

3/9/2013 9:54:20 AM

LIGHT FIXTURE SCHEDULE						
MARK	MANUFACTURER	MODEL NUMBER	LAMP	MOUNTING	VOLTAGE	REMARKS
1	H.E. WILLIAMS	DIS242-2BTSS-AD-EB2	(2) 28WT5	SURFACE	277V	2x4' 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 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	OM61H13PLTSD-SHWR-120277	(1) 13W QPL	RECESSED	277V	6" 1 LAMP COMPACT FLUORESCENT SHOWER LIGHT
6	H.E. WILLIAMS	DIS22-214-TSS-AD-EB2	(2) 14WT5	LAY-IN	277V	2x2' 2 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
7	H.E. WILLIAMS	SPXG-S24-228TSS-A-EB2	(2) 28WT5	LAY-IN	277V	2x4' 2 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
7E	H.E. WILLIAMS	SPXG-S24-228TSS-A-EM1400ST(T5)1	(2) 28WT5	LAY-IN	277V	2x4' 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-S24-228TSS-A-DFK	(2) 28WT5	RECESSED	277V	2x4' 2 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD. PROVIDE FRAME FOR MOUNTING IN GYP. BOARD CEILING
7EF	H.E. WILLIAMS	SPXG-S24-228TSS-A-EM1400ST(T5)1-DFK	(2) 28WT5	RECESSED	277V	2x4' 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-S24-228TSS-A-DIM	(2) 28WT5	LAY-IN	277V	2x4' 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	PRUDENTIAL	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 EMW 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 COMPATIBILITY 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	700MOOM3S - 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 ACCESSORIES. 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 ACCESSORIES. VERIFY 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" SUSPENSION 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	SPXGS243-28TSS-A-UNIV-EB3	(3) 28WT5	LAY-IN	277V	2x4' 3 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
22	H.E. WILLIAMS	SPXGS141-28TSS-A-UNIV-EB1	(1) 28WT5	LAY-IN	277V	1x4' 1 LAMP LAY-IN FLUORESCENT. BALLAST <10% THD
22E	H.E. WILLIAMS	SPXGS141-28TSS-A-UNIV-EM1400ST(T5)1-EB1	(1) 28WT5	LAY-IN	277V	1x4' 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'-0" ABOVE LANDING. WITH EMERGENCY BALLAST. COORDINATE FINISH WITH ARCHITECT. PROVIDE COLOR CHARTS.
27	STERNBERG	8930H / CH28 - 175MHP - RESG - 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- RESG - 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 - RESG - 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 - RESG - 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	ER6SLDT 1 1227 W R	LED	WALL	277V	LED EXIT FIXTURE WITH NiCad BATTERY.
30	CHLORIDE	CMF25 IC TD CCHR1W10G (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	FRAQTR	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	1x4' 3 LAMP FLUORESCENT WITH ACRYLIC LENS. PROVIDE DOUBLE GASKET AROUND DOOR FRAME. BALLAST <10% THD
36	DAY-BRITE	FSS860W-LU-MNP	LED	PAD	277V	LED FLOOD LIGHT FOR NORTH SIDE OF BUILDING A
37	GARDCO	941(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 FURNISHED 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	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	SYMBOL	DESCRIPTION	MOUNTING HEIGHT
POWER			COMMUNICATIONS			DOOR ACCESS		
	CONDUIT CONCEALED (MIN. 3-#12 - 1/2")	_____		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		ELECTRIC DOOR STRIKE - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
