A	1	900 VA	0 VA					1	20 A		Spare	56
57	Microwave C113	3#12	20 A	1			900 VA	0 VA			1	20 A		Spare	58
59	Receptacle Exterior	3#10	20 A	1					540 VA	0 VA	1	20 A		Spare	60
61	Receptacle Exterior	3#10	20 A	1	540 VA	0 VA					1	20 A		Spare	62
63	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	64
65	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	66
67	Spare		20 A	1	0 VA	0 VA					--	--		Space	68
69	Spare		20 A	1			0 VA	0 VA			--	--		Space	70
71	Spare		20 A	1					0 VA	0 VA	--	--		Space	72
73	Space		--	--	0 VA	0 VA					--	--		Space	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78
79	PK1L1		50 A	3	1070	0 VA					--	--		Space	80
81	--		--	--			2050	0 VA			--	--		Space	82
83	--		--	--					1650	0 VA	--	--		Space	84
				Total Load:	14486 VA		15286 VA		15862 VA						
				Total Amps:	121 A		128 A		133 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	162 VA	85.00%	138 VA	
Motor	480 VA	80.00%	384 VA	**Total Conn. Load:** 45633 VA
Power	2000 VA	100.00%	2000 VA	**Total Est. Demand:** 24017 VA
Receptacle	42991 VA	50.00%	21496 VA	**Total Conn.:** 127 A
				Total Est. Demand: 67 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 12K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "C" PANEL LEGEND

MSB-C	C1H1	C1L1
	C1L2	

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - PANEL SCHEDULES

SHEET NUMBER
E027

394 of 458

3/9/2013 10:04:04 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: C2H1

Location: ELEC C211 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-C2L1	SEE RISER	175 A	3	23180 660 VA			1	20 A	3#12	Lighting C228	2
3	--		--	--		21320 660 VA		1	20 A	3#12	Lighting C222	4
5	--		--	--			24980 912 VA	1	20 A	3#12	Lighting C227	6
7	T-C2L2	SEE RISER	125 A	3	14108 644 VA			1	20 A	3#12	Lighting C225	8
9	--		--	--		14248 660 VA		1	20 A	3#12	Lighting C214	10
11	--		--	--			15320 660 VA	1	20 A	3#12	Lighting C212	12
13	Spare		20 A	1	0 VA 220 VA			1	20 A	3#12	Lighting C206	14
15	Spare		20 A	1		0 VA 646 VA		1	20 A	3#12	Lighting NL/ EM	16
17	Spare		20 A	1			0 VA 925 VA	1	20 A	3#12	Lighting C200	18
19	Spare		20 A	1	0 VA 1581			1	20 A	3#12	Lighting C211	20
21	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	22
23	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	26
27	Spare		20 A	1		0 VA 0 VA		--	--		Space	28
29	Space		--	--			0 VA 0 VA	--	--		Space	30
31	Space		--	--	0 VA 0 VA			--	--		Space	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	AHU-C1	3#10,1#10G	30 A	3	3875 0 VA			1	20 A		Spare	44
45	--		--	--		3875 0 VA		1	20 A		Spare	46
47	--		--	--			3875 0 VA	1	20 A		Spare	48
49	FCU	3#12	20 A	1	611 VA 0 VA			1	20 A		Spare	50
51	FCU	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	60
61	FCU	3#12	20 A	1	278 VA 0 VA			1	20 A		Spare	62
63	FCU	3#12	20 A	1		306 VA 0 VA		1	20 A		Spare	64
65	FCU	3#12	20 A	1			139 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		45574 VA	42549 VA	47645 VA					
			Total Amps:		166 A	154 A	174 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3419 VA	80.00%	2735 VA	
Lighting	7568 VA	85.00%	6433 VA	**Total Conn. Load:** 135407 VA
Motor	12105 VA	80.00%	9684 VA	**Total Est. Demand:** 78852 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:** 163 A
Power	7684 VA	100.00%	7684 VA	**Total Est. Demand:** 95 A
Receptacle	104631 VA	50.00%	52316 VA	

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 18K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C2L1

Location: ELEC C211 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 400

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C232 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle C231 NOTE 5	2
3	Receptacle C232 NOTE 5	3#10	20 A	1		900 VA 720 VA		1	20 A	3#10	Receptacle C231 NOTE 5	4
5	Receptacle C232 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle C231 NOTE 5	6
7	Receptacle C230 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle C229 NOTE 5	8
9	Receptacle C230 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle C229 NOTE 5	10
11	Receptacle C230 NOTE 5	3#10	20 A	1			180 VA 1500	1	20 A	3#10	Receptacle C229 NOTE 5	12
13	Receptacle C228 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C227 NOTE 5	14
15	Receptacle C228 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C227 NOTE 5	16
17	Receptacle C228 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle C227 NOTE 5	18
19	Receptacle C226 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C225 NOTE 5	20
21	Receptacle C226 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C225 NOTE 5	22
23	Receptacle C226 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle C225 NOTE 5	24
25	Receptacle C224 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C241 NOTE 5	26
27	Receptacle C224 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle C241 NOTE 5	28
29	Receptacle C224 NOTE 5	3#12	20 A	1			1500 540 VA	1	20 A	3#10	Receptacle C233 NOTE 5	30
31	Receptacle C222 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#10	Receptacle C233 NOTE 5	32
33	Receptacle C222 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle C200a NOTE	34
35	Receptacle C222 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle C239 NOTE 5	36
37	Receptacle C200a NOTE	3#12	20 A	1	360 VA 1500			1	20 A	3#12	Receptacle C237 NOTE 5	38
39	Receptacle C223 NOTE 5	3#12	20 A	1		1500 0 VA		1	20 A		Spare	40
41	Receptacle C221 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle C243 NOTE 5	3#12	20 A	1	1500 500 VA			1	20 A	3#10	Auto Door C231	44
45	Receptacle C219 NOTE 5	3#12	20 A	1		1500 500 VA		1	20 A	3#12	Auto Door C225	46
47	Receptacle C217 NOTE 5	3#12	20 A	1			1500 500 VA	1	20 A	3#12	Auto Door C220	48
49	Receptacle C215 NOTE 5	3#12	20 A	1	1500 2880			2	30 A	2#10,1#10N,1,10G	Washer / Dryer C220	50
51	Receptacle C220 NOTE	3#12	20 A	1		360 VA 2880		--	--		--	52
53	Spare		20 A	1			0 VA 2880	2	30 A	2#10,1#10N,1,10G	Washer / Dryer C220	54
55	Spare		20 A	1	0 VA 2880			--	--		--	56
57	Spare		20 A	1		0 VA 2880		2	30 A	2#10,1#10N,1,10G	Dryer C220	58
59	Spare		20 A	1			0 VA 2880	--	--		--	60
61	Spare		20 A	1	0 VA 1440			1	20 A	3#12	Washer C220	62
63	Spare		20 A	1		0 VA 480 VA		1	20 A	3#12	EDF	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		22820 VA	21320 VA	24980 VA					
			Total Amps:		192 A	178 A	210 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	480 VA	80.00%	384 VA	
Power	1500 VA	100.00%	1500 VA	**Total Conn. Load:** 69120 VA
Receptacle	67140 VA	50.00%	33570 VA	**Total Est. Demand:** 35454 VA
				Total Conn.: 192 A
				Total Est. Demand: 98 A

Notes:
1. 400A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C2L2

Location: ELEC C211 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C218 NOTE 5	3#10	20 A	1	900 VA 720 VA			1	20 A	3#10	Receptacle C200a NOTE	2
3	Receptacle C218 NOTE 5	3#10	20 A	1		900 VA 540 VA		1	20 A	3#12	Receptacle c200a NOTE 5	4
5	Receptacle C218 NOTE 5	3#10	20 A	1			1500 540 VA	1	20 A	3#12	Receptacle C202	6
7	Receptacle C216 NOTE 5	3#10	20 A	1	900 VA 180 VA			1	20 A	3#12	Receptacle C203	8
9	Receptacle C216 NOTE 5	3#10	20 A	1		900 VA 720 VA		1	20 A	3#12	Receptacle C200 NOTE	10
11	Receptacle C216 NOTE 5	3#10	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C211	12
13	Receptacle C214 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C207	14
15	Receptacle C214 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C207	16
17	Receptacle C214 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C207	18
19	Receptacle C212 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C207	20
21	Receptacle C212 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C207	22
23	Receptacle C212 NOTE 5	3#12	20 A	1			1500 540 VA	1	20 A	3#12	Receptacle C213 NOTE 5	24
25	Receptacle C210 NOTE 5	3#12	20 A	1	900 VA 720 VA			1	20 A	3#12	Receptacle C213 NOTE 5	26
27	Receptacle C210 NOTE 5	3#12	20 A	1		900 VA 500 VA		1	20 A	3#12	Auto Door C200	28
29	Receptacle C210 NOTE 5	3#12	20 A	1			1500 500 VA	1	20 A	3#12	Auto Door C200	30
31	Receptacle C208 NOTE 5	3#12	20 A	1	900 VA 2592			2	20 A		HK C203	32
33	Receptacle C208 NOTE 5	3#12	20 A	1		900 VA 2592		--	--		--	34
35	Receptacle C208 NOTE 5	3#12	20 A	1			1500 180 VA	1	20 A		Receptacle HK C203	36
37	Receptacle C206 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	38
39	Receptacle C206 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	40
41	Receptacle C206 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle C213 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	44
45	Receptacle C213 NOTE 5	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	46
47	Refrigerator C213	3#12	20 A	1			1440 0 VA	1	20 A		Spare	48
49	Oven C213	2#12,1#12G	20 A	2	1616 0 VA			1	20 A		Spare	50
51	--		--	--		1616 0 VA		1	20 A		Spare	52
53	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	54
55	Microwave C213	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	56
57	Microwave C213	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	58
59	Microwave C213	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		14108 VA	14248 VA	15320 VA					
			Total Amps:		118 A	119 A	128 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	6184 VA	100.00%	6184 VA	
Receptacle	37491 VA	50.00%	18746 VA	**Total Conn. Load:** 43675 VA
				Total Est. Demand: 24930 VA
				Total Conn.: 121 A
				Total Est. Demand: 69 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "C" PANEL LEGEND

C2H1 | C2L1 | C2L2

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - PANEL SCHEDULES

SHEET NUMBER
E028
395 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

3/9/2013 10:04:13 AM

Branch Panel: C3H1

Location: ELEC C311 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 480V | **Voltage L-N:** 277V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-C3L1	SEE RISER	125 A	3	22560 660 VA			1	20 A	3#12	Lighting C328	2
3	--		--	--		20460 660 VA		1	20 A	3#12	Lighting C322	4
5	--		--	--			23460 912 VA	1	20 A	3#12	Lighting C327	6
7	T-C3L2	SEE RISER	125 A	3	12776 644 VA			1	20 A	3#12	Lighting C325	8
9	--		--	--		13136 660 VA		1	20 A	3#12	Lighting C314	10
11	--		--	--			18780 660 VA	1	20 A	3#12	Lighting C312	12
13	Spare		20 A	1	0 VA 660 VA			1	20 A	3#12	Lighting C306	14
15	Spare		20 A	1		0 VA 522 VA		1	20 A	3#12	Lighting NL / EM	16
17	Spare		20 A	1			0 VA 877 VA	1	20 A	3#12	Lighting C200	18
19	Spare		20 A	1	0 VA 1425			1	20 A	3#12	Lighting C211	20
21	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	22
23	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	26
27	Spare		20 A	1		0 VA 0 VA		--	--		Space	28
29	Spare		20 A	1			0 VA 0 VA	--	--		Space	30
31	Space		--	--	0 VA 0 VA			--	--		Space	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	FCU		20 A	1	611 VA 0 VA			1	20 A		Spare	44
45	FCU		20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU		20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU		20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU		20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU		20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU		20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU		20 A	1		278 VA 0 VA		1	20 A		Spare	58
59	FCU		20 A	1			306 VA 0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA 0 VA			1	20 A		Spare	62
63	Space		--	--		0 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 40170 VA		36550 VA	45829 VA				
					Total Amps: 147 A		132 A	167 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3697 VA	80.00%	2958 VA		
Lighting	7680 VA	85.00%	6528 VA	**Total Conn. Load:**	122548 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	65215 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	147 A
Receptacle	110691 VA	50.00%	55346 VA	**Total Est. Demand:**	78 A

Notes:
1. 225A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 16K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C3L1

Location: ELEC C311 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C332 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle C329 NOTE 5	2
3	Receptacle C332 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle C329 NOTE 5	4
5	Receptacle C332 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle C329 NOTE 5	6
7	Receptacle C330 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C327 NOTE 5	8
9	Receptacle C330 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C327 NOTE 5	10
11	Receptacle C330 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C327 NOTE 5	12
13	Receptacle C328 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C325 NOTE 5	14
15	Receptacle C328 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C325 NOTE 5	16
17	Receptacle C328 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle C325 NOTE 5	18
19	Receptacle C326 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle C333 NOTE 5	20
21	Receptacle C326 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle C333 NOTE 5	22
23	Receptacle C326 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle C300a NOTE	24
25	Receptacle C324 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle C337 NOTE 5	26
27	Receptacle C324 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle C339 NOTE 5	28
29	Receptacle C324 NOTE 5	3#12	20 A	1			180 VA 1260	1	20 A	3#12	Receptacle C341 NOTE 5	30
31	Receptacle C322 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle C341 NOTE 5	32
33	Receptacle C322 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C300a NOTE	34
35	Receptacle C322 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C320 NOTE 5	36
37	Receptacle C331 NOTE 5	3#10	20 A	1	720 VA 1500			1	20 A	3#12	Receptacle C323 NOTE 5	38
39	Receptacle C331 NOTE 5	3#10	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle C321 NOTE 5	40
41	Receptacle C331 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C343 NOTE 5	42
43	Receptacle C319 NOTE 5	3#12	20 A	1	1500 2880			2	30 A	2#10,1#10N,1.10G	Washer / Dryer C320	44
45	Receptacle C317 NOTE 5	3#12	20 A	1		1500 2880		--	--		--	46
47	Spare		20 A	1			0 VA 2880	2	30 A	2#10,1#10N,1.10G	Washer / Dryer C320	48
49	Spare		20 A	1	0 VA 2880			--	--		--	50
51	Spare		20 A	1		0 VA 2880		2	30 A	2#10,1#10N,1.10G	Dryer C320	52
53	Spare		20 A	1			0 VA 2880	--	--		--	54
55	Spare		20 A	1	0 VA 1440			1	20 A	3#12	Washer C320	56
57	Spare		20 A	1		0 VA 480 VA		1	20 A	3#12	EDF	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 22560 VA		20460 VA	23460 VA				
					Total Amps: 191 A		171 A	198 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	66000 VA	50.00%	33000 VA	**Total Conn. Load:**	66480 VA
				Total Est. Demand:	33384 VA
				Total Conn.:	185 A
				Total Est. Demand:	93 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C3L2

Location: ELEC C311 | **Device:** BOLT ON | **Mounting:** SURFACE | **OC Type:** CIRCUIT BREAKER | **Enclosure:** NEMA 1 | **Comments:** | **Voltage L-L:** 208V | **Voltage L-N:** 120V | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C318 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C304 NOTE 5	2
3	Receptacle C318 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C304 NOTE 5	4
5	Receptacle C318 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C304 NOTE 5	6
7	Receptacle C316 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C302 NOTE 5	8
9	Receptacle C316 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C302 NOTE 5	10
11	Receptacle C316 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C302 NOTE 5	12
13	Receptacle C314 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle C300a NOTE	14
15	Receptacle C314 NOTE 5	3#12	20 A	1		900 VA 720 VA		1	20 A	3#12	Receptacle C300 NOTE 5	16
17	Receptacle C314 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle C300 NOTE 5	18
19	Receptacle C312 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C311	20
21	Receptacle C312 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C307	22
23	Receptacle C312 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C307	24
25	Receptacle C310 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C307	26
27	Receptacle C310 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C307	28
29	Receptacle C310 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C307	30
31	Receptacle C308 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	32
33	Receptacle C308 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	34
35	Receptacle C308 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	36
37	Receptacle C306 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	38
39	Receptacle C306 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	40
41	Receptacle C306 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle C313 NOTE 5	3#12	20 A	1	540 VA 0 VA			1	20 A		Spare	44
45	Receptacle C313 NOTE 5	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle C315 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle C313 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle C313 NOTE 5	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Refrigerator C313	3#12	20 A	1			1440 0 VA	1	20 A		Spare	54
55	Oven C213	2#12,1#12G	20 A	2	1616 0 VA			1	20 A		Spare	56
57	--		--	--		1616 0 VA		1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	60
61	Microwave C313	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave C313	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Microwave C313	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
					Total Load: 12776 VA		13136 VA	18780 VA				
					Total Amps: 106 A		110 A	157 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44691 VA	50.00%	22346 VA		
				Total Conn. Load:	44691 VA
				Total Est. Demand:	22346 VA
				Total Conn.:	124 A
				Total Est. Demand:	62 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "C" PANEL LEGEND

C3H1 | C3L1 | C3L2 |

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - PANEL SCHEDULES

SHEET NUMBER
E029

396 of 458

3/9/2013 10:04:23 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: C4H1

Location: ELEC C411 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-C4L1	SEE RISER	175 A	3	24000 660 VA			1	20 A	3#12	Lighting C428	2
3	--		--	--		19020 660 VA		1	20 A	3#12	Lighting C422	4
5	--		--	--			24780 912 VA	1	20 A	3#12	Lighting C427	6
7	T-C4L2	SEE RISER	125 A	3	12776 644 VA			1	20 A	3#12	Lighting C425	8
9	--		--	--		13136 660 VA		1	20 A	3#12	Lighting C414	10
11	--		--	--			18780 660 VA	1	20 A	3#12	Lighting C412	12
13	Spare		20 A	1	0 VA 660 VA			1	20 A	3#12	Lighting C406	14
15	Spare		20 A	1		0 VA 522 VA		1	20 A	3#12	Lighting NL / EM	16
17	Spare		20 A	1			0 VA 877 VA	1	20 A	3#12	Lighting C200	18
19	Spare		20 A	1	0 VA 1425			1	20 A	3#12	Lighting C211	20
21	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	22
23	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	26
27	Spare		20 A	1		0 VA 0 VA		--	--		Space	28
29	Spare		20 A	1			0 VA 0 VA	--	--		Space	30
31	Space		--	--	0 VA 0 VA			--	--		Space	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 0 VA	--	--		Space	42
43	FCU		20 A	1	611 VA 0 VA			1	20 A		Spare	44
45	FCU		20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU		20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU		20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU		20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU		20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU		20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU		20 A	1		278 VA 0 VA		1	20 A		Spare	58
59	FCU		20 A	1			306 VA 0 VA	1	20 A		Spare	60
61	Space		--	--	0 VA 0 VA			1	20 A		Spare	62
63	Space		--	--		0 VA 0 VA		1	20 A		Spare	64
65	Space		--	--			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		41610 VA	35110 VA	47149 VA					
			Total Amps:		154 A	127 A	174 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3697 VA	80.00%	2958 VA		
Lighting	7680 VA	85.00%	6528 VA	**Total Conn. Load:**	123868 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	65875 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	149 A
Receptacle	112011 VA	50.00%	56006 VA	**Total Est. Demand:**	79 A

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 16K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C4L1

Location: ELEC C411 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C432 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle C429 NOTE 5	2
3	Receptacle C432 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle C429 NOTE 5	4
5	Receptacle C432 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle C429 NOTE 5	6
7	Receptacle C430 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C427 NOTE 5	8
9	Receptacle C430 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C427 NOTE 5	10
11	Receptacle C430 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C427 NOTE 5	12
13	Receptacle C428 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C425 NOTE 5	14
15	Receptacle C428 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C425 NOTE 5	16
17	Receptacle C428 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle C425 NOTE 5	18
19	Receptacle C426 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle C433 NOTE 5	20
21	Receptacle C426 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle C433 NOTE 5	22
23	Receptacle C426 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle C400a NOTE	24
25	Receptacle C424 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle C437 NOTE 5	26
27	Receptacle C424 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle C439 NOTE 5	28
29	Receptacle C424 NOTE 5	3#12	20 A	1			1500 1260	1	20 A	3#12	Receptacle C441 NOTE 5	30
31	Receptacle C422 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle C441 NOTE 5	32
33	Receptacle C422 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C400a NOTE	34
35	Receptacle C422 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C420 NOTE 5	36
37	Receptacle C431 NOTE 5	3#10	20 A	1	720 VA 1500			1	20 A	3#12	Receptacle C423 NOTE 5	38
39	Receptacle C431 NOTE 5	3#10	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle C421 NOTE 5	40
41	Receptacle C431 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C443 NOTE 5	42
43	Receptacle C419 NOTE 5	3#12	20 A	1	1500 2880			2	30 A	2#10,1#10N,1.10G	Washer / Dryer C420	44
45	Receptacle C417 NOTE 5	3#12	20 A	1		1500 2880		--	--		--	46
47	Spare		20 A	1			0 VA 2880	2	30 A	2#10,1#10N,1.10G	Washer / Dryer C420	48
49	Spare		20 A	1	0 VA 2880			--	--		--	50
51	Spare		20 A	1		0 VA 1440		1	20 A	3#12	Washer C420	52
53	Spare		20 A	1			0 VA 2880	2	30 A	2#10,1#10N,1.10G	Dryer C420	54
55	Spare		20 A	1	0 VA 2880			--	--		--	56
57	Spare		20 A	1		0 VA 480 VA		1	20 A	3#12	EDF	58
59	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		24000 VA	19020 VA	24780 VA					
			Total Amps:		206 A	159 A	213 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Receptacle	67320 VA	50.00%	33660 VA	**Total Conn. Load:**	67800 VA
				Total Est. Demand:	34044 VA
				Total Conn.:	188 A
				Total Est. Demand:	94 A

Notes:
1. 400A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C4L2

Location: ELEC C411 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C418 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C404 NOTE 5	2
3	Receptacle C418 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C404 NOTE 5	4
5	Receptacle C418 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C404 NOTE 5	6
7	Receptacle C416 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C402 NOTE 5	8
9	Receptacle C416 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C402 NOTE 5	10
11	Receptacle C416 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C402 NOTE 5	12
13	Receptacle C414 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#12	Receptacle C400a NOTE	14
15	Receptacle C414 NOTE 5	3#12	20 A	1		900 VA 720 VA		1	20 A	3#12	Receptacle C400a NOTE	16
17	Receptacle C414 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle C400 NOTE 5	18
19	Receptacle C412 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C411	20
21	Receptacle C412 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C403	22
23	Receptacle C412 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C403	24
25	Receptacle C410 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C403	26
27	Receptacle C410 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C403	28
29	Receptacle C410 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C403	30
31	Receptacle C408 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	32
33	Receptacle C408 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	34
35	Receptacle C408 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	36
37	Receptacle C406 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	38
39	Receptacle C406 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	40
41	Receptacle C406 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle C413 NOTE 5	3#12	20 A	1	540 VA 0 VA			1	20 A		Spare	44
45	Receptacle C413 NOTE 5	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle C414 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	48
49	Receptacle C413 NOTE 5	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle C413 NOTE 5	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Refrigerator C413	3#12	20 A	1			1440 0 VA	1	20 A		Spare	54
55	Oven C413	2#12,1#12G	20 A	2	1616 0 VA			1	20 A		Spare	56
57	--		--	--		1616 0 VA		1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	60
61	Microwave C413	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave C413	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Microwave C413	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		12776 VA	13136 VA	18780 VA					
			Total Amps:		106 A	110 A	157 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44691 VA	50.00%	22346 VA		
				Total Conn. Load:	44691 VA
				Total Est. Demand:	22346 VA
				Total Conn.:	124 A
				Total Est. Demand:	62 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "C" PANEL LEGEND

C4H1 | C4L1 | C4L2 |

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Post Office Box 7370 (38802) | Mississippi CA: # E-00000775
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - PANEL SCHEDULES

SHEET NUMBER
E030

397 of 458

3/9/2013 10:04:33 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Branch Panel: C5H1

Location: ELEC C511 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 480V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 277V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	T-C5L1	SEE RISER	175 A	3	23040 588 VA			1	20 A	3#12	Room C528, C532, C530	2
3	--		--	--		20480 588 VA		1	20 A	3#12	Room C526, C524, C522	4
5	--		--	--			25280 840 VA	1	20 A	3#12	Room C529, C527, C531,	6
7	T-C5L2	SEE RISER	125 A	3	13496 596 VA			1	20 A	3#12	Room C525, C539, C537,	8
9	--		--	--		13136 588 VA		1	20 A	3#12	Room C518, C516, C514	10
11	--		--	--			17460 588 VA	1	20 A	3#12	Room C512, C510, C508	12
13	ELEVATOR - NOTE 7	3#8,1#10G	40 A	3	9643 588 VA			1	20 A	3#12	Room C504, C502, C506	14
15	--		--	--		9643 640 VA		1	20 A	3#12	Lighting LOBBY C500	16
17	--		--	--			9643 877 VA	1	20 A	3#12	Other	18
19	ELEVATOR - NOTE 7	3#8,1#10G	40 A	3	9418 1425			1	20 A	3#12	Lighting	20
21	--		--	--		9418 0 VA		1	20 A		Spare	22
23	--		--	--			9418 0 VA	1	20 A		Spare	24
25	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	26
27	Spare		20 A	1		0 VA 0 VA		--	--		Space	28
29	Spare		20 A	1			0 VA 0 VA	--	--		Space	30
31	Space		--	--	0 VA 0 VA			--	--		Space	32
33	Space		--	--		0 VA 0 VA		--	--		Space	34
35	Space		--	--			0 VA 0 VA	--	--		Space	36
37	Space		--	--	0 VA 0 VA			--	--		Space	38
39	Space		--	--		0 VA 0 VA		--	--		Space	40
41	Space		--	--			0 VA 649 VA	1	20 A	3#10	Lighting	42
43	FCU	3#12	20 A	1	611 VA 0 VA			1	20 A		Spare	44
45	FCU	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	46
47	FCU	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	48
49	FCU	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	50
51	FCU	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	52
53	FCU	3#12	20 A	1			417 VA 0 VA	1	20 A		Spare	54
55	FCU	3#12	20 A	1	417 VA 0 VA			1	20 A		Spare	56
57	FCU	3#12	20 A	1		417 VA 0 VA		1	20 A		Spare	58
59	FCU	3#12	20 A	1			306 VA 0 VA	1	20 A		Spare	60
61	Spare		20 A	1	0 VA 0 VA			1	20 A		Spare	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		60239 VA	55744 VA	65895 VA					
			Total Amps:		220 A	201 A	240 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	3836 VA	80.00%	3069 VA		
Lighting	7967 VA	85.00%	6772 VA	**Total Conn. Load:**	181878 VA
Motor	480 VA	80.00%	384 VA	**Total Est. Demand:**	124114 VA
Other	0 VA	0.00%	0 VA	**Total Conn.:**	219 A
Power	58184 VA	100.00%	58184 VA	**Total Est. Demand:**	149 A
Receptacle	111411 VA	50.00%	55706 VA		

Notes:
1. 400A MLO LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) #2 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE WATTHOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.
6. BREAKERS #1 AND #2 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.
7. PROVIDE SHUNT-TRIP BREAKER AND CONNECTION TO FIRE ALARM / FIRE PROTECTION SYSTEM.

Branch Panel: C5L1

Location: ELEC C511 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C532 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#10	Receptacle DOUBLE C529	2
3	Receptacle C532 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#10	Receptacle DOUBLE C529	4
5	Receptacle C532 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#10	Receptacle DOUBLE C529	6
7	Receptacle C530 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle DOUBLE C527	8
9	Receptacle C530 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle DOUBLE C527	10
11	Receptacle C530 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle DOUBLE C527	12
13	Receptacle C528 NOTE 5	3#12	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle BATH C	14
15	Receptacle C528 NOTE 5	3#12	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle BATH C	16
17	Receptacle C528 NOTE 5	3#12	20 A	1			1500 1500	1	20 A	3#12	Receptacle HC DOUBLE	18
19	Receptacle C526 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#10	Receptacle STUDY C533	20
21	Receptacle C526 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#10	Receptacle STUDY C533	22
23	Receptacle C526 NOTE 5	3#12	20 A	1			1500 900 VA	1	20 A	3#10	Receptacle CORRIDOR-1	24
25	Receptacle C524 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle TOILET C537	26
27	Receptacle C524 NOTE 5	3#12	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle TOILET C539	28
29	Receptacle C524 NOTE 5	3#12	20 A	1			1500 1260	1	20 A	3#12	Receptacle SINGLE RA	30
31	Receptacle C522 NOTE 5	3#12	20 A	1	900 VA 1500			1	20 A	3#12	Receptacle SINGLE RA	32
33	Receptacle C522 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle CORRIDOR-1	34
35	Receptacle C522 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle LAUNDRY	36
37	Receptacle C531 NOTE 5	3#10	20 A	1	720 VA 1500			1	20 A	3#12	Receptacle TOILET C523	38
39	Receptacle C531 NOTE 5	3#10	20 A	1		900 VA 1500		1	20 A	3#12	Receptacle TOILET C521	40
41	Receptacle C531 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle TOILET C543	42
43	Receptacle C519 NOTE 5	3#12	20 A	1	1500 2880			2	20 A	2#10,1#10N,1.10G	Washer / Dryer C520	44
45	Receptacle C517 NOTE 5	3#12	20 A	1		1500 2880		--	--		--	46
47	Spare		20 A	1			0 VA 2880	2	20 A	2#10,1#10N,1.10G	Washer / Dryer C520	48
49	Spare		20 A	1	0 VA 2880			--	--		--	50
51	Spare		20 A	1		0 VA 2880		2	20 A	2#10,1#10N,1.10G	Dryer	52
53	Spare		20 A	1			0 VA 2880	--	--		--	54
55	Spare		20 A	1	0 VA 1440			1	20 A	3#12	Washer	56
57	Spare		20 A	1		0 VA 500 VA		1	20 A	3#12	ELEVATOR	58
59	Spare		20 A	1			0 VA 500 VA	1	20 A	3#12	ELEVATOR	60
61	Spare		20 A	1	0 VA 480 VA			1	20 A	3#12	EDF	62
63	Spare		20 A	1		0 VA 0 VA		1	20 A		Spare	64
65	Spare		20 A	1			0 VA 0 VA	1	20 A		Spare	66
67	Space		--	--	0 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		23040 VA	20480 VA	25280 VA					
			Total Amps:		195 A	171 A	214 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	480 VA	80.00%	384 VA		
Power	1000 VA	100.00%	1000 VA	**Total Conn. Load:**	68800 VA
Receptacle	67320 VA	50.00%	33660 VA	**Total Est. Demand:**	35044 VA
				Total Conn.:	191 A
				Total Est. Demand:	97 A

Notes:
1. 400A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) #2 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

Branch Panel: C5L2

Location: ELEC C511 | **OC Type:** CIRCUIT BREAKER | **Voltage L-L:** 208V
Device: BOLT ON | **Enclosure:** NEMA 1 | **Voltage L-N:** 120V
Mounting: SURFACE | **Comments:** | **Amperage:** 225A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size	Circuit Description	CKT
1	Receptacle C518 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C504 NOTE 5	2
3	Receptacle C518 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C504 NOTE 5	4
5	Receptacle C518 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C504 NOTE 5	6
7	Receptacle C516 NOTE 5	3#10	20 A	1	900 VA 900 VA			1	20 A	3#12	Receptacle C502 NOTE 5	8
9	Receptacle C516 NOTE 5	3#10	20 A	1		900 VA 900 VA		1	20 A	3#12	Receptacle C502 NOTE 5	10
11	Receptacle C516 NOTE 5	3#10	20 A	1			1500 1500	1	20 A	3#12	Receptacle C502 NOTE 5	12
13	Receptacle C514 NOTE 5	3#12	20 A	1	900 VA 540 VA			1	20 A	3#12	Receptacle C500a NOTE	14
15	Receptacle C514 NOTE 5	3#12	20 A	1		900 VA 720 VA		1	20 A	3#12	Receptacle C500a NOTE	16
17	Receptacle C514 NOTE 5	3#12	20 A	1			1500 720 VA	1	20 A	3#12	Receptacle C500 NOTE 5	18
19	Receptacle C512 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C511	20
21	Receptacle C512 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C503	22
23	Receptacle C512 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C503	24
25	Receptacle C510 NOTE 5	3#12	20 A	1	900 VA 360 VA			1	20 A	3#12	Receptacle C503	26
27	Receptacle C510 NOTE 5	3#12	20 A	1		900 VA 360 VA		1	20 A	3#12	Receptacle C503	28
29	Receptacle C510 NOTE 5	3#12	20 A	1			1500 360 VA	1	20 A	3#12	Receptacle C503	30
31	Receptacle C508 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	32
33	Receptacle C508 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	34
35	Receptacle C508 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	36
37	Receptacle C506 NOTE 5	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	38
39	Receptacle C506 NOTE 5	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	40
41	Receptacle C506 NOTE 5	3#12	20 A	1			1500 0 VA	1	20 A		Spare	42
43	Receptacle C513 NOTE 5	3#12	20 A	1	540 VA 0 VA			1	20 A		Spare	44
45	Receptacle C513 NOTE 5	3#12	20 A	1		720 VA 0 VA		1	20 A		Spare	46
47	Receptacle C515 NOTE 5	3#12	20 A	1			180 VA 0 VA	1	20 A		Spare	48
49	Receptacle KITCHEN-1	3#12	20 A	1	360 VA 0 VA			1	20 A		Spare	50
51	Receptacle KITCHEN-1	3#12	20 A	1		360 VA 0 VA		1	20 A		Spare	52
53	Refrigerator C513		20 A	1			1440 0 VA	1	20 A		Spare	54
55	Oven C513	2#12,1#12G	20 A	2	1616 0 VA			1	20 A		Spare	56
57	--		--	--		1616 0 VA		1	20 A		Spare	58
59	SHUNT TRIP OVEN		--	--			0 VA 0 VA	1	20 A		Spare	60
61	Microwave C513	3#12	20 A	1	900 VA 0 VA			1	20 A		Spare	62
63	Microwave C513	3#12	20 A	1		900 VA 0 VA		1	20 A		Spare	64
65	Microwave C513	3#12	20 A	1			900 VA 0 VA	1	20 A		Spare	66
67	Receptacle Attic	3#10	20 A	1	720 VA 0 VA			--	--		Space	68
69	Space		--	--		0 VA 0 VA		--	--		Space	70
71	Space		--	--			0 VA 0 VA	--	--		Space	72
73	Space		--	--	0 VA 0 VA			--	--		Space	74
75	Space		--	--		0 VA 0 VA		--	--		Space	76
77	Space		--	--			0 VA 0 VA	--	--		Space	78
79	Space		--	--	0 VA 0 VA			--	--		Space	80
81	Space		--	--		0 VA 0 VA		--	--		Space	82
83	Space		--	--			0 VA 0 VA	--	--		Space	84
			Total Load:		13496 VA	13136 VA	17460 VA					
			Total Amps:		113 A	109 A	146 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	44091 VA	50.00%	22046 VA		
				Total Conn. Load:	44091 VA
				Total Est. Demand:	22046 VA
				Total Conn.:	122 A
				Total Est. Demand:	61 A

Notes:
1. 225A MCB LIGHTING AND APPLIANCE PANEL.
2. PANEL SHALL BE BRACED FOR 10K AIC MINIMUM.
3. TWO SECTION PANEL. PROVIDE (2) #2 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.
5. PROVIDE ARC-FAULT BREAKERS FOR ALL AREAS AS SPECIFIED IN NEC 210.12
6. MAIN BREAKER SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.

BUILDING "C" PANEL LEGEND

C5H1 | C5L1 | C5L2 |

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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING "C" - PANEL SCHEDULES

SHEET NUMBER
E031

398 of 458

3/9/2013 10:04:47 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

Panel	SP1L1				OC Type	CIRCUIT BREAKER					Voltage L-L	208
Device	MAIN BREAKER				Enclosure	NEMA 3R					Voltage L-N	120
Mounting	SURFACE				Comments	SPIRIT PARK					Amperage	225

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	RECEPTS-SPIRIT PARK*	3	1200	(3)#12	20	1	A	A	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK*	2
3	RECEPTS-SPIRIT PARK*	3	1200	(3)#12	20	1	B	B	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK*	4
5	RECEPTS-SPIRIT PARK*	3	1200	(3)#10	20	1	C	C	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK*	6
7	RECEPTS-SPIRIT PARK*	3	1200	(3)#2	20	1	A	A	1	20	(3)#3	1200	3	RECEPTS-SPIRIT PARK*	8
9	RECEPTS-SPIRIT PARK**	3	1200	(3)#2	20	1	B	B	1	20	(3)#12	1200	3	RECEPTS-SPIRIT PARK**	10
11	RECEPTS-SPIRIT PARK**	3	1200	(3)#1	20	1	C	C	1	20	(3)#12	1200	3	RECEPTS-SPIRIT PARK**	12
13	RECEPTS-SPIRIT PARK**	3	1200	(3)#6	20	1	A	A	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK**	14
15	RECEPTS-SPIRIT PARK**	3	1200	(3)#6	20	1	B	B	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK**	16
17	RECEPTS-SPIRIT PARK**	3	1200	(3)#6	20	1	C	C	1	20	(3)#4	1200	3	RECEPTS-SPIRIT PARK**	18
19	RECEPTS-SPIRIT PARK**	3	1200	(3)#4	20	1	A	A	1	20	(3)#3	1200	3	RECEPTS-SPIRIT PARK**	20
21	RECEPTS-SPIRIT PARK**	3	1200	(3)#4	20	1	B	B	1	20				SPARE	22
23	RECEPTS-SPIRIT PARK**	3	1200	(3)#4	20	1	C	C	1	20				SPARE	24
25	SPARE				20	1	A	A	1	20				SPARE	26
27	SPARE				20	1	B	B	1	20				SPARE	28
29	SPARE				20	1	C	C	1	20				SPARE	30
31	SPARE				20	1	A	A	1	20				SPARE	32
33	SPARE				20	1	B	B	1	20				SPARE	34
35	SPARE				20	1	C	C	1	20				SPARE	36
37	SPACE					1	A	A	1					SPACE	38
39	SPACE					1	B	B	1					SPACE	40
41	SPACE					1	C	C	1					SPACE	42

Phase A	9600 VA	
Phase B	8400 VA	
Phase C	8400 VA	
Total kVa=	26.4 Demand kVa	13.2
Total Amps	73.3 Demand Amps	36.6

NOTES:
1. 150A MAIN BREAKER LIGHTING & APPL. PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. PANEL EQUIPPED WITH DOOR-IN-DOOR ENCLOSURE.
4. NOT USED.
*PROVIDE AS PART OF ALTERNATE #5. OTHERWISE SPARE CIRCUIT BREAKER.
**PROVIDE AS PART OF ALTERNATE #6. OTHERWISE SPARE CIRCUIT BREAKER.

Panel	MDPCP				OC Type	CIRCUIT BREAKER					Voltage L-L	480
Device	MLO				Enclosure	NEMA 1					Voltage L-N	277
Mounting	FREE STANDING				Comments	CENTRAL PLANT					Amperage	3000

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	CHILLER CH-1 (ALT#1)	8	161705	SEE RISER	1200	3	A	A	3	1200	SEE RISER	161705	8	CHILLER CH-2 (ALT#1)	2
3	SEE NOTE 3	8	161705	-	-	-	B	B	-	-	-	161705	8	SEE NOTE 3	4
5	-	8	161705	-	-	-	C	C	-	-	-	161705	8	-	6
7	CHILLER CH-3 (ALT#2)	8	99766	SEE RISER	500	3	A	A	3	450	SEE RISER	100043	7	TRANSFORMER TBH	8
9	SEE NOTE 4	8	99766	-	-	-	B	B	-	-	-	100043	7	SERVES BH EXISTING	10
11	-	8	99766	-	-	-	C	C	-	-	-	100043	7	SWITCHBOARD MDPBH	12
13	PANEL CP1H1	7	127368	SEE RISER	600	3	A	A	3	300	SEE RISER	40178	7	PANEL CP1H2	14
15	-	7	127368	-	-	-	B	B	-	-	-	39115	7	-	16
17	-	7	127368	-	-	-	C	C	-	-	-	37019	7	-	18
19	TRANSFORMER TSP	7	9600	SEE RISER	70	3	A	A	3	125	SEE RISER	1200	7	UPS-D (CP1L2)	20
21	SERVES SP1L1	7	8400	-	-	-	B	B	-	-	-	800	7	-	22
23		7	8400	-	-	-	C	C	-	-	-	800	7	-	24
25	GENERATOR BKR (62G)	7			2500	3	A	A	3	225				SPARE	26
27	-	7			-	-	B	B	-	-				-	28
29	-	7			-	-	C	C	-	-				-	30
31	SPARE				225	3	A	A	3	225				SPARE	32
33	-				-	-	B	B	-	-				-	34
35	-				-	-	C	C	-	-				-	36
37	SPACE					3	A	A	3					SPACE	38
39	-					-	B	B	-					-	40
41	-					-	C	C	-					-	42

Phase A	701565 VA	
Phase B	698902 VA	
Phase C	696806 VA	
Total kVa=	2097.3 Demand kVa	1677.8
Total Amps	2522.6 Demand Amps	2018.1

NOTES:
1. 3000A MAIN BREAKER QED TYPE SWITCHBOARD
2. SWITCHBOARD SHALL BE BRACED FOR 65K AIC MINIMUM.
3. PROVIDE 700A/3P CIRCUIT BREAKER FOR BASE BID UNIT.
4. PROVIDE AS 700A/3P SPARE BREAKER IF ALTERNATE #2 NOT TAKEN.
5. NOT USED.

Panel	MVDP1				OC Type	CIRCUIT BREAKER					Voltage L-L	12470
Device	MAIN BREAKER (62UH)				Enclosure	NEMA 3R					Voltage L-N	7200
Mounting	FREE STANDING				Comments	CENTRAL PLANT					Amperage	1200

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	TRANSFO1MER TA	7		SEE RISER	100	3	A	A	3	100	SEE RISER		7	TRANSFORMER TB	2
3	SERVES EUILDING "A"	7		-	-	-	B	B	-	-	-		7	SERVES BUILDING "B"	4
5	-	7		-	-	-	C	C	-	-	-		7	-	6
7	TRANSFO1MER TC	7		SEE RISER	60	3	A	A	3	150	SEE RISER		7	TRANSFORMER TCP	8
9	SERVES EUILDING "C"	7		-	-	-	B	B	-	-	-		7	SERVES CENTRAL PLANT	10
11	-	7		-	-	-	C	C	-	-	-		7	& FIRE PUMP	12
13	SPACE				100	3	A	A	3	100				SPACE	14
15	-				-	-	B	B	-	-				-	16
17	-				-	-	C	C	-	-				-	18

Phase A	0 VA	
Phase B	0 VA	
Phase C	0 VA	
Total kVa=	0.0 Demand kVa	0.0
Total Amps	0.0 Demand Amps	0.0

NOTES:
1. 1200A MLO MEDIUM VOLTAGE DISTRIBUTION PANEL.
2. PANEL SHALL BE BRACED FOR 65K AIC MIN.
3. SEE SPECIFICATION SECTION 261150.
4. NOT USED.
5. NOT USED.

Panel	PK1L1				OC Type	CIRCUIT BREAKER					Voltage L-L	208
Device	MAIN BREAKER				Enclosure	NEMA 1					Voltage L-N	120
Mounting	RECESSED				Comments	POLICE KIOSK					Amperage	100

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	RECEPTS-PK001	3	400	(3)#12	20	1	A	A	1	20	(3)#12	70	2	LIGHTS-PK001	2
3	RECEPTS-PK001	3	400	(3)#12	20	1	B	B	2	15	(2)#12,(1)#12G.	1250	8	PTAC-PK001	4
5	RECEPTS-PK001	3	400	(3)#12	20	1	C	C	-	-	-	1250	8	-	6
7	RECEPTS-PK001	3	600	(3)#12	20	1	A	A	1	20				SPARE	8
9	RECEPTS-EXTERIOR	3	400	(3)#12	20	1	B	B	1	20				SPARE	10
11	SPARE				20	1	C	C	1	20				SPARE	12
13	SPARE				20	1	A	A	1	20				SPARE	14
15	SPARE				20	1	B	B	1	20				SPARE	16
17	SPARE				20	1	C	C	1	20				SPARE	18
19	SPARE				20	1	A	A	1	20				SPARE	20
21	SPARE				20	1	B	B	1	20				SPARE	22
23	SPARE				20	1	C	C	1	20				SPARE	24
25	SPACE					1	A	A	1					SPACE	26
27	SPACE					1	B	B	1					SPACE	28
29	SPACE					1	C	C	1					SPACE	30

Phase A	1070 VA	
Phase B	2050 VA	
Phase C	1650 VA	
Total kVa=	4.8 Demand kVa	3.2
Total Amps	13.2 Demand Amps	8.8

NOTES:
1. 50A MAIN BREAKER - LOAD CENTER
2. PANCL SHALL BE BRACED FOR 14K AIC MIN.
3. PANCL EQUIPPED WITH DOOR-IN-DOOR ENCLOSURE.
4. FEED FROM PANEL C1L2 IN BUILDING "C".