	EXPOSED CONDUIT ON WALL OR CEILING (MIN. 3-#12 - 1/2")	_____		VOICE / DATA OUTLET - ABOVE COUNTER - 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.	ABOVE COUNTER		DOOR POSITION SWITCH - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
	HOMERUN CONDUIT (MIN. 3/12-1/2")	_____		MOTION SENSOR DOOR ACTUATOR - 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		CARD READER - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	42" AFF
	SURFACE OR RECESSED FIXTURE CONNECTED TO THE NORMAL BRANCH (FIXTURE TYPE TO DETERMINE MOUNTING)	_____		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		DOOR RELEASE - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
	INDICATES LIGHTING FIXTURE WITH EMERGENCY BATTERY	_____		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		MAGNETIC LOCK - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	MOUNT PER VENDOR REC
	EXIT LIGHT	_____		SINGLE POLE SWITCH	48" AFF TO CL		PUSH BUTTON DOOR ACTUATOR - SEE SYSTEMS BACKBOX SCHEDULE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	42" AFF
	LIGHTING FIXTURE DESIGNATION - SEE FIXTURE SCHED.	_____		DIMMER SWITCH	48" AFF TO CL		PROVIDE BOX FOR FUTURE ADA DOOR ACCESS DEVICE. SEE DOOR ACCESS CONTROL DETAILS ON SHEET E002.	42" AFF
	THREE WAY SWITCH	48" AFF TO CL		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		SINGLE POWER ASSISTED ADA DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	DIMMER SWITCH	48" AFF TO CL		RAPID RUN OUTLET - SEE SYSTEMS BACKBOX SCHEDULE. 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		SINGLE POWER ASSISTED ADA DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	MANUAL MOTOR STARTER	AT UNIT		PUBLIC ADDRESS SPEAKER. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED		SINGLE ADA POWER ASSISTED DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	KEY SWITCH	_____		PUBLIC ADDRESS SYSTEM - HEAD END. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	_____		DOUBLE ADA POWER ASSISTED (MAIN ENTRY) DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	MOTOR	_____		AIPHONE INTERCOM. SEE SYSTEMS BACKBOX SCHEDULE. PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING.	AS INDICATED ON PLAN		SINGLE DOOR (STAIR OUTSIDE) ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	FUSED DISCONNECT SWITCH - AMPS/POLES/FUSE SIZE	_____		DOOR BELL RECEIVER - EDWARDS MODEL NO. 6536-65 HORN/STROBE	7'-0" AFF		SINGLE DOOR WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	NON-FUSED DISCONNECT SWITCH - AMPS/POLES/INF	_____		DOOR BELL TRANSMITTER - EDWARDS MODEL NO. 147-10 WITH 620 PUSH BUTTON AND 592 TRANSFORMER	48" AFF		SINGLE DOOR WITH ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	COMBINATION ACROSS-THE-LINE MOTOR STARTER	_____		PHONE ALARM	7'-0" AFF		DOUBLE ADA POWER ASSISTED (MAIN ENTRY) DOOR ACCESS CONTROL. SEE CORRESPONDING DETAIL ON SHEET E002	
	120V. DUPLEX RECEPTACLE	1'-6" AFF TO CL	FIRE ALARM				CCTV CAMERA	
	120V. DUPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER		FIRE ALARM MANUAL PULL STATION. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	48" AFF		CCTV MONITOR	COORD. WITH ARCHITECT
	120V. QUADPLEX RECEPTACLE	1'-6" AFF TO CL		FIRE ALARM VOICE EVACUATION WITH LIGHT. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	7'-0" AFF TO CL		SINGLE FACE EXIT LIGHT WITH CONCEALED CCTV CAMERA	
	120V. QUADPLEX RECEPTACLE - SPECIAL MOUNTING HEIGHT	ABOVE COUNTER		FIRE ALARM VOICE EVACUATION SPEAKER, WEATHERPROOF EXTERIOR. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	10'-0" AFF TO CL		DOUBLE FACE EXIT LIGHT WITH CONCEALED CCTV CAMERA	
	POWER & LOW VOLTAGE A/V FLOOR BOX. 4 COMPARTMENT FLOOR BOX WIREMOLD RFB4 SERIES FLOOR BOX WITH FPBTCL COVER WITH (2) RFB-DR PLATES, (1) DTB-2-ATKO PLATES, (1) DTB-2-SD PLATE (1) RFB-B PLATE.	FLOOR MOUNTED		FIRE ALARM LIGHT ONLY. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	7'-0" AFF TO CL		FAUX SMOKE DETECTOR WITH CONCEALED CCTV CAMERA	
	GFCI, 120V. DUPLEX RECEPTACLE	1'-6" AFF TO CL		FIRE ALARM HEAT DETECTOR. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED		FAUX OCCUPANCY SENSOR WITH CONCEALED CCTV CAMERA	
	GFCI, 120V. DUPLEX RECEPTACLE - ABOVE COUNTER	ABOVE COUNTER		FIRE ALARM SMOKE DETECTOR. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED		EXIT LIGHT - FURNISHED BY CCTV VENDOR. SEE LIGHT FIXTURE SCHEDULE.	
	SPECIAL SINGLE RECEPTACLE - REFER TO DWGS FOR CONFIGURATION	_____		FIRE ALARM SMOKE DETECTOR WITH SOUNDER BASE. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	CEILING MOUNTED	LIGHTING CONTROL		
	120V. DUPLEX RECEPTACLE FOR WALL MOUNTED TELEVISION COORDINATE LOCATION WITH TV OUTLET	AS INDICATED ON PLAN		FIRE ALARM SMOKE DETECTOR WITH SOUNDER BASE AND LIGHT. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	_____		LEVITON LevNet "W5C15-IRW" LevNet RF SELF-POWERED INFRARED CEILING MOUNTED SENSOR. SEE OCCUPANCY SENSOR SETTINGS SCHEDULE ON SHEET E006	CEILING
	SURGE SUPPRESSION DEVICE	_____		WEATHERPROOF	_____		LEVITON LevNet "W50R10-WV" PASSIVE INFRARED WALL SENSOR WITH BATTERY OPTION "CR2032". PROVIDE (ABOVE CEILING) LEVITON POWER PACK "VSP2-000" AND "W50RC-200" LevNet RF RECEIVER. SEE OCCUPANCY SENSOR SETTINGS SCHEDULE ON SHEET E006. COORDINATE FINISH WITH ARCHITECT.	48" A.F.F.
	WEATHERPROOF	_____		FLOW SWITCH - SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	_____		LEVITON LevNet RF SELF-POWERED WALL SWITCH "W5S05-D" COORDINATE FINISH WITH ARCHITECT.	48" A.F.F.
	WALL MOUNTED DEVICE	_____		POST INDICATOR VALVE. SEE SYSTEMS BACKBOX SCHEDULE SHEET E007	_____		LEVITON POWER PACK "VSP2-000" AND "W50RC-200" LevNet RF RECEIVER. POWER PACK AND RECEIVER TO BE MOUNTED ABOVE CEILING IN JUNCTION BOX	ABOVE CEILING
	OVERHEAD ELECTRICAL PRIMARY	_____		MAGNETIC HOLD OPEN - 24V DC	6'-4" AFF TO CL			
	UNDERGROUND ELECTRICAL PRIMARY	_____		FIRE ALARM CONNECTION TO FIRE ALARM SYSTEM	_____			
	UNDERGROUND ELECTRICAL SECONDARY	_____	NURSE CALL					
	UNDERGROUND COMMUNICATIONS	_____		NURSE CALL, STAFF EMERGENCY PUSH BUTTON	48" AFF			
				NURSE CALL, PATIENT EMERGENCY PUSH BUTTON	48" AFF			
				NURSE CALL, EMERGENCY PULL CORD	48" AFF			
				NURSE CALL, DOME LIGHT	CEILING / WALL			
				NURSE CALL, ZONE LIGHT	CEILING / WALL			
	NURSE CALL, MASTER STATION	DESK					DESIGNATES LIGHTING CONTROL SYSTEM COMPONENTS. SEE MULTIPURPOSE ROOM - LIGHTING PLAN ON SHEET ELJ02C.	ABOVE CEILING