Panel	CP1H1 (SECTION 1)				OC Type	CIRCUIT BREAKER					Voltage L-L	480
Device	MLO				Enclosure	NEMA 1					Voltage L-N	277
Mounting	SURFACE				Comments	CENTRAL PLANT					Amperage	600

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	COOLING TOWER #1 (CT-1)	9	11085	3#4,1#8G	80	3	A	A	3	80	3#4,1#8G	11085	9	COOLING TOWER #2 (CT-2)	2
3	SEE NOTE #5	9	11085	-	-	-	B	B	-	-	-	11085	9	SEE NOTE #5	4
5	-	9	11085	-	-	-	C	C	-	-	-	11085	9	-	6
7	BASIN HEATERS (CT#1)	5	11085	3#8,1#10G	50	3	A	A	3	50	3#8,1#10G	11085	5	BASIN HEATERS (CT#2)	8
9	SEE NOTE #6	5	11085	-	-	-	B	B	-	-	-	11085	5	SEE NOTE #6	10
11	-	5	11085	-	-	-	C	C	-	-	-	11085	5	-	12
13	CHP-1	9	5820	3#8,1#10G	40	3	A	A	3	40	3#8,1#10G	5820	9	CHP-2	14
15	SEE NOTE #7	9	5820	-	-	-	B	B	-	-	-	5820	9	SEE NOTE #7	16
17	-	9	5820	-	-	-	C	C	-	-	-	5820	9	-	18
19	CWP-1	10	18013	3#2,1#6G	100	3	A	A	3	100	3#2,1#6G	18013	9	CWP-2	20
21	SEE NOTE #8	10	18013	-	-	-	B	B	-	-	-	18013	9	SEE NOTE #8	22
23	-	10	18013	-	-	-	C	C	-	-	-	18013	9	-	24
25	CHS-1	9	14411	3#3,1#8G	90	3	A	A	3	20*	3#12,1#12G	3048	9	CWP-3 (ALT. 2)	26
27	-	9	14411	-	-	-	B	B	-	-	-	3048	9	-	28
29	-	9	14411	-	-	-	C	C	-	-	-	3048	9	-	30
31	CHS-2	9	14411	3#3,1#8G	90	3	A	A	3	20*	3#12,1#12G	3048	9	CHP-3 (ALT. 2)	32
33	-	9	14411	-	-	-	B	B	-	-	-	3048	9	-	34
35	-	9	14411	-	-	-	C	C	-	-	-	3048	9	-	36
37	SPACE					3	A	A	3					SPACE	38
39	-					-	B	B	-					-	40
41	-					-	C	C	-					-	42

Phase A	126924 VA	127368	TOTAL PANEL VA PHASE "A"	
Phase B	126924 VA	127368	TOTAL PANEL VA PHASE "B"	
Phase C	126924 VA	127368	TOTAL PANEL VA PHASE "C"	
Total kVa=	382.1 Demand kVa	333.3		
Total Amps	459.6 Demand Amps	400.9		

NOTES:
1. 600A MLO POWER PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. TWO SECTION PANEL - SECTION 1 OF 2
4. ** PROVIDE AS SPARE CIRCUIT BREAKER IF ALTERNATE NOT TAKEN.
5. FOR BASE BID - PROVIDE 70A/3P CIRCUIT BREAKER.
6. FOR BASE BID - PROVIDE 30A/3P CIRCUIT BREAKER.
7. FOR BASE BID - PROVIDE 25A/3P CIRCUIT BREAKER.
8. FOR BASE BID - PROVIDE 90A/3P CIRCUIT BREAKER.

Panel	CP1H1 (SECTION 2)				OC Type	CIRCUIT BREAKER					Voltage L-L	480
Device	MLO				Enclosure	NEMA 1					Voltage L-N	277
Mounting	SURFACE				Comments	CENTRAL PLANT					Amperage	600

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
43	EF-1CP	9	444	3#12,1#12G	15	3	A	A	3					SPACE	44
45	-	9	444	-	-	-	B	B	-					-	46
47	-	9	444	-	-	-	C	C	-					-	48
49	SPACE					3	A	A	3					SPACE	50
51	-					-	B	B	-					-	52
53	-					-	C	C	-					-	54
55	SPACE					3	A	A	3					SPACE	56
57	-					-	B	B	-					-	58
59	-					-	C	C	-					-	60
61	SPACE					3	A	A	3					SPACE	62
63	-					-	B	B	-					-	64
65	-					-	C	C	-					-	66
67	SPACE					3	A	A	3					SPACE	68
69	-					-	B	B	-					-	70
71	-					-	C	C	-					-	72
73	SPACE					3	A	A	3					SPACE	74
75	-					-	B	B	-					-	76
77	-					-	C	C	-					-	78
79	SPACE					3	A	A	3					SPACE	80
81	-					-	B	B	-					-	82
83	-					-	C	C	-					-	84

Phase A	444 VA	
Phase B	444 VA	
Phase C	444 VA	
Total kVa=	1.3 Demand kVa	1.1
Total Amps	1.6 Demand Amps	1.3

NOTES:
1. 600A MLO POWER PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. TWO SECTION PANEL - SECTION 2 OF 2
4. NOT USED.
5. NOT USED.

Panel	CP1L2				OC Type	CIRCUIT BREAKER					Voltage L-L	208
Device	MLO				Enclosure	GENERATOR					Voltage L-N	120
Mounting	GENERATOR				Comments	GENERATOR LOAD CENTER					Amperage	60

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	GEN. JACKET HEATER	4	1000	(3)#12	20	1	A	A	1	20			3	SPARE	2
3	GEN. STRIP HEATER	4	1000	(3)#12	20	1	B	B	1	20			3	SPARE	4
5	GENERATOR LIGHTS	2	600	(3)#12	20	1	C	C	1	20	(3)#12	400	3	GENERATOR RECEPTACLES	6
7	SPARE				20	1	A	A	1	20				SPARE	8
9	SPARE				20	1	B	B	1	20				SPARE	10
11	SPARE				20	1	C	C	1	20				SPARE	12
13	SPARE				20	1	A	A	1	20				SPARE	14
15	SPARE				20	1	B	B	1	20				SPARE	16
17	SPARE				20	1	C	C	1	20				SPARE	18
19	SPARE				20	1	A	A	1	20				SPARE	20
21	SPARE				20	1	B	B	1	20				SPARE	22
23	SPARE				20	1	C	C	1	20				SPARE	24
25	SPACE					1	A	A	1					SPACE	26
27	SPACE					1	B	B	1					SPACE	28
29	SPACE					1	C	C	1					SPACE	30

Phase A	1000 VA	
Phase B	1000 VA	
Phase C	1000 VA	
Total kVa=	3.0 Demand kVa	2.7
Total Amps	8.3 Demand Amps	7.5

NOTES:
1. 60A MLO GENERATOR LOAD CENTER PANEL.
2. PANEL SHALL BE BRACED FOR 14K AIC MIN.
3. FEED FROM PANEL CP1L1.
4. NOT USED.

Panel	CP1H2 (SECTION 1)				OC Type	CIRCUIT BREAKER					Voltage L-L	480
Device	MLO				Enclosure	NEMA 1					Voltage L-N	277
Mounting	SURFACE				Comments	CENTRAL PLANT					Amperage	400

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	HTS-1	10	11085	3#4,1#8G	80	3	A	A	3	25	3#10,1#10G	3880	9	HTS-2	2
3	-	10	11085	-	-	-	B	B	-	-	-	3880	9	-	4
5	-	10	11085	-	-	-	C	C	-	-	-	3880	9	-	6
7	PUMP #1 (P-1)	9	832	3#12,1#12G	15	3	A	A	3	15	3#12,1#12G	832	9	PUMP #2 (P-2)	8
9	-	9	832	-	-	-	B	B	-	-	-	832	9	-	10
11	-	9	832	-	-	-	C	C	-	-	-	832	9	-	12
13	PUMP #3 (P-3)	9	832	3#12,1#12G	15	3	A	A	3	15	3#12,1#12G	832	9	PUMP #4 (P-4)	14
15	-	9	832	-	-	-	B	B	-	-	-	832	9	-	16
17	-	9	832	-	-	-	C	C	-	-	-	832	9	-	18
19	SPARE				15	3	A	A	3	15				SPARE	20
21	-				-	-	B	B	-	-				-	22
23	-				-	-	C	C	-	-				-	24
25	SPARE				60	3	A	A	3	40	3#8,1#10G	5820	9	DWBP-1	26
27	-				-	-	B	B	-	-	-	5820	9	-	28
29	-				-	-	C	C	-	-	-	5820	9	-	30
31	SPARE				60	3	A	A	1	20	(3)#12	1200	2	LIGHTS-EXTERIOR	32
33	-					-	B	B	1	20	(3)#12	3150	2	LIGHTS-CP003	34
35	-					-	C	C	1	20	(3)#12	1260	2	LIGHTS-CP010	36
37	SPARE				100	3	A	A	1	15	2#12,1#12G	333	5	FCU-1CP	38
39	-				-	-	B	B	1	15	2#12,1#12G	100	5	FCU-2CP	40
41	-				-	-	C	C	1	20				SPARE	42

Phase A	25646 VA	40178	TOTAL PANEL VA PHASE "A"	
Phase B	27363 VA	39115	TOTAL PANEL VA PHASE "B"	
Phase C	25373 VA	37019	TOTAL PANEL VA PHASE "C"	
Total kVa=	116.3 Demand kVa	108.3		
Total Amps	139.9 Demand Amps	130.3		

NOTES:
1. 400A MLO POWER PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. TWO SECTION PANEL - SECTION 1 OF 2
4. NOT USED.
5. NOT USED.

Panel	CP1H2 (SECTION 2)				OC Type	CIRCUIT BREAKER					Voltage L-L	480
Device	MLO				Enclosure	NEMA 1					Voltage L-N	277
Mounting	SURFACE				Comments	CENTRAL PLANT					Amperage	400

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
43	PANEL CP1L1	7	14532	SEE RISER	125	3	A	A	3					SPACE	44
45	-	7	11752	-	-	-	B	B	-					-	46
47	-	7	11646	-	-	-	C	C	-					-	48
49	SPACE					3	A	A	3					SPACE	50
51	-					-	B	B	-					-	52
53	-					-	C	C	-					-	54
55	SPACE					3	A	A	3					SPACE	56
57	-					-	B	B	-					-	58
59	-					-	C	C	-					-	60
61	SPACE					3	A	A	3					SPACE	62
63	-					-	B	B	-					-	64
65	-					-	C	C	-					-	66
67	SPACE					3	A	A	3					SPACE	68
69	-					-	B	B	-					-	70
71	-					-	C	C	-					-	72
73	SPACE					3	A	A	3					SPACE	74
75	-					-	B	B	-					-	76
77	-					-	C	C	-					-	78
79	SPACE					3	A	A	3					SPACE	80
81	-					-	B	B	-					-	82
83	-					-	C	C	-					-	84

Phase A	14532 VA	
Phase B	11752 VA	
Phase C	11646 VA	
Total kVa=	37.9 Demand kVa	30.3
Total Amps	45.6 Demand Amps	36.5

NOTES:
1. 400A MLO POWER PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. TWO SECTION PANEL - SECTION 2 OF 2
4. NOT USED.
5. NOT USED.

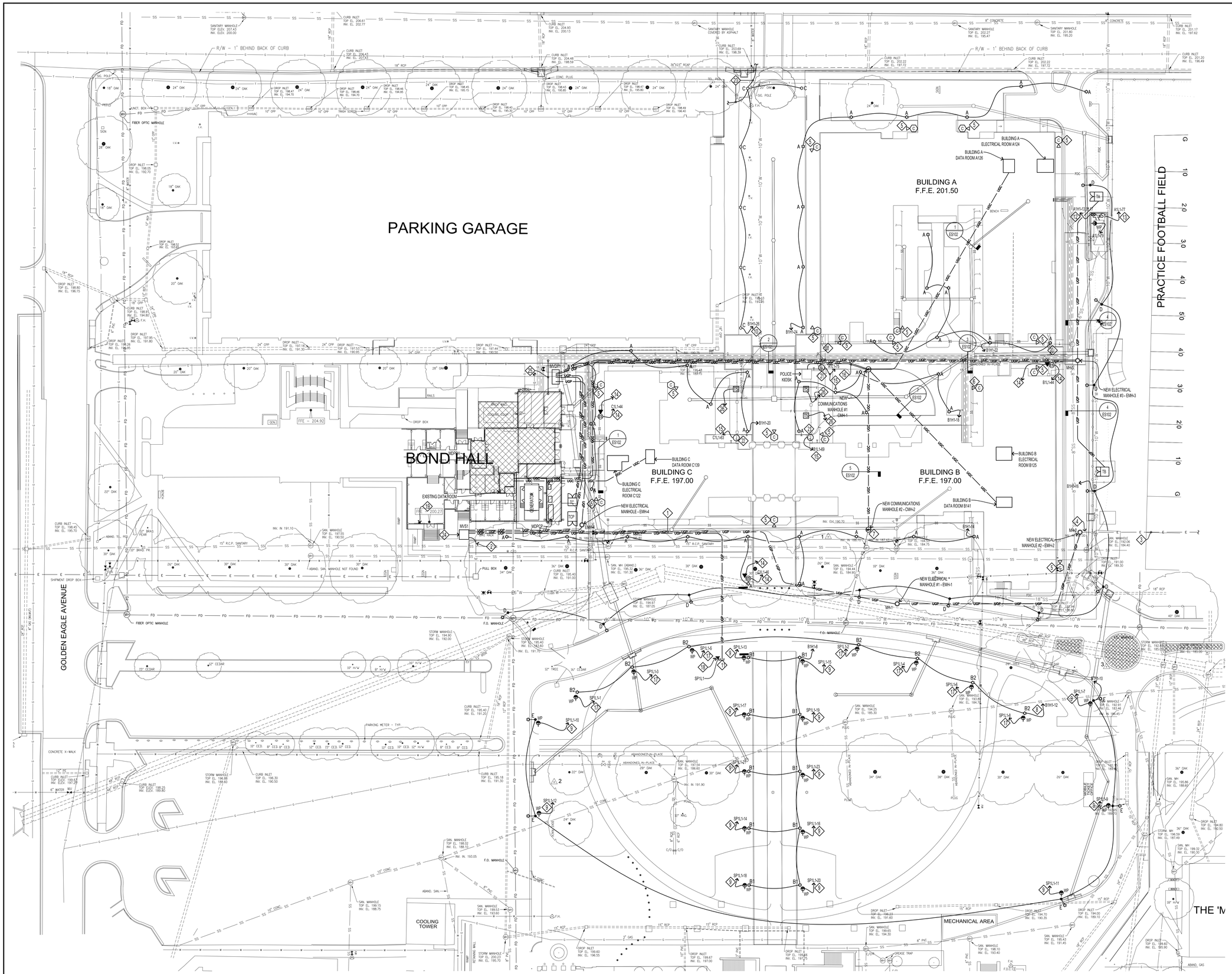
Panel	CP1L1 (SECTION 1)				OC Type	CIRCUIT BREAKER					Voltage L-L	208
Device	MAIN BREAKER				Enclosure	NEMA 1					Voltage L-N	120
Mounting	SURFACE				Comments	CENTRAL PLANT					Amperage	225

Ckt No.	Description	Type	Load	Remarks	CB	Pole	PH	PH	Pole	CB	Remarks	Load	Type	Description	Ckt No.
1	UPS-MV BATTERY CHARGER	5	1800	(2)#12,#12G	20	1	A	A	1	20	(2)#12,#12G	1680	5	BOILER #1 (B-1)	2
3	MVDP1 ENCLOSURE HEATER	4	1800	(2)#12,#12G	20	1	B	B	1	20	(2)#12,#12G	1680	5	BOILER #2 (B-2)	4
5	RECEPTS-CP011	3	200	(3)#12	20	1	C	C	1	20	(2)#12,#12G	1680	5	BOILER #3 (B-3)	6
7	RECEPTS-CP010	3	1000	(3)#12	20	1	A	A	1	20	(2)#12,#12G	1680	5	BOILER #4 (B-4)	8
9	RECEPTS-CP009	3	600	(3)#12	20	1	B	B	1	20	(2)#12,#12G	1000	3	RECEPT - CP AREA	10
11	RECEPTS-CP007	3	600	(3)#12	20	1	C	C	1	20	(2)#12,#12G	800	3	RECEPT - CP AREA	12
13	RECEPTS-CP007	3	600	(3)#12	20	1	A	A	1	20	(2)#12,#12G	600	3	RECEPT - CP AREA	14
15	RECEPTS-EXTERIOR	3	400	(3)#12	20	1	B	B	1	20	(2)#12,#12G	600	3	RECEPT - CP AREA	16
17	RECEPTS-CP008	3	600	(3)#12	20	1	C	C	1	20	(2)#12,#12G	800	3	RECEPT - CP AREA	18
19	RECEPTS-EXTERIOR	3	400	(3)#12	20	1	A	A	1	20	(2)#12,#12G	800	3	RECEPT - CP AREA	20
21	RECEPTS-EXTERIOR	3	400	(3)#12	20	1	B	B	1	20	(2)#12,#12G	800	3	RECEPT - CP AREA	22
23	RECEPTS-EXTERIOR	3	600	(3)#12	20	1	C	C	1	20	(2)#12,#12G	530	5	WH-CP1-CP001	24
25	HWUH-1	5	336	(2)#12,#12G	20	1	A	A	1	20	(2)#12,#12G	1000	4	HEAT TRACE-EXTERIOR	26
27	HWUH-2	5	336	(2)#12,#12G	20	1	B	B	1	20	(2)#12,#12G	1000	4	HEAT TRACE-EXTERIOR	28
29	HWUH-3	5	336	(2)#12,#12G	20	1	C	C	1	20	(2)#12,#12G	1000	4	HEAT TRACE-EXTERIOR	30
31	HWUH-4	5	336	(2)#12,#12G	20	1	A	A	1	20	(2)#12,#12G	1000	4	HEAT TRACE-EXTERIOR	32
33	HWUH-5	5	336	(2)#12,#12G	20	1	B	B	1	20	(2)#12,#12G	600	3	RECEPT-CP009	34
35	BLDG CONTROL PANEL-CP010	5	400	(3)#12	20	1	C	C	2	30	(3)#10,#10G	1500	5	DATA	36
37	PANEL CP1L2	7	1000	SEE RISER	60	3	A	A	-			1500	5	-	38
39	GENERATOR LOAD CENTER	7	1000	-	-	-	B	B	1	20	(2)#12,#12G	200	5	EF-1CP THERMOSTAT-CP001	40
41	-	7	1000	-	-	-	C	C	1	20	(2)#12,#12G	200	5	EF-1CP REFRIG DETECTOR	42

Phase A	13732 VA	14532	TOTAL PANEL VA PHASE "A"	
Phase B	10752 VA	11752	TOTAL PANEL VA PHASE "B"	
Phase C	10246 VA	11646	TOTAL PANEL VA PHASE "C"	
Total kVa=	37.9 Demand kVa	29.0		
Total Amps	105.3 Demand Amps	80.4		

NOTES:
1. 225A MLO LIGHTING & APPL. PANEL.
2. PANEL SHALL BE BRACED FOR 20K AIC MIN.
3. TWO SECTION PANEL - SECTION 1 OF 2
4. PANEL EQUIPPED WITH DOOR-IN-DOOR ENCLOSURE.
5. NOT USED.

| Panel | CP1L1 (SECTION 2) | | | | OC Type | CIRCUIT BREAKER | | | | |



A1	SITE PLAN - ELECTRICAL	NORTH
1"=30'-0"		

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JOSEPH D. LEGGE — REGISTERED ENGINEER — 15189 — STATE OF MISSISSIPPI

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION & NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR, UNIVERSITY PHYSICAL FACILITIES, EXISTING SYSTEMS AND OTHER TRADES.
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

HATCH LEGEND

- EXISTING CENTRAL PLANT - BOND HALL
- CENTRAL PLANT ADDITION - BOND HALL

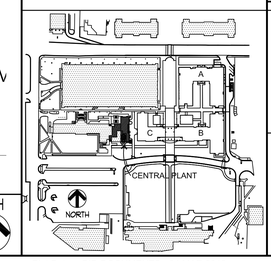
KEYNOTES

1. (2) EMPTY 6" CONDUITS FOR FUTURE MEDIUM VOLTAGE CABLING.
2. INTERCEPT EXISTING MV CIRCUIT #7 CURRENTLY FEEDING BOND HALL TRANSFORMER VAULT AND REROUTE CONDUCTORS TO MVS1. ABANDON EXISTING UNDERGROUND CONDUIT FROM THIS LOCATION TO BOND HALL TRANSFORMER VAULT. SEE POWER RISER DIAGRAM ON SHEET E004.
3. (2) EXISTING 4" CONDUITS WITH NEW MV CABLING. SEE SHEET ES104.
4. LOCATE TERMINATION OF (2) EXISTING EMPTY 4" CONDUITS (ALSO SEE KEYNOTE #3) AND EXTEND CONDUITS TO NEW ELECTRICAL MANHOLE.
5. MOUNT EXTERIOR CCTV CAMERA AT 14'-0" A.F.F.
6. MOUNT EXTERIOR CCTV CAMERA AT 22'-0" A.F.F.
7. EXTEND EXISTING COMMUNICATIONS CONDUITS TO NEW COMMUNICATIONS MANHOLE. REMOVE EXISTING COMMUNICATIONS CABLING BACK TO SOURCE.
8. LIGHT FIXTURES ASSOCIATED WITH THIS HOMERUN CIRCUIT ARE TO BE PROVIDED AS PART OF ALTERNATE #5. LIGHTING CIRCUIT TO BE PROVIDED AS PART OF ALTERNATE #5.
9. PROVIDE POLE MOUNTED RECEPTACLES AS SHOWN. RECEPTACLE & POWER CIRCUIT IS TO BE PROVIDED AS PART OF ALTERNATE #6.
10. PROVIDE NEW LIGHTING CIRCUIT FOR EXISTING POLE LIGHTS TO REMAIN. APPLIES TO ALL LIGHT FIXTURES ASSOCIATED WITH THIS HOMERUN. REMOVE EXISTING LIGHTING CIRCUIT BACK TO SOURCE. MAINTAIN ANY EXISTING SHARED CIRCUITS SERVING OTHER AREAS.
11. PROVIDE (1) 4" EMPTY CONDUIT WITH PULL STRING & CAP FOR FUTURE SPIRIT PARK ELECTRICAL SERVICE.
12. PROVIDE POWER CONNECTION TO TRASH COMPACTOR. PROVIDE 30A/3P, NEMA 3R STARTER/DISCONNECT WITH 25A FUSE. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MANUFACTURER.
13. PROVIDE POWER CONNECTION TO TRASH COMPACTOR CONTROL CIRCUIT. PROVIDE 20A/1P, NEMA 3R MANUAL STARTER FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MANUFACTURER.
14. PROVIDE POWER & VOICE/DATA CONNECTIONS TO CODE BLUE STATION. PROVIDE 20A/1P MANUAL STARTER CONCEALED WITHIN STATION FOR MEANS OF POWER DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MANUFACTURER. PROVIDE 1" CONDUIT TO DATA ROOM IN ADJACENT BUILDING & TERMINATE. SEE SPECIFICATION SECTION 27100.
15. PROVIDE POWER CONNECTION TO AUTOMATIC GATE. PROVIDE MANUAL STARTER IN CONTROL PANEL COMPARTMENT FOR MEANS OF DISCONNECT. THIS WORK SHALL BE PREFORMED AS PART OF ALTERNATE #7. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MANUFACTURER.
16. PROVIDE (2) 2" CONDUITS FROM COMMUNICATIONS MANHOLE TO POLICE KIOSK FOR VOICE/DATA CABLE. ROUTE CONDUIT TO BUILDING "B" DATA ROOM B141. SEE DUCT BANK SECTION DETAIL #7 ON SHEET E102.
17. PROVIDE POLE MOUNTED RECEPTACLES AS SHOWN. RECEPTACLE & POWER CIRCUIT IS TO BE PROVIDED AS PART OF ALTERNATE #5.
18. PROVIDE RACK MOUNTED NEMA 3R PANEL SPIL1 AS SHOWN. PROVIDE PAINTED STEEL MOUNTING FRAME SECURED TO NEW GATE FOOTER WITH ADDITIONAL PANEL MOUNTING CONCRETE PAD. SUBMIT DESIGN FOR PAINTED STEEL MOUNTING FRAME TO ENGINEER FOR APPROVAL.
19. PROVIDE FIRE ALARM CONTROL PANEL FOR BOND HALL. ALL NEW DEVICES WILL BE CONNECTED TO THIS PANEL. PROVIDE TROUBLE & ALARM CONNECTIONS FROM THE EXISTING FIRE ALARM CONTROL PANEL TO NEW FIRE ALARM CONTROL PANEL. THE EXISTING FIRE ALARM CONTROL PANEL IS ADJACENT TO THIS LOCATION.
20. HOMERUN ACCESS CONTROL CIRCUIT FOR GATE TO BUILDING "A" ACCESS CONTROL ROOM A127. SEE ELECTRICAL GATE DETAILS ON SHEET E004.
21. HOMERUN ACCESS CONTROL CIRCUIT FOR GATE TO BUILDING "B" ACCESS CONTROL ROOM B123. SEE ELECTRICAL GATE DETAILS ON SHEET E004.
22. HOMERUN ACCESS CONTROL CIRCUIT FOR GATE TO BUILDING "C" ACCESS CONTROL ROOM C115. SEE ELECTRICAL GATE DETAILS ON SHEET E004.
23. DISCONNECT & REMOVE EXISTING ELECTRICAL BRANCH CIRCUIT TO PARKING DECK & CPN.
24. COORDINATE EXACT PLACEMENT OF MV SWITCH WITH ENGINEER PRIOR TO PLACEMENT. SWITCH TO BE 10'-0" MINIMUM AWAY FROM ANY ADJACENT SURFACE ON DOOR ACCESS SIDE.
25. PROVIDE 2" EMPTY CONDUIT BELOW GRADE WITH PULL CORD FOR FUTURE WATER METERING. EXTEND FROM CENTRAL PLANT TO WATER METER PIT.
26. PROVIDE FIRE ALARM CONNECTION TO PIV TAMPER SWITCH. PROVIDE 1" CONDUIT WITH FIRE ALARM CABLING FROM CORRESPONDING BUILDING FIRE ALARM SYSTEM CONTROL PANEL TO BUILDING DEDICATED PIV.

LINETYPE LEGEND

- UGP — UNDERGROUND PRIMARY
- UGC — UNDERGROUND COMMUNICATIONS
- E — EXISTING UNDERGROUND ELECTRICAL
- FO — EXISTING UNDERGROUND FIBER OPTIC CABLE

KEY PLAN



THE McCARTY COMPANY
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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: • 2012020
DRAWN BY: • JDG
CHECKED BY: • JDL
DATE ISSUED: • 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
SITE PLAN ELECTRICAL

SHEET NUMBER
ES100
400 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

GENERAL PROJECT NOTES:

A. THE ROUTING OF NEW UNDERGROUND ELECTRICAL WORK SHALL BE CLOSELY COORDINATED WITH THE PROFESSIONAL AND OWNER.

B. THE ROUTING OF UNDERGROUND DUCTS IS SHOWN FOR BIDDING PURPOSES AND THE ACTUAL ROUTING SHALL BE CLOSELY COORDINATED AND VERIFIED BY THE PROFESSIONAL AND USM PHYSICAL PLANT DEPT. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION.

C. ANY DAMAGE TO ANY EXISTING UTILITY SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE PROFESSIONAL, OWNER AND USM PHYSICAL PLANT DEPARTMENT AND IN A TIMELY MANNER RESPONSIVE TO THE SEVERITY OF THE DISRUPTION.

D. ALL NEW OR REWORKED PRIMARY CONDUCTORS ROUTED THROUGH MANHOLES AND/OR PULL BOXES, SHALL INCLUDE 3 LOOPS OF CABLE (OR AS ALLOWED FOR EXISTING CABLES) AROUND THE INSIDE PERIMETER OF THE MANHOLE/PULLBOX.

E. CABLES SHALL NOT BE SPLICED EXCEPT WHERE SPECIFICALLY NOTED ON PLANS AS "SPLICED" OR WITH APPROVAL FROM THE PROFESSIONAL. WHEN CABLES ARE SPLICED, CONTRACTOR SHALL RETAIN AS MUCH LENGTH OF EXISTING CABLE AS POSSIBLE.

F. ALL NEW 15KV CABLES SHALL BE HI-POT TESTED PER THE SPECIFICATIONS. ALL EXISTING 15KV CABLES THAT ARE REWORKED OR HAVE NEW ELBOW TERMINATIONS INSTALLED, SHALL ALSO BE HI-POT TESTED PER THE SPECIFICATIONS.

G. ALL ELECTRICAL OUTAGES SHALL BE COORDINATED WITH THE OWNER AND PROFESSIONAL PER THE SPECIFICATIONS.

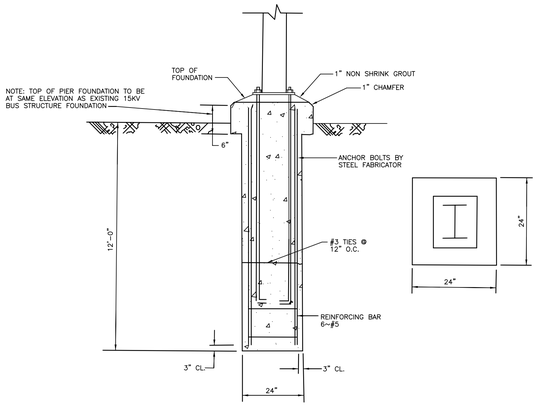
H. ALL NEW CONDUCTORS/CABLES SHALL BE COPPER.

I. ALL NEW OR REWORKED PRIMARY CONDUITS AND/OR DUCT BANKS SHALL BE ENCASED IN CONCRETE PER THE SPECIFICATIONS.

J. ALL NEW OR REPLACED PRIMARY CABLING SHALL BE #4/0.

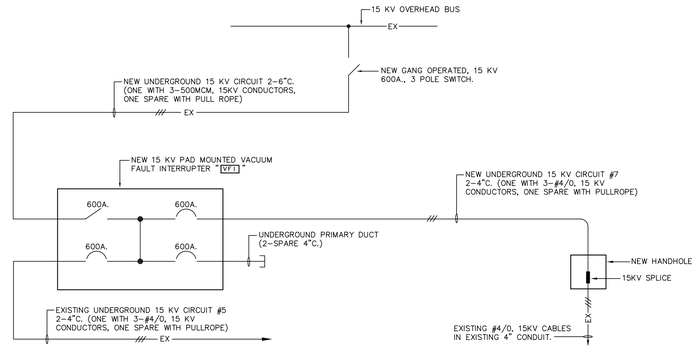
LEGEND

EUP	EXISTING UNDERGROUND PRIMARY
NUP	NEW UNDERGROUND PRIMARY
X	ON ANY EQUIPMENT OR CONDUIT/DUCT BANK MEANS ITEM TO BE REMOVED.
EX	BY ANY EQUIPMENT MEANS EQUIPMENT IS EXISTING.



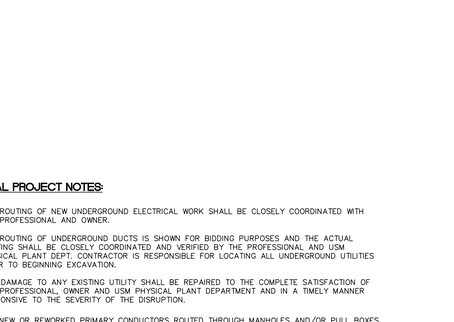
STEEL RISER STRUCTURE PIER FOUNDATION DETAIL

NO SCALE



PARTIAL PRIMARY ONE-LINE SUBSTATION "VFI"

NO SCALE



SECTION "A-A" THRU ELEC. PRIMARY DUCT BANK DETAIL

NO SCALE

GENERAL DUCT BANK NOTES:

ELECTRICAL PRIMARY & SECONDARY SERVICE ENTRANCE CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED ON THE PLANS. ALL BENDS SHALL BE LONG RADIUS, GALVANIZED RIGID STEEL CONDUIT. CONVERT TO GALVANIZED RIGID STEEL CONDUIT FOR RISERS ABOVE EXISTING/FINISHED GRADE.

MINIMUM SPACING FROM CENTER TO CENTER OF CONDUITS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

PROVIDE MARKER TAPE 12" BELOW FINISHED GRADE. CONDUITS SHALL BE A MINIMUM OF 36" BELOW FINISHED GRADE.

BACKFILL ABOVE THE DUCTBANK TO BE COMPACTED IN 6" LAYERS. MOUND BACKFILL ON FINISHED GRADE FOR SETTLEMENT.

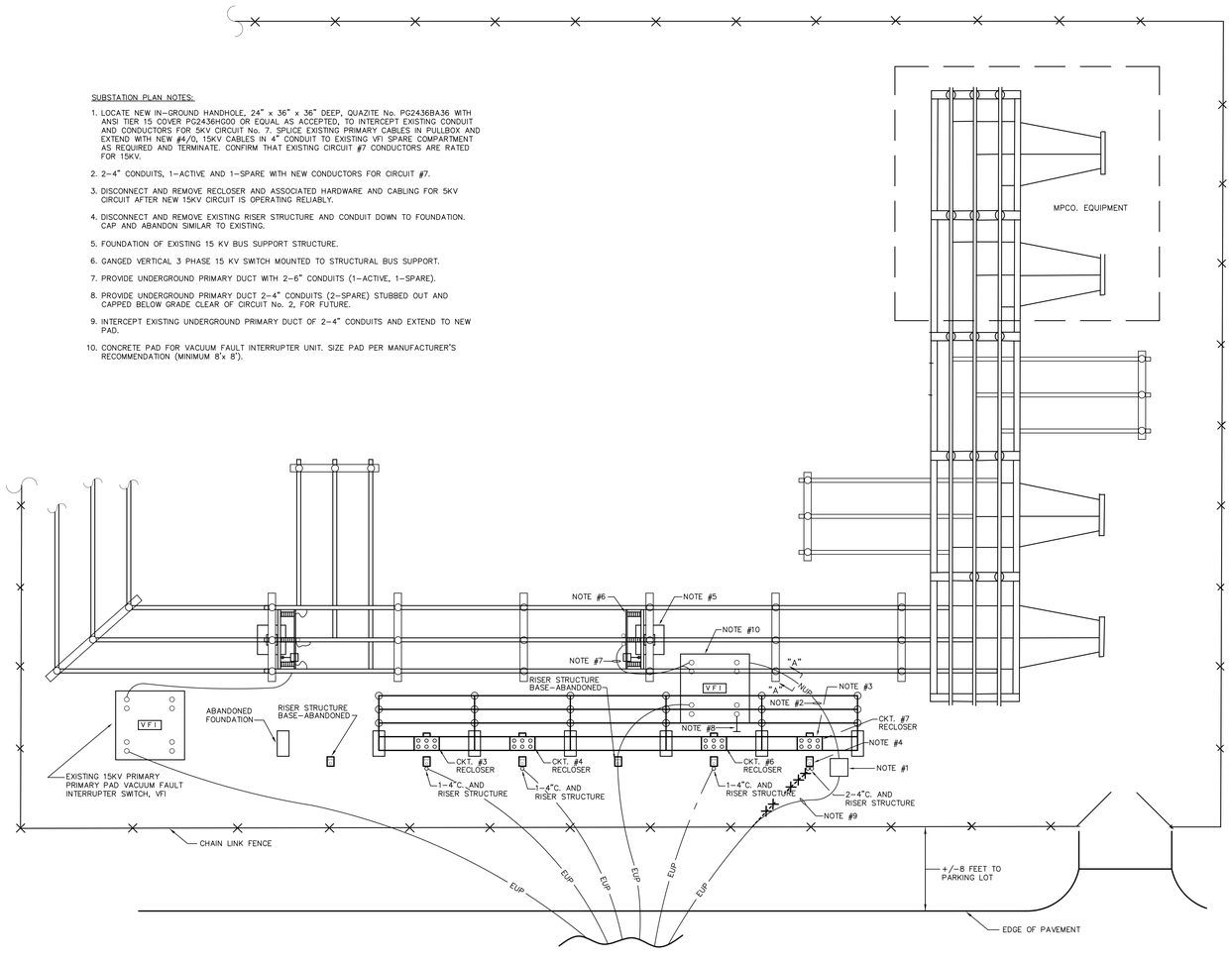
PROVIDE A MINIMUM OF 24" SEPARATION BETWEEN ALL COMMUNICATIONS CONDUITS AND THE NEAREST POWER CONDUITS. MEASUREMENT TO BE MADE BETWEEN OUTSIDE WALLS OF CONDUITS.

ALL EMPTY DUCT BANK CONDUITS TO HAVE NYLON PULL CORDS INSTALLED.

SEE SPECIFICATIONS FOR CONCRETE ENCASEMENT REQUIREMENTS FOR DUCT BANKS SHOWN ON DRAWINGS TO BE CONCRETE ENCASED.

SUBSTATION PLAN NOTES:

1. LOCATE NEW IN-GROUND HANDHOLE, 24" x 36" x 36" DEEP, QUAZITE No. PG2436BA36 WITH ANSI TIER 15 COVER PG2436HG00 OR EQUAL AS ACCEPTED, TO INTERCEPT EXISTING CONDUIT AND CONDUCTORS FOR 5KV CIRCUIT No. 7. SPLICE EXISTING PRIMARY CABLES IN PULLBOX AND EXTEND WITH NEW #4/0, 15KV CABLES IN 4" CONDUIT TO EXISTING VFI SPARE COMPARTMENT AS REQUIRED AND TERMINATE. CONFIRM THAT EXISTING CIRCUIT #7 CONDUCTORS ARE RATED FOR 15KV.
2. 2-4" CONDUITS, 1-ACTIVE AND 1-SPARE WITH NEW CONDUCTORS FOR CIRCUIT #7.
3. DISCONNECT AND REMOVE RECLOSER AND ASSOCIATED HARDWARE AND CABLING FOR 5KV CIRCUIT AFTER NEW 15KV CIRCUIT IS OPERATING RELIABLY.
4. DISCONNECT AND REMOVE EXISTING RISER STRUCTURE AND CONDUIT DOWN TO FOUNDATION. CAP AND ABANDON SIMILAR TO EXISTING.
5. FOUNDATION OF EXISTING 15 KV BUS SUPPORT STRUCTURE.
6. GANGED VERTICAL 3 PHASE 15 KV SWITCH MOUNTED TO STRUCTURAL BUS SUPPORT.
7. PROVIDE UNDERGROUND PRIMARY DUCT WITH 2-6" CONDUITS (1-ACTIVE, 1-SPARE).
8. PROVIDE UNDERGROUND PRIMARY DUCT 2-4" CONDUITS (2-SPARE) STUBBED OUT AND CAPPED BELOW GRADE CLEAR OF CIRCUIT No. 2, FOR FUTURE.
9. INTERCEPT EXISTING UNDERGROUND PRIMARY DUCT OF 2-4" CONDUITS AND EXTEND TO NEW PAD.
10. CONCRETE PAD FOR VACUUM FAULT INTERRUPTER UNIT. SIZE PAD PER MANUFACTURER'S RECOMMENDATION (MINIMUM 8'x 8').



USM SUB STATION - PLAN VIEW

NO SCALE

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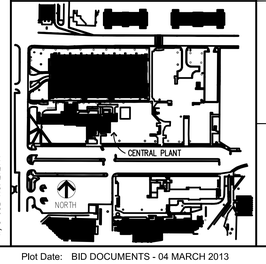
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: • 2012020
DRAWN BY: • DWV.
CHECKED BY: • S.D.S.
DATE ISSUED: • 04 MAR 2013

REVISIONS & ADDENDUMS

KEY PLAN

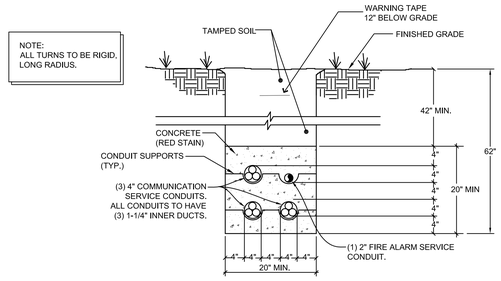


SHEET TITLE
SUB STATION PLAN VIEW AND DETAILS

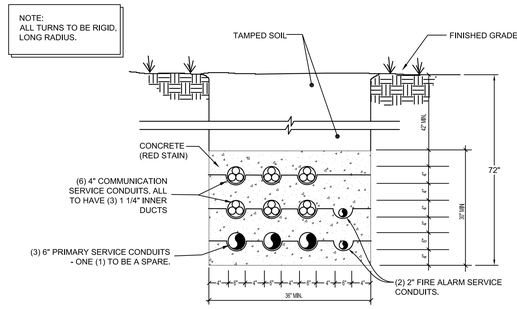
SHEET NUMBER
ES101
401 of 458

W/O JOB NO. 21211

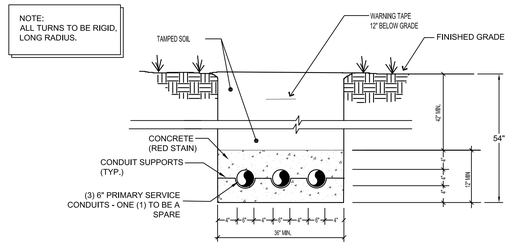
Plot Date: BID DOCUMENTS - 04 MARCH 2013



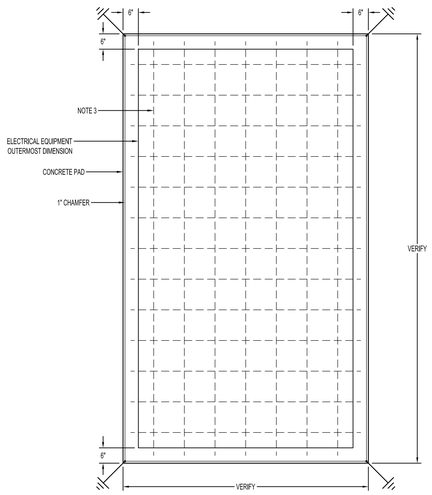
1 ES102 COMMUNICATIONS DUCTBANK DETAIL
SCALE: N.T.S.



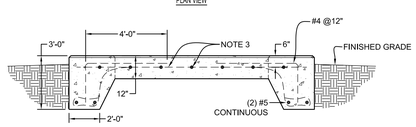
2 ES102 PRIMARY & COMMUNICATIONS DUCTBANK DETAIL
SCALE: N.T.S.



3 ES102 PRIMARY DUCTBANK DETAIL
SCALE: N.T.S.



PLAN VIEW

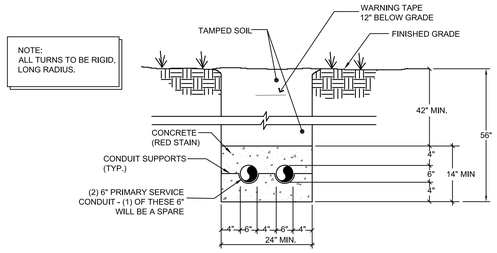


SIDE VIEW

NOTES:

1. COORDINATE EXACT SIZE OF CONCRETE PAD WITH EQUIPMENT MANUFACTURER.
2. THE PAD SHALL HAVE MINIMUM CLEARANCE OF TEN FEET FROM ALL BUILDINGS TO PROVIDE SUFFICIENT COOLING. A MINIMUM CLEARANCE OF THREE FEET SHALL BE MAINTAINED FROM ALL OBSTRUCTIONS.
3. REINFORCE WITH NO. 5 REBAR WITH A 12"x12" GRID, 4" CLEAR FROM BOTTOM OF PAD EXCEPT AS SHOWN ABOVE.
4. CONCRETE SHALL HAVE A MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 POUNDS. PAD SHALL BE CURED NOT LESS THAN 72 HOURS.
5. MOUNTING SURFACE SHALL BE LEVEL, SMOOTH AND UNIFORM WITH MINIMAL IRREGULARITIES.
6. PROVIDE 1" CHAMFER AT TOP EDGES OF PAD.
7. PROVIDE 3/4" x 10'-0" DRIVEN COPPER GROUND RODS AT ALL FOUR CORNERS AND EXOTHERMICALLY WELD TO STEEL REINFORCEMENT AND GENERATOR FRAME.
8. CONCRETE PAD SHALL EXTEND A MINIMUM OF 6" FROM EACH SIDE OF GENERATOR HOUSING.

8 ES102 GENERATOR PAD DETAIL
SCALE: N.T.S.



4 ES102 PRIMARY DUCTBANK DETAIL
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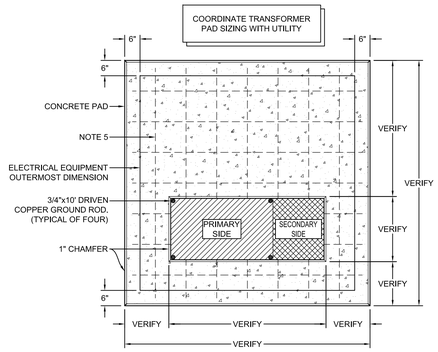
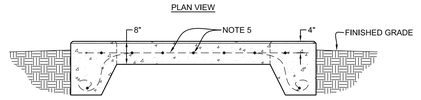


PLAN VIEW

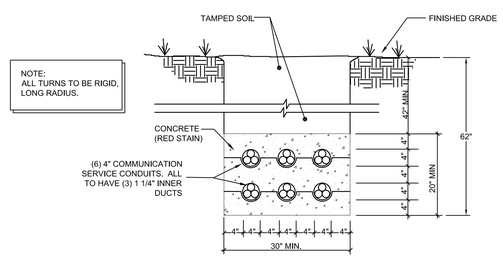


SIDE VIEW

NOTES:

1. SERVICE DUCT SHALL BE LOCATED IN EXTREME RIGHT SIDE OF THE SECONDARY COMPARTMENT. VERIFY WITH MANUFACTURER.
2. PRIMARY DUCT SHALL EXTEND BEYOND EDGE OF PAD IN THE DIRECTION OF THE INCOMING PRIMARY CABLES.
3. COORDINATE EXACT SIZE OF CONCRETE PAD WITH EQUIPMENT MANUFACTURER.
4. THE PAD SHALL HAVE MINIMUM CLEARANCE OF TEN FEET FROM ALL BUILDINGS TO PROVIDE SUFFICIENT COOLING. A MINIMUM CLEARANCE OF THREE FEET SHALL BE MAINTAINED FROM ALL OBSTRUCTIONS.
5. REINFORCE WITH NO. 4 REBAR WITH A 12"x12" GRID, 4" BELOW TOP OF PAD EXCEPT AS SHOWN ABOVE.
6. CONCRETE SHALL HAVE A MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 POUNDS. PAD SHALL BE CURED NOT LESS THAN 72 HOURS.
7. MOUNTING SURFACE SHALL BE LEVEL, SMOOTH AND UNIFORM WITH MINIMAL IRREGULARITIES.