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

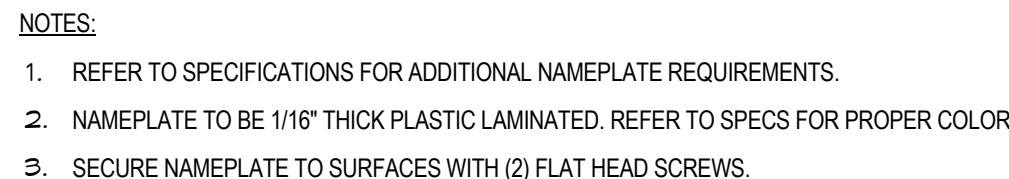
PROJECT NO:
• 2012020
DRAWN BY:
• DKH
CHECKED BY:
• JDJ
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE
ELECTRICAL
LEGEND /
SCHEDULES

SHEET NUMBER
E001
368 of 458

Plot Date: BID DOCUMENTS - 04 MAR 2013



SCALE: N.T.S



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



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



N.T.S



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KEYNOTES

- 1 TELECOMMUNICATION GROUNDING BUSS, SEE SPECIFICATIONS.
- 2 CONNECT TO EQUIPMENT GROUND BUSS IN SWITCHBOARD.
- 3 (1) #10 IN 2" CONDUIT.
- 4 ALL CONNECTIONS SHALL BE EXOTHERMIC WELDS.
- 5 (1) #40 IN 2" CONDUIT, GROUNDING ELECTRODE CONDUCTOR.
- 6 TRANSFORMER GROUNDING BUSS, 2" x 24" x 1/4" THICK COPPER, ISOLATED FROM STRUCTURE.

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

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

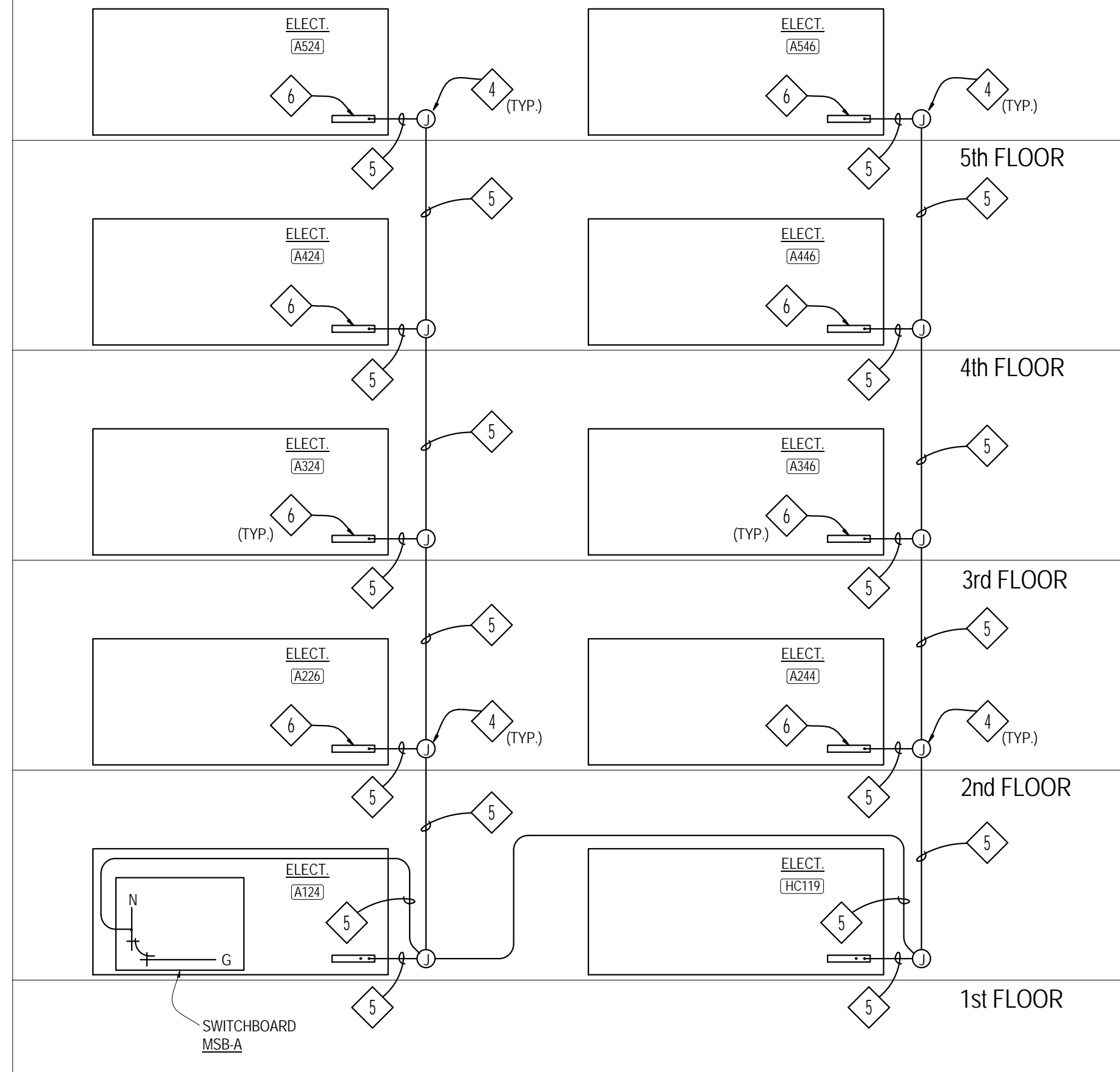
PROJECT NO:
• 2012020
DRAWN BY:
• DKH
CHECKED BY:
• JDL
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS	

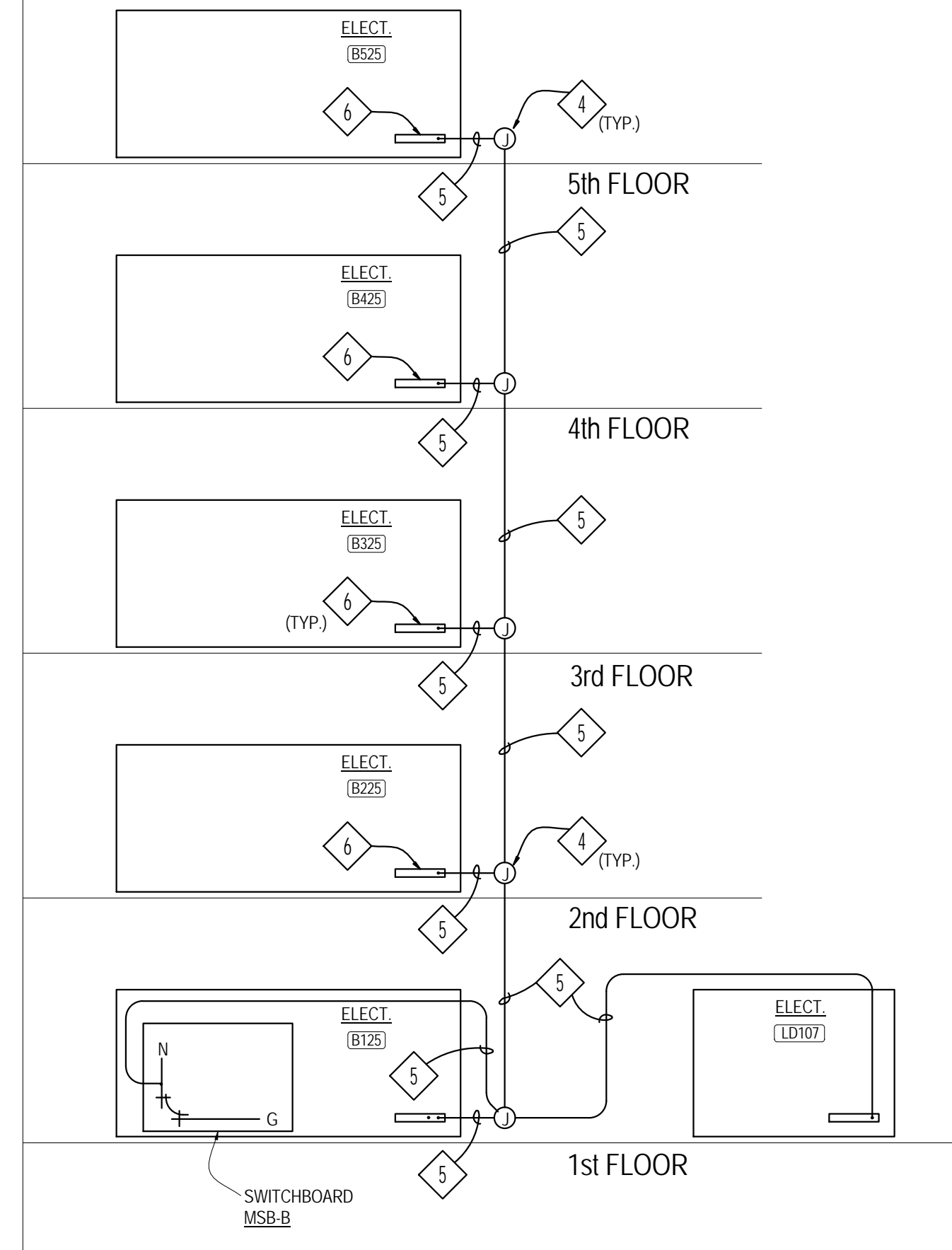
SHEET TITLE
ELECTRICAL
DETAILS

SHEET NUMBER
E003