6 ES102 TRANSFORMER PAD DETAIL
SCALE: N.T.S.



5 ES102 COMMUNICATION DUCTBANK DETAIL
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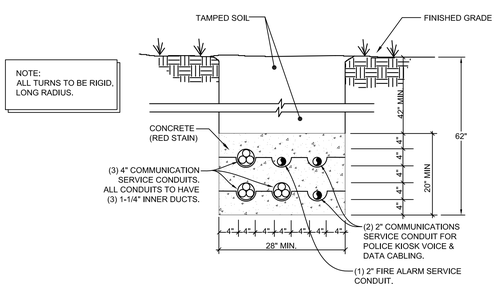

7 ES102 COMMUNICATIONS DUCTBANK DETAIL
SCALE: N.T.S.

1	ELECTRICAL DETAILS
N.T.S.	

KEYNOTES

1 NOT USED

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

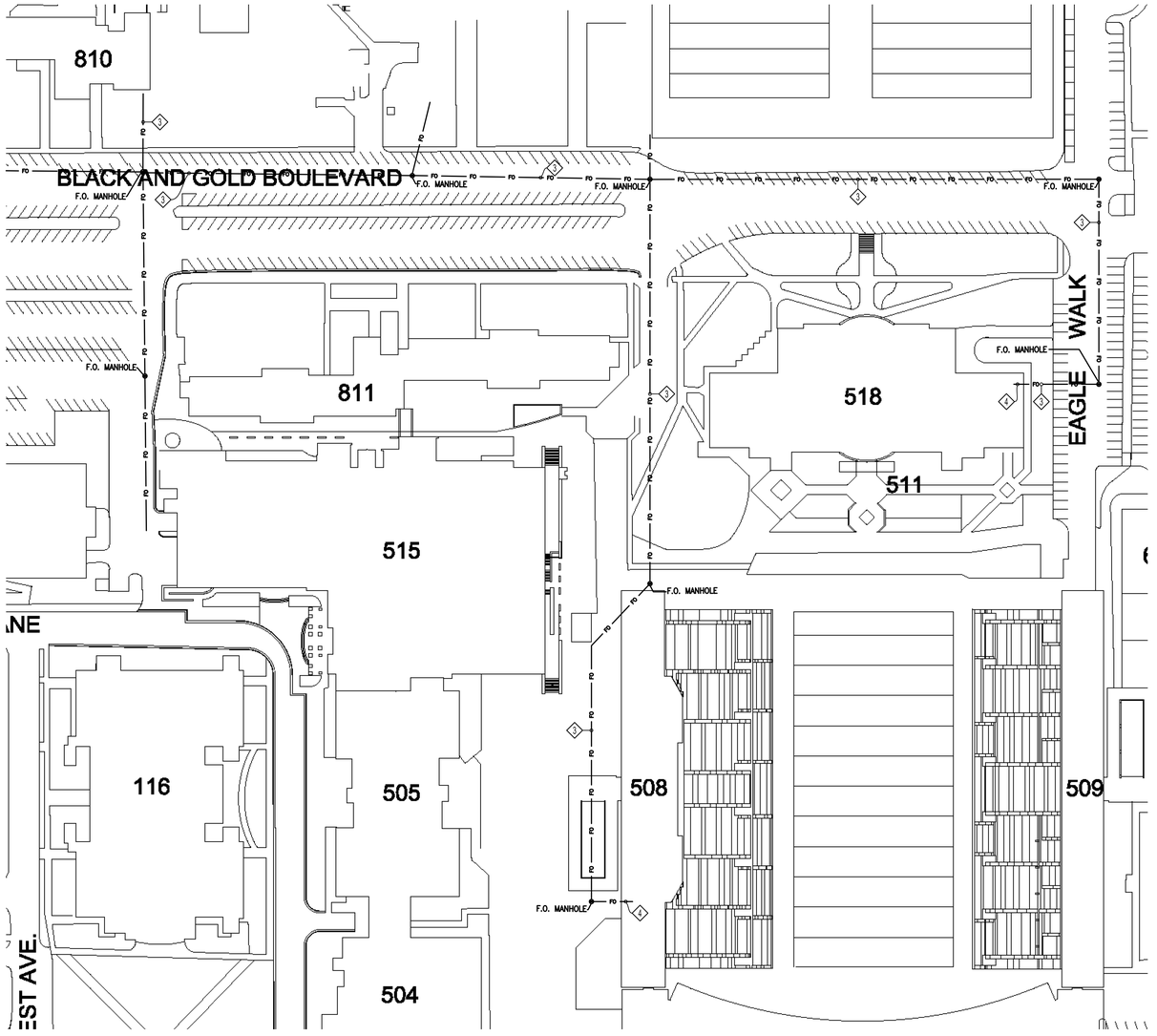
PROJECT NO: • 2012020
DRAWN BY: • JDG
CHECKED BY: • JDL
DATE ISSUED: • 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
ELECTRICAL DETAILS

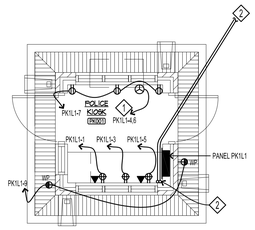
SHEET NUMBER
ES102
402 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



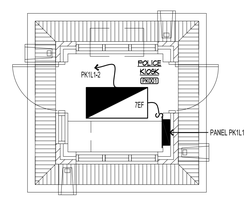
1 CAMPUS PLAN - SYSTEMS — NORTH

VERIFY



2 POLICE KIOSK - POWER & SYSTEMS — NORTH

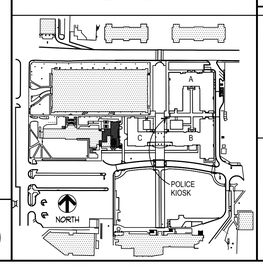
1/4" = 1'-0"



3 POLICE KIOSK - LIGHTING — NORTH

1/4" = 1'-0"

KEY PLAN



KEYNOTES

1. PROVIDE POWER CONNECTION TO WALL MOUNTED PTAC UNIT. PROVIDE SPECIAL SIMPLEX RECEPTACLE PER MANUFACTURES SPECIFICATIONS. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MANUFACTURER. RECEPTACLE CONCEALED IN UNIT SUB-BASE.
2. STUB (2) 2" VOICE/DATA SERVICE CONDUITS FROM BELOW GRADE TO 6" A.F.F. SEE SITE PLAN ON SHEET ES100 FOR ROUTING OF VOICE/DATA SERVICE CONDUITS FROM BUILDING "B" DATA ROOM #1261 TO POLICE KIOSK.
3. REFER TO SPECIFICATION SECTION 271100 FOR NEW FIBER/CABLING TO BE PROVIDED IN EXISTING CONDUITS.
4. COORDINATE EXACT LOCATION / ROUTING OF EXISTING CONDUITS AND EXISTING DATA ROOM LOCATION WITH USM ITECH.

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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
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- JDG

CHECKED BY:
- JDL

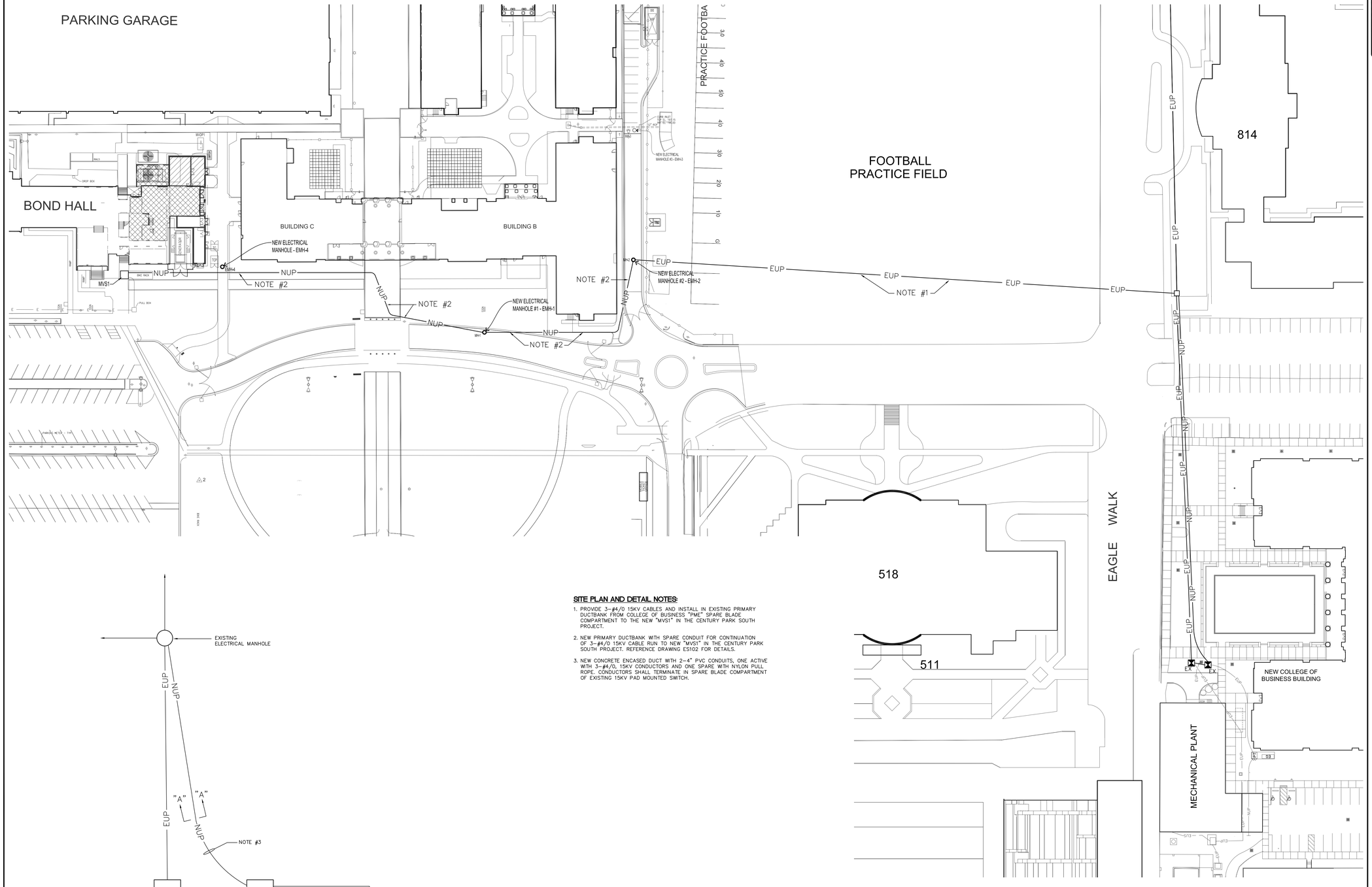
DATE ISSUED:
- 04 MAR 2013

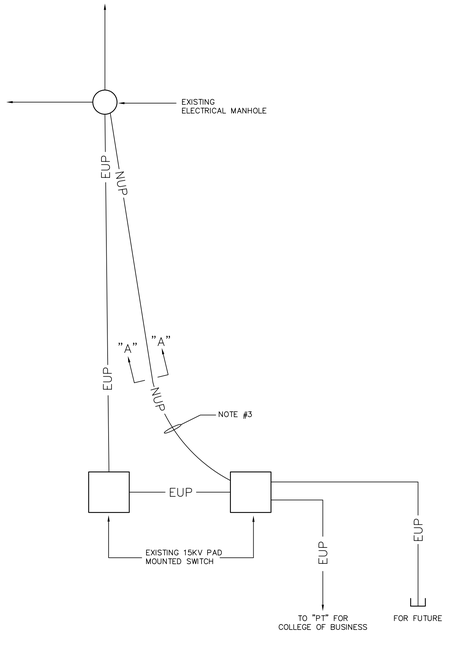
REVISIONS & ADDENDUMS

SHEET TITLE
POLICE KIOSK ELECTRICAL

SHEET NUMBER
ES103
403 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013





DETAIL AT 15KV PAD MOUNTED SWITCHES

NO SCALE

SITE PLAN AND DETAIL NOTES:

1. PROVIDE 3–#4/0 15KV CABLES AND INSTALL IN EXISTING PRIMARY DUCTBANK FROM COLLEGE OF BUSINESS "PME" SPARE BLADE COMPARTMENT TO THE NEW "MVS1" IN THE CENTURY PARK SOUTH PROJECT.
2. NEW PRIMARY DUCTBANK WITH SPARE CONDUIT FOR CONTINUATION OF 3–#4/0 15KV CABLE RUN TO NEW "MVS1" IN THE CENTURY PARK SOUTH PROJECT. REFERENCE DRAWING ES102 FOR DETAILS.
3. NEW CONCRETE ENCASED DUCT WITH 2–4" PVC CONDUITS, ONE ACTIVE WITH 3–#4/0, 15KV CONDUCTORS AND ONE SPARE WITH NYLON PULL ROPE. CONDUCTORS SHALL TERMINATE IN SPARE BLADE COMPARTMENT OF EXISTING 15KV PAD MOUNTED SWITCH.

PARTIAL ELECTRICAL SITE PLAN

SCALE: 1" = 40'–0"

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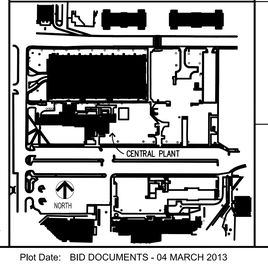
KEY PLAN



W/O JOB NO: 212111

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IHL# 208-297
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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

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SHEET TITLE
PARTIAL ELECTRICAL SITE PLAN

SHEET NUMBER
ES104
404 of 458

Plot Date: BID DOCUMENTS - 04 MARCH 2013

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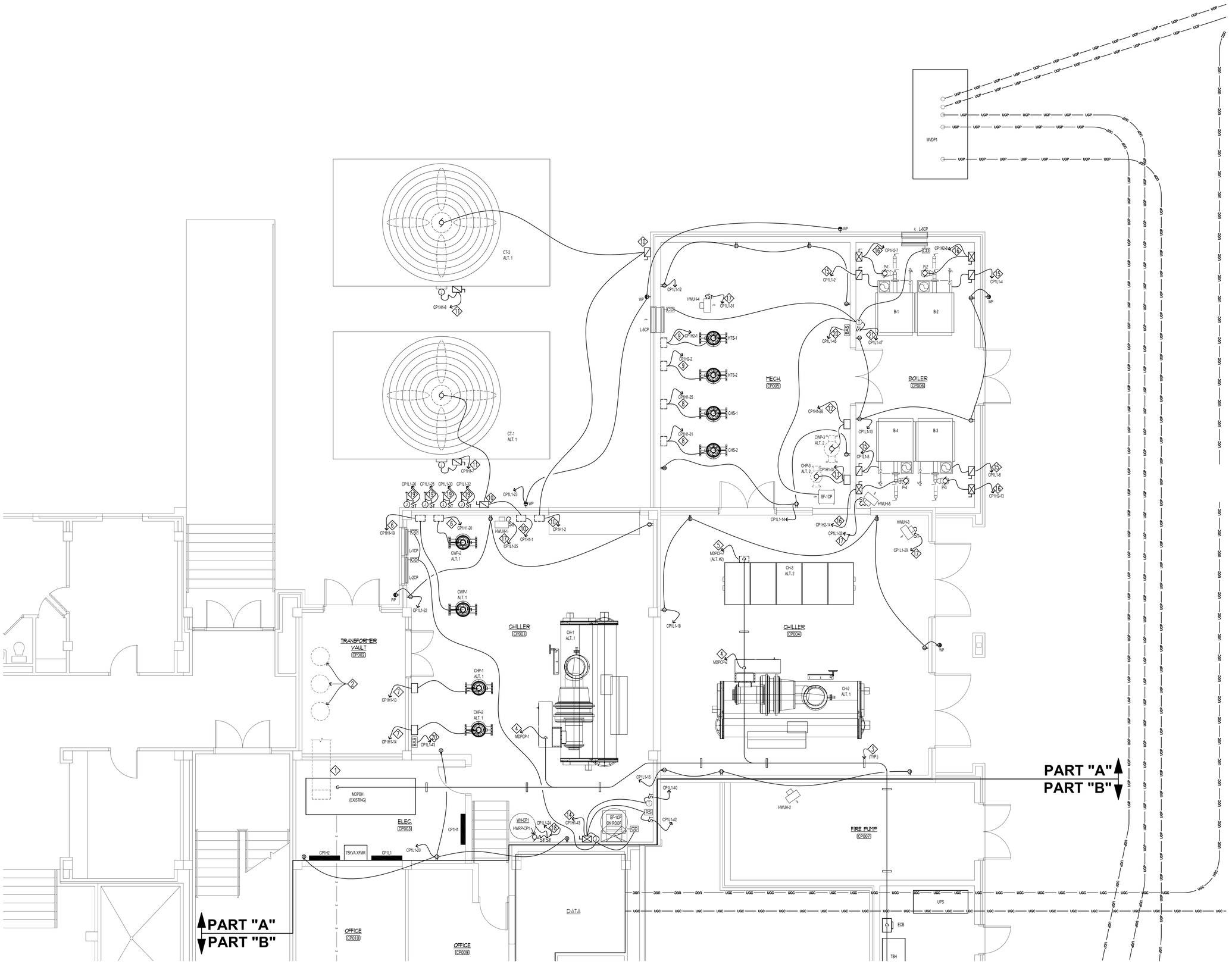
GENERAL NOTES

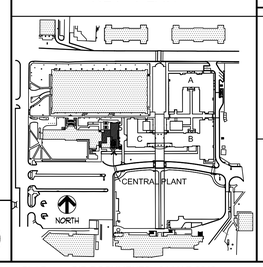
1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION & NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR, UNIVERSITY PHYSICAL FACILITIES, EXISTING SYSTEMS AND OTHER TRADES.
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. EXISTING 2000A BUS DUCT (CURRENTLY FEEDING EXISTING SWITCHBOARD MDPBH) TO BE DISCONNECTED & REMOVED ONCE NEW SERVICE IS INSTALLED.
2. EXISTING TRANSFORMERS CURRENTLY SERVING BOND HALL ARE TO BE DISCONNECTED & REMOVED ONCE NEW ELECTRICAL SERVICE IS IN PLACE. THESE TRANSFORMERS ARE TO BE FIRST OFFERED TO THE UNIVERSITY AND IN THE EVENT THE UNIVERSITY DOES NOT WANT THE TRANSFORMERS, THE ELECTRICAL CONTRACTOR SHALL PROPERLY DISPOSE.
3. PROVIDE FLOOR MOUNTED CONDUIT SUPPORTS AS NECESSARY. (TYPICAL). UTILIZE MECHANICAL PIPING SUPPORTS WHEN AVAILABLE. COORDINATE WITH MECHANICAL CONTRACTOR.
4. PROVIDE POWER CONNECTION TO UNIT MOUNTED CONTROL PANEL FOR CHILLER #1 & #2 (CH-1 & CH-2). CONTROL PANEL PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS.
5. PROVIDE POWER CONNECTION TO UNIT MOUNTED CONTROL PANEL FOR CHILLER #3 (CH-3). CONTROL PANEL PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS. THIS WORK IS PART OF ALTERNATE #2.
6. PROVIDE POWER CONNECTION TO CONDENSER WATER PUMP #1 & #2 (CWP-1 & CWP-2). PROVIDE 40HP SOLID STATE REDUCED VOLTAGE STARTER/DISCONNECT FOR BASE BID. PROVIDE 50HP SOLID STATE REDUCED VOLTAGE STARTER/DISCONNECT FOR ALTERNATE #1 PUMP. PROVIDE ACCESSORIES AS REQUIRED. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
7. PROVIDE POWER CONNECTION TO CHILLED WATER PRIMARY PUMP #1 & #2 (CHP-1 & CHP-2). PROVIDE 10HP ACROSS-THE-LINE STARTER/DISCONNECT FOR BASE BID PUMPS. PROVIDE 15HP SOLID STATE REDUCED VOLTAGE STARTER/DISCONNECT FOR ALTERNATE #1 PUMPS. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
8. PROVIDE POWER CONNECTION TO VFD WITH DISCONNECT FOR CHILLED WATER SECONDARY PUMPS #1 & #2 (CHS-1 & CHS-2). VFD BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
9. PROVIDE POWER CONNECTION TO VFD WITH DISCONNECT FOR HEATING WATER SECONDARY PUMPS #1 & #2 (HTS-1 & HTS-2). VFD BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
10. PROVIDE POWER CONNECTION TO VFD FOR COOLING TOWER #1 OR #2 (CT-1 & CT-2). VFD BY MECHANICAL CONTRACTOR. PROVIDE 100A/3P NEMA 3R DISCONNECT, RELAY & CONTROL WIRING TO DISCONNECT POWER TO VFD WHEN EXTERIOR DISCONNECT SWITCH IS TURNED OFF. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
11. PROVIDE POWER CONNECTION TO COOLING TOWER BASIN HEATER. PROVIDE 30A/3P/NF NEMA3R DISCONNECT FOR BASE BID UNIT. PROVIDE 60A/3P/NF DISCONNECT FOR ALTERNATE #1 UNIT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
12. PROVIDE POWER CONNECTION TO VFD FOR CONDENSER WATER PUMP #3 (CWP-3). VFD BY MECHANICAL CONTRACTOR. THIS WORK IS PART OF ALTERNATE #2. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
13. PROVIDE POWER CONNECTION TO VFD FOR CHILLED WATER PRIMARY PUMP #3 (CHP-3). VFD BY MECHANICAL CONTRACTOR. THIS WORK IS PART OF ALTERNATE #2. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
14. PROVIDE POWER CONNECTION TO EXHAUST FAN #1 (EF-1CP) ON ROOF. PROVIDE 3/4HP ACROSS-THE-LINE STARTER/DISCONNECT WITH 120V AUXILIARY COIL IN CENTRAL PLANT. PROVIDE #12 WIRE IN CONDUIT FOR 120V AUXILIARY CONTROL CONNECTIONS TO CONTROL DAMPERS ("CD"), LINE VOLTAGE THERMOSTAT ("T") & REFRIGERANT LEAK DETECTOR ("RS") AS SHOWN. CONTROL DAMPERS, THERMOSTAT & REFRIGERANT LEAK DETECTOR BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
15. PROVIDE POWER CONNECTION TO GAS BOILER (B-#). PROVIDE 30A/3P NON-FUSED DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
16. PROVIDE POWER CONNECTION TO PUMP (P-#). PROVIDE 480/3PH, 1.5HP ACROSS-THE-LINE STARTER/DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
17. PROVIDE POWER CONNECTION TO HOT WATER UNIT HEATER (HWUH-#). PROVIDE 20A/1P MANUAL STARTER AT UNIT FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
18. PROVIDE POWER CONNECTION TO WATER HEATER (WH-CP1) AND HOT WATER RE-CIRCULATION PUMP (HWRP-CP1). PROVIDE 20A/1P MANUAL STARTER AT EACH UNIT FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
19. PROVIDE POWER CONNECTION & ELECTRIC TRACE HEATING FOR EXTERIOR MECHANICAL PIPING. PROVIDE NEMA 3R MANUAL STARTER AT 48" A.F.F. FOR MEANS OF DISCONNECT. SEE SPECIFICATIONS FOR TRACE HEATING REQUIREMENTS. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
20. PROVIDE POWER CONNECTION TO BUILDING AUTOMATION SYSTEM CONTROL PANEL ("BAS"). BAS BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
21. PROVIDE POWER CONNECTION TO SUPPLY FAN #1 (SF-1CP). CONTROL DAMPERS AND LINE VOLTAGE THERMOSTAT. PROVIDE MANUAL STARTER AS SHOWN FOR MEANS OF DISCONNECT. PROVIDE #12 WIRE IN CONDUIT FOR AUXILIARY CONTROL CONNECTIONS TO CONTROL DAMPERS ("CD") & LINE VOLTAGE THERMOSTAT ("T") AS SHOWN. CONTROL DAMPERS & THERMOSTAT ARE PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.



KEY PLAN



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IHL# 208-297
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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

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- JDG

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
CENTRAL PLANT - PART "A" POWER

SHEET NUMBER
EP101CP

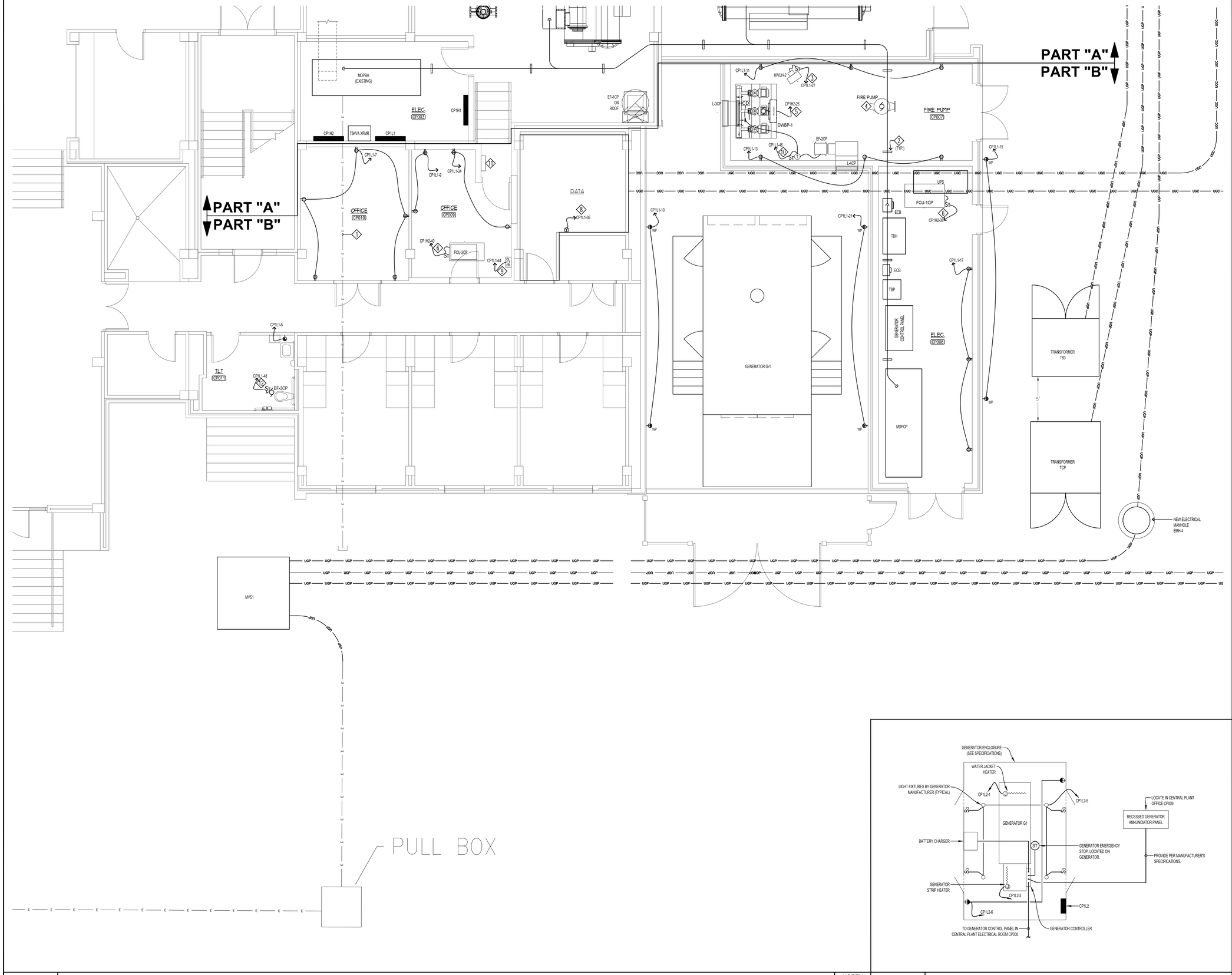
405 of 458

A1
1/4"=1'-0"

CENTRAL PLANT FLOOR PLAN - PART "A" POWER

NORTH

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 CENTRAL PLANT FLOOR PLAN - PART "B" POWER

1/4"=1'-0"

NORTH

2 GENERATOR WIRING DIAGRAM

NO SCALE

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JOSEPH D. LEGGE ENGINEER 15183 STATE OF MISSISSIPPI

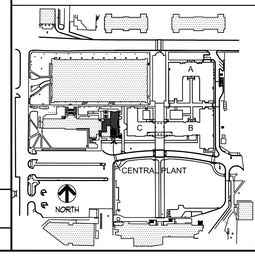
GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION & NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR, UNIVERSITY PHYSICAL FACILITIES, EXISTING SYSTEMS AND OTHER TRADES.
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. EXISTING UNDERGROUND CONDUIT THAT WAS USED FOR PRIMARY CONDUCTORS TO BE CAPPED & ABANDONED IN PLACE.
2. PROVIDE FLOOR MOUNTED CONDUIT SUPPORTS AS NECESSARY. (TYPICAL). UTILIZE MECHANICAL PIPING SUPPORTS WHEN AVAILABLE. COORDINATE WITH MECHANICAL CONTRACTOR.
3. PROVIDE POWER CONNECTION TO HOT WATER UNIT HEATER (HWUH-#). PROVIDE 20A/1P MANUAL STARTER AT UNIT FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
4. FOR POWER CONNECTION TO FIRE PUMP - SEE CENTRAL PLANT ELECTRICAL POWER RISER DIAGRAM ON SHEET E005.
5. PROVIDE POWER CONNECTION TO VFD WITH DISCONNECT FOR DOMESTIC WATER BOOSTER PUMP #1 (DWBP-1). VFD BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
6. PROVIDE POWER CONNECTION TO FAN COIL UNIT. PROVIDE 20A/1P, 277V MANUAL STARTER AT UNIT FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
7. PROVIDE POWER CONNECTION TO BUILDING CONTROL PANEL, CONTROL PANEL BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
8. PROVIDE A 30A/2P (208V-1PH) RECEPTACLE FOR POWER TO UPS-BH (SEE SCHEDULE ON SHEET E006. COORDINATE EXACT RECEPTACLE TO BE PROVIDED WITH UPS PROVIDED.
9. PROVIDE POWER CONNECTION TO HVAC BUILDING CONTROL PANEL ("BCP"). BCP BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
10. PROVIDE POWER CONNECTION TO EXHAUST FAN #2 (EF-2CP). CONTROL DAMPERS AND LINE VOLTAGE THERMOSTAT. PROVIDE MANUAL STARTER AT UNIT FOR MEANS OF DISCONNECT. PROVIDE #12 WIRE IN CONDUIT FOR AUXILIARY CONTROL CONNECTIONS TO CONTROL DAMPERS ("CD") & LINE VOLTAGE THERMOSTAT ("T") AS SHOWN. CONTROL DAMPERS & THERMOSTAT ARE PROVIDED BY MECHANICAL CONTRACTOR. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
11. EXISTING ELECTRICAL PANEL BOARD TO REMAIN.
12. PROVIDE POWER CONNECTION TO EXHAUST FAN #3 (EF-3CP) ABOVE ACCESSIBLE CEILING. PROVIDE MANUAL STARTER AT UNIT FOR MEANS OF DISCONNECT. COORDINATE & VERIFY EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.

KEY PLAN



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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

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- JDG

CHECKED BY:
- JDL

DATE ISSUED:
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SHEET TITLE

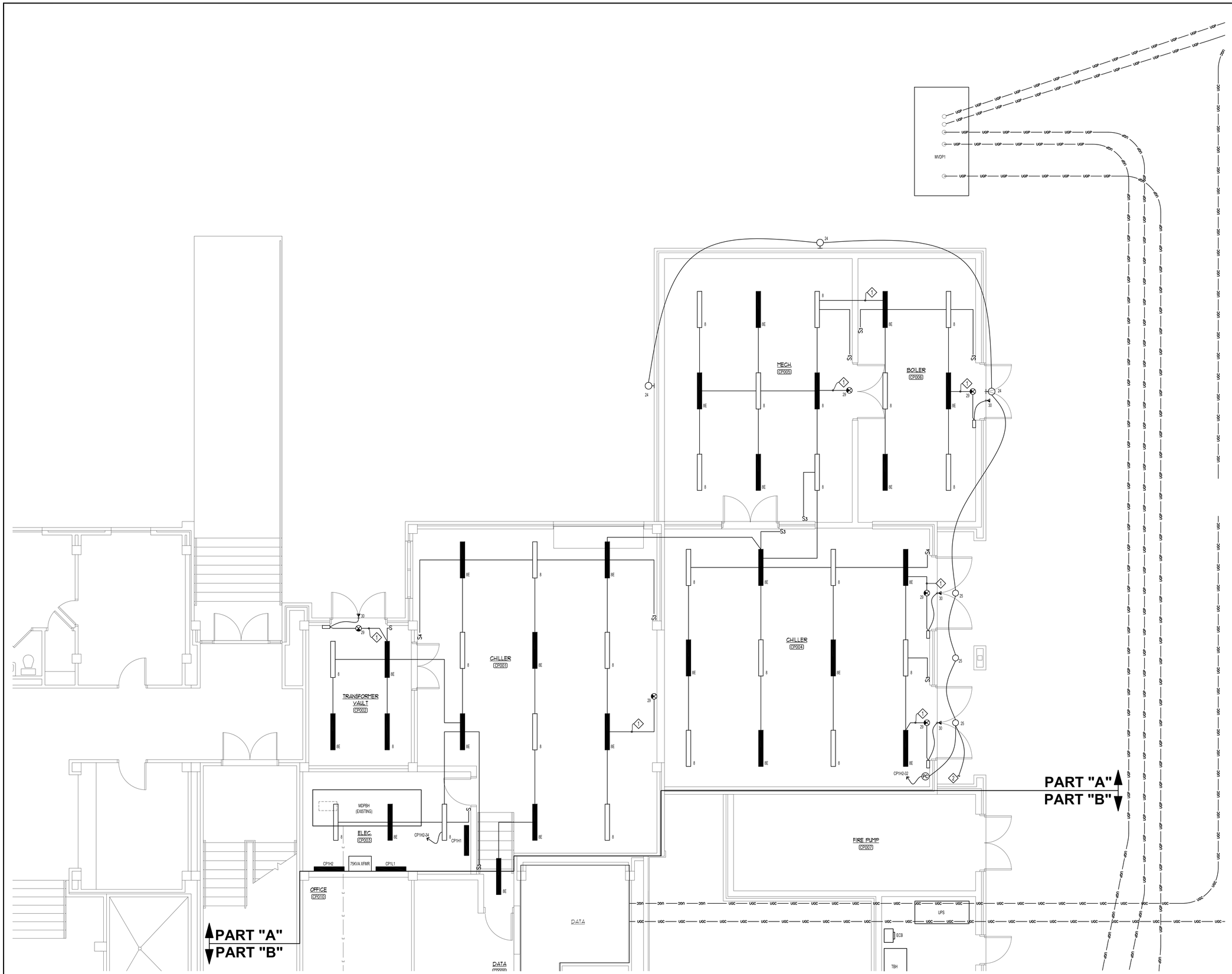
CENTRAL PLANT - PART "B" POWER

SHEET NUMBER

EP102CP

406 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



GENERAL NOTES

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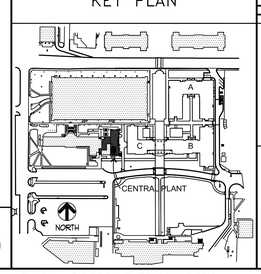
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. PROVIDE UN-SWITCHED LIGHTING CIRCUIT.
2. SEE SHEET EL102CP FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT.

KEY PLAN



A1	CENTRAL PLANT FLOOR PLAN - PART "A" LIGHTING
1/4"=1'-0"	

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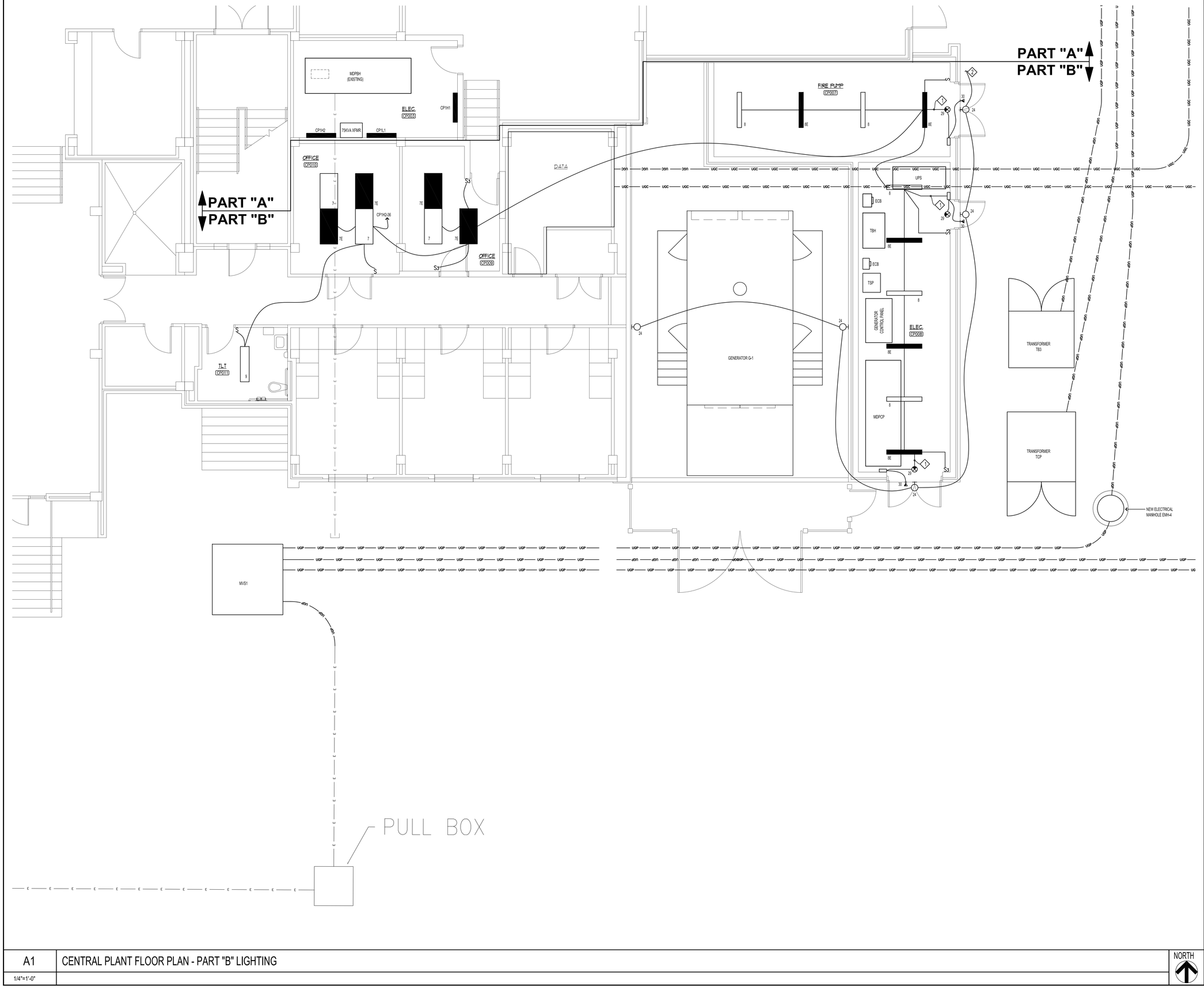

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KEYNOTES

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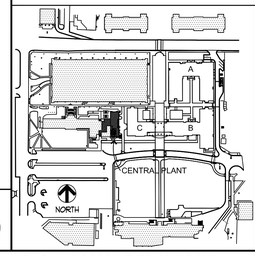
KEY PLAN



A1	CENTRAL PLANT FLOOR PLAN - PART "B" LIGHTING
1/4"=1'-0"	

NORTH

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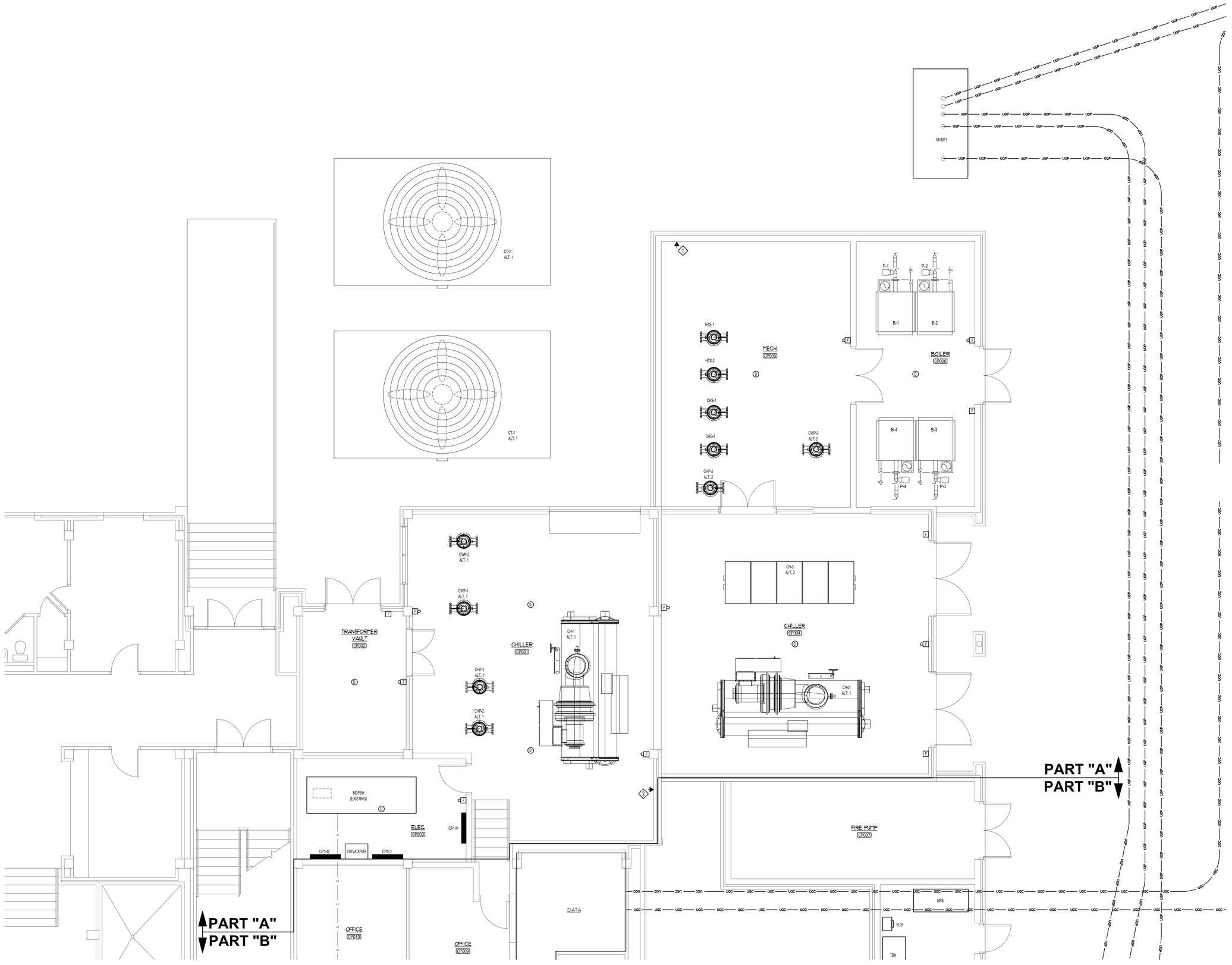
SHEET NUMBER
EL102CP



A1

1/4"=1'-0"

CENTRAL PLANT FLOOR PLAN - PART "A" SYSTEMS

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GENERAL NOTES

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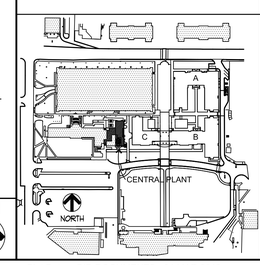
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. DATA CONNECTION FOR GAS METER - COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
2. DATA CONNECTION FOR WATER METER - COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

KEY PLAN



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SHEET TITLE

CENTRAL PLANT - PART "A" SYSTEMS

SHEET NUMBER

EY101CP

409 of 458

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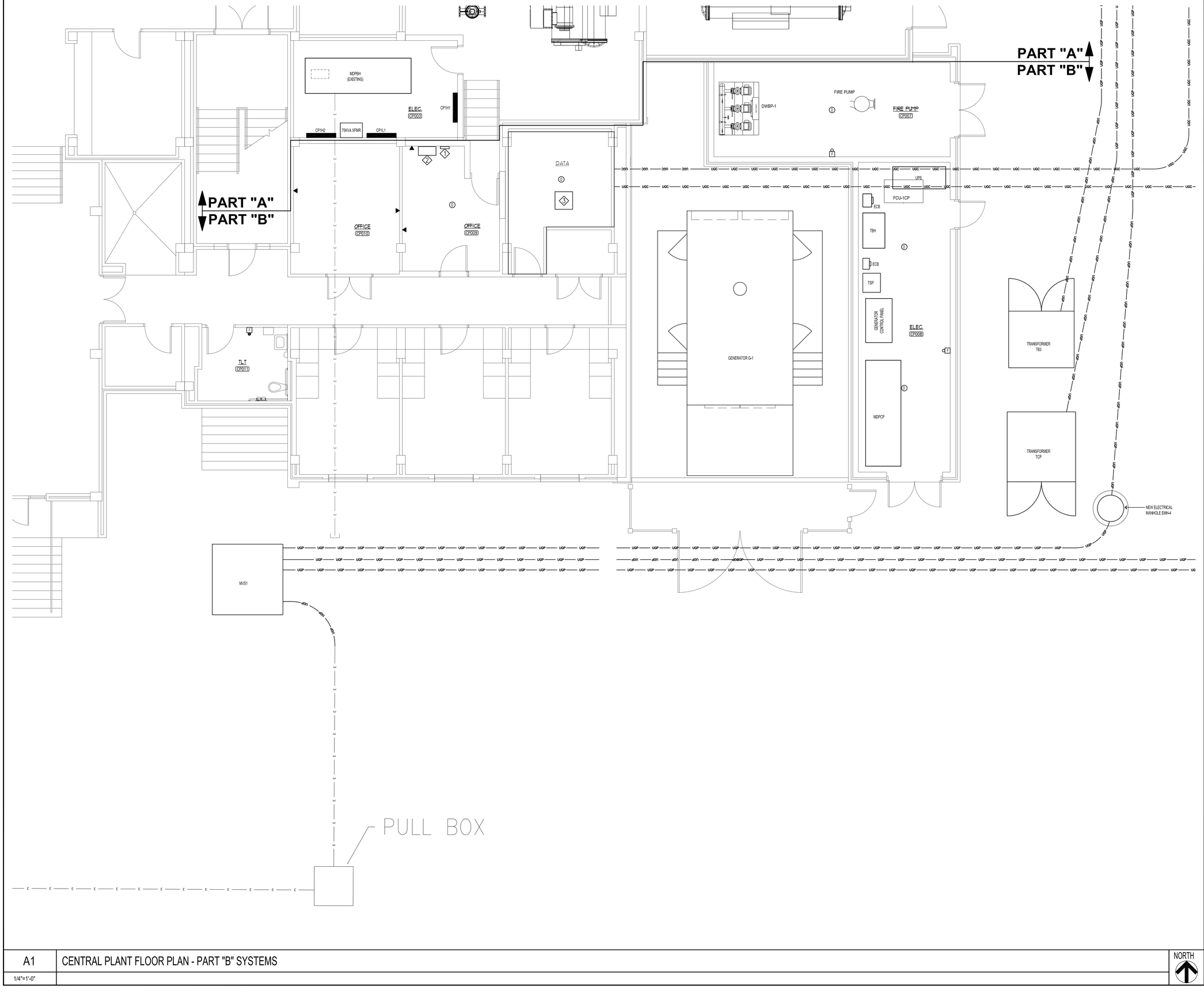

A1	CENTRAL PLANT FLOOR PLAN - PART "B" SYSTEMS
1/4"=1'-0"	

NORTH

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GENERAL NOTES

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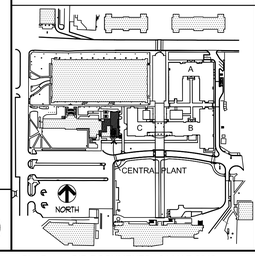
2. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE THE EXISTING CONDITION AND INSTALLATION.

KEYNOTES

1. PROVIDE GENERATOR REMOTE ANNUNCIATOR PANEL IN THIS LOCATION.
2. LOCATION OF BUILDING CONTROL PANEL.
3. APPROX. LOCATION OF NEW DATA RACK IN EXISTING DATA ROOM. THIS RACK SHALL BE THE SAME TYPE AS THE 6TH FLOOR BUILDING "C" RACK EXCEPT IT SHOULD HAVE (2) VERTICAL CABLE MGMT AND (6) HORIZONTAL CABLE MGMT. SEE SPECS SECTION 271100 AND UPS SCHEDULE ON SHEET E006.

KEY PLAN



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SHEET NUMBER
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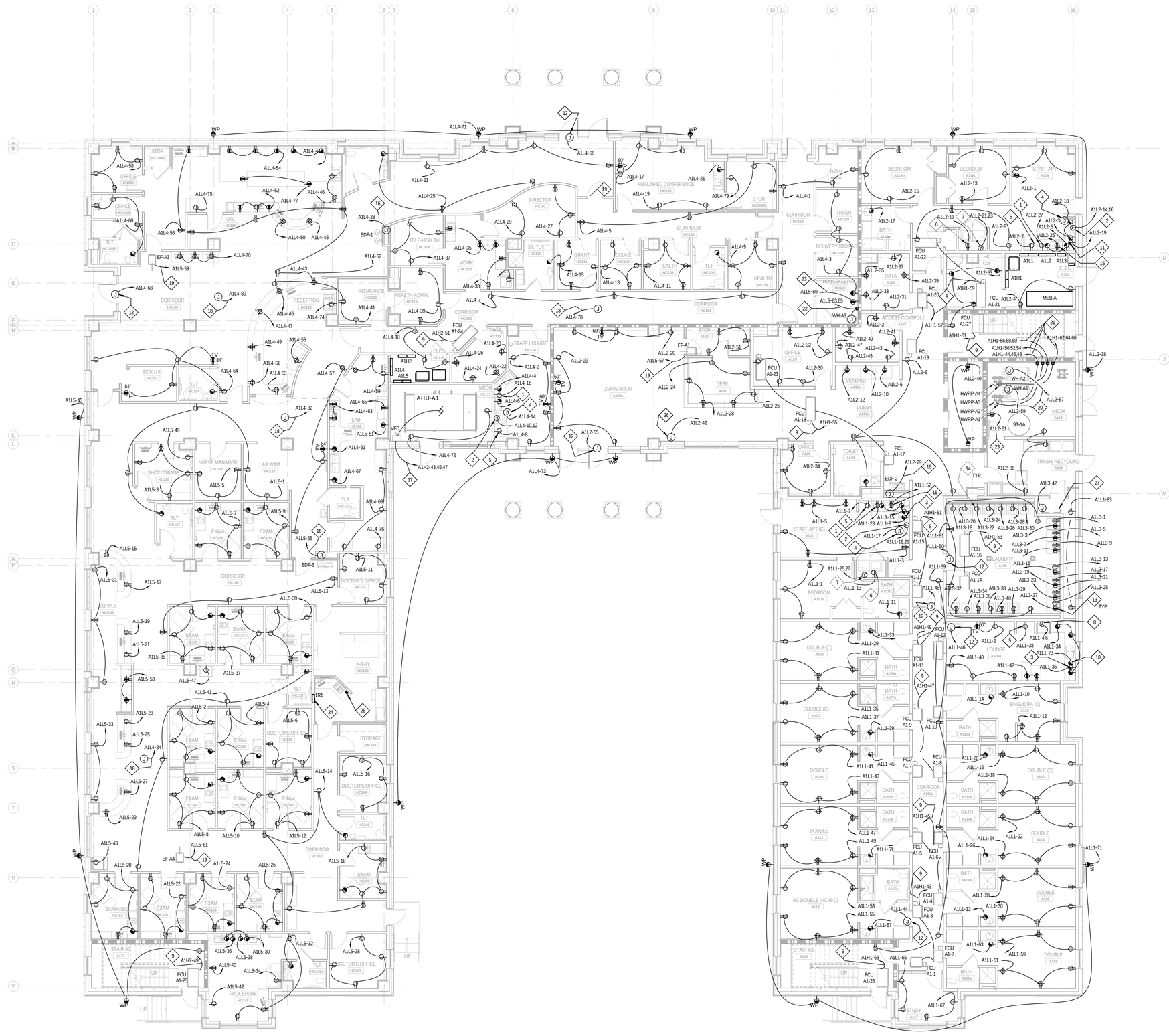

1 BUILDING A - FIRST FLOOR POWER PLAN

1/8" = 1'-0"

NORTH

3/9/2013 9:54:40 AM

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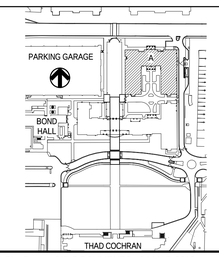
KEYNOTES

1. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 208V-1P-50A RECEPTACLE FOR RANGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
4. PROVIDE 120V-1P-20A POWER FOR RANGE HOOD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
5. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
6. PROVIDE 120V-1P-20A RECEPTACLE FOR WASHING MACHINE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
7. PROVIDE 208V-1P-30A RECEPTACLE FOR DRYER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
10. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
11. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK / SHELF AND EQUIPMENT INFORMATION.
12. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACCESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
13. POWER CONNECTION FOR STACKED DRYER. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION. HOMERUN DRYER CIRCUIT VIA CONTROL PANEL. CONTROL PANEL TO BE FURNISHED BY CONTROLS CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH CONTROLS CONTRACTOR.
14. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
15. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISPOSER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION AND CONNECT TO EQUIPMENT AS REQUIRED.
16. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
17. POWER CONNECTION FOR AIR HANDLING UNIT (AHU). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
18. POWER FOR TERMINAL UNITS. EXTEND CIRCUIT TO TERMINAL UNITS AS REQUIRED (MAX. 10 PER CIRCUIT). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING AT EACH TERMINAL UNIT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
19. POWER FOR EXHAUST FAN (EF). PROVIDE DEFINITE PURPOSE CONTACTOR WITH 24V COIL AND CONNECT TO FACTORY MOUNTED DISCONNECT SWITCH ON FAN, TYP. FOR EACH FAN. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
20. POWER CONNECTION FOR BOILER. PROVIDE MOTOR RATED SWITCH DISCONNECT AT BOILER. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
21. POWER CONNECTION FOR HOT WATER RECIRCULATING PUMP (HWRP). PROVIDE 480V-3P-30A COMBINATION STARTER / DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
22. POWER CONNECTION FOR WATER HEATER. PROVIDE 208V-2P-30A NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
23. PROVIDE 120V-1P RECEPTACLE FOR POWER TO HOT WATER RECIRCULATING PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
24. PANEL "1R1" FOR X-RAY EQUIPMENT. PROVIDE WIRING BEYOND THIS POINT IN ACCORDANCE WITH MID-SOUTH MEDICAL IMAGING DRAWINGS. FURNISH AND INSTALL WIRING, JUNCTION BOXES, FITTINGS, FLOOR AND WALL DUCT, SWITCHES, CIRCUIT BREAKERS AND OTHER ELECTRICAL ITEMS NOT FURNISHED BY MID-SOUTH MEDICAL IMAGING AND MAKE EQUIPMENT CONNECTIONS AS DIRECTED BY MID-SOUTH MEDICAL IMAGING. REFER TO MID-SOUTH MEDICAL IMAGING DRAWINGS DATED 3/7/2013 FOR ALL WORK TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
25. EMERGENCY STOP BUTTON FOR X-RAY EQUIPMENT. PROVIDE POWER (A1L5-67) TO SHUNT TRIP MAIN BREAKERS IN PANEL "1R1". COORDINATE EXACT LOCATION WITH MID-SOUTH MEDICAL IMAGING DRAWINGS. PROVIDE WIRING BEYOND THIS POINT IN ACCORDANCE WITH MID-SOUTH MEDICAL IMAGING DRAWINGS. REFER TO MID-SOUTH MEDICAL IMAGING DRAWINGS DATED 3/7/2013 FOR ALL WORK TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
26. POWER FOR FIRE ALARM CONTROL PANEL
27. DRYER CONTROL PANEL BY CONTROLS CONTRACTOR ELECTRICAL CONTRATOR TO PROVIDE 120V-1P CIRCUIT AS INDICATED WITH SINGLE POLE SWITCH DISCONNECT. SEE KEYNOTE 14. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH CONTROLS CONTRACTOR.

KEY PLAN



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PROJECT TITLE

USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE

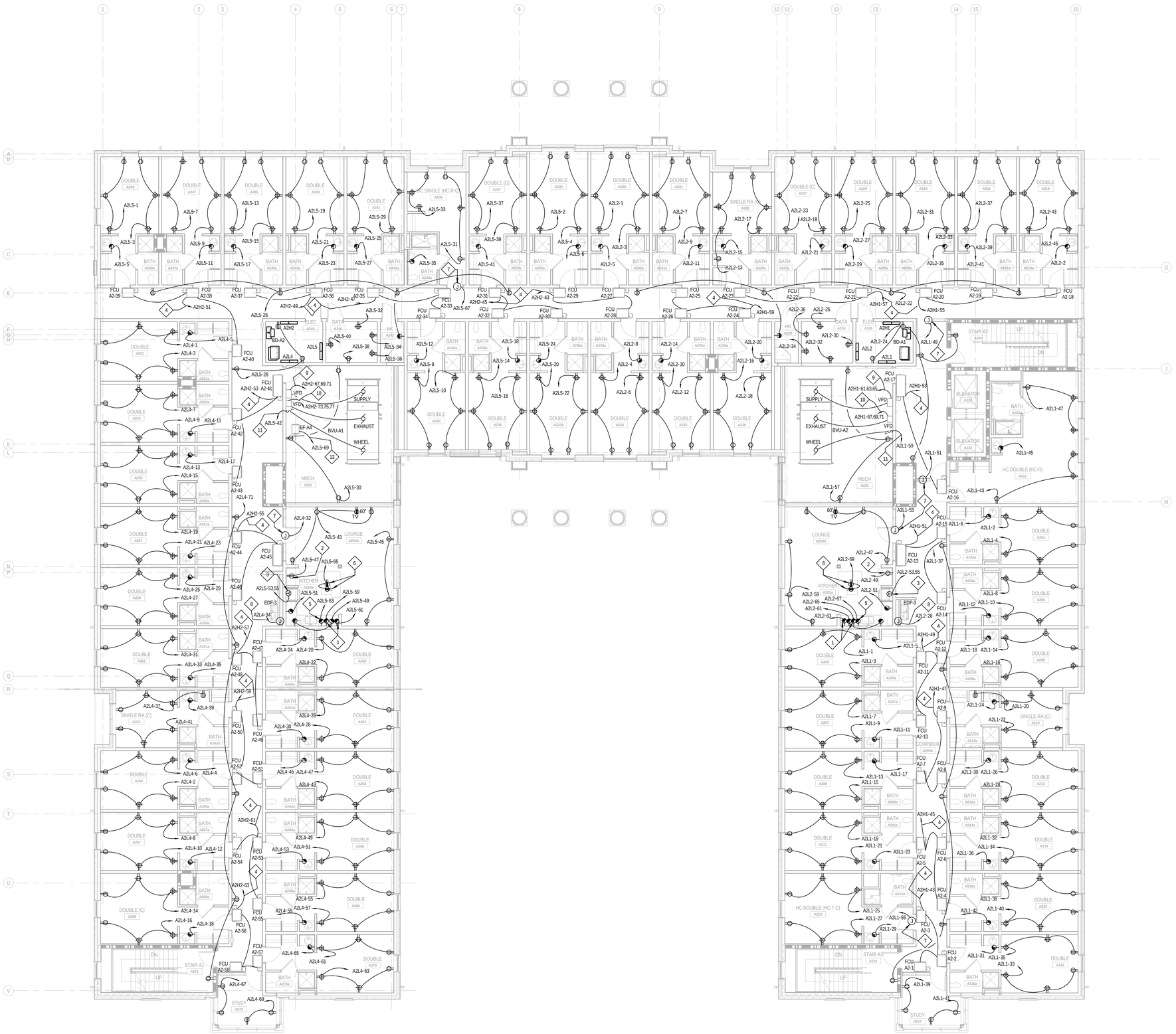
BUILDING A - FIRST FLOOR POWER PLAN

SHEET NUMBER

EP101A

411 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013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BVU-A1
BVU-A2
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STAIR A3 A215
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ELEVATOR A133
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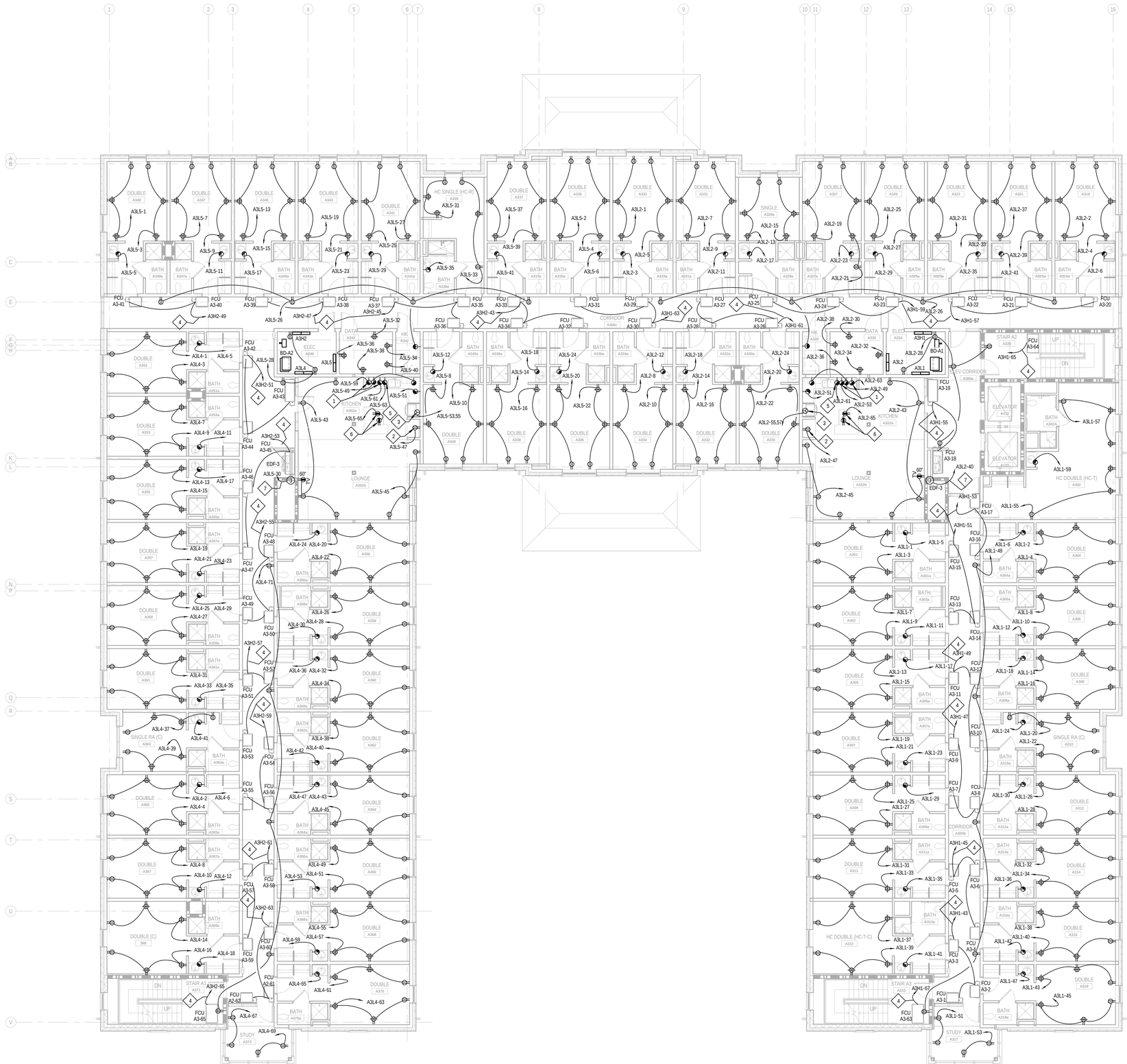

NORTH

1 BUILDING A - THIRD FLOOR POWER PLAN
1/8" = 1'-0"

3/9/2013 9:46:29 AM

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PROJECT NO: 2012020
DRAWN BY: DKH
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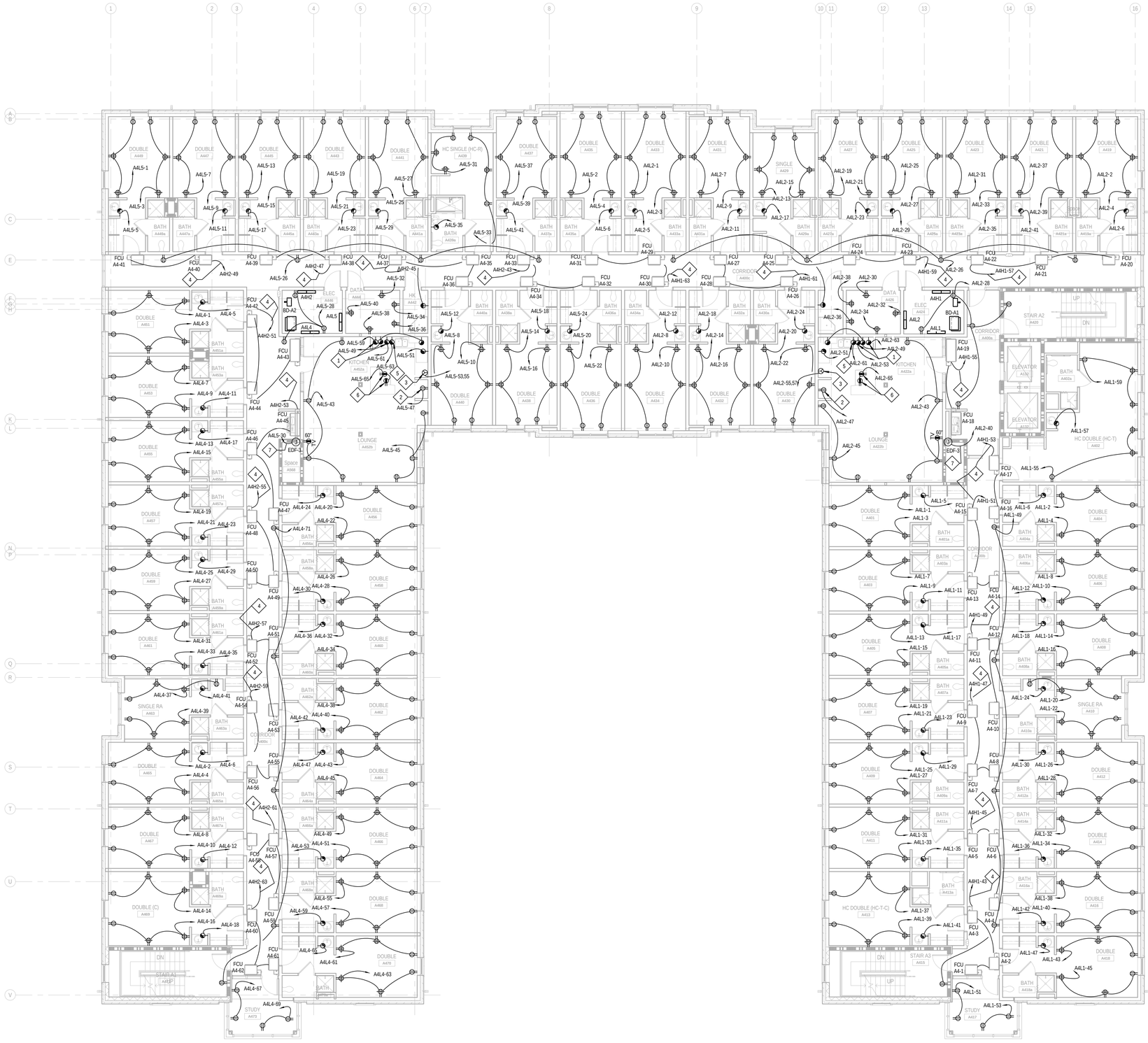
SHEET TITLE
BUILDING A - THIRD FLOOR POWER PLAN

SHEET NUMBER
EP103A

413 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013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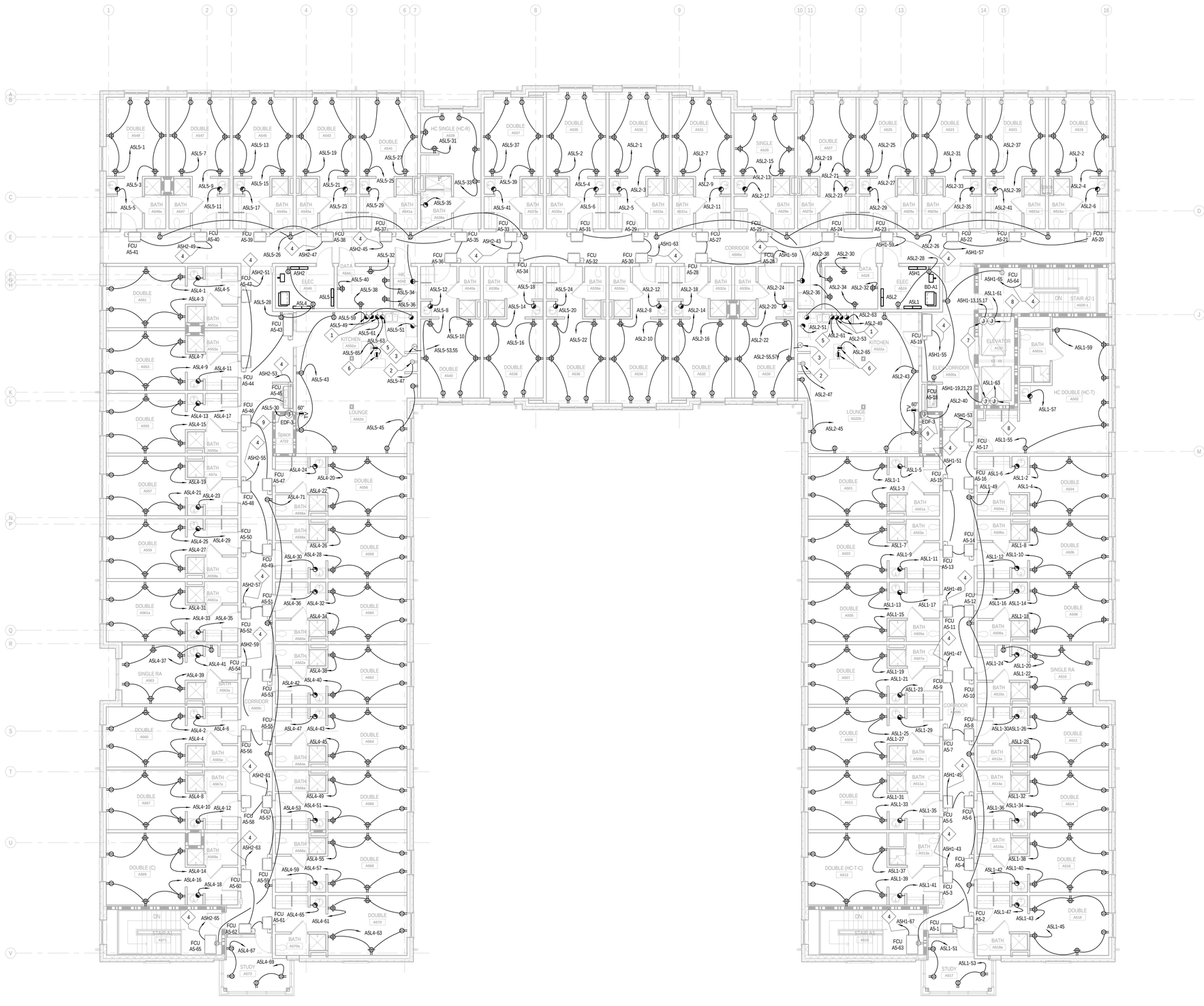
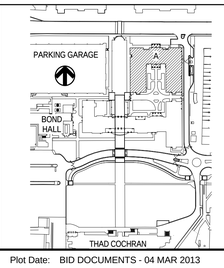


KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
6. MOUNT RECEPTACLE IN ISLAND ABOVE LOWER COUNTER LEVEL. COORDINATE LOCATION WITH MILLWORK.
7. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. CONTROL PANEL FURNISHED WITH ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
8. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE SINGLE POLE SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
9. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



NORTH

1 BUILDING A - FIFTH FLOOR POWER PLAN
1/8" = 1'-0"

3/9/2013 9:47:12 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

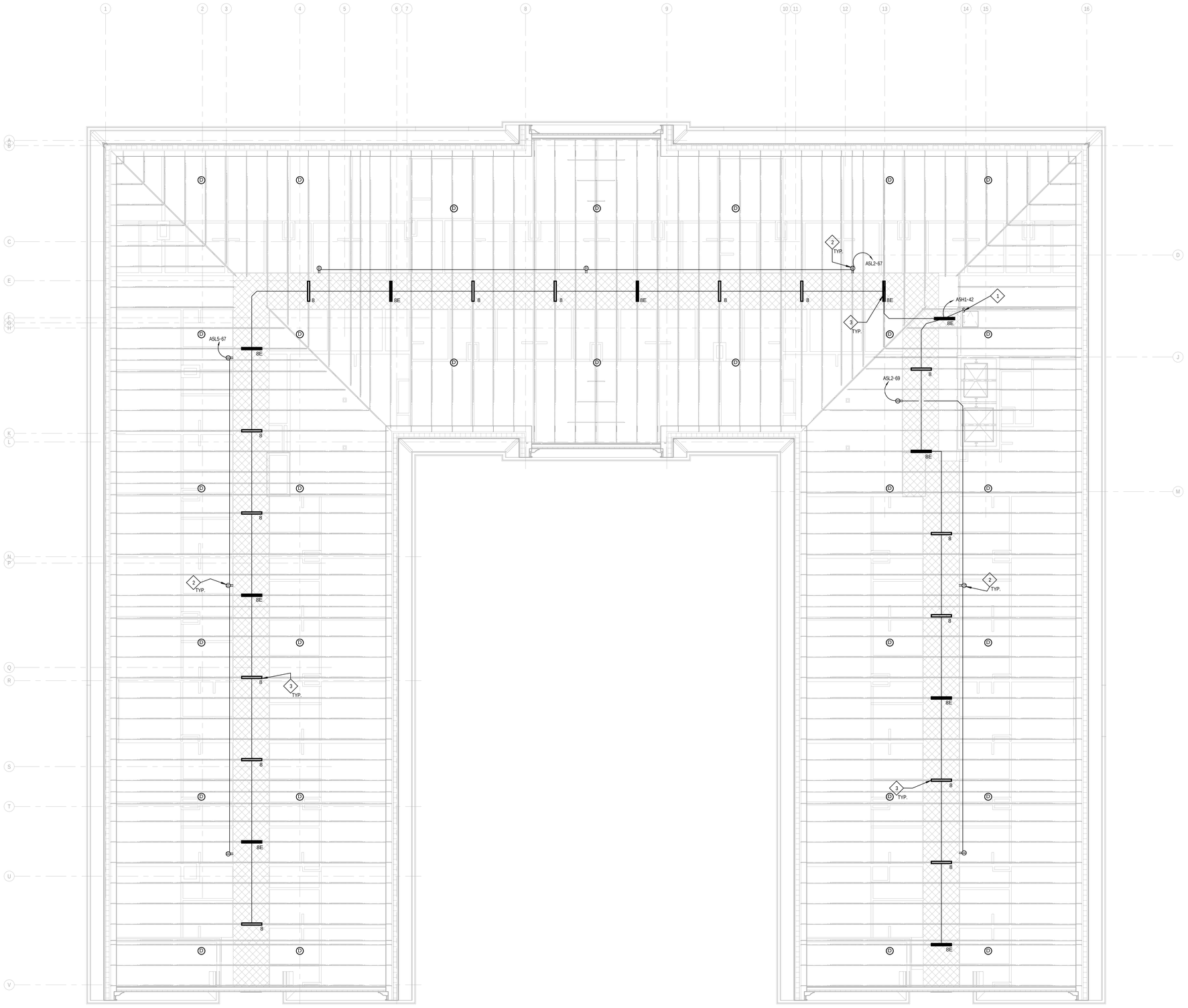
DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FIFTH FLOOR POWER PLAN

SHEET NUMBER
EP105A

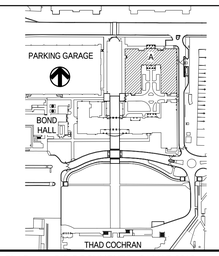
415 of 458



KEYNOTES

1. SINGLE POLE SWITCH FOR LIGHTING CONTROL. MOUNT ON STRUCTURE WITHIN REACH FROM TOP OF ACCESS LADDER.
2. 120V-1P-20A RECEPTACLE. MOUNT ON STRUCTURE NEAR CATWALK.
3. MOUNT LIGHT FIXTURE FROM STRUCTURE AT 8'-0" ABOVE CATWALK.

KEY PLAN



NORTH

1 1/8" = 1'-0"

BUILDING A - ATTIC ELECTRICAL PLAN

3/9/2013 9:47:29 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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HATTIESBURG, MISSISSIPPI

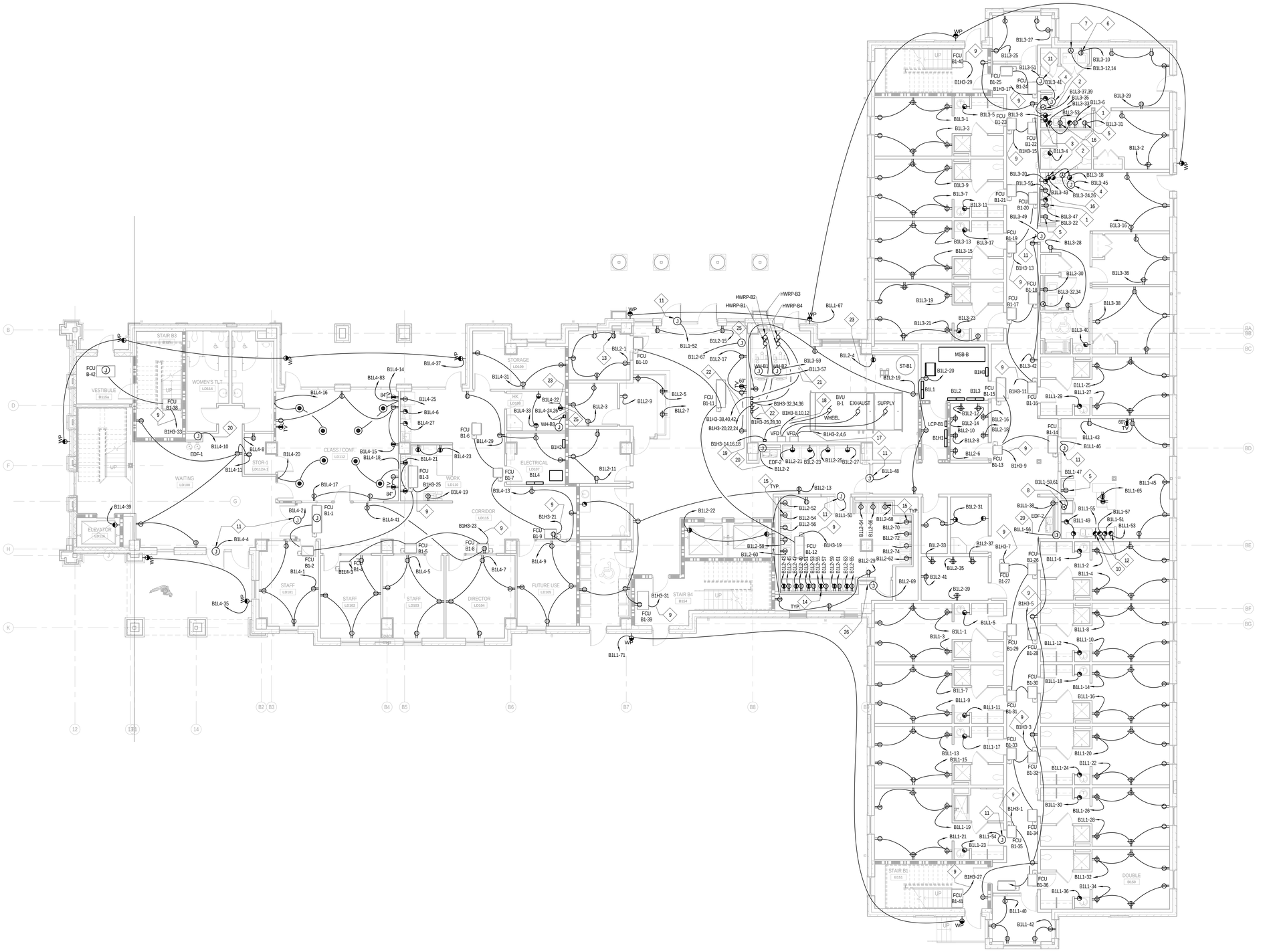
THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: Author
CHECKED BY: Checker
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - ATTIC ELECTRICAL PLAN

SHEET NUMBER
EP106A



NORTH

1 BUILDING B - FIRST FLOOR POWER PLAN

1/8" = 1'-0"

3/9/2013 10:10:03 AM

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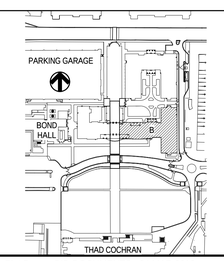
JOSEPH D. FOX 15189 STATE OF MISSISSIPPI REGISTERED PROFESSIONAL ENGINEER

KEYNOTES

1. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 208V-1P-50A RECEPTACLE FOR RANGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
4. PROVIDE 120V-1P-20A POWER FOR RANGE HOOD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
5. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
6. PROVIDE 120V-1P-20A RECEPTACLE FOR WASHING MACHINE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
7. PROVIDE 208V-1P-30A RECEPTACLE FOR DRYER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
10. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
11. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACCESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
12. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
13. POWER CONNECTION FOR ELECTRONIC KEY STORAGE UNIT
14. POWER CONNECTION FOR STACKED DRYER. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION. HOMERUN DRYER CIRCUIT VIA CONTROL PANEL. CONTROL PANEL TO BE FURNISHED BY CONTROLS CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH CONTROLS CONTRACTOR.
15. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
16. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISPOSER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION AND CONNECT TO EQUIPMENT AS REQUIRED.
17. POWER CONNECTION FOR BUILDING VENTILATION UNIT (SUPPLY FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
18. POWER CONNECTION FOR BUILDING VENTILATION UNIT (EXHAUST FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
19. POWER CONNECTION FOR BUILDING VENTILATION UNIT (ENERGY WHEEL). PROVIDE 480V-3P-30A COMBINATION STARTER / DISCONNECT INTERFACED WITH MECHANICAL CONTROLS. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
20. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
21. POWER CONNECTION FOR BOILER. PROVIDE MOTOR RATED SWITCH DISCONNECT AT BOILER. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
22. POWER CONNECTION FOR HOT WATER RECIRCULATING PUMP (HWRP). PROVIDE 480V-3P-30A COMBINATION STARTER / DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
23. PROVIDE 120V-1P RECEPTACLE FOR POWER TO HOT WATER RECIRCULATING PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
24. POWER FOR FIRE ALARM CONTROL PANEL.
25. POWER CONNECTION FOR WATER HEATER. PROVIDE 208V-2P-30A NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
26. DRYER CONTROL PANEL BY CONTROLS CONTRACTOR ELECTRICAL CONTRATOR TO PROVIDE 120V-1P CIRCUIT AS INDICATED WITH SINGLE POLE SWITCH DISCONNECT. SEE KEYNOTE 14. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH CONTROLS CONTRACTOR.

KEY PLAN



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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: • 2012020
DRAWN BY: • DKH
CHECKED BY: • JDL
DATE ISSUED: • 04 MAR 2013

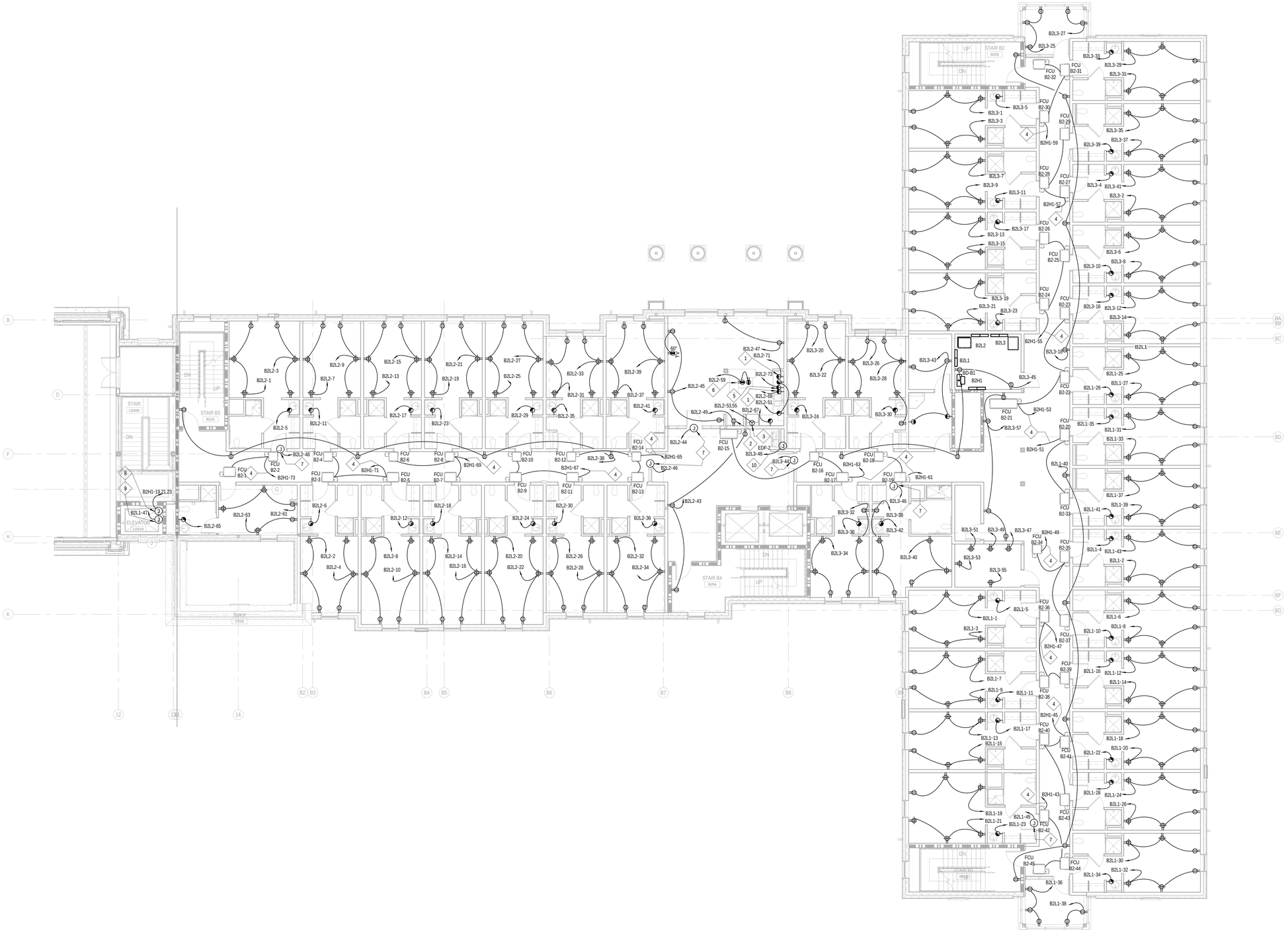
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FIRST FLOOR POWER PLAN

SHEET NUMBER
EP101B

417 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING B - SECOND FLOOR POWER PLAN

1/8" = 1'-0"

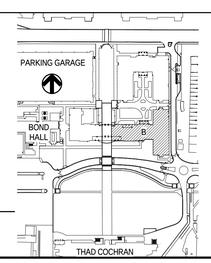
NORTH

3/9/2013 10:11:18 AM

KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
6. MOUNT RECEPTACLE IN ISLAND ABOVE LOWER COUNTER LEVEL. COORDINATE LOCATION WITH MILLWORK.
7. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
8. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. CONTROL PANEL FURNISHED WITH ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
9. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE SINGLE POLE SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
10. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



Plot Date: BID DOCUMENTS - 04 MAR 2013

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

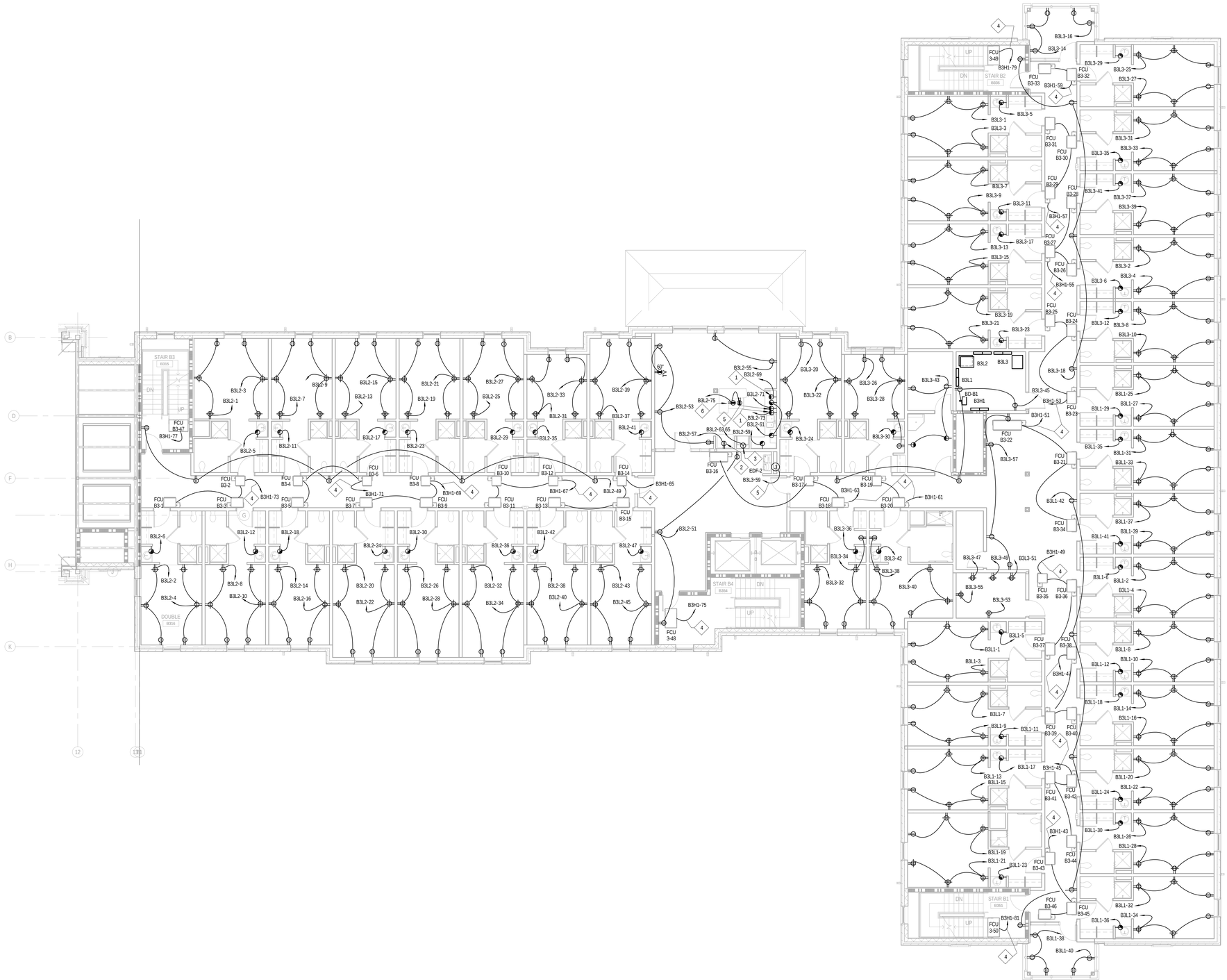
CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - SECOND FLOOR POWER PLAN