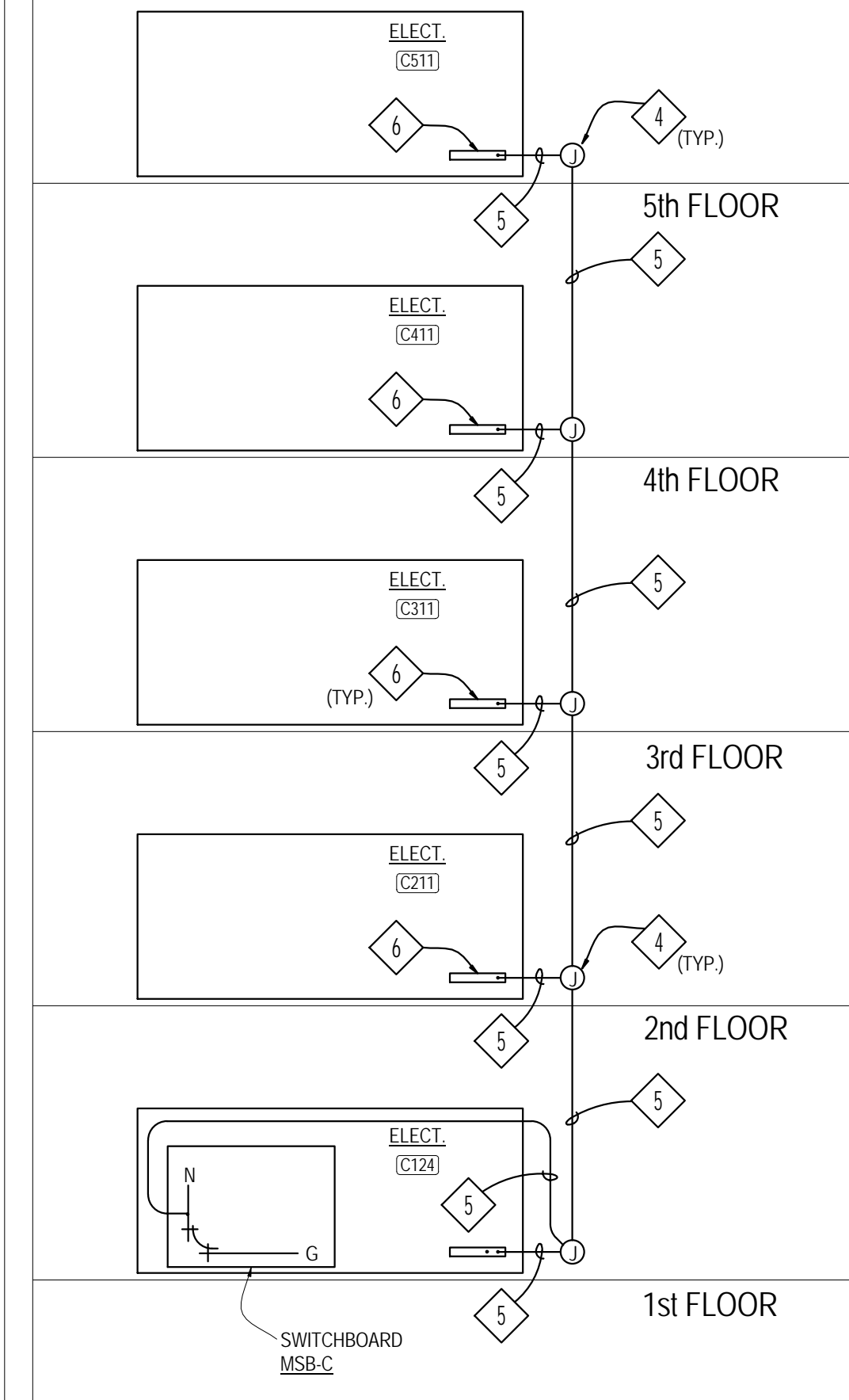
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