SHEET NUMBER
EP102B



KEYNOTES

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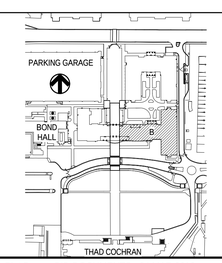
KEY PLAN



NORTH

1 BUILDING B - THIRD FLOOR POWER PLAN

1/8" = 1'-0"

3/9/2013 10:12:00 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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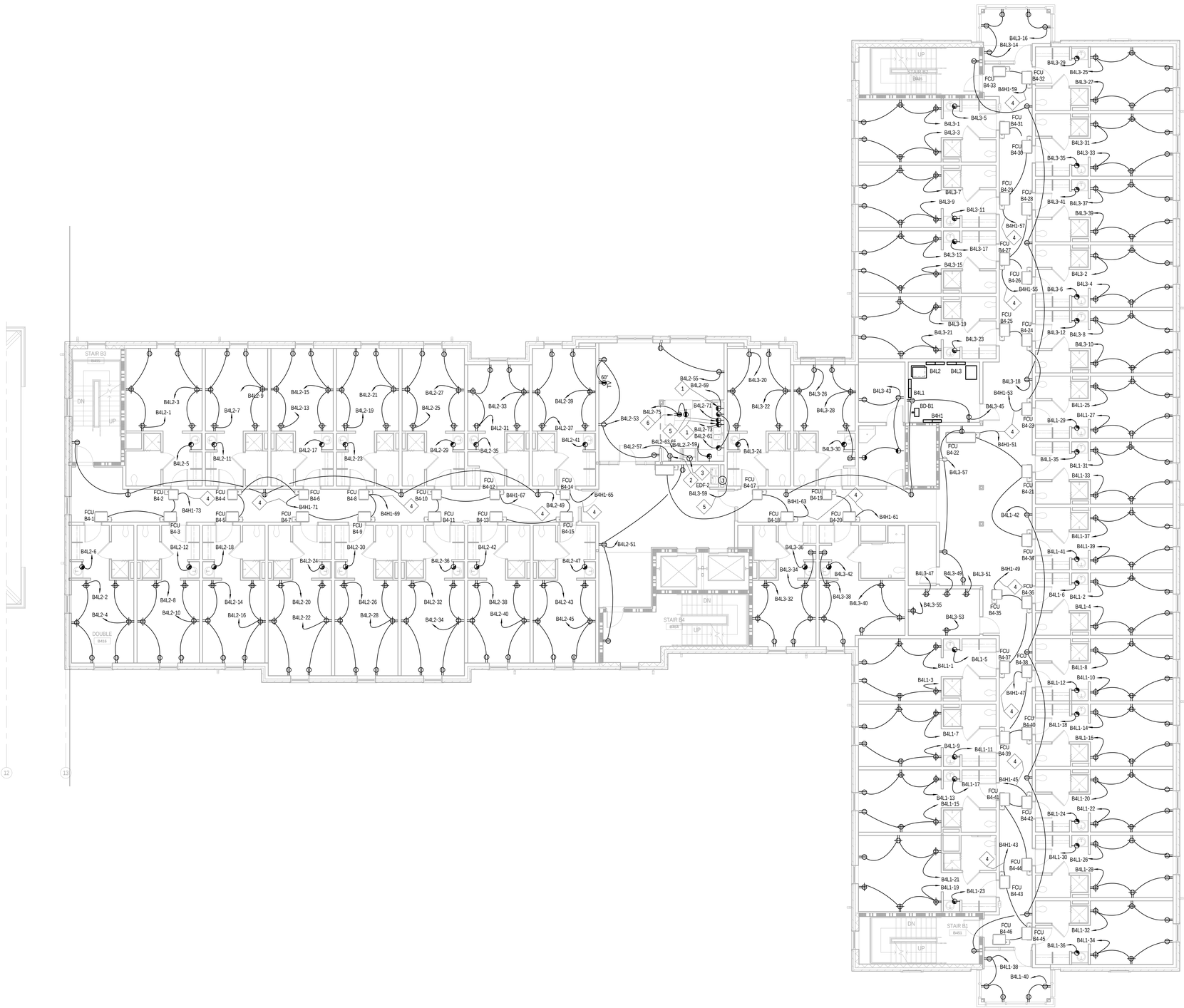
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - THIRD FLOOR POWER PLAN

SHEET NUMBER
EP103B



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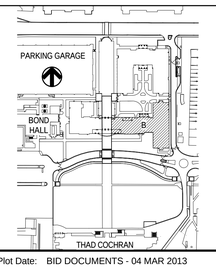
KEY PLAN



NORTH

1 BUILDING B - FOURTH FLOOR POWER PLAN
1/8" = 1'-0"

3/9/2013 10:12:46 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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- JDL

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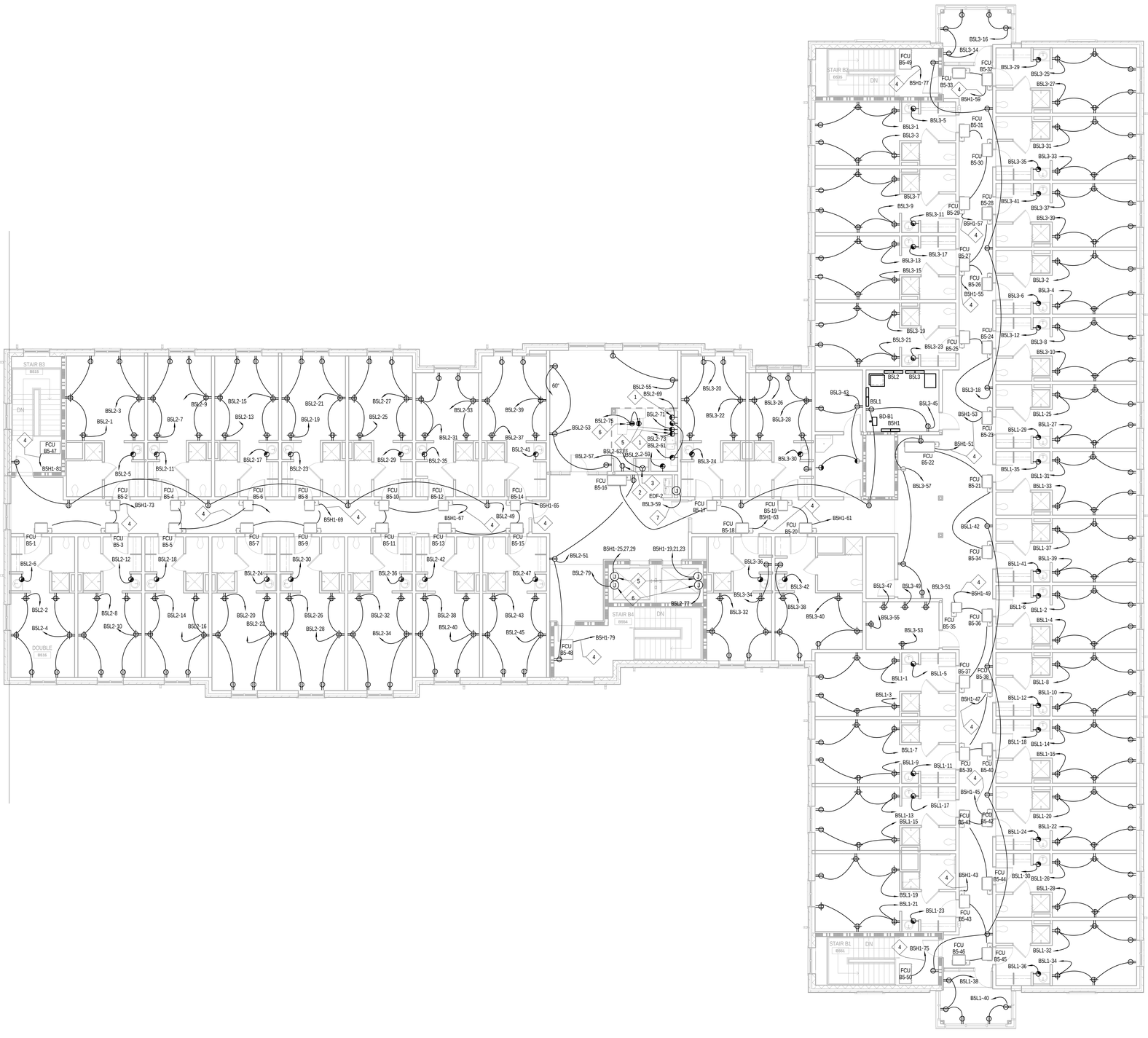
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FOURTH FLOOR POWER PLAN

SHEET NUMBER
EP104B

420 of 458



1 BUILDING B - FIFTH FLOOR POWER PLAN

1/8" = 1'-0"

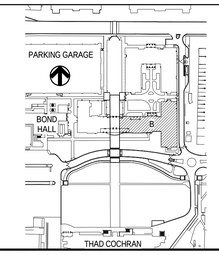
NORTH

3/9/2013 10:13:45 AM

KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. CONTROL PANEL FURNISHED WITH ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
6. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE SINGLE POLE SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
7. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

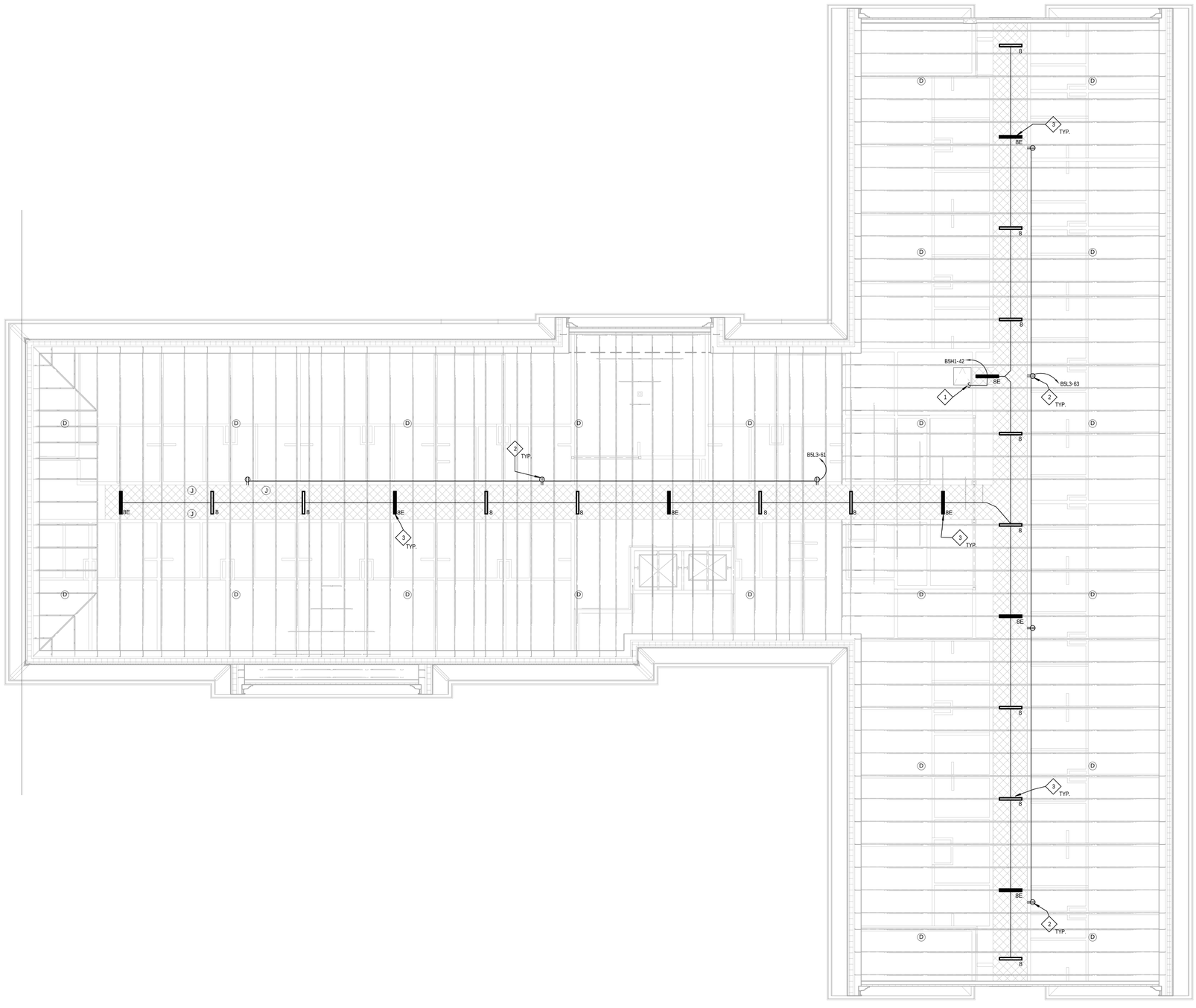
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FIFTH FLOOR POWER PLAN

SHEET NUMBER
EP105B

421 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING B - ATTIC ELECTRICAL PLAN
1/8" = 1'-0"

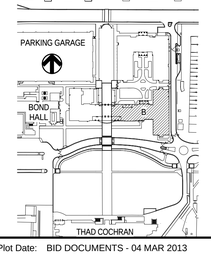
NORTH

3/9/2013 10:14:40 AM

KEYNOTES

1. SINGLE POLE SWITCH FOR LIGHTING CONTROL. MOUNT ON STRUCTURE WITHIN REACH FROM TOP OF ACCESS LADDER.
2. 120V-1P-20A RECEPTACLE. MOUNT ON STRUCTURE NEAR CATWALK.
3. MOUNT LIGHT FIXTURE FROM STRUCTURE AT 8'-0" ABOVE CATWALK.

KEY PLAN



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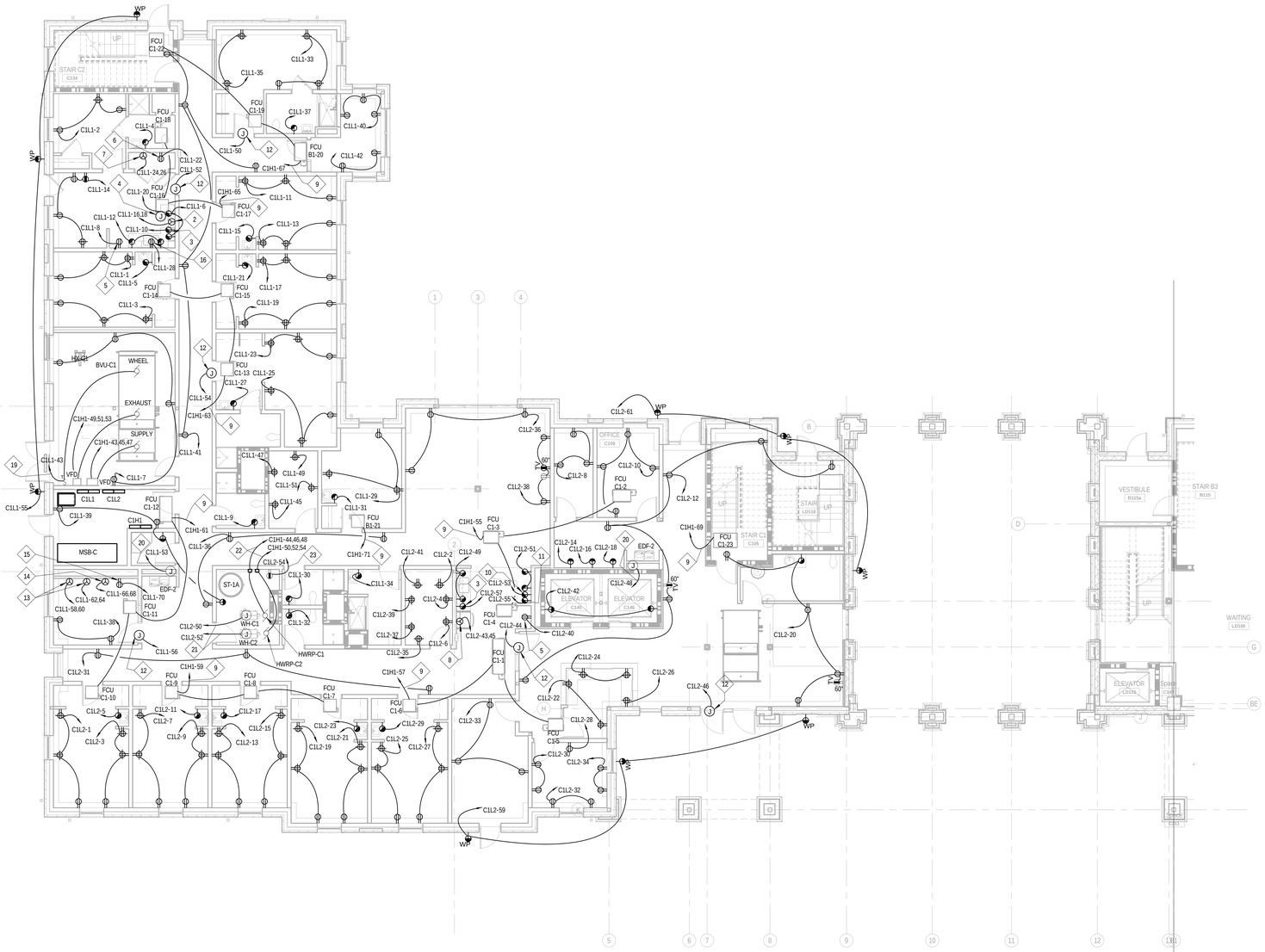
SHEET TITLE
BUILDING B - ATTIC ELECTRICAL PLAN

SHEET NUMBER
EP106B

422 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING C - FIRST FLOOR POWER PLAN

1/8" = 1'-0"

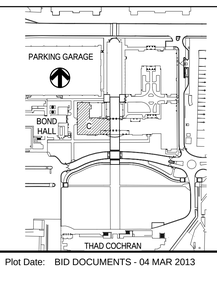
NORTH

3/9/2013 10:10:25 AM

KEYNOTES

1. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 208V-1P-50A RECEPTACLE FOR RANGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
4. PROVIDE 120V-1P-20A POWER FOR RANGE HOOD. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
5. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
6. PROVIDE 120V-1P-20A RECEPTACLE FOR WASHING MACHINE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
7. PROVIDE 208V-1P-30A RECEPTACLE FOR DRYER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING NEAR UNIT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
10. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
11. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
12. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
13. POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
14. POWER CONNECTION FOR DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
15. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
16. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISPOSER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION AND CONNECT TO EQUIPMENT AS REQUIRED.
17. POWER CONNECTION FOR BUILDING VENTILATION UNIT (SUPPLY FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
18. POWER CONNECTION FOR BUILDING VENTILATION UNIT (RETURN FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
19. POWER CONNECTION FOR BUILDING VENTILATION UNIT (ENERGY WHEEL). PROVIDE MOTOR RATED SWITCH DISCONNECT AND DEFINITE PURPOSE CONTACTOR FOR INTERFACED WITH MECHANICAL CONTROLS. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
20. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
21. POWER CONNECTION FOR BOILER. PROVIDE MOTOR RATED SWITCH DISCONNECT AT BOILER. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
22. POWER CONNECTION FOR HOT WATER RECIRCULATING PUMP (HWRP). PROVIDE 480V-3P-30A COMBINATION STARTER / DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
23. PROVIDE 120V-1P RECEPTACLE FOR POWER TO HOT WATER RECIRCULATING PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



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PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

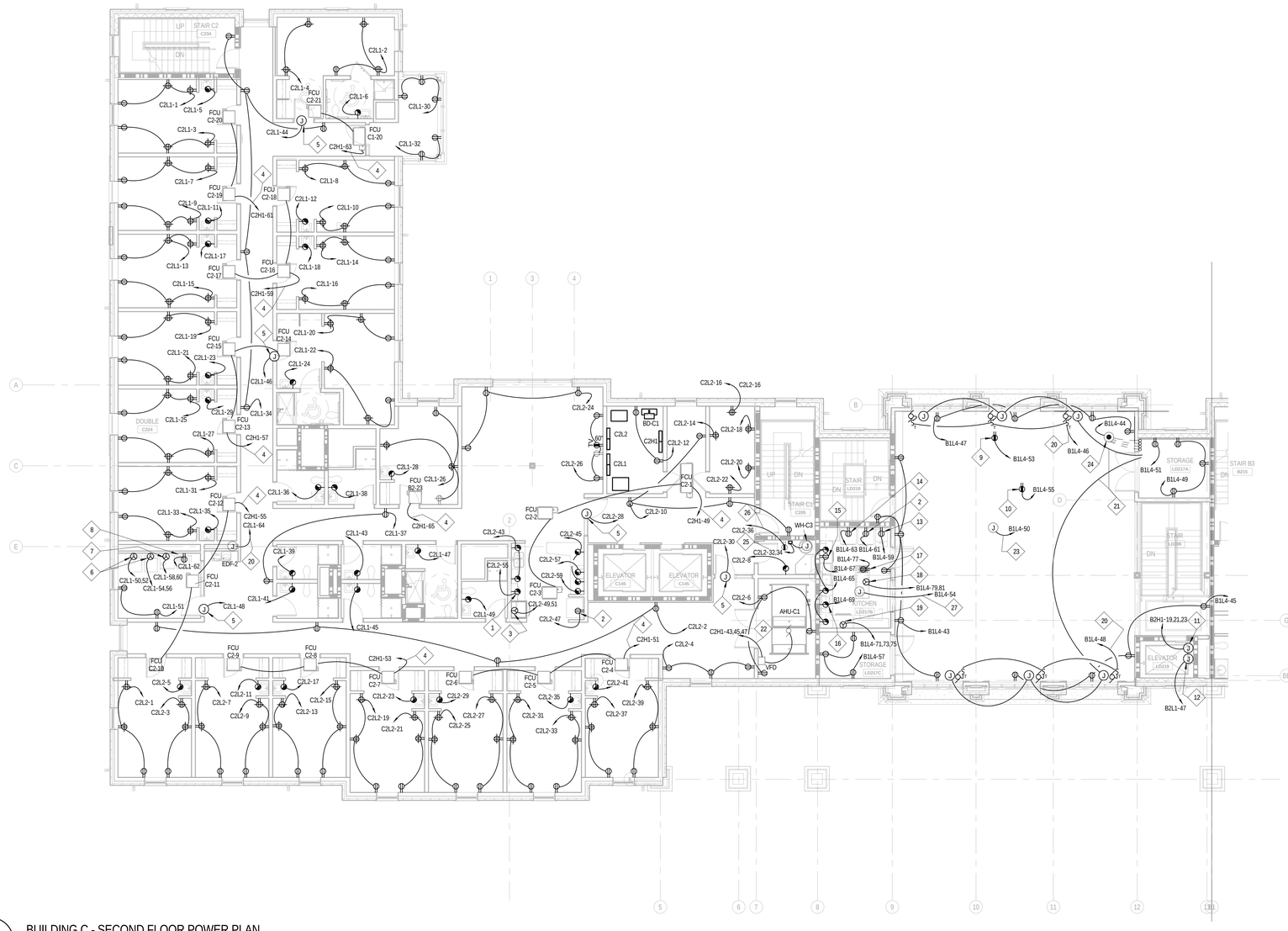
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIRST FLOOR POWER PLAN

SHEET NUMBER
EP101C

423 of 458

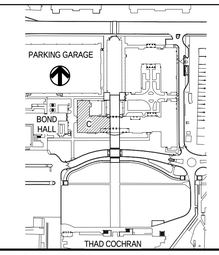
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
6. POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
7. POWER CONNECTION FOR DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. PROVIDE 120V-1P RECEPTACLE ABOVE CEILING FOR POWER TO CEILING MOUNTED PROJECTION SCREEN. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT INFORMATION.
10. PROVIDE 120V-1P RECEPTACLE ABOVE CEILING FOR POWER TO CEILING MOUNTED PROJECTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT INFORMATION.
11. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. CONTROL PANEL FURNISHED WITH ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
12. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE SINGLE POLE SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR.
13. PROVIDE 120V-1P-20A RECEPTACLE FOR ICE MAKER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
14. PROVIDE 120V-1P-20A RECEPTACLE FOR FREEZER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
15. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
16. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE COUNTER FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
17. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR GRIDDLE. PROVIDE CORD AND PLUG AS REQUIRED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
18. PROVIDE 208V-1P-50A RECEPTACLE UNDERCOUNTER FOR COOKTOP. PROVIDE CORD AND PLUG AS REQUIRED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
19. PROVIDE 208V-3P-50A RECEPTACLE WITH NEUTRAL, FOR DOUBLE OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
20. PROVIDE 120V-1P POWER CONNECTION FOR MOTORIZED BLINDS. PROVIDE MOTOR RATED SWITCH DISCONNECT AT UNIT. CONTROL OF BLINDS SHALL BE FROM WALL SWITCH AT LECTERN AND THROUGH CONTROL SYSTEM. SEE KEYNOTE 21.
21. PROVIDE 1/2" CONDUIT FOR CONTROL WIRING TO BLINDS. ROUTE FORM BLINDS TO ABOVE ACCESSIBLE CEILING IN STORAGE LD217A. COORDINATE EXACT INTERFACE WITH EXISTING A/V CONTROL SYSTEM AND PROVIDE HARDWARE AS REQUIRED. BLINDS WILL BE CONTROLLED FROM WALL SWITCHES AND THROUGH A/V SYSTEM.
22. POWER CONNECTION FOR AIR HANDLING UNIT (AHU). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VDF TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
23. POWER FOR TERMINAL UNITS (FCU). EXTEND CIRCUIT TO TERMINAL UNITS AS REQUIRED (MAX. 10 PER CIRCUIT). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING AT EACH TERMINAL UNIT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
24. POWER - AUDIO / VISUAL FLOOR BOX. SEE DESCRIPTION ON ELECTRICAL LEGEND, SHEET E001. PROVIDE (4) 1 1/4" CONDUIT STUBBED UP IN STORAGE LD217A.VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
25. POWER CONNECTION FOR WATER HEATER. PROVIDE 208V-2P-30A NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
26. PROVIDE 120V-1P RECEPTACLE FOR POWER TO HOT WATER RECIRCULATING PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
27. 120V-1P POWER FOR KITCHEN HOOD. PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



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PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

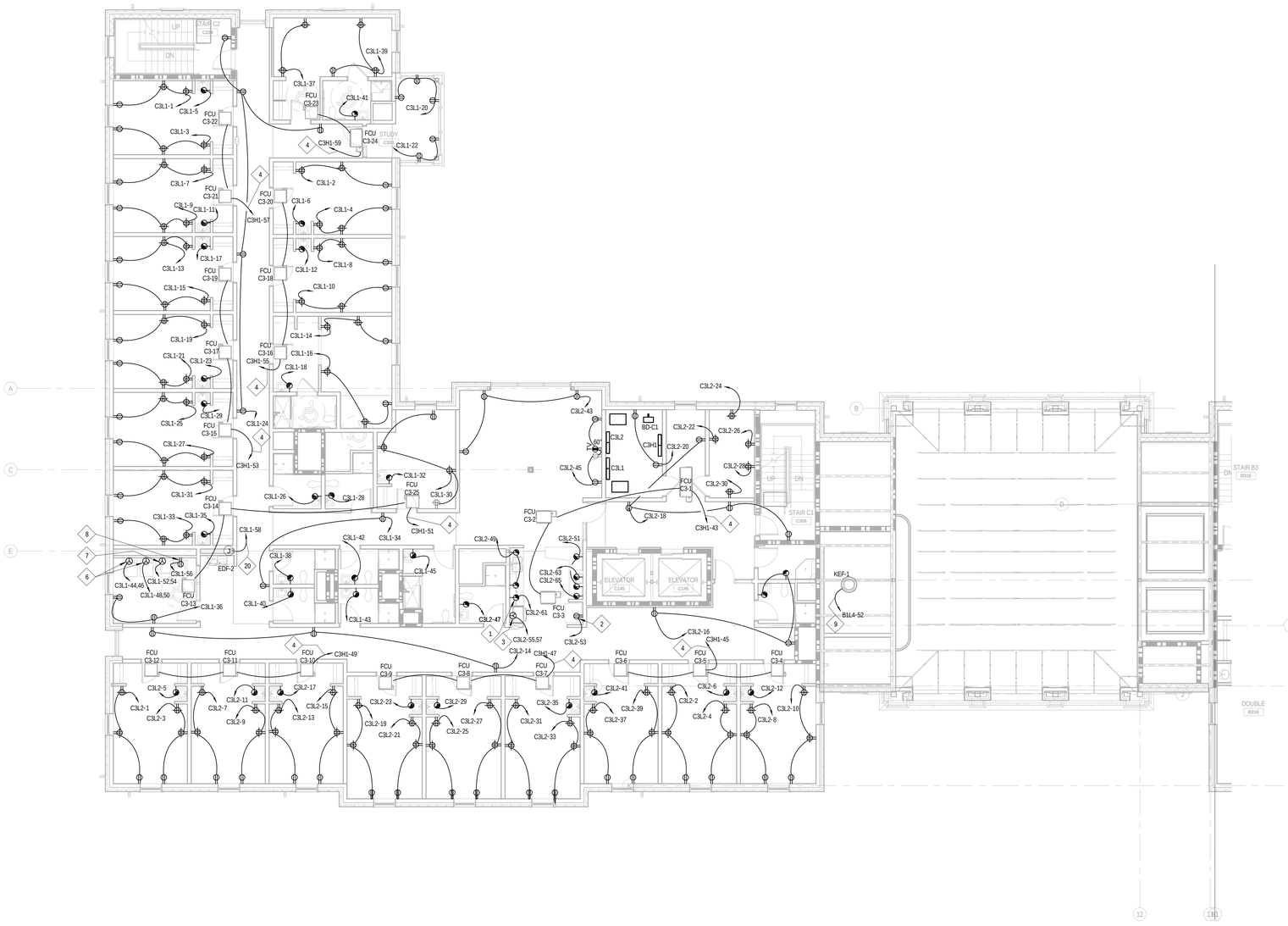
SHEET TITLE
BUILDING C - SECOND FLOOR POWER PLAN

SHEET NUMBER
EP102C

424 of 458

3/9/2013 10:22:20 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

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2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
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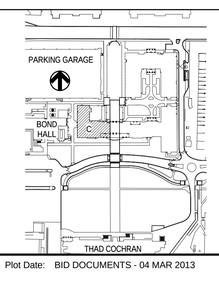
6. POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
7. POWER CONNECTION FOR DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. POWER FOR KITCHEN EXHAUST FAN. CONNECT TO FACTORY MOUNTED DISCONNECT SWITCH ON FAN. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.

KEY PLAN



NORTH

1 BUILDING C - THIRD FLOOR POWER PLAN
1/8" = 1'-0"

3/9/2013 10:12:17 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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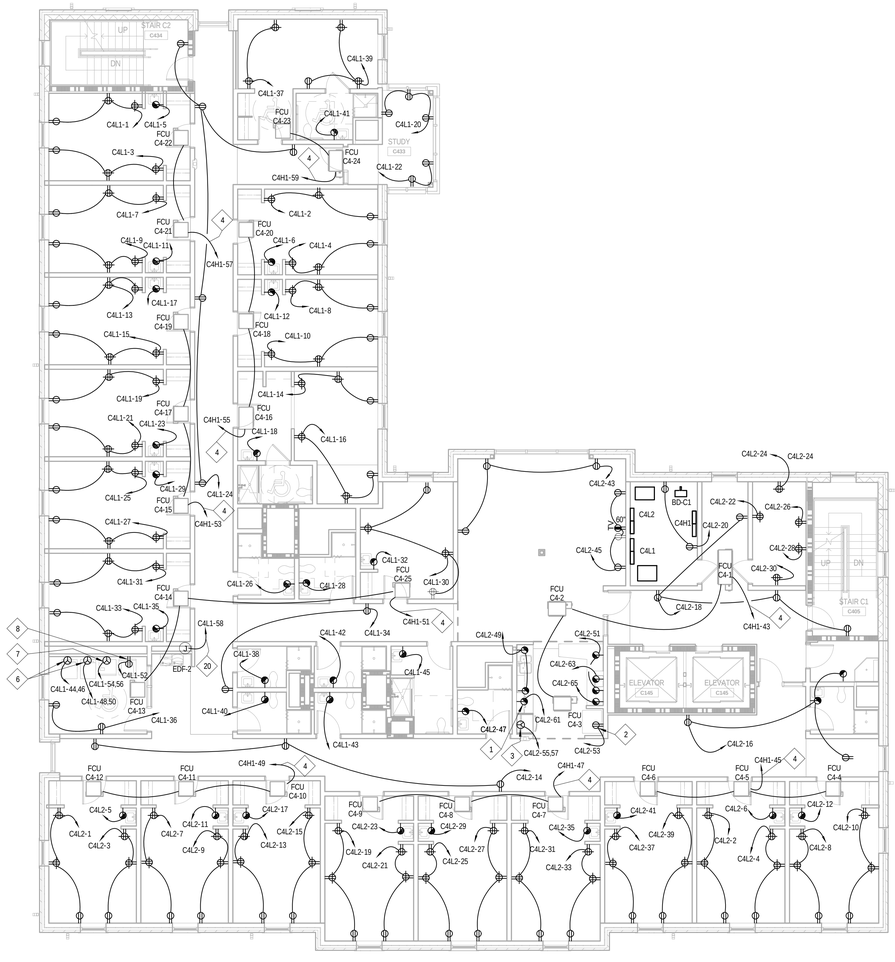
SHEET TITLE
BUILDING C - THIRD FLOOR POWER PLAN

SHEET NUMBER
EP103C

425 of 458



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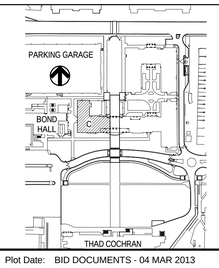
KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
6. POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
7. POWER CONNECTION FOR DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.

KEY PLAN



PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FOURTH FLOOR POWER PLAN

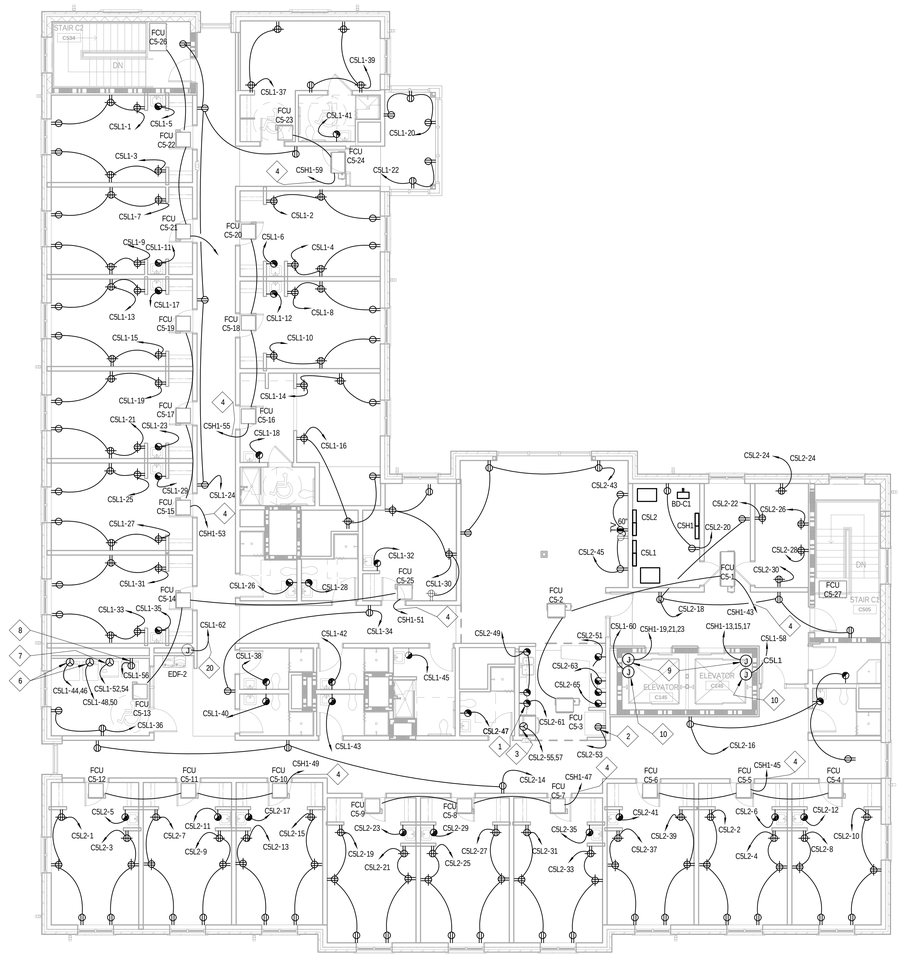
SHEET NUMBER
EP104C

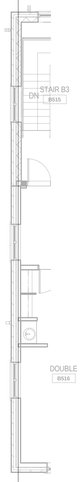
426 of 458

NORTH
1
1/8" = 1'-0"
BUILDING C - FOURTH FLOOR POWER PLAN

3/9/2013 10:13:27 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013





NORTH

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

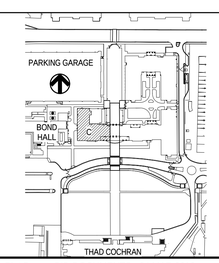
BUILDING C - FIFTH FLOOR POWER PLAN

3/9/2013 10:14:21 AM

KEYNOTES

1. PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V-1P-20A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4. POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTOR RATED SWITCH DISCONNECT AT EACH FCU. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU / TERMINAL UNIT DETAIL ON SHEET E004.
5. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
6. POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
7. POWER CONNECTION FOR DRYER. PROVIDE 30A-2P RECEPTACLE WITH NEUTRAL. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
8. POWER CONNECTION FOR WASHER. PROVIDE 20A-1P RECEPTACLE. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION.
9. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. CONTROL PANEL FURNISHED WITH ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR
10. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE SINGLE POLE SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR

KEY PLAN



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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

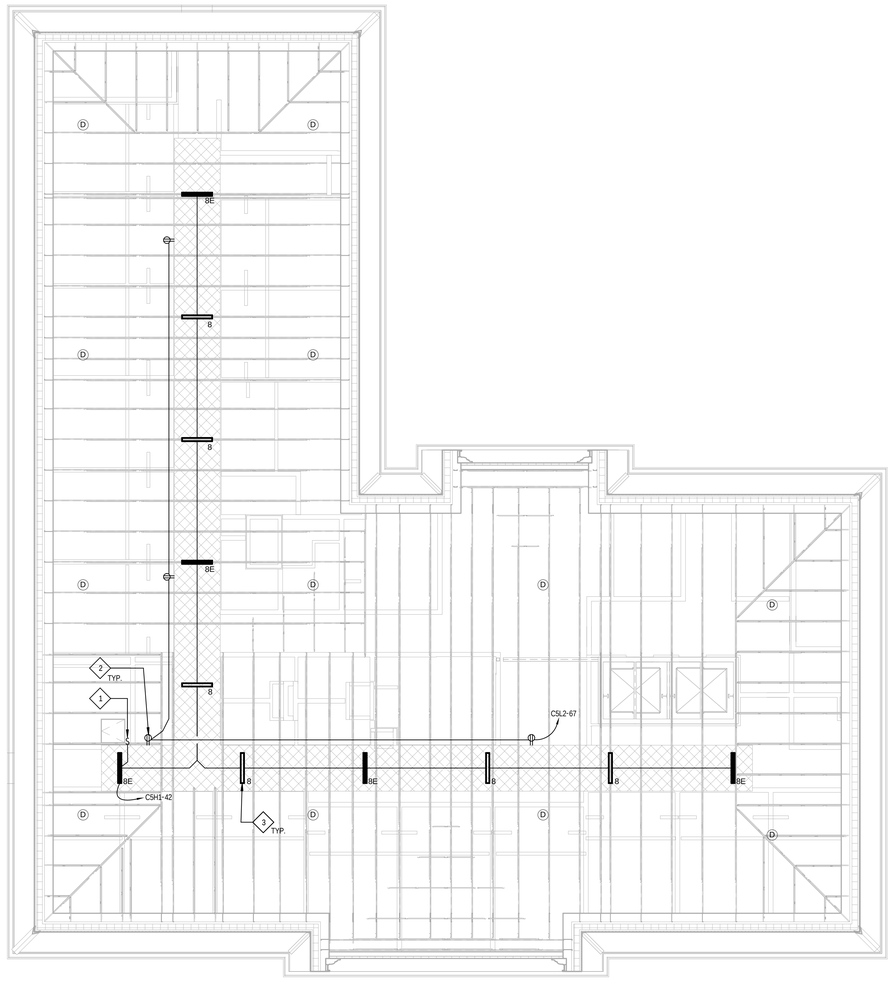
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIFTH FLOOR POWER PLAN

SHEET NUMBER
EP105C

427 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. SINGLE POLE SWITCH FOR LIGHTING CONTROL. MOUNT ON STRUCTURE WITHIN REACH FROM TOP OF ACCESS LADDER.
2. 120V-1P-20A RECEPTACLE. MOUNT ON STRUCTURE NEAR CATWALK.
3. MOUNT LIGHT FIXTURE FROM STRUCTURE AT 8'-0" ABOVE CATWALK.

NORTH

1 BUILDING C - ATTIC ELECTRICAL PLAN
1/8" = 1'-0"

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IHL# 208-297
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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

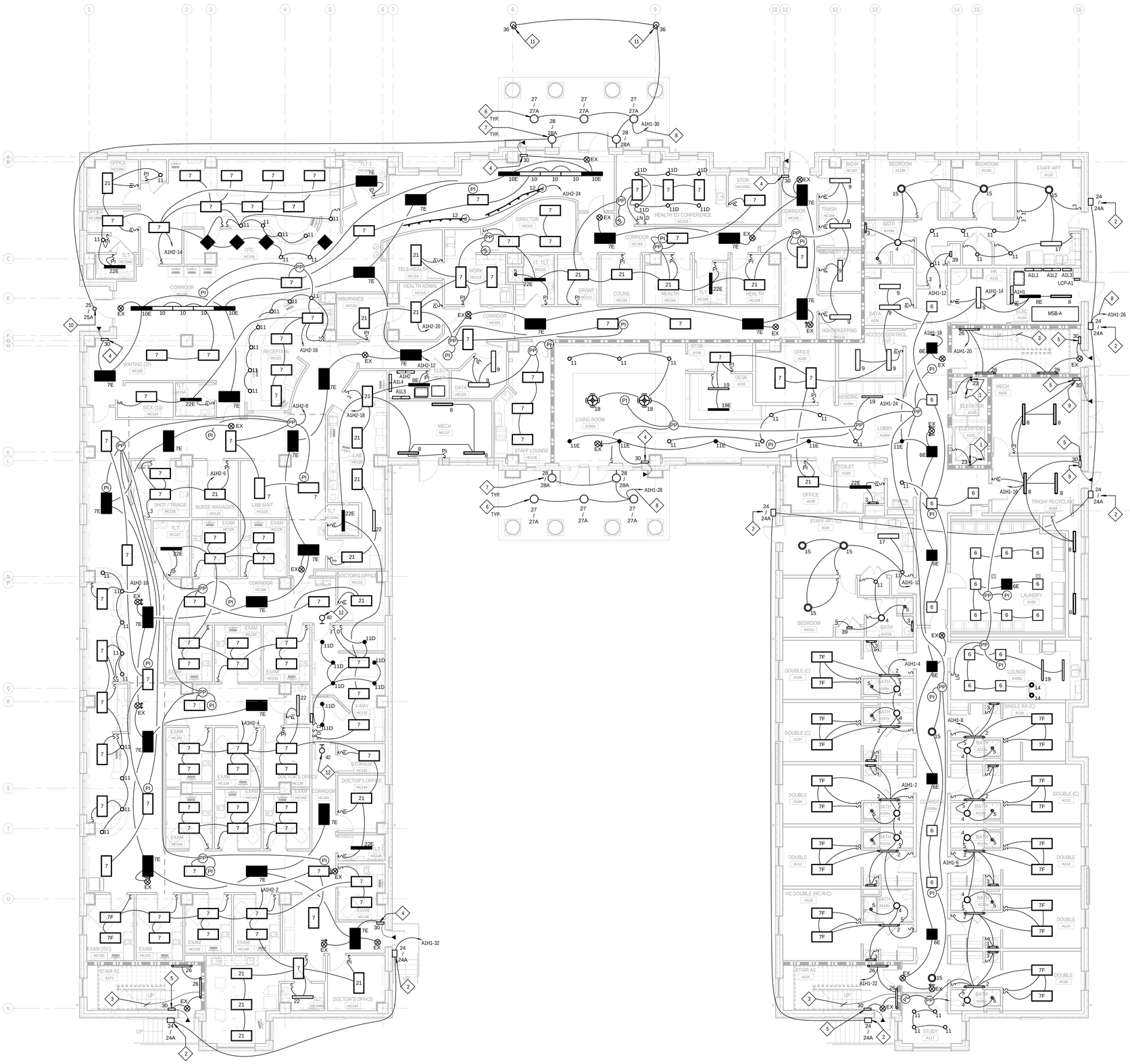
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - ATTIC ELECTRICAL PLAN

SHEET NUMBER
EP106C

3/9/2013 10:14:57 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING A - FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

3/9/2013 9:39:35 AM

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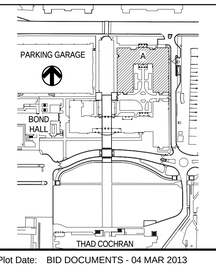
KEYNOTES

1. ELEVATOR PIT LIGHT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR EQUIPMENT. CONNECT TO RECEPTACLE CIRCUIT IN ELEVATOR PIT. SEE SHEET EP101A.
2. MOUNT FIXTURE AT 8'-0" A.F.F. PROVIDE TYPE "24" FIXTURE IN BASE BID. PROVIDE TYPE "24A" FIXTURE UNDER ALTERNATE #3.
3. UP TO TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102A.
4. MOUNT FIXTURE "30" ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
5. MOUNT FIXTURE "30" AT 9'-0" A.F.F. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
6. PROVIDE TYPE "27" FIXTURE IN BASE BID. PROVIDE TYPE "27A" FIXTURE UNDER ALTERNATE #3.
7. PROVIDE TYPE "28" FIXTURE IN BASE BID. PROVIDE TYPE "28A" FIXTURE UNDER ALTERNATE #3.
8. HOMERUN VIA LIGHTING CONTROL PANEL "LCP-A1" LOCATED IN ELEC. A124. SEE DETAIL ON SHEET E004.
9. PROVIDE NON-SWITCHED CONDUCTOR TO EXIT / EMERGENCY FIXTURE.
10. PROVIDE TYPE "25" FIXTURE IN BASE BID. PROVIDE TYPE "25A" FIXTURE UNDER ALTERNATE #3.
11. SEE FIXTURE #36 MOUNTING DETAIL ON SHEET E007.
12. CONNECT "IN USE" FIXTURE TO RADIGRAPHIC EQUIPMENT AS REQUIRED BY MID-SOUTH MEDICAL IMAGING.

KEY PLAN



PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

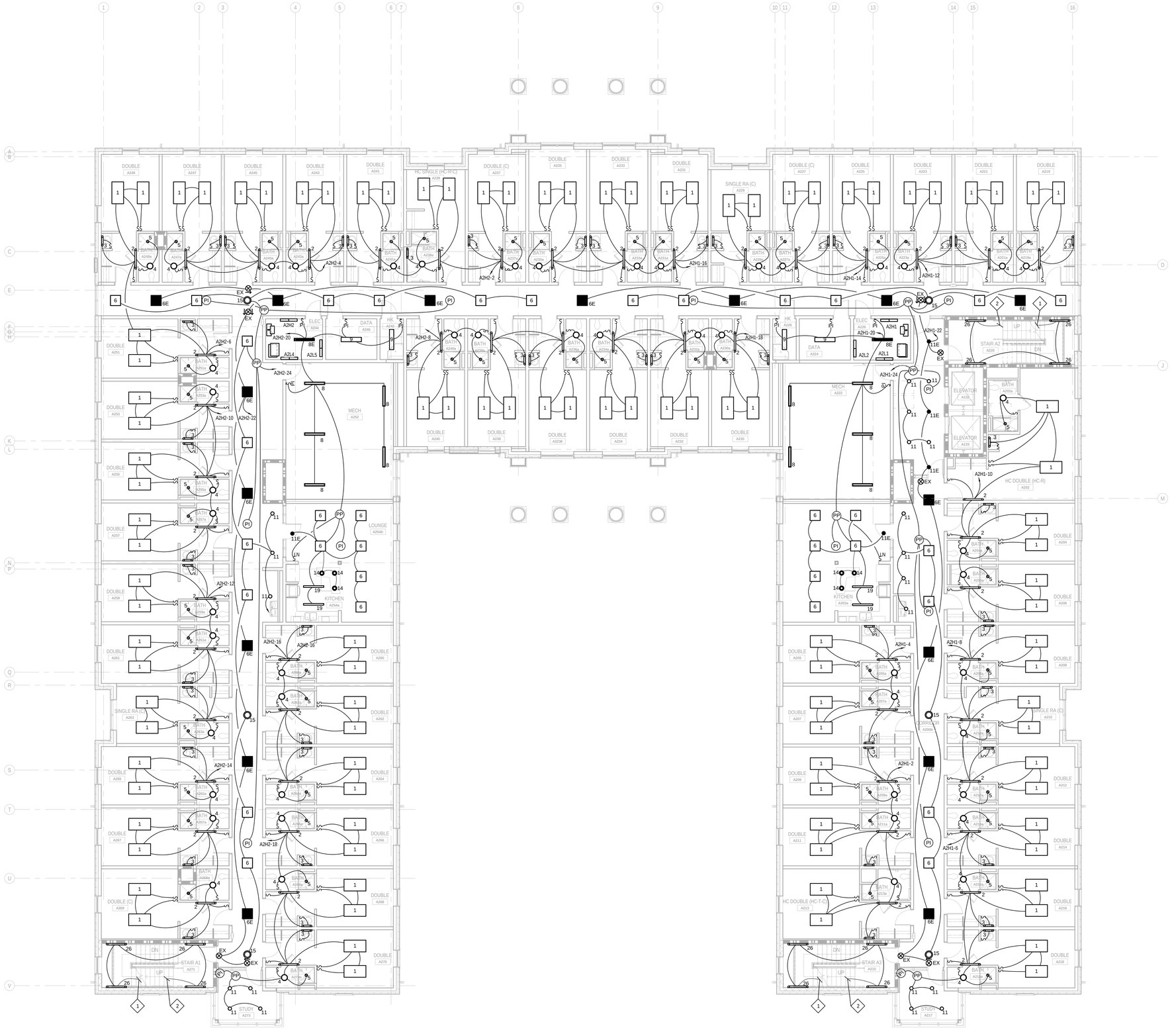
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FIRST FLOOR LIGHTING PLAN

SHEET NUMBER
EL101A

429 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



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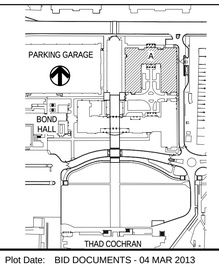
KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FIRST FLOOR. SEE SHEET EL101A.
2. UP TO TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103A.

KEY PLAN



PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

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CHECKED BY:
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DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - SECOND FLOOR LIGHTING PLAN

SHEET NUMBER
EL102A

430 of 458

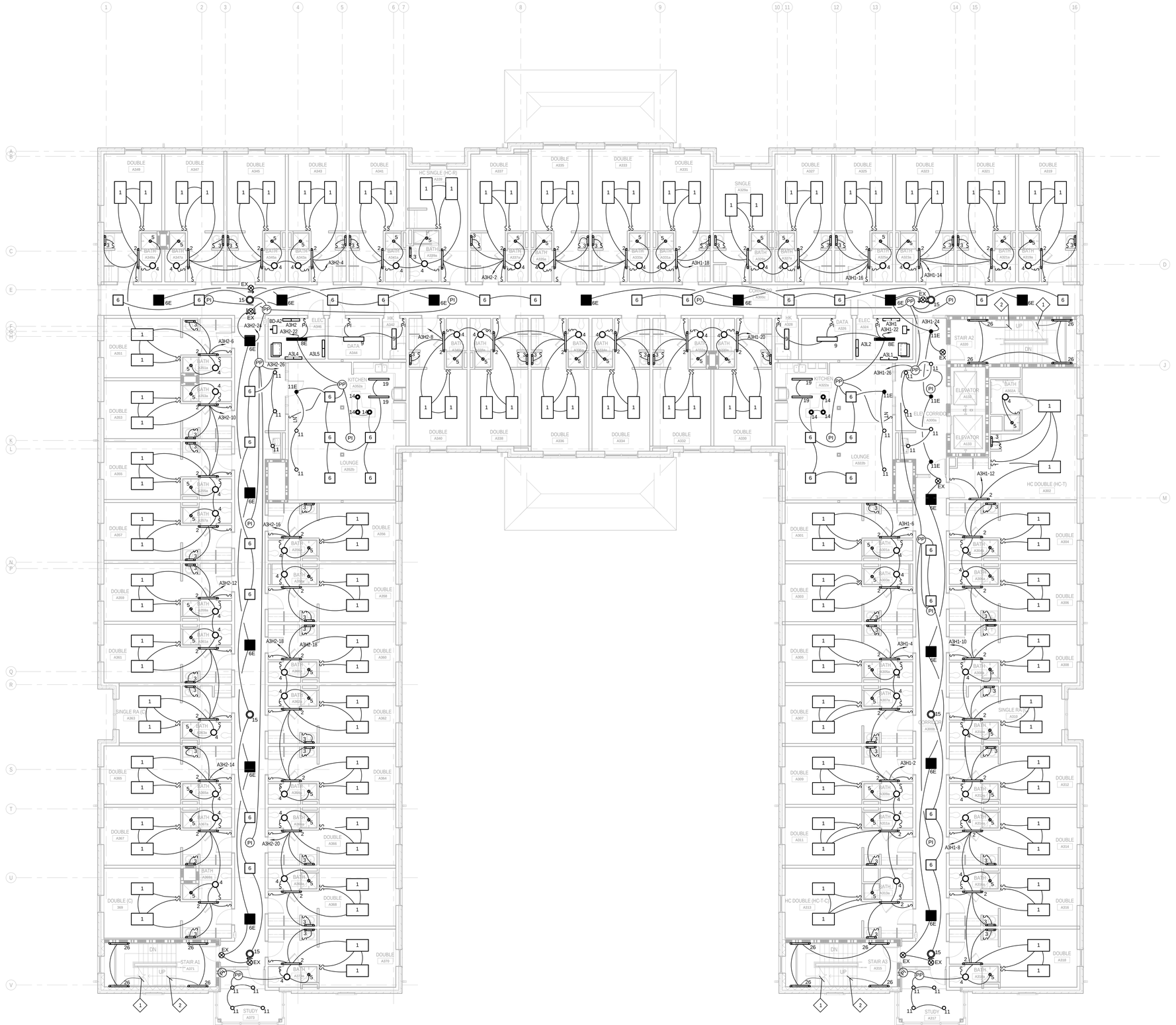
NORTH

1
1/8" = 1'-0"

BUILDING A - SECOND FLOOR LIGHTING PLAN

3/9/2013 9:43:24 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013



NORTH

1 BUILDING A - THIRD FLOOR LIGHTING PLAN
1/8" = 1'-0"

3/9/2013 9:43:47 AM

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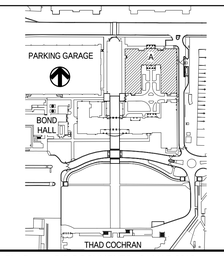
KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102A.
2. UP TO TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104A.

KEY PLAN



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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

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DATE ISSUED:
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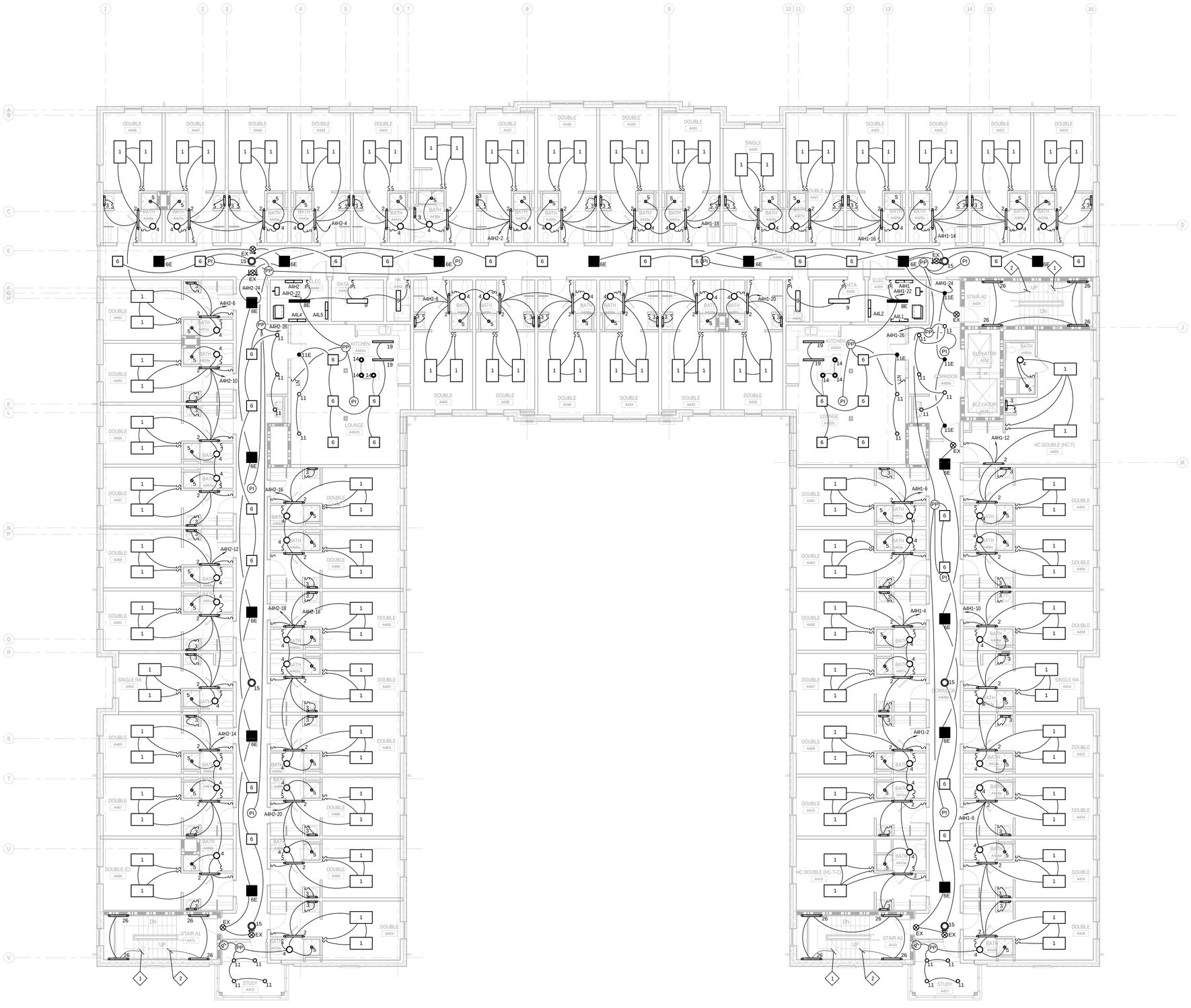
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - THIRD FLOOR LIGHTING PLAN

SHEET NUMBER
EL103A

431 of 458

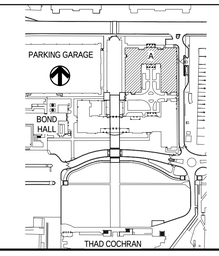
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103A.
2. UP TO TYPE "26" FIXTURE ON FIFTH FLOOR. SEE SHEET EL105A.

KEY PLAN



NORTH

1 1/8" = 1'-0"

BUILDING A - FOURTH FLOOR LIGHTING PLAN

3/9/2013 9:44:38 AM

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PROJECT TITLE
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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
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- DKH

CHECKED BY:
- JDL

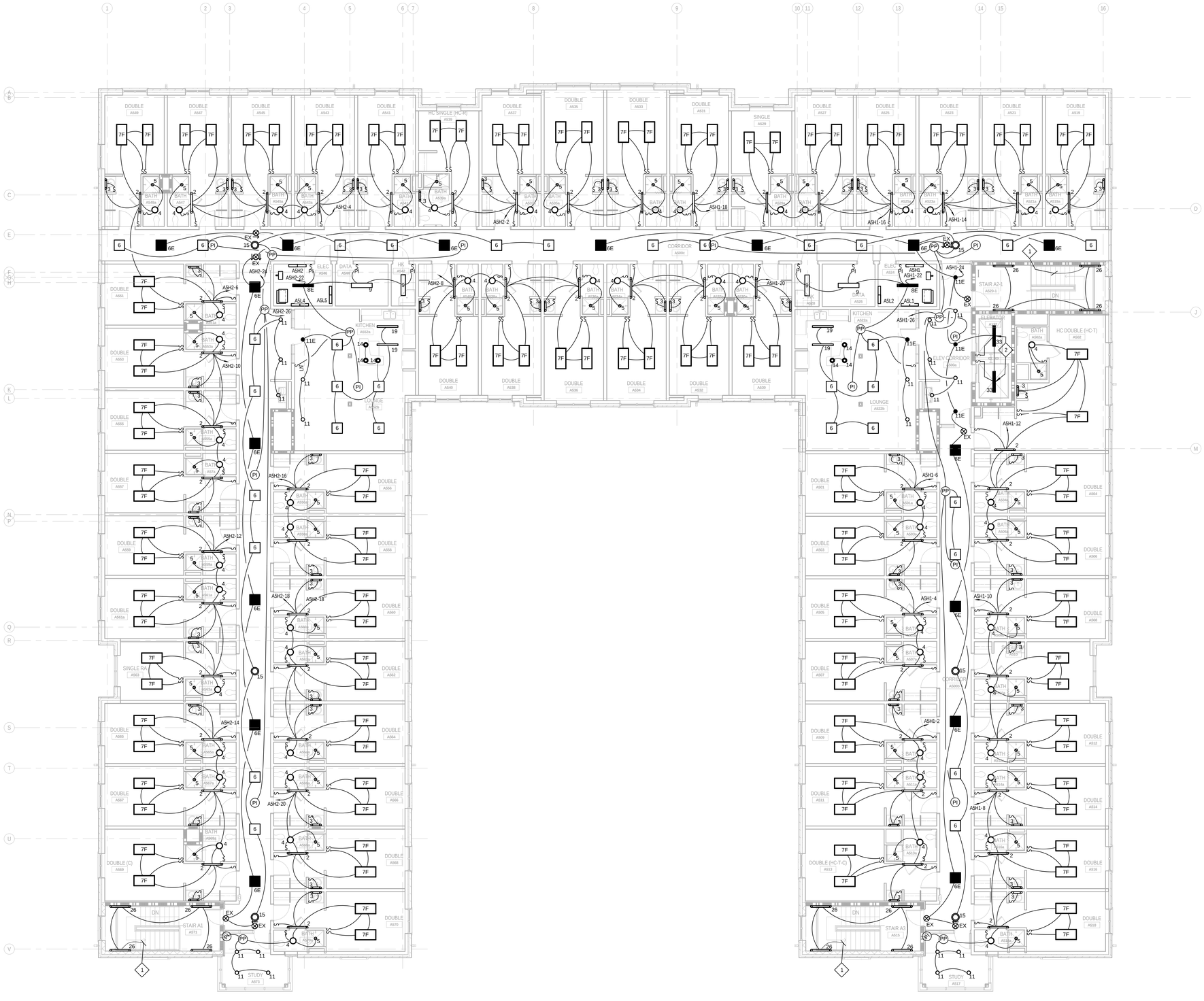
DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FOURTH FLOOR LIGHTING PLAN

SHEET NUMBER
EL104A

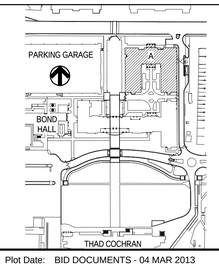
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104A.
2. PROVIDE TYPE "33" FIXTURE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR VENDOR INFORMATION.

KEY PLAN



NORTH

1 BUILDING A - FIFTH FLOOOR LIGHTING PLAN
1/8" = 1'-0"

3/9/2013 9:45:22 AM

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THE UNIVERSITY OF
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MISSISSIPPI

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- DKH

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- JDL

DATE ISSUED:
- 04 MAR 2013

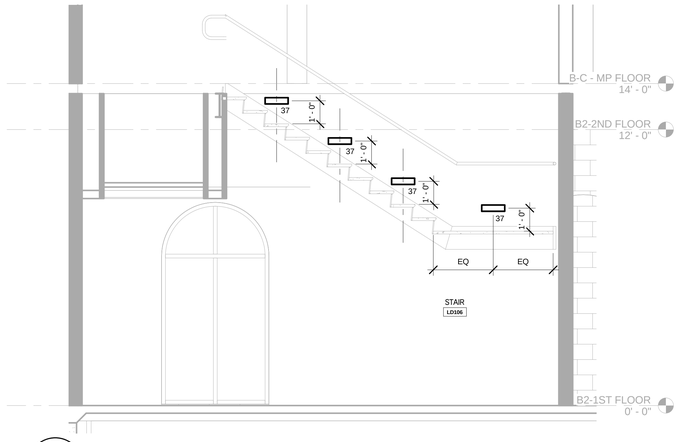
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FIFTH FLOOOR LIGHTING PLAN

SHEET NUMBER
EL105A

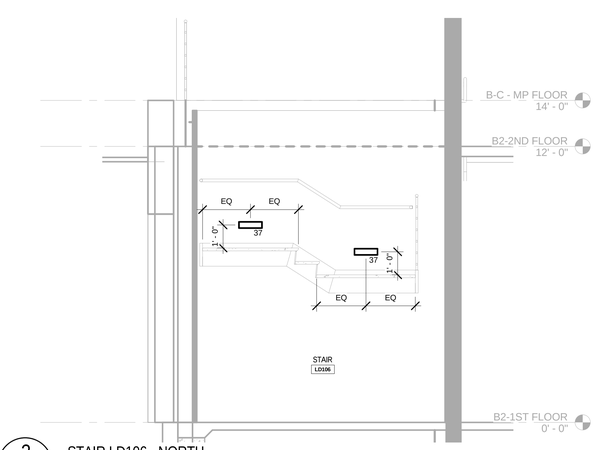
433 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



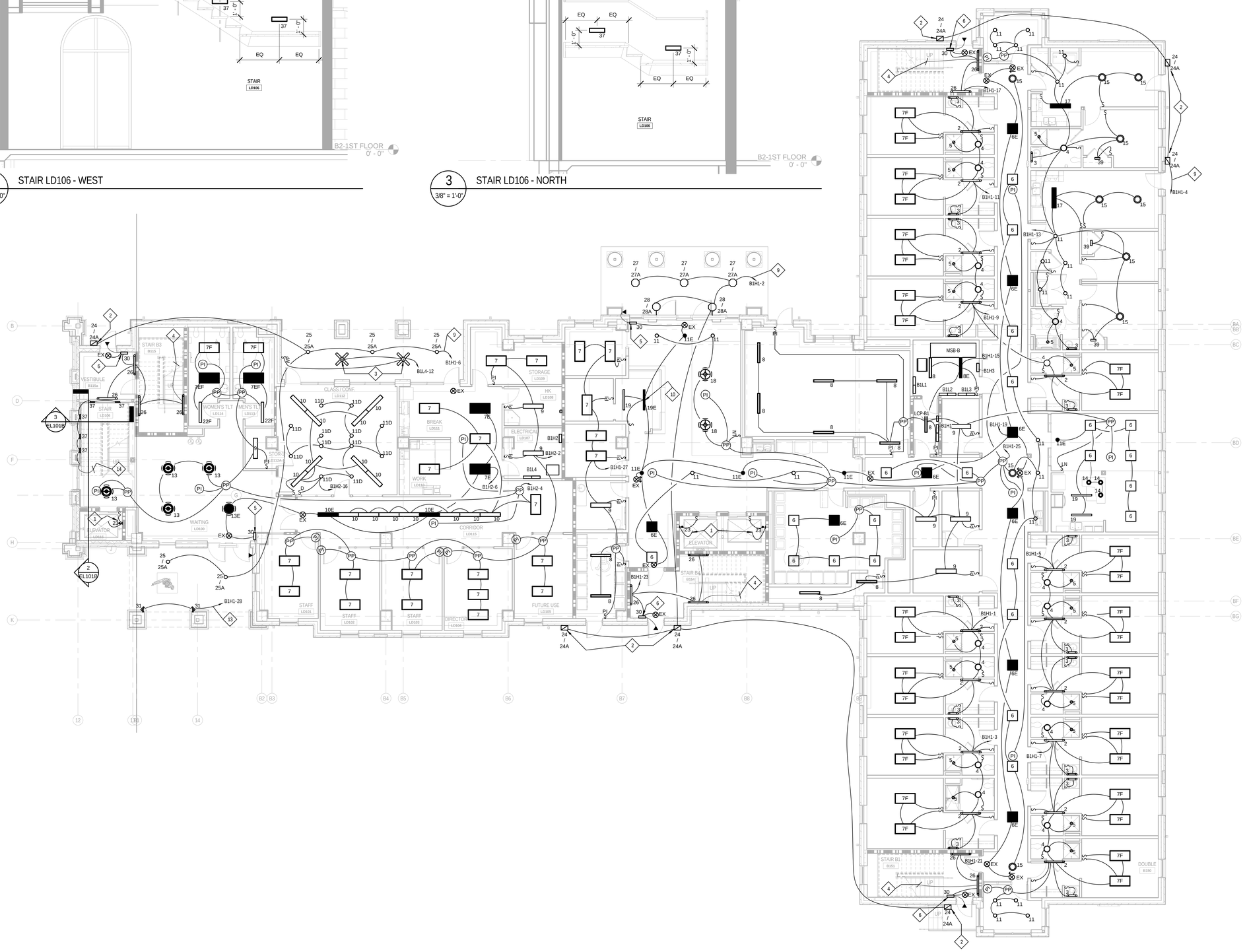
2 3/8" = 1'-0"

STAIR LD106 - WEST



3 3/8" = 1'-0"

STAIR LD106 - NORTH



1 1/8" = 1'-0"

NORTH

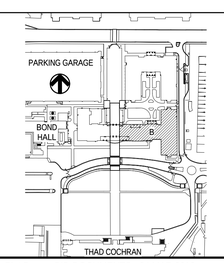
BUILDING B - FIRST FLOOR LIGHTING PLAN

3/9/2013 10:05:07 AM

KEYNOTES

1. ELEVATOR PIT LIGHT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR EQUIPMENT. CONNECT TO RECEPTACLE CIRCUIT IN ELEVATOR PIT. SEE SHEET EP101B.
2. MOUNT FIXTURE AT 8'-0" A.F.F. PROVIDE TYPE "24" FIXTURE IN BASE BID. PROVIDE TYPE "24A" FIXTURE UNDER ALTERNATE #3.
3. HUNTER CEILING FAN MODEL #23566. RATED FOR OUTDOOR USE. PROVIDE WALL MOUNTED THREE SPEED FAN CONTROL SWITCH AND ALL RELATED ACCESSORIES. COORDINATE LOCATION WITH ARCHITECT.
4. UP TO TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102B.
5. MOUNT FIXTURE "30" ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
6. MOUNT FIXTURE "30" AT 9'-0" A.F.F. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
7. PROVIDE TYPE "27" FIXTURE IN BASE BID. PROVIDE TYPE "27A" FIXTURE UNDER ALTERNATE #3.
8. PROVIDE TYPE "28" FIXTURE IN BASE BID. PROVIDE TYPE "28A" FIXTURE UNDER ALTERNATE #3.
9. HOMERUN VIA LIGHTING CONTROL PANEL "LCP-B1" LOCATED IN VESTIBULE B125a. SEE DETAIL ON SHEET E004.
10. PROVIDE NON-SWITCHED CONDUCTOR TO EMERGENCY BALLAST IN FIXTURE "19E".
11. PROVIDE TYPE "25" FIXTURE IN BASE BID. PROVIDE TYPE "25A" FIXTURE UNDER ALTERNATE #3.
12. PROVIDE NON-SWITCHED CONDUCTOR TO EXIT / EMERGENCY FIXTURE.
13. HOMERUN VIA LIGHTING CONTROL PANEL "LCP-B1" LOCATED IN VESTIBULE B125a. SEE DETAIL ON SHEET E004. PROVIDE LINE VOLTAGE DIMMER LOCATED ADJACENT TO "LCP-B1".
14. UP TO POWER PACK SERVING FIXTURE TYPE 13 ON FLOOR ABOVE. SEE SHEET EL102C.

KEY PLAN



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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

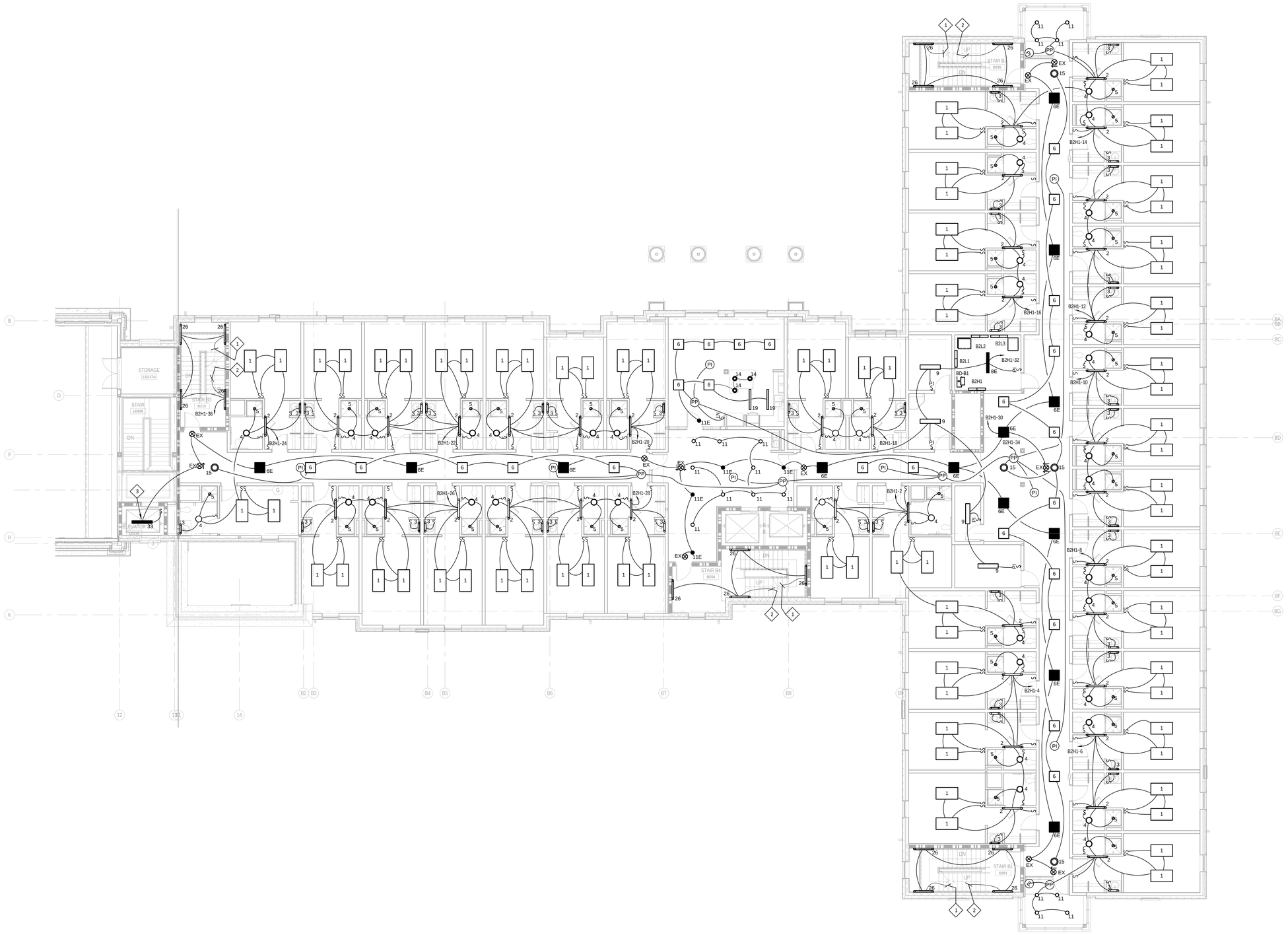
PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FIRST FLOOR LIGHTING PLAN

SHEET NUMBER
EL101B

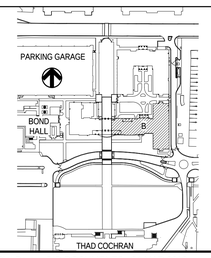
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FIRST FLOOR. SEE SHEET EL101B.
2. UP TO TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103B.
3. PROVIDE TYPE "33" FIXTURE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR VENDOR INFORMATION.

KEY PLAN



NORTH

1 BUILDING B - SECOND FLOOR LIGHTING PLAN

1/8" = 1'-0"

3/9/2013 10:05:45 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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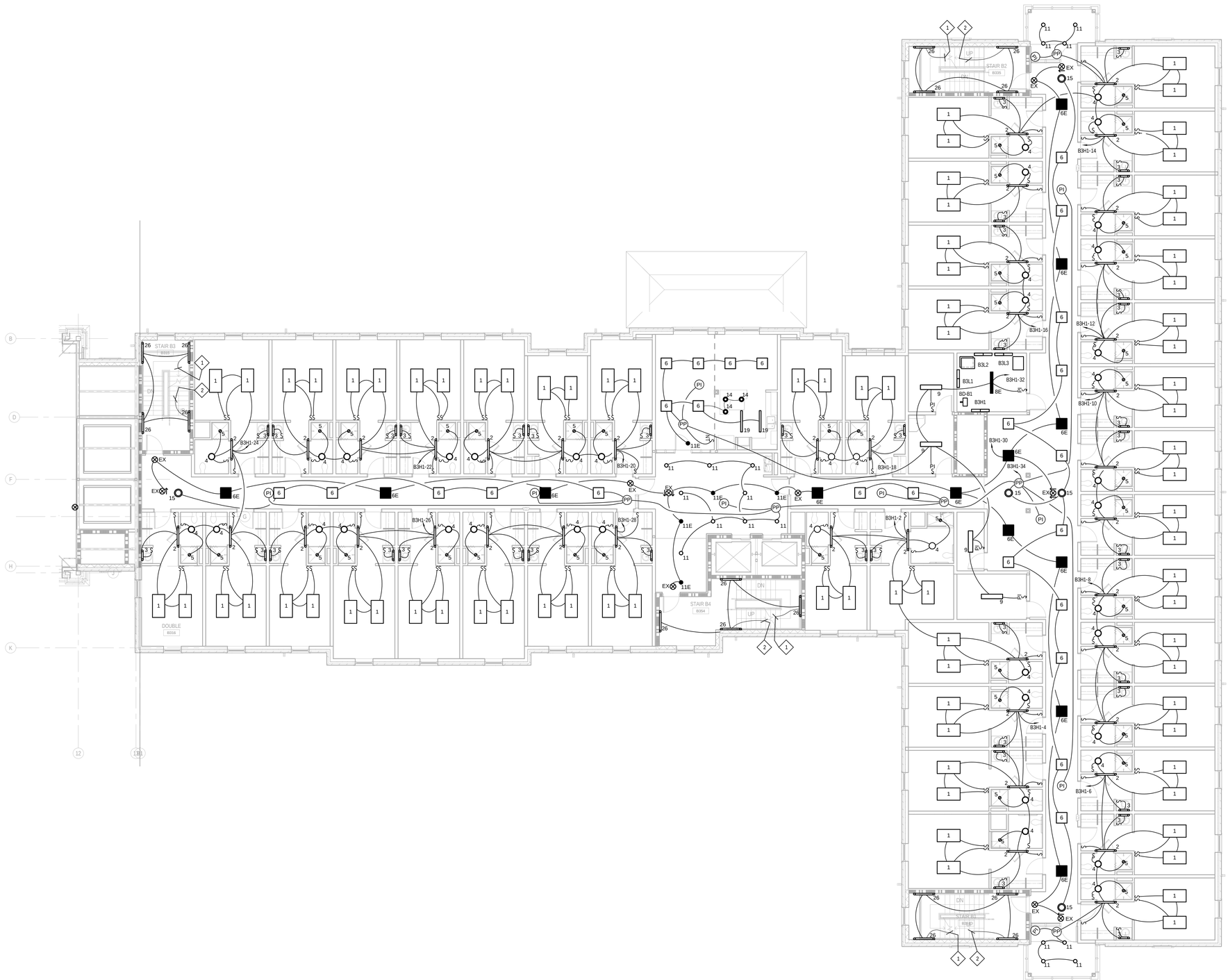
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - SECOND FLOOR LIGHTING PLAN

SHEET NUMBER
EL102B

435 of 458



NORTH

1 — 1/8" = 1'-0"

BUILDING B - THIRD FLOOR LIGHTING PLAN

3/9/2013 10:06:21 AM

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KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102B.
2. UP TO TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104B.

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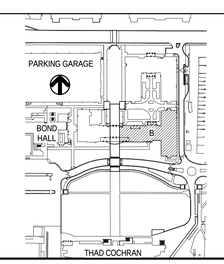
KEY PLAN



SHEET TITLE

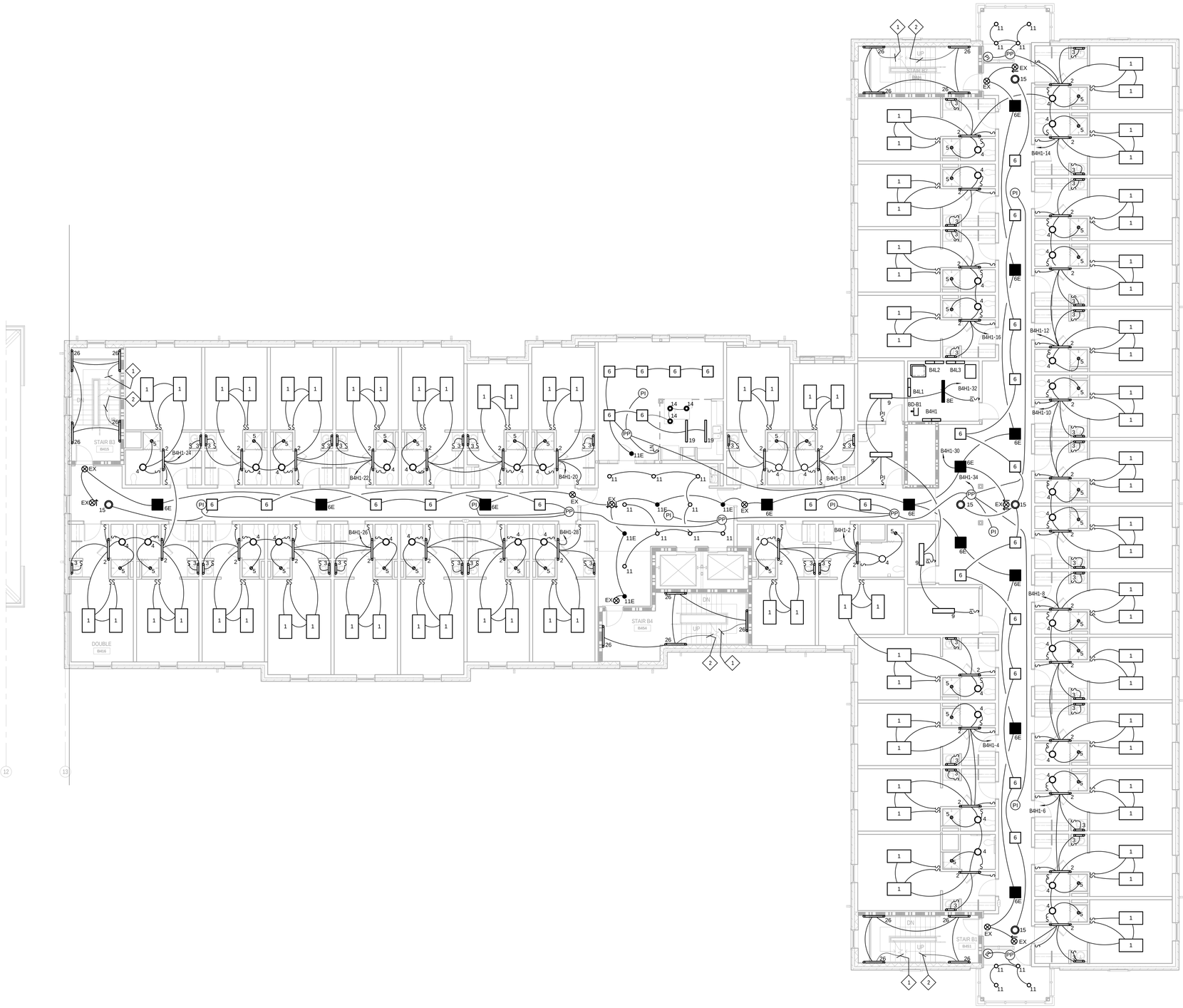
BUILDING B - THIRD FLOOR LIGHTING PLAN

SHEET NUMBER

EL103B

436 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



NORTH

1 BUILDING B - FOURTH FLOOR LIGHTING PLAN

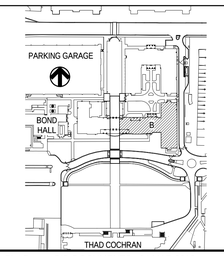
1/8" = 1'-0"

3/9/2013 10:07:03 AM

KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103B.
2. UP TO TYPE "26" FIXTURE ON FIFTH FLOOR. SEE SHEET EL105B.

KEY PLAN



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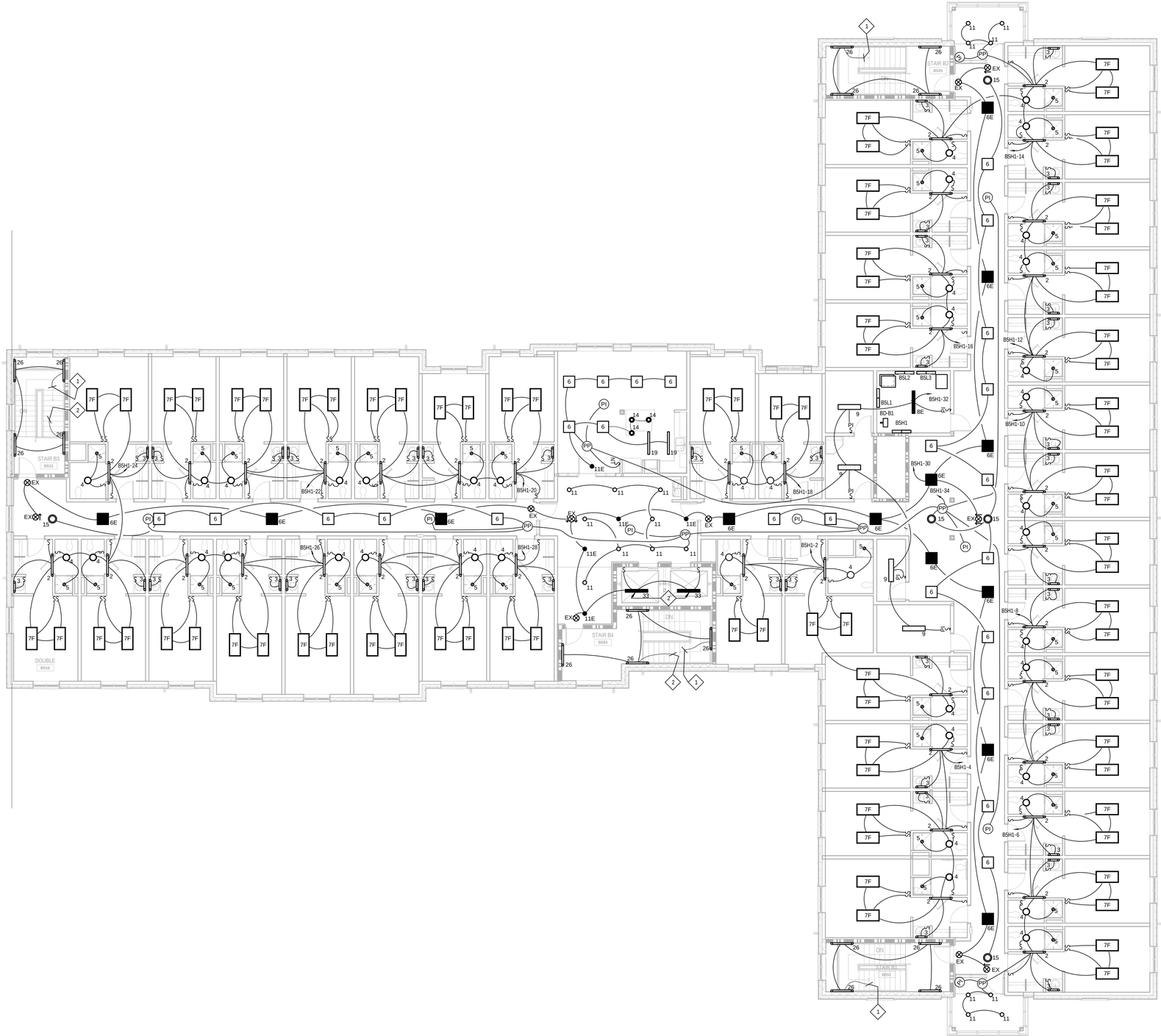
SHEET TITLE
BUILDING B - FOURTH FLOOR LIGHTING PLAN

SHEET NUMBER
EL104B

437 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1/8" = 1'-0"

NORTH

BUILDING B - FIFTH FLOOR LIGHTING PLAN

3/9/2013 10:09:29 AM

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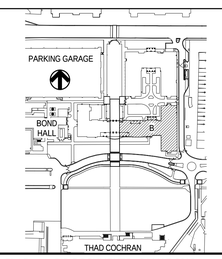
KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104B.
2. PROVIDE TYPE "33" FIXTURE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR VENDOR INFORMATION.

KEY PLAN



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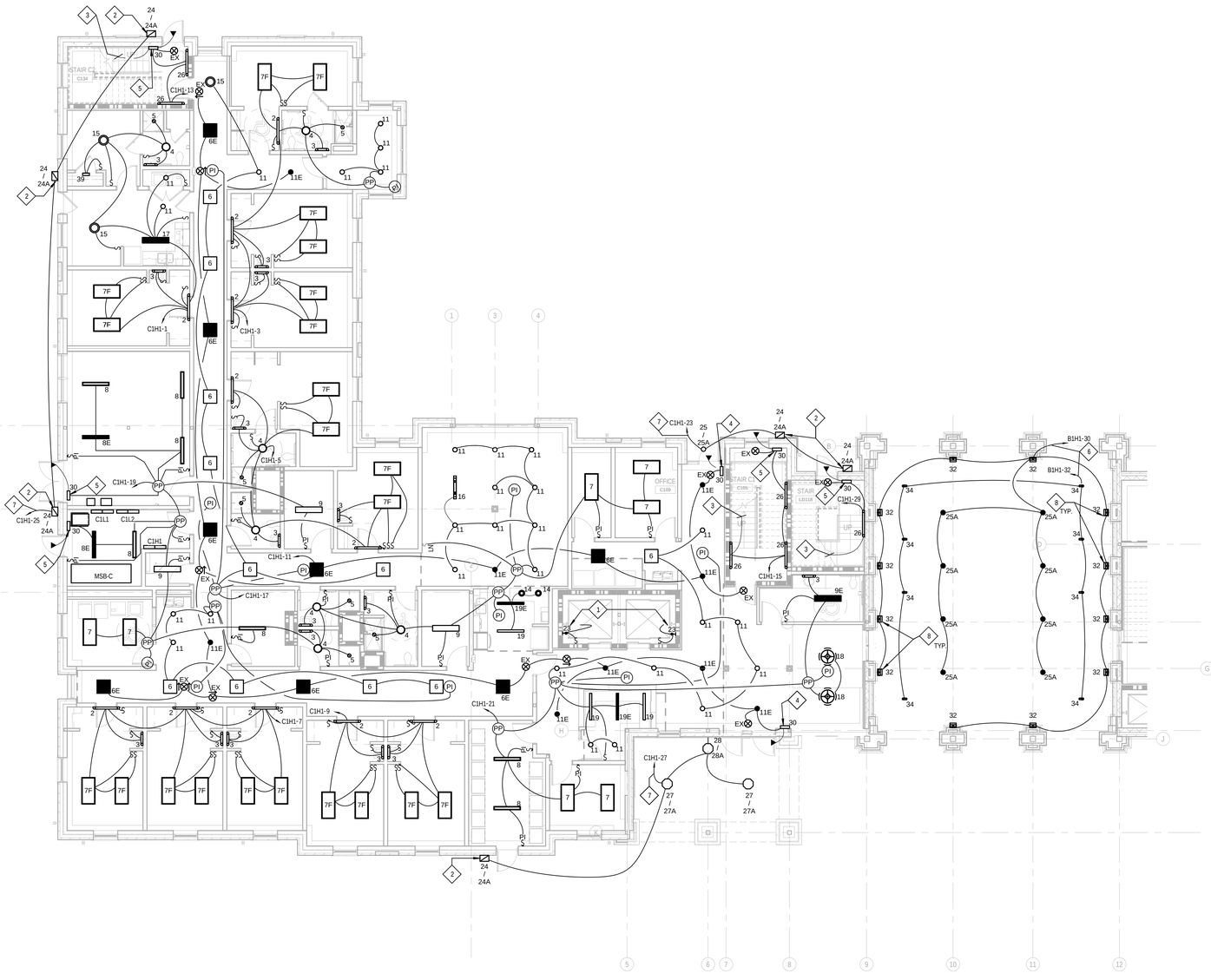
SHEET TITLE
BUILDING B - FIFTH FLOOR LIGHTING PLAN

SHEET NUMBER
EL105B

438 of 458

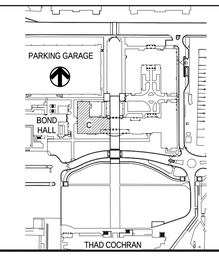
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. ELEVATOR PIT LIGHT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR EQUIPMENT. CONNECT TO RECEPTACLE CIRCUIT IN ELEVATOR PIT. SEE SHEET EP101C.
2. MOUNT FIXTURE AT 8'-0" A.F.F.
   PROVIDE TYPE "24" FIXTURE IN BASE BID.
   PROVIDE TYPE "24A" FIXTURE UNDER ALTERNATE #3.
3. UP TO TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102C.
4. MOUNT FIXTURE "30" ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
5. MOUNT FIXTURE "30" AT 9'-0" A.F.F. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.
6. HOMERUN VIA LIGHTING CONTROL PANEL "LCP-B1" LOCATED IN VESTIBULE B125a. SEE DETAIL ON SHEET E004.
7. HOMERUN VIA LIGHTING CONTROL PANEL "LCP-C1" LOCATED IN ELEC C122. SEE DETAIL ON SHEET E004.
8. MOUNT FIXTURE "32" AT 10'-0" A.F.F.

KEY PLAN



NORTH

1 — 1/8" = 1'-0"

BUILDING C - FIRST FLOOR LIGHTING PLAN

3/9/2013 10:05:27 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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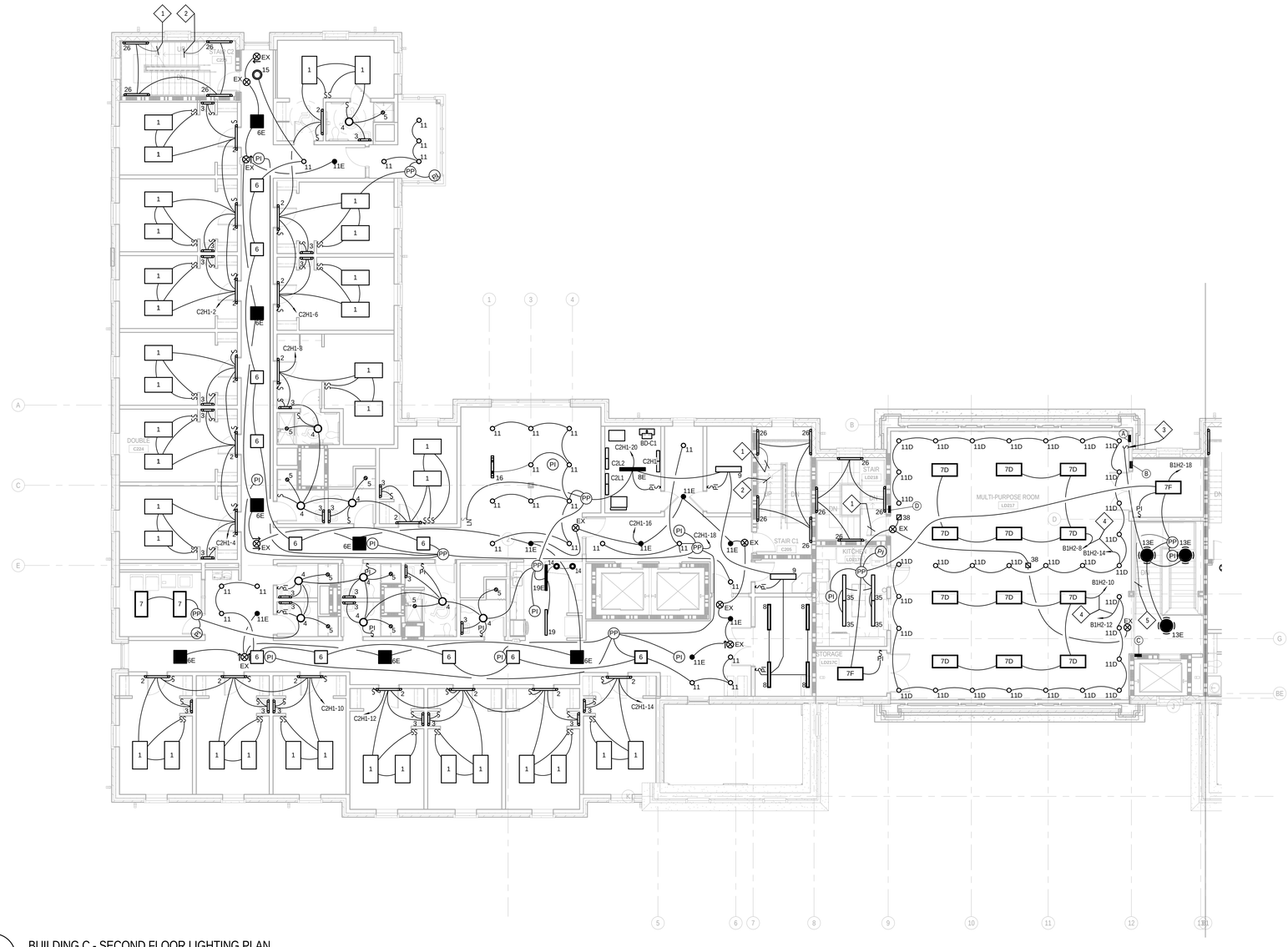
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIRST FLOOR LIGHTING PLAN

SHEET NUMBER
EL101C

439 of 458



1 BUILDING C - SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

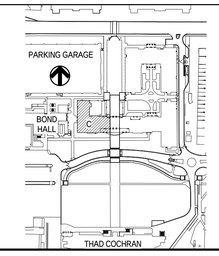
NORTH

3/9/2013 10:06:00 AM

KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FIRST FLOOR. SEE SHEET EL101C.
2. UP TO TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103C.
3. PROVIDE OVERRIDE SWITCH TO CONTROL (3) TYPE "13" FIXTURES AS INDICATED TO ALLOW THESE FIXTURES TO BE TURNED OFF IF NECESSARY.
4. HOMERUN THROUGH LIGHTING CONTROL SYSTEM POWER EXTENDER. SEE MULTI-PURPOSE ROOM LD217 LIGHTING CONTROL DETAIL ON SHEET E007.
5. DOWN TO STEP LIGHTS TYPE "37". STEP LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR.

KEY PLAN



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DATE ISSUED:
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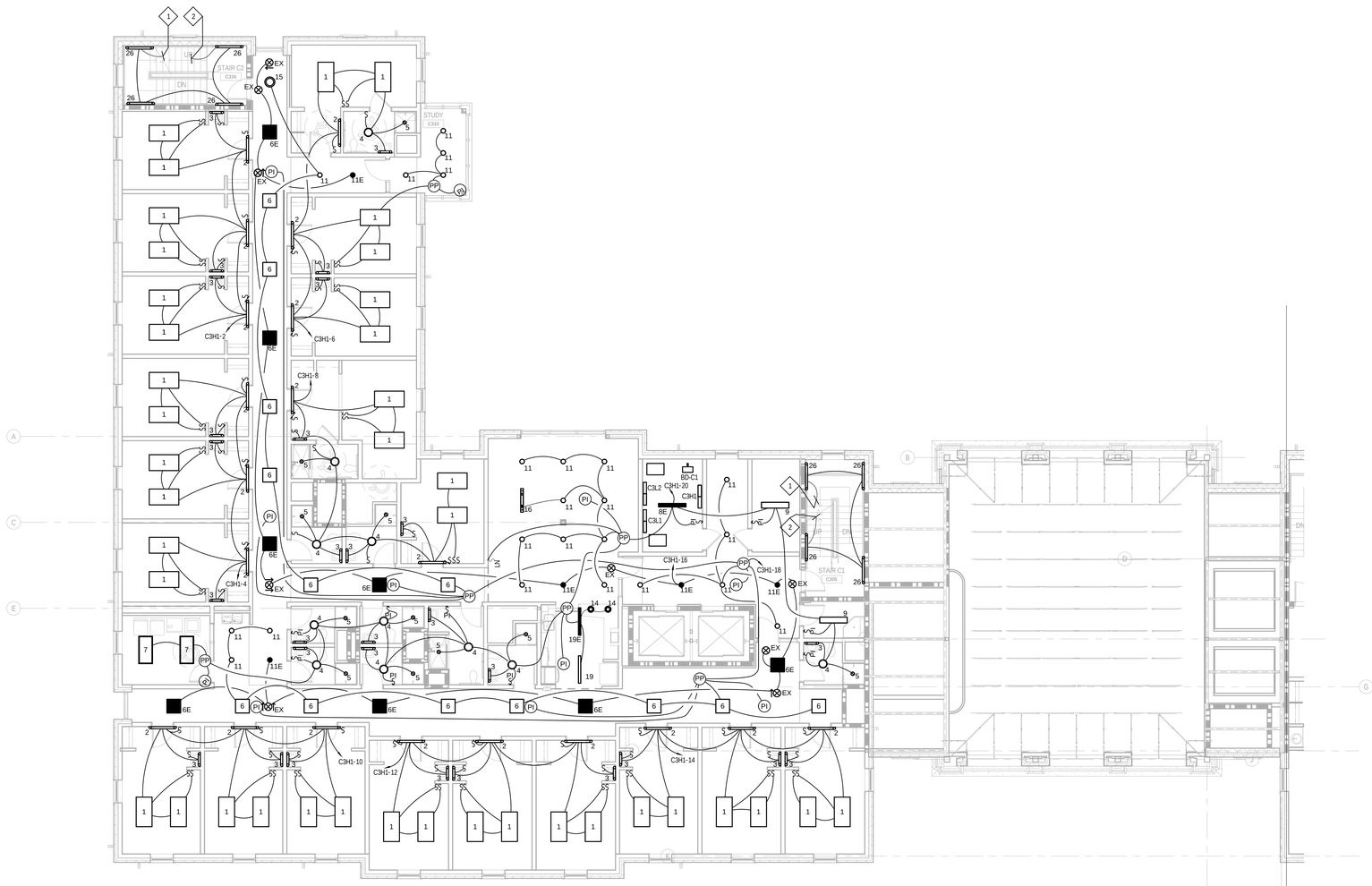
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - SECOND FLOOR LIGHTING PLAN

SHEET NUMBER
EL102C

440 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

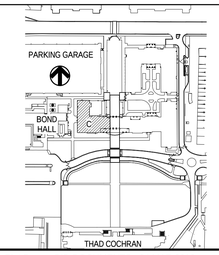
1. UP FROM TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102C.
2. UP TO TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104C.

NORTH

1 BUILDING C - THIRD FLOOR LIGHTING PLAN
1/8" = 1'-0"

3/9/2013 10:06:37 AM

KEY PLAN



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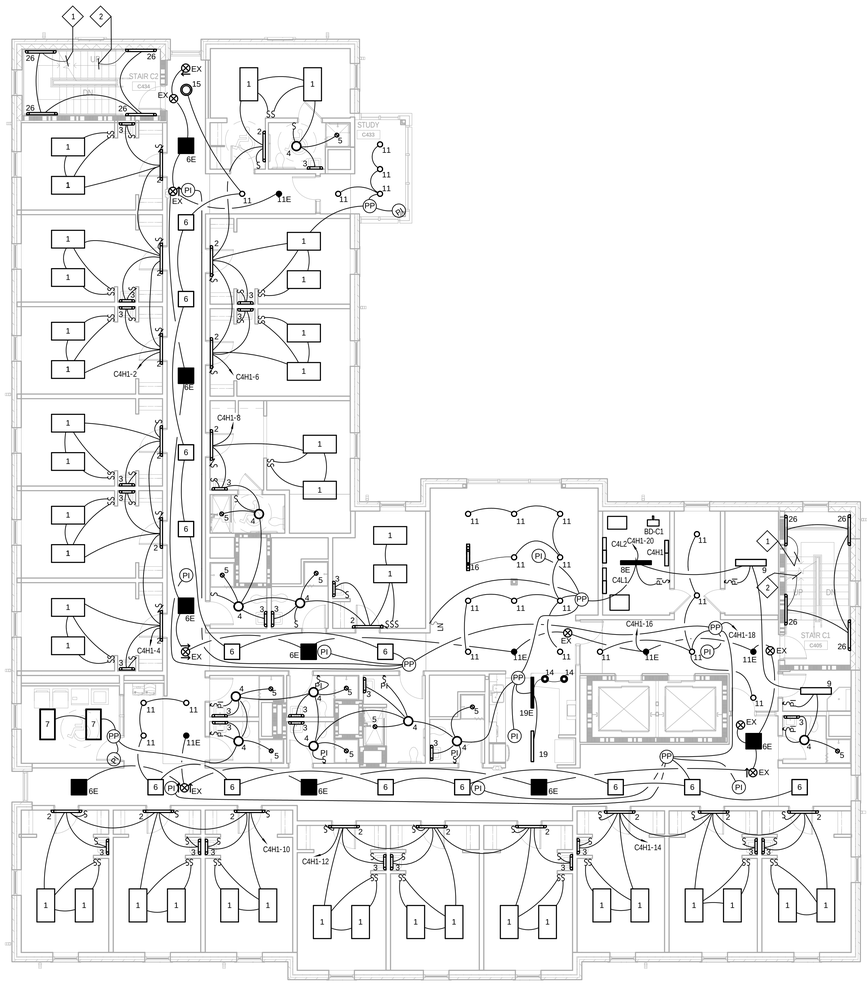
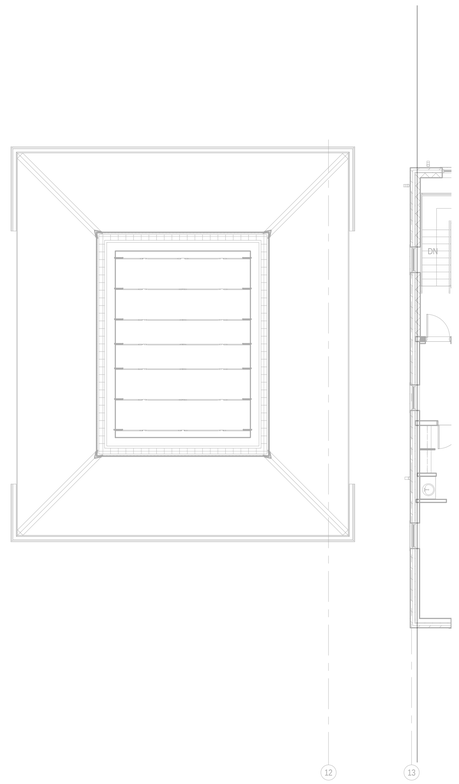
SHEET TITLE
BUILDING C - THIRD FLOOR LIGHTING PLAN

SHEET NUMBER
EL103C

441 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013

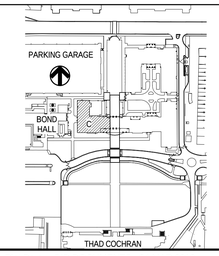




KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103C.
2. UP TO TYPE "26" FIXTURE ON FIFTH FLOOR. SEE SHEET EL105C.

KEY PLAN



NORTH

1 BUILDING C - FOURTH FLOOR LIGHTING PLAN
1/8" = 1'-0"

3/9/2013 10:07:21 AM

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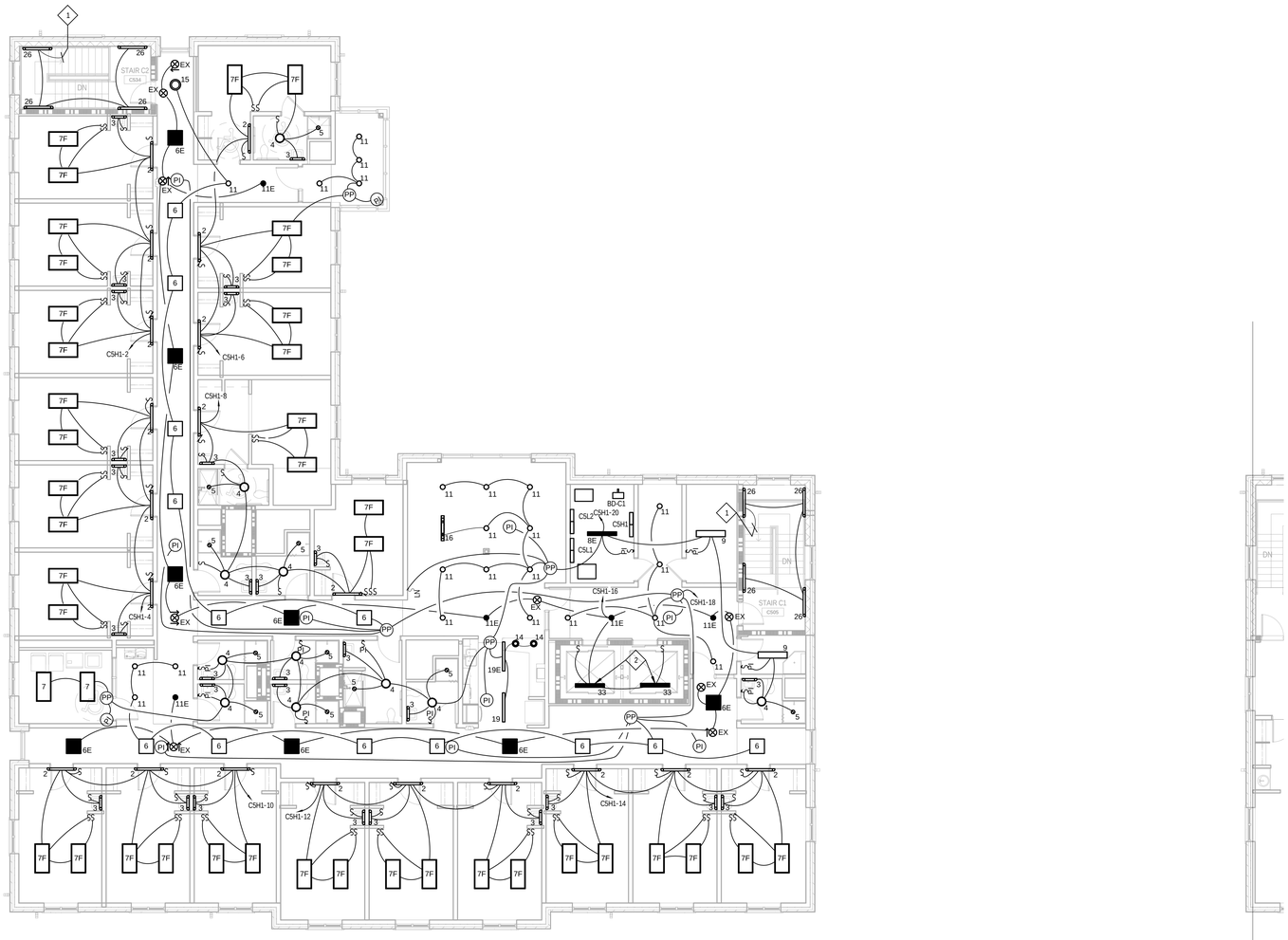
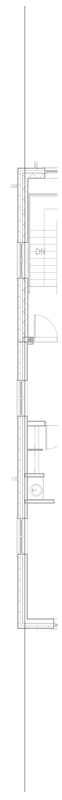
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FOURTH FLOOR LIGHTING PLAN

SHEET NUMBER
EL104C

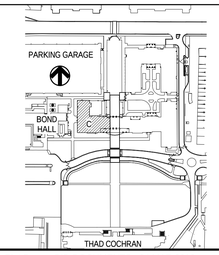




KEYNOTES

1. UP FROM TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104C.
2. PROVIDE TYPE "33" FIXTURE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE LOCATION OF FIXTURE AND SWITCH WITH ELEVATOR VENDOR INFORMATION.

KEY PLAN



1 BUILDING C - FIFTH FLOOR LIGHTING PLAN
1/8" = 1'-0"
NORTH

3/9/2013 10:09:45 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

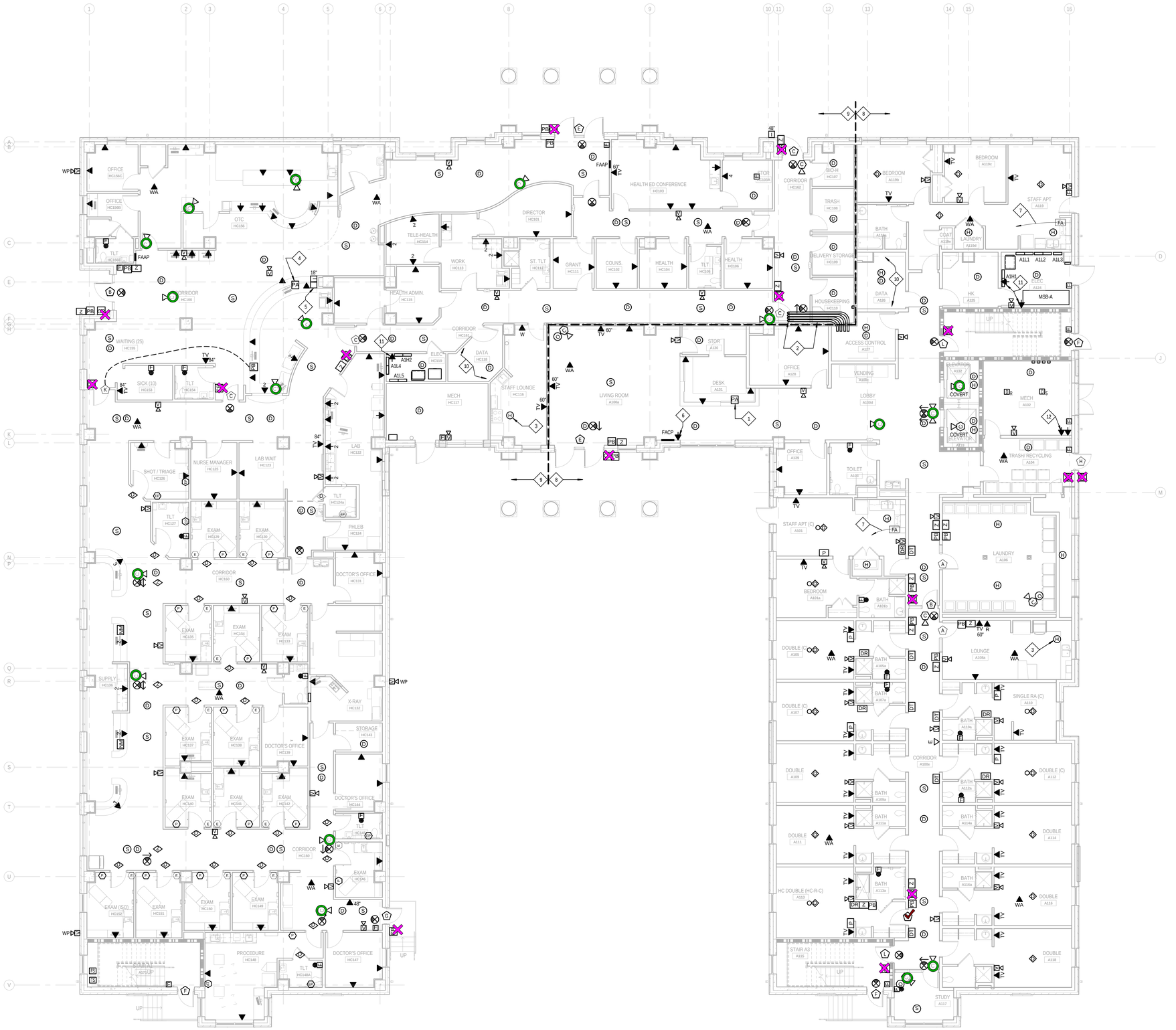
CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIFTH FLOOR LIGHTING PLAN

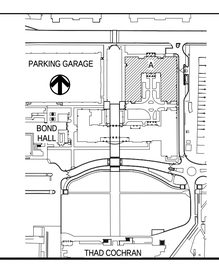
SHEET NUMBER
EL105C



KEYNOTES

1. THE PUBLIC ADDRESS HEAD-END SYSTEM SHALL BE INTERCONNECTED THROUGH THE TELEPHONE SYSTEM VIA AN ITECH "BLACK BOX" TO PROVIDE FOR MASS NOTIFICATION PAGES FROM OUTSIDE THIS BUILDING.
2. PROVIDE (1) 4" CONDUIT FROM ACCESS CONTROL ROOM TO ABOVE CORRIDOR CEILING ON EACH FLOOR. TYP. FOR FLOORS TWO THROUGH FIVE. (4) CONDUITS TOTAL. CONTINUED ON SHEET EY102A, KEYNOTE 2.
3. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
4. EXISTING PUBLIC ADDRESS HEAD-END EQUIPMENT TO BE RELOCATED BY ITECH. ITECH WILL TERMINATE CABLING FROM SPEAKERS AS REQUIRED.
5. PROVIDE 2 CONDUIT FROM 6" ABOVE FINISHED CEILING TO 18" A.F.F. AND TERMINATE IN 6"x6"x3" DEEP JUNCTION BOX FOR PUBLIC ADDRESS SYSTEM CABLING. CONTRACTOR TO LEAVE 6'-0" SLACK CABLING AT BOX FOR TERMINATION BY ITECH
6. DATA DROP FOR FIRE ALARM SYSTEM TRANSMISSION TO BOND HALL - SEE SPECIFICATION SECTION 283111-2.9 (B) 10.
7. FIRE ALARM CONNECTION TO HOOD FIRE PROTECTION SYSTEM. FIRE PROTECTION SYSTEM WILL SHUNT-TRIP RANGE.
8. VOICE DATA CABLES TO DATA A126.
9. VOICE DATA CABLES TO DATA HC118.
10. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
11. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.
12. DATA CONNECTION FOR WATER AND GAS METER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

KEY PLAN



NORTH 1 1/8" = 1'-0"

BUILDING A - FIRST FLOOR SYSTEMS PLAN

3/9/2013 9:47:53 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

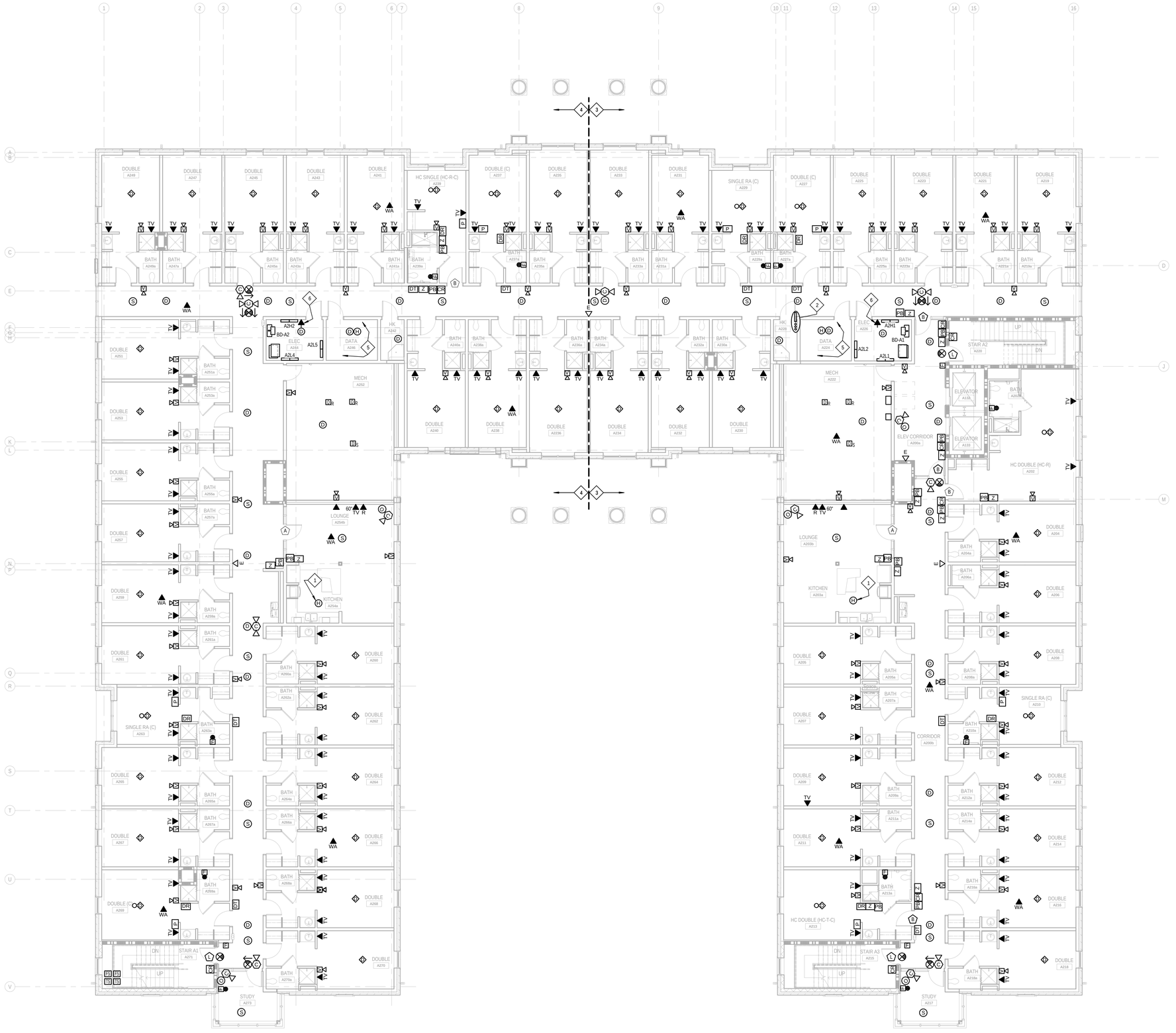
PROJECT NO: 2012020
DRAWN BY: DKH
CHECKED BY: JDL
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FIRST FLOOR SYSTEMS PLAN

SHEET NUMBER
EY101A

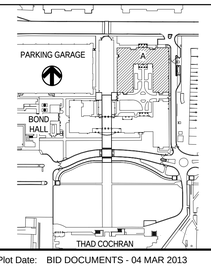
444 of 458



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (4) 4" CONDUITS UP FROM ACCESS CONTROL ROOM A127. (1) CONDUIT TO STUB INTO CORRIDOR A200 ABOVE CEILING. (3) CONDUITS TO CONTINUE TO THIRD FLOOR. SEE KEYNOTE 2 ON SHEET EY103A.
3. VOICE / DATA CABLES TO DATA A224.
4. VOICE / DATA CABLES TO DATA A246.
5. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
6. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



NORTH

1 BUILDING A - SECOND FLOOR SYSTEMS PLAN
1/8" = 1'-0"

3/9/2013 9:48:15 AM

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USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

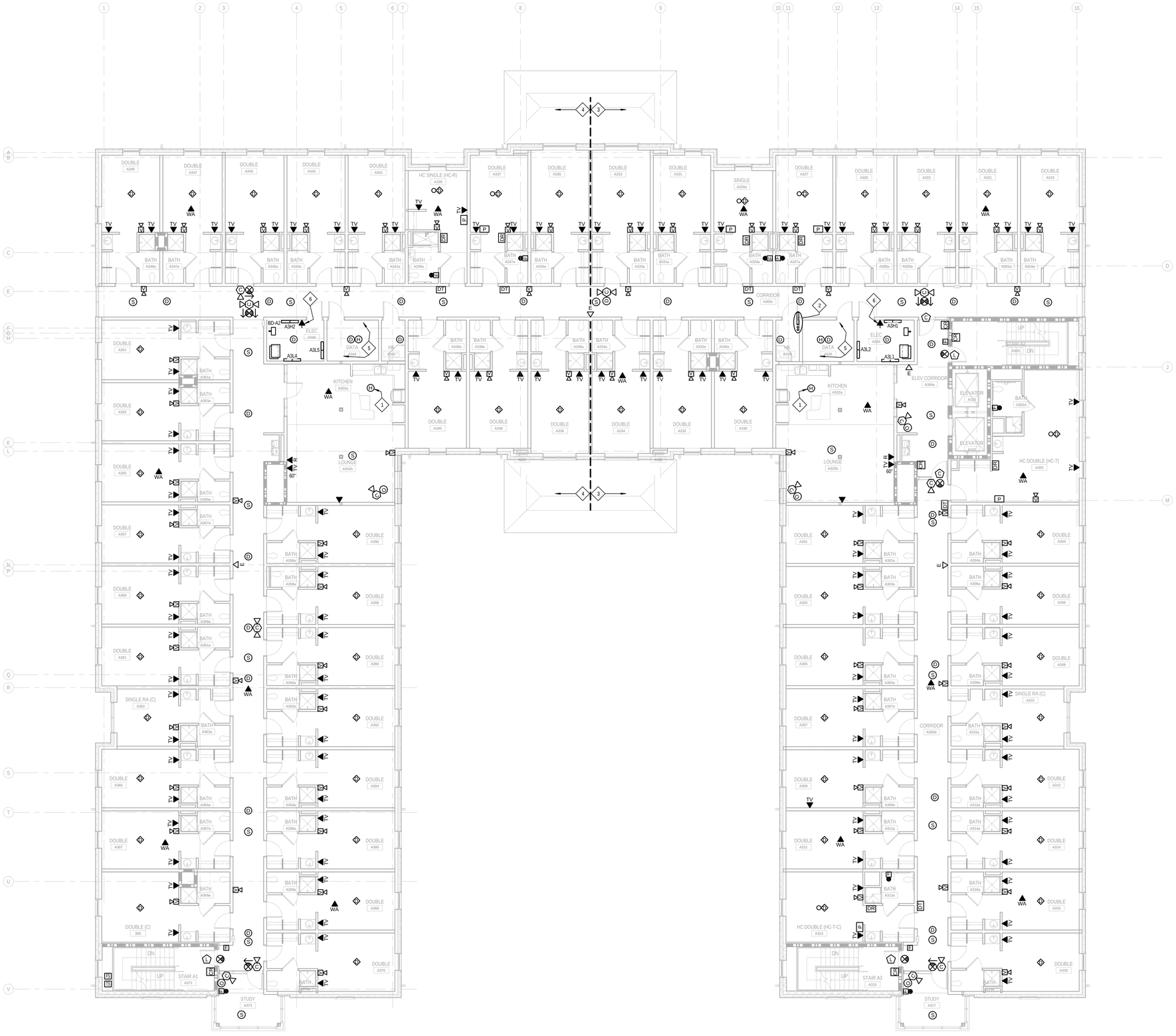
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - SECOND FLOOR SYSTEMS PLAN

SHEET NUMBER
EY102A

445 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING A - THIRD FLOOR SYSTEMS PLAN

1/8" = 1'-0"

NORTH

3/9/2013 9:48:40 AM

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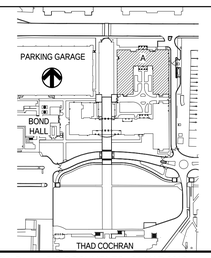
KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (3) 4" CONDUITS UP FROM SECOND FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR A300 ABOVE CEILING. (2) CONDUITS TO CONTINUE TO FOURTH FLOOR. SEE KEYNOTE 2 ON SHEET EY104A.
3. VOICE / DATA CABLES TO DATA A326.
4. VOICE / DATA CABLES TO DATA A344.
5. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
6. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



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USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - THIRD FLOOR SYSTEMS PLAN

SHEET NUMBER
EY103A

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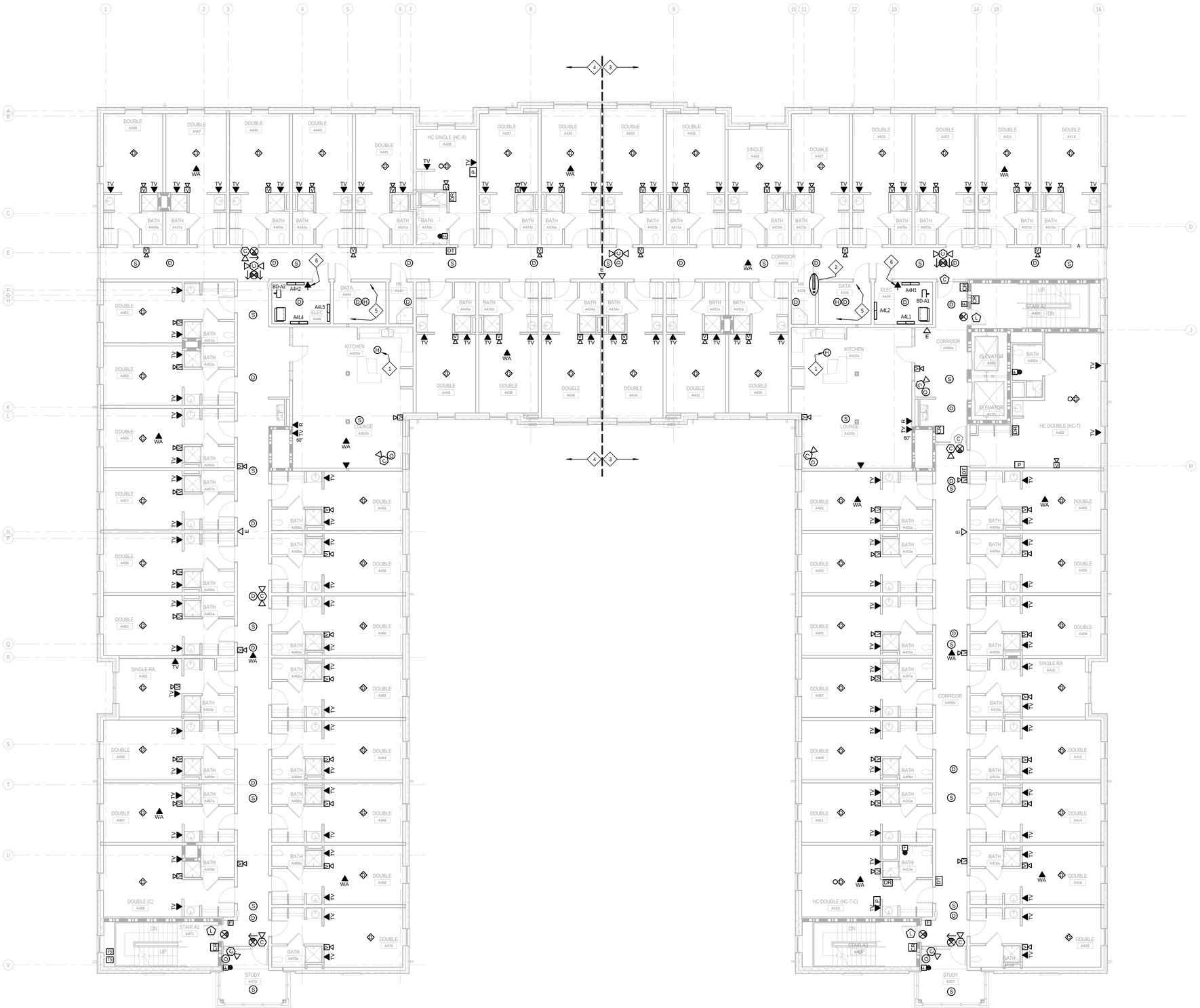
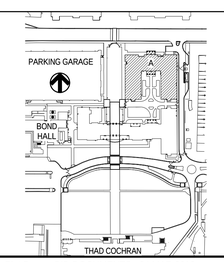
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (2) 4" CONDUITS UP FROM THIRD FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR A400 ABOVE CEILING. (1) CONDUIT TO CONTINUE TO FIFTH FLOOR. SEE KEYNOTE 2 ON SHEET EY105A.
3. VOICE / DATA CABLES TO DATA A426.
4. VOICE / DATA CABLES TO DATA A444.
5. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
6. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



NORTH

1 BUILDING A - FOURTH FLOOR SYSTEMS PLAN
1/8" = 1'-0"

3/9/2013 9:49:01 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO: 2012020
DRAWN BY: DKH
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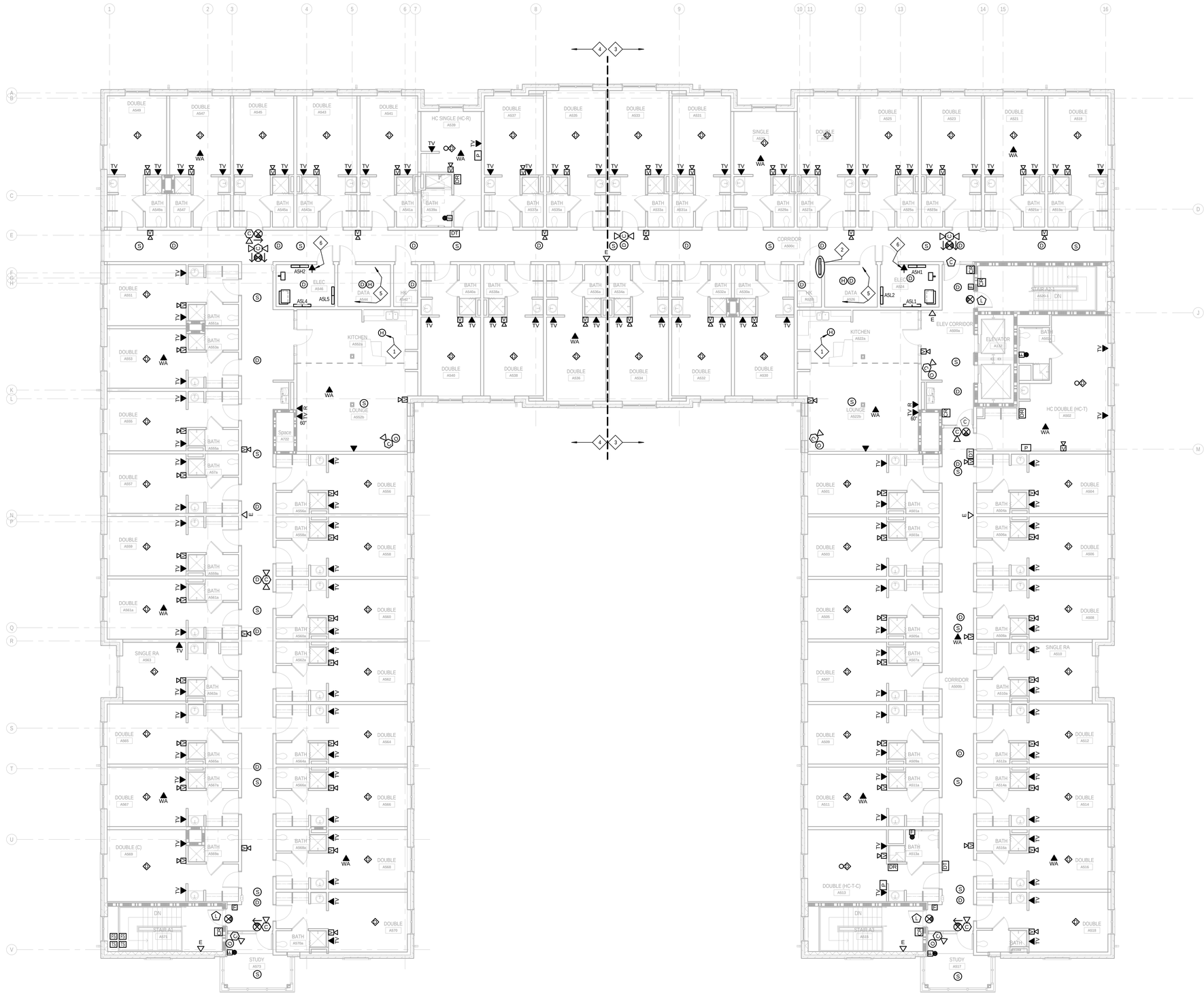
DATE ISSUED: 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FOURTH FLOOR SYSTEMS PLAN

SHEET NUMBER
EY104A

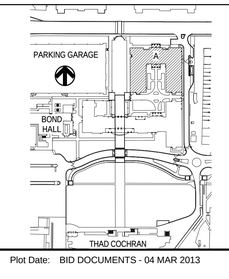
447 of 458



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (1) 4" CONDUIT UP FROM FOURTH FLOOR. STUB INTO CORRIDOR A500 ABOVE CEILING.
3. VOICE / DATA CABLES TO DATA A526.
4. VOICE / DATA CABLES TO DATA A544.
5. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
6. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



NORTH

1 BUILDING A - FIFTH FLOOR SYSTEMS PLAN
1/8" = 1'-0"

3/9/2013 9:55:01 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

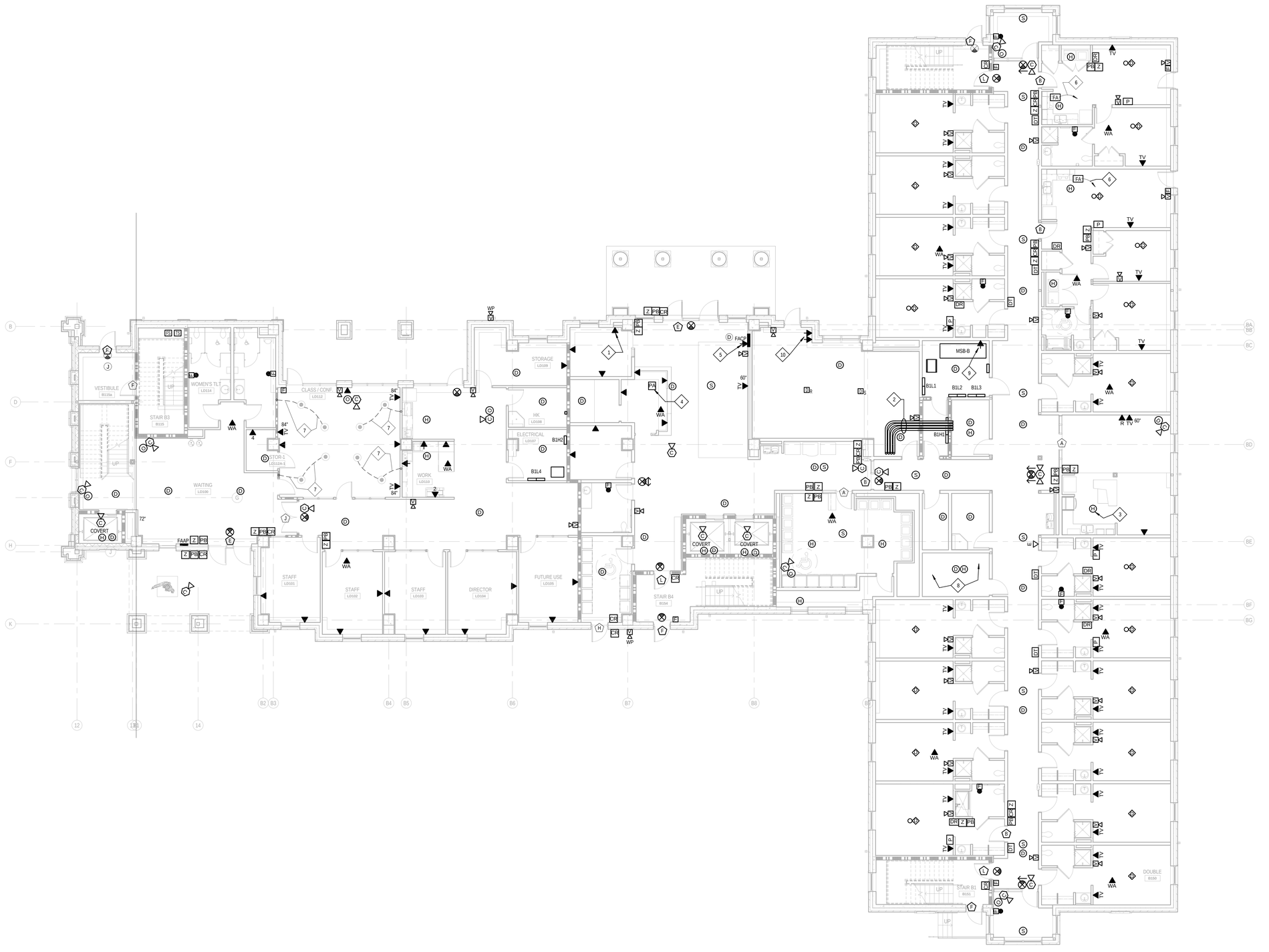
DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING A - FIFTH FLOOR SYSTEMS PLAN

SHEET NUMBER
EY105A

448 of 458



1 BUILDING B - FIRST FLOOR SYSTEMS PLAN
1/8" = 1'-0"

NORTH

3/9/2013 10:15:20 AM

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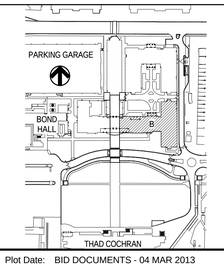
KEYNOTES

1. DATA CONNECTION FOR ELECTRONIC KEY STORAGE UNIT.
2. PROVIDE (1) 4" CONDUIT FROM ACCESS CONTROL ROOM TO ABOVE CORRIDOR CEILING ON EACH FLOOR. TYP. FOR FLOORS TWO THROUGH FIVE. (4) CONDUITS TOTAL. CONTINUED ON SHEET EY102B, KEYNOTE 2.
3. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
4. THE PUBLIC ADDRESS HEAD-END SYSTEM SHALL BE INTERCONNECTED THROUGH THE TELEPHONE SYSTEM VIA AN ITECH "BLACK BOX" TO PROVIDE FOR MASS NOTIFICATION PAGES FROM OUTSIDE THIS BUILDING.
5. DATA DROP FOR FIRE ALARM SYSTEM TRANSMISSION TO BOND HALL - SEE SPECIFICATION SECTION 283111-2.9 (B) 10.
6. FIRE ALARM CONNECTION TO HOOD FIRE PROTECTION SYSTEM. FIRE PROTECTION SYSTEM WILL SHUNT-TRIP RANGE.
7. PROVIDE (4) 1 1/4" CONDUIT FROM EACH FLOOR BOX (SEE SHEET EP101B) IN SLAB TO ADJACENT WALL AND RISE TO ABOVE ACCESSIBLE CEILING FOR A / V CABLING.
8. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
9. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.
10. DATA CONNECTION FOR WATER AND GAS METER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

KEY PLAN



PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

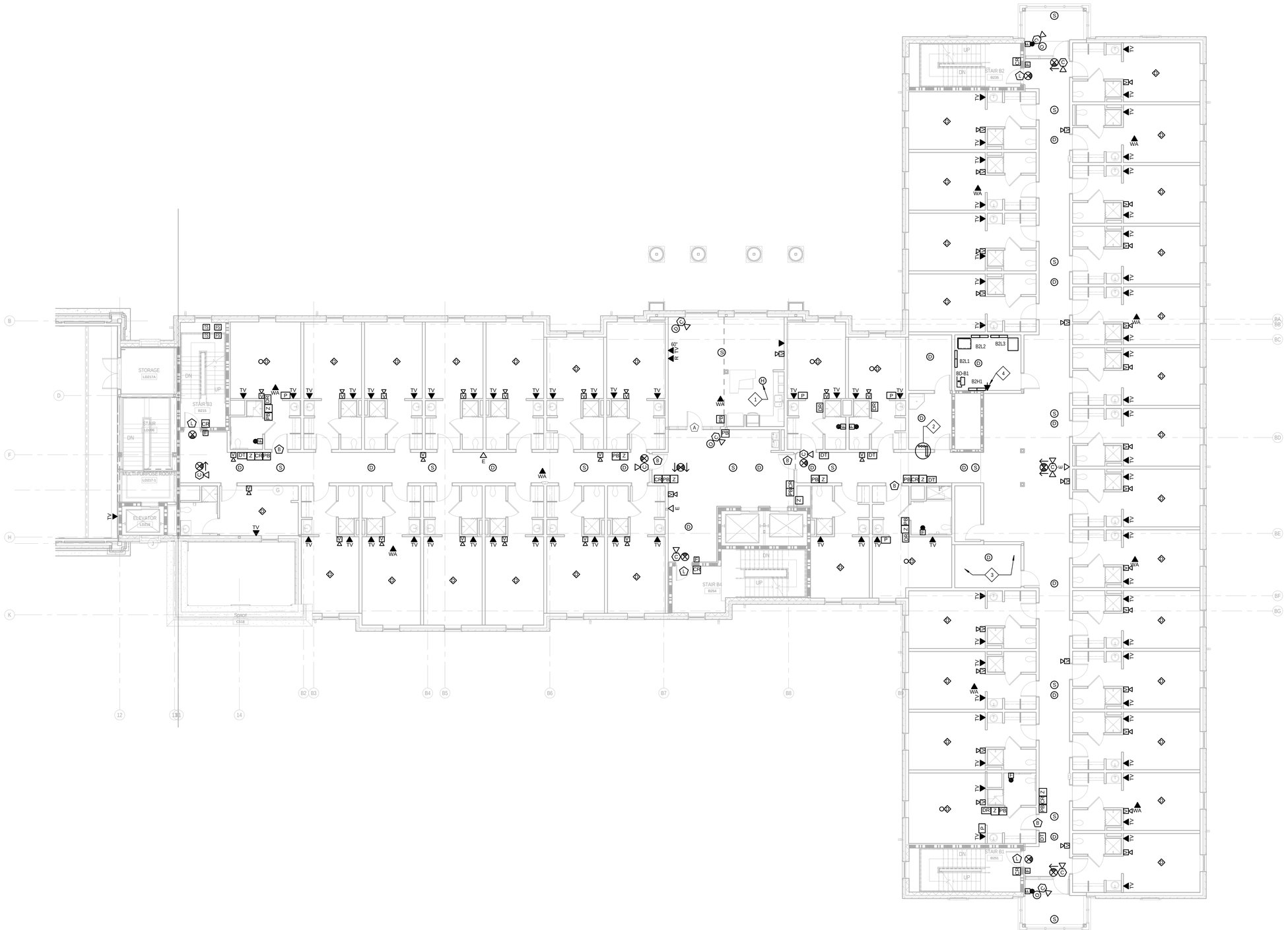
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FIRST FLOOR SYSTEMS PLAN

SHEET NUMBER
EY101B

449 of 458

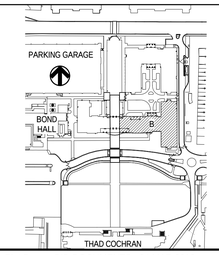
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (4) 4" CONDUITS UP FROM ACCESS CONTROL ROOM B123. (1) CONDUIT TO STUB INTO CORRIDOR B200 ABOVE CEILING. (3) CONDUITS TO CONTINUE TO THIRD FLOOR. SEE KEYNOTE 2 ON SHEET EY103B.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



NORTH

1 — 1/8" = 1'-0"

BUILDING B - SECOND FLOOR SYSTEMS PLAN

3/9/2013 10:15:55 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

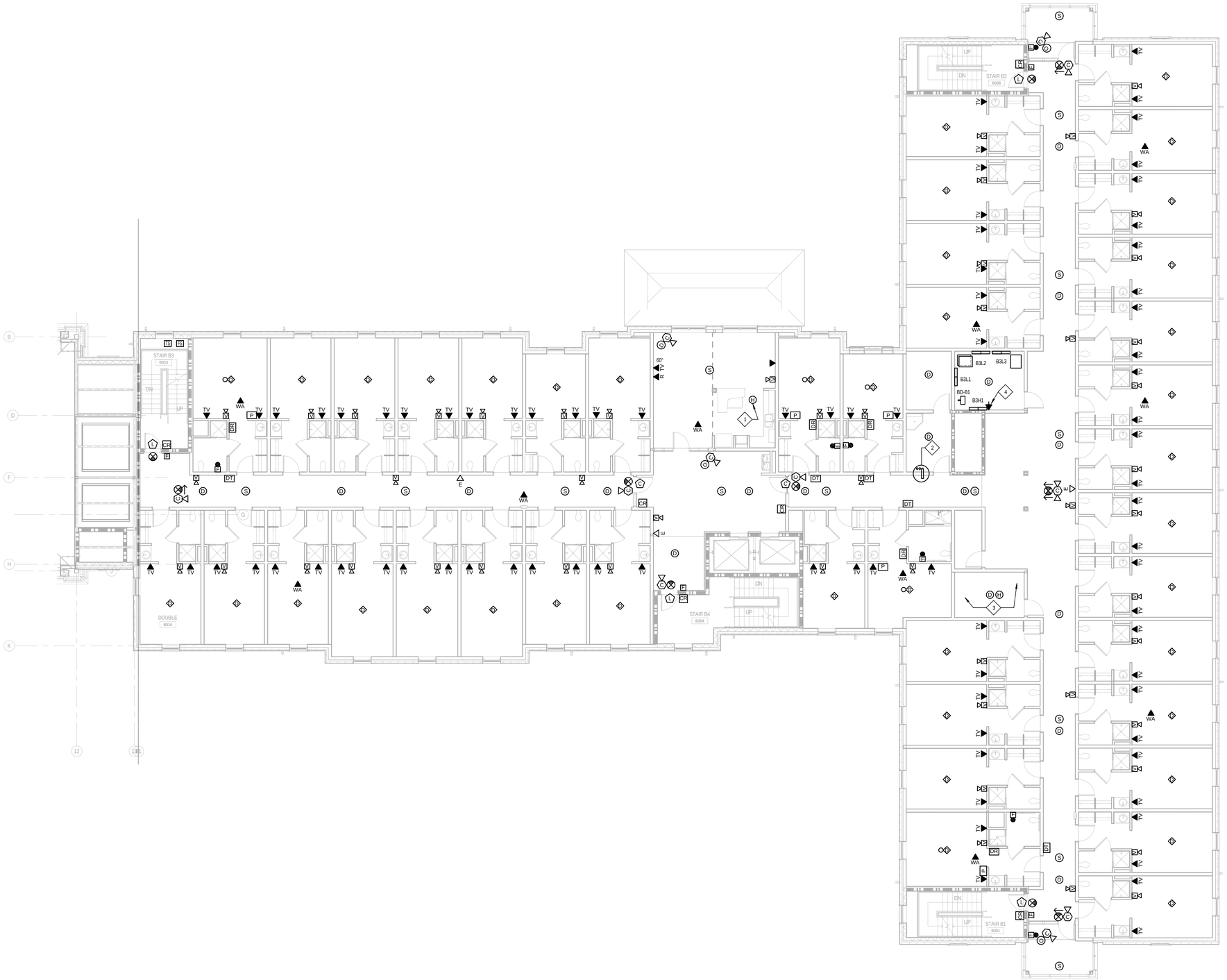
CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - SECOND FLOOR SYSTEMS PLAN

SHEET NUMBER
EY102B



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (3) 4" CONDUITS UP FROM SECOND FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR B300 ABOVE CEILING. (2) CONDUITS TO CONTINUE TO FOURTH FLOOR. SEE KEYNOTE 2 ON SHEET EY104B.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

NORTH

1 BUILDING B - THIRD FLOOR SYSTEMS PLAN
1/8" = 1'-0"

3/9/2013 10:16:34 AM

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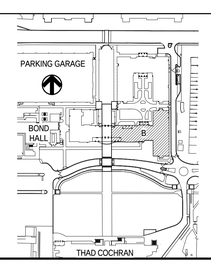
KEY PLAN

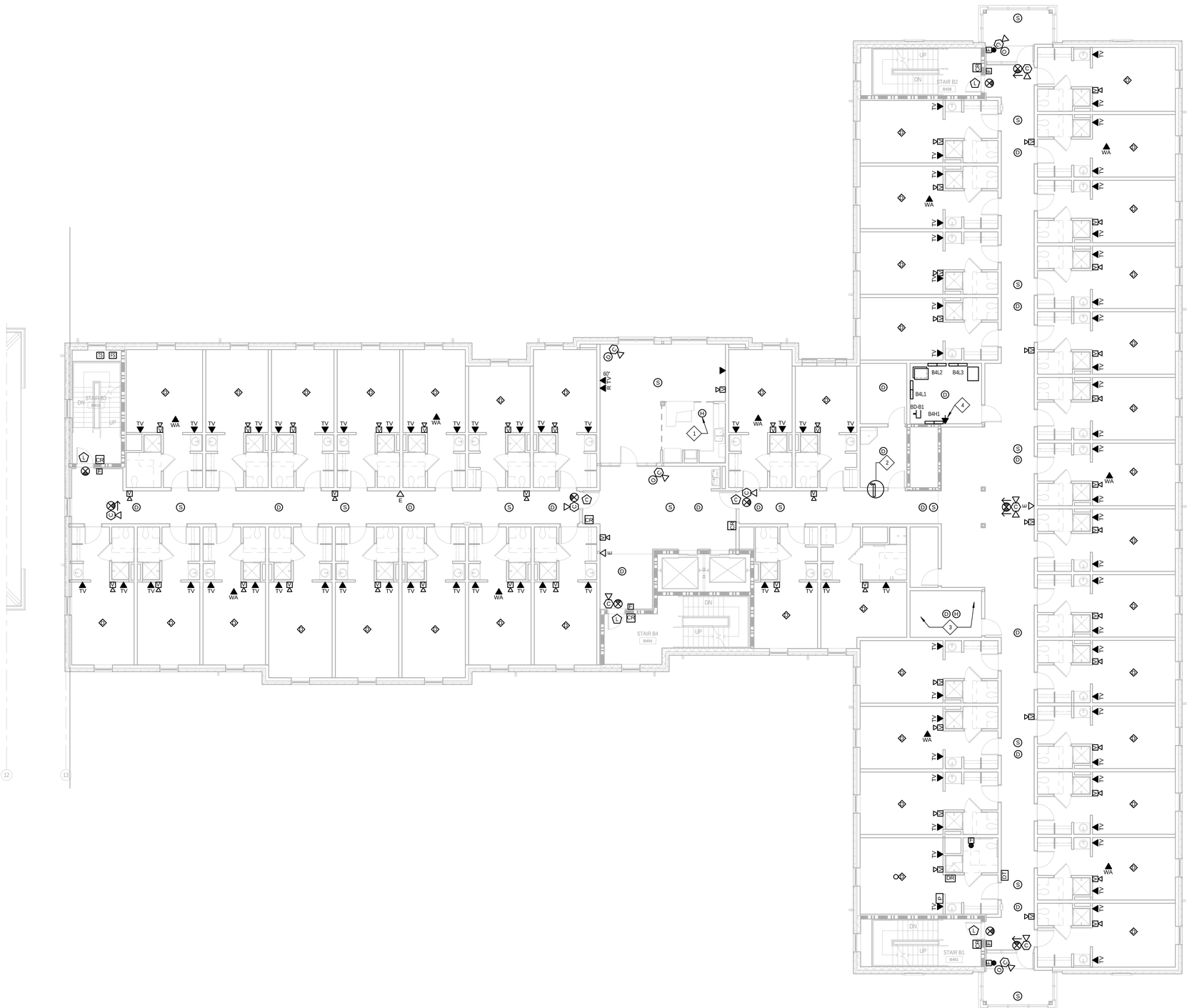


SHEET TITLE
BUILDING B - THIRD FLOOR SYSTEMS PLAN

SHEET NUMBER
EY103B

451 of 458

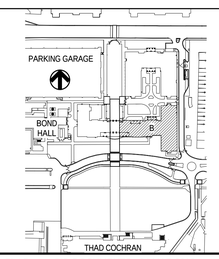
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (2) 4" CONDUITS UP FROM THIRD FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR B400 ABOVE CEILING. (1) CONDUIT TO CONTINUE TO FIFTH FLOOR. SEE KEYNOTE 2 ON SHEET EY105B.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



NORTH

1 — 1/8" = 1'-0"

BUILDING B - FOURTH FLOOR SYSTEMS PLAN

3/9/2013 10:17:10 AM

Plot Date: BID DOCUMENTS - 04 MAR 2013

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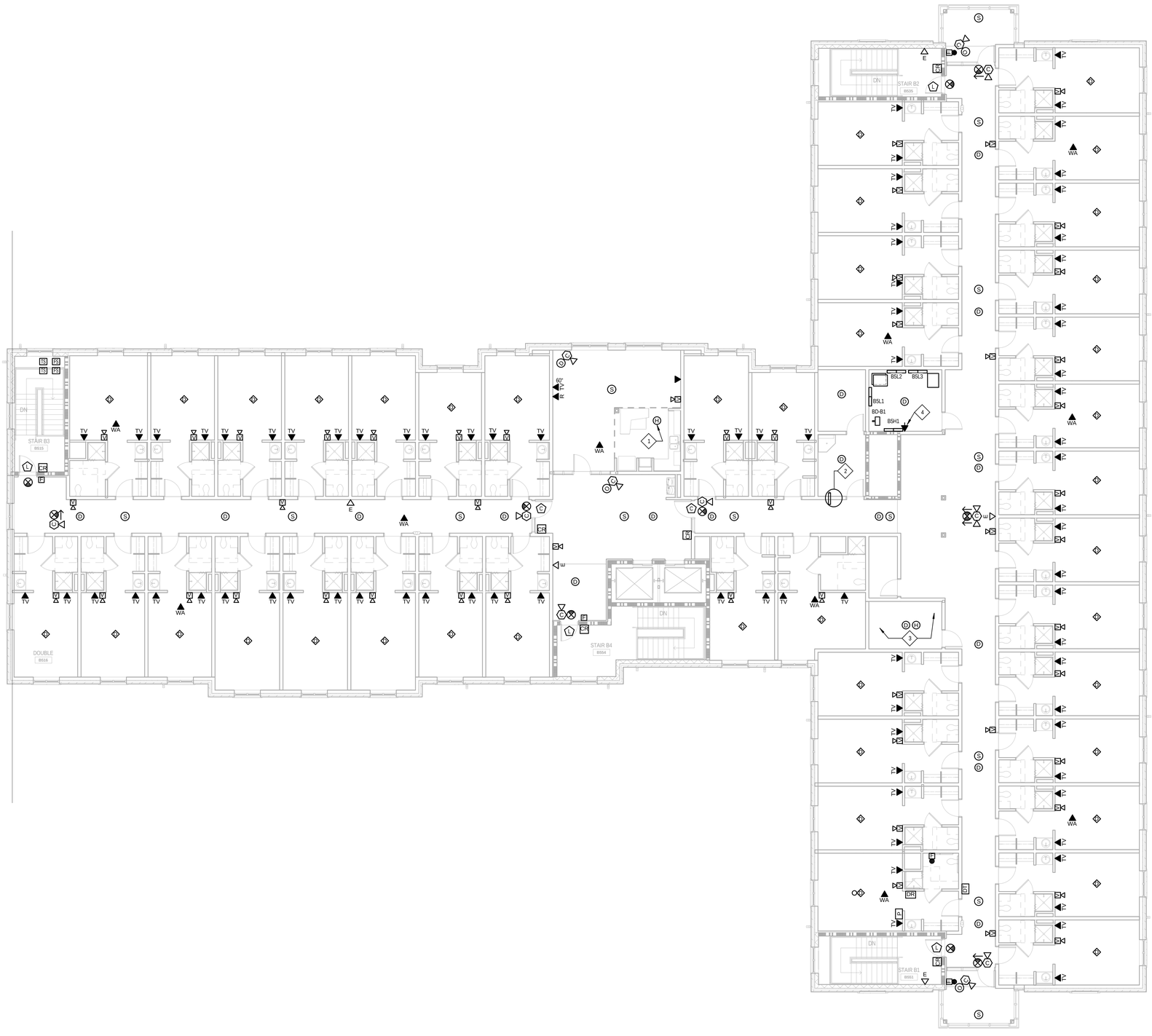
SHEET TITLE
BUILDING B - FOURTH FLOOR SYSTEMS PLAN

SHEET NUMBER
EY104B

452 of 458



1 BUILDING B - FIFTH FLOOR SYSTEMS PLAN
1/8" = 1'-0"

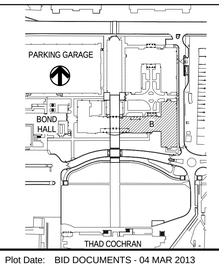
NORTH

3/9/2013 10:17:46 AM

KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (1) 4" CONDUIT UP FROM FOURTH FLOOR. CONDUIT TO STUB INTO CORRIDOR B500 ABOVE CEILING.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



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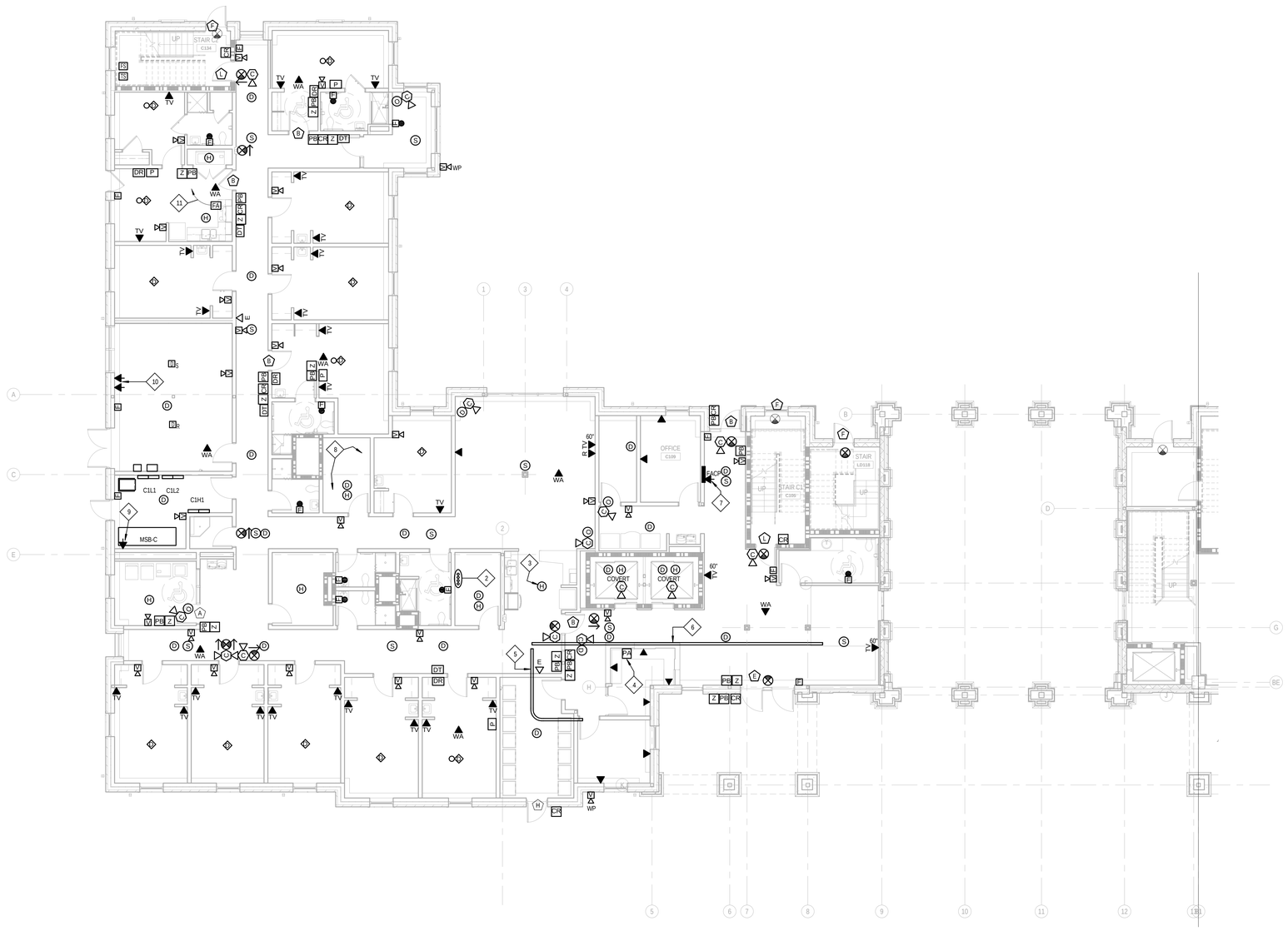
SHEET TITLE
BUILDING B - FIFTH FLOOR SYSTEMS PLAN

SHEET NUMBER
EY105B

453 of 458

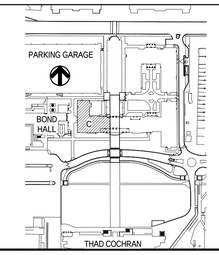
Plot Date: BID DOCUMENTS - 04 MAR 2013



KEYNOTES

1. *** NOT USED ***
2. PROVIDE (1) 4" CONDUIT FROM ACCESS CONTROL ROOM TO ABOVE CORRIDOR CEILING ON EACH FLOOR. TYP. FOR FLOORS TWO THROUGH FIVE. (4) CONDUITS TOTAL. CONTINUED ON SHEET EY102C, KEYNOTE 2.
3. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
4. THE PUBLIC ADDRESS HEAD-END SYSTEM SHALL BE INTERCONNECTED THROUGH THE TELEPHONE SYSTEM VIA AN ITECH "BLACK BOX" TO PROVIDE FOR MASS NOTIFICATION PAGES FROM OUTSIDE THIS BUILDING.
5. PROVIDE (1) 4" CONDUIT FROM ABOVE ACCESSIBLE CEILING IN CORRIDOR C100a TO ABOVE ACCESSIBLE CEILING IN WORKROOM C106. COORDINATE LOCATION WITH MECHANICAL AND PLUMBING COMPONENTS ABOVE CEILING.
6. PROVIDE (1) 4" CONDUIT FROM ABOVE ACCESSIBLE CEILING IN CORRIDOR C100a TO ABOVE ACCESSIBLE CEILING IN LOUNGE C101. COORDINATE LOCATION WITH MECHANICAL AND PLUMBING COMPONENTS ABOVE CEILING.
7. DATA DROP FOR FIRE ALARM SYSTEM TRANSMISSION TO BOND HALL - SEE SPECIFICATION SECTION 283111-2.9 (B) 10.
8. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
9. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.
10. DATA CONNECTION FOR WATER AND GAS METER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
11. FIRE ALARM CONNECTION TO HOOD FIRE PROTECTION SYSTEM. FIRE PROTECTION SYSTEM WILL SHUNT-TRIP RANGE.

KEY PLAN



NORTH

1 1/8" = 1'-0"

BUILDING C - FIRST FLOOR SYSTEMS PLAN

3/9/2013 10:15:37 AM

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IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT NO:
- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

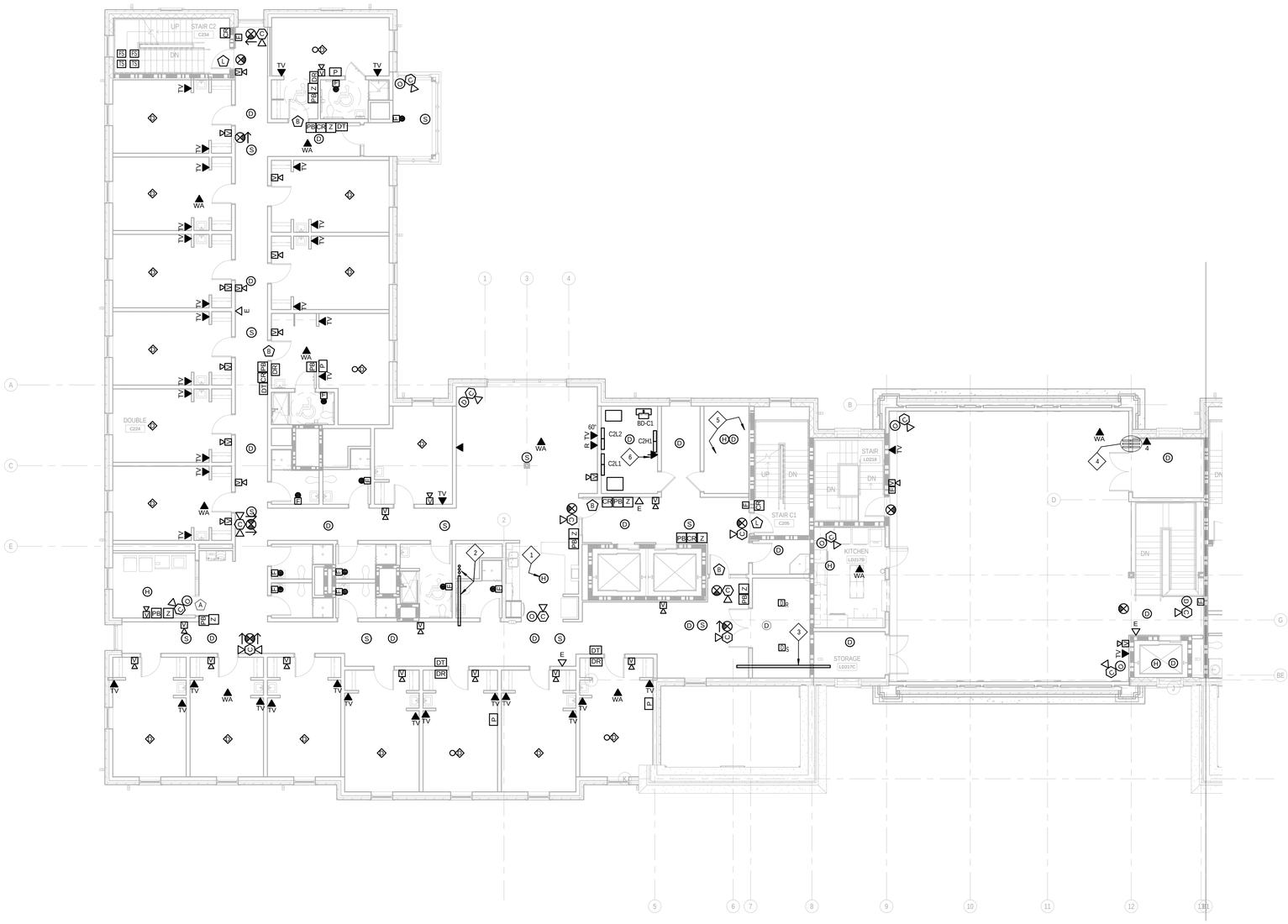
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIRST FLOOR SYSTEMS PLAN

SHEET NUMBER
EY101C

454 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING C - SECOND FLOOR SYSTEMS PLAN
1/8" = 1'-0"

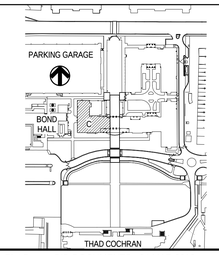
NORTH

3/9/2013 10:22:33 AM

KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (4) 4" CONDUITS UP FROM ACCESS CONTROL ROOM C115. (1) CONDUIT TO STUB INTO CORRIDOR C200 ABOVE CEILING. (3) CONDUITS TO CONTINUE TO THIRD FLOOR. SEE KEYNOTE 2 ON SHEET EY103C.
3. PROVIDE (1) 4" CONDUIT FROM ABOVE ACCESSIBLE CEILING IN CORRIDOR C200a TO ABOVE ACCESSIBLE CEILING IN STORAGE LD217C. COORDINATE LOCATION WITH MECHANICAL AND PLUMBING COMPONENTS ABOVE CEILING.
4. PROVIDE (3) 2" CONDUIT ROUTED FROM STORAGE LD217A UP IN WALL TO ABOVE ACCESSIBLE CEILING IN MULTI-PURPOSE LD217.
5. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
6. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



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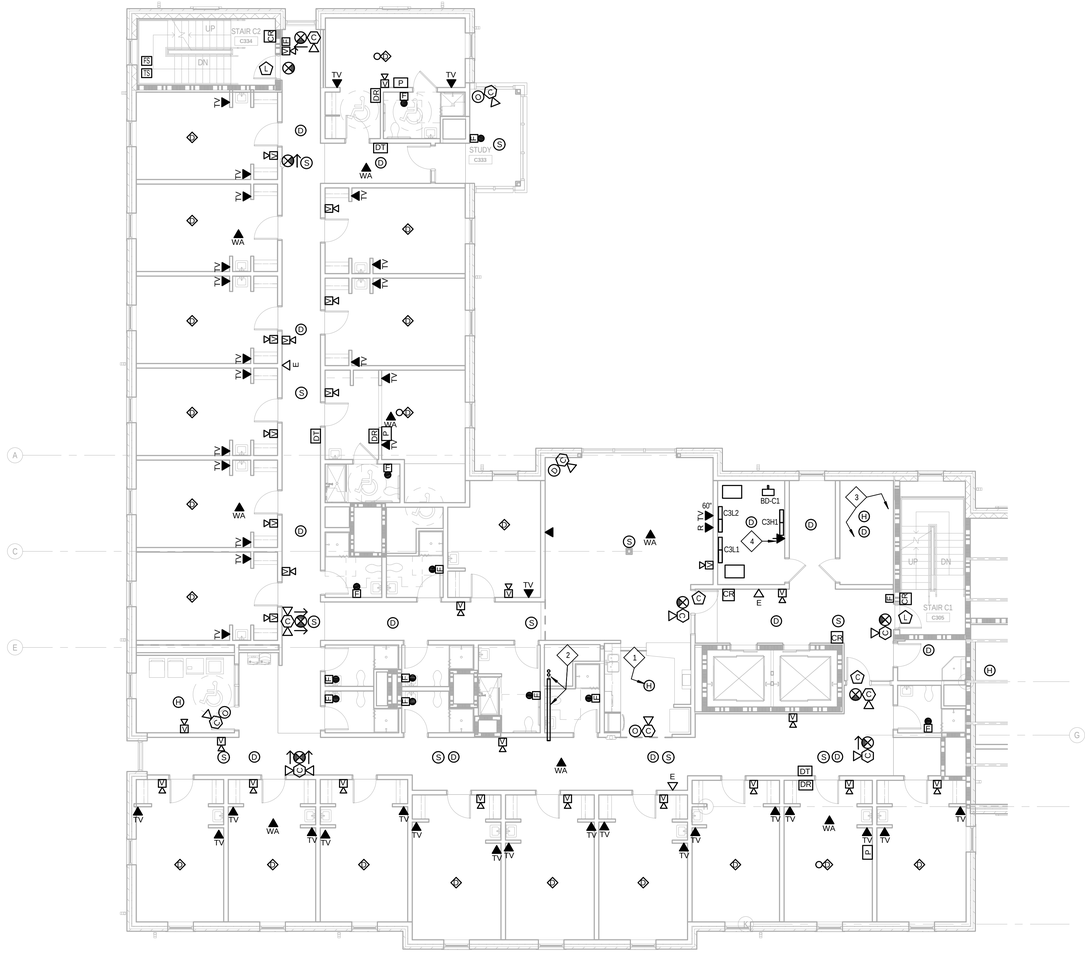
REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - SECOND FLOOR SYSTEMS PLAN

SHEET NUMBER
EY102C

455 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



1 BUILDING C - THIRD FLOOR SYSTEMS PLAN
1/8" = 1'-0"

NORTH

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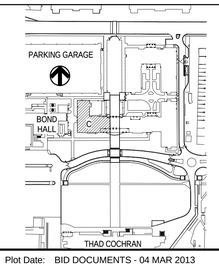
KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (3) 4" CONDUITS UP FROM SECOND FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR C300 ABOVE CEILING. (2) CONDUITS TO CONTINUE TO FOURTH FLOOR. SEE KEYNOTE 2 ON SHEET EY104C.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



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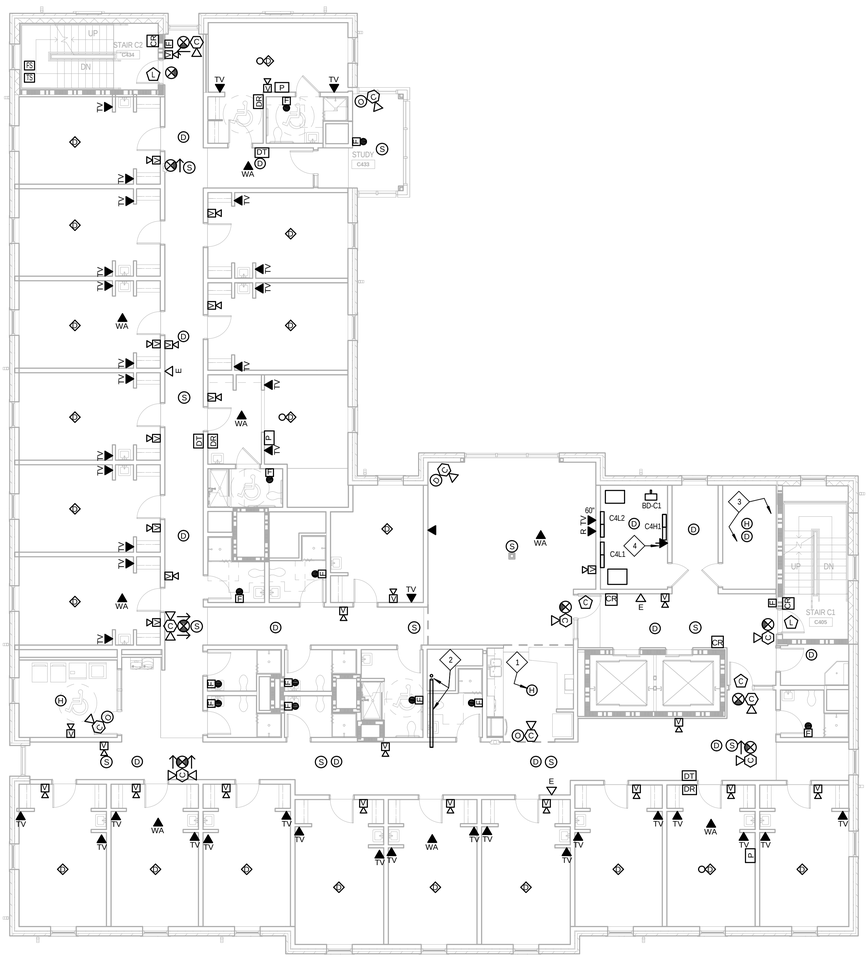
REVISIONS & ADDENDUMS

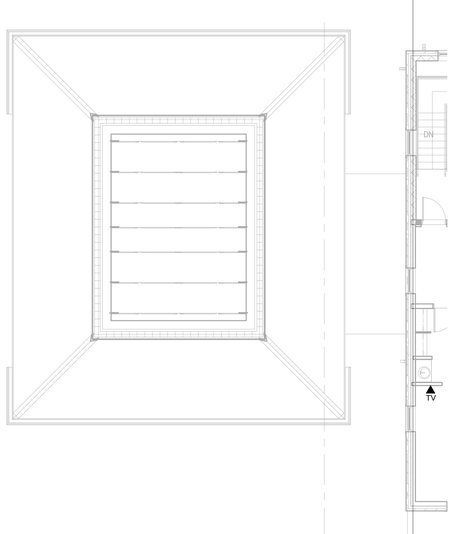
SHEET TITLE
BUILDING C - THIRD FLOOR SYSTEMS PLAN

SHEET NUMBER
EY103C

456 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013





KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (2) 4" CONDUITS UP FROM THIRD FLOOR. (1) CONDUIT TO STUB INTO CORRIDOR C400 ABOVE CEILING. (1) CONDUITS TO CONTINUE TO FIFTH FLOOR. SEE KEYNOTE 2 ON SHEET EY105C.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
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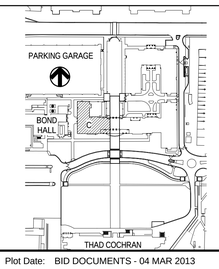

NORTH

1
1/8" = 1'-0"

BUILDING C - FOURTH FLOOR SYSTEMS PLAN

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SHEET NUMBER
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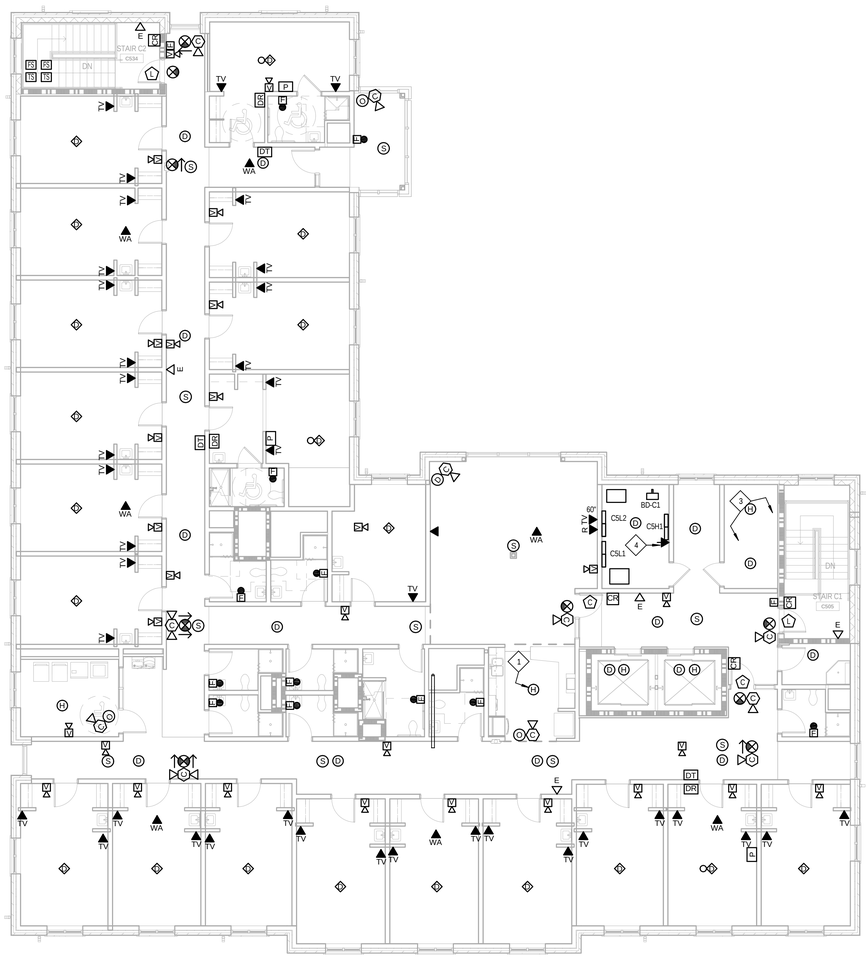
457 of 458



1/8" = 1'-0"

NORTH

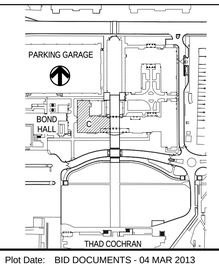
BUILDING C - FIFTH FLOOR SYSTEMS PLAN

3/9/2013 10:18:01 AM

KEYNOTES

1. HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
2. (1) 4" CONDUIT UP FROM FOURTH FLOOR. CONDUIT TO STUB INTO CORRIDOR C500 ABOVE CEILING.
3. REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY AROUND PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260536 FOR CABLE TRAY.
4. DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

KEY PLAN



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- 2012020

DRAWN BY:
- DKH

CHECKED BY:
- JDL

DATE ISSUED:
- 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING C - FIFTH FLOOR SYSTEMS PLAN

SHEET NUMBER
EY105C

458 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013