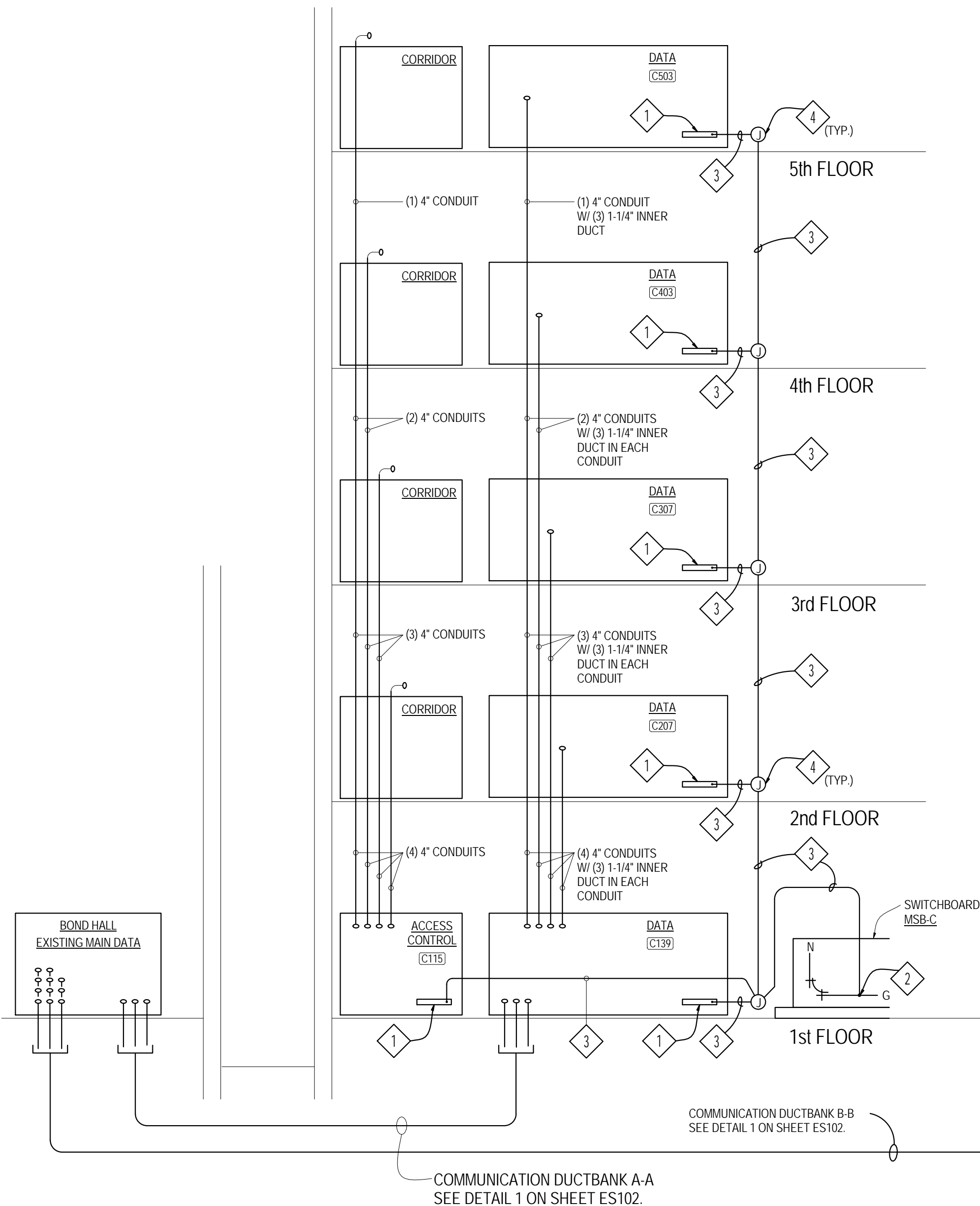
BUILDING "A"
ELECTRICAL POWER GROUNDING RISER DIAGRAM
SCALE: N.T.S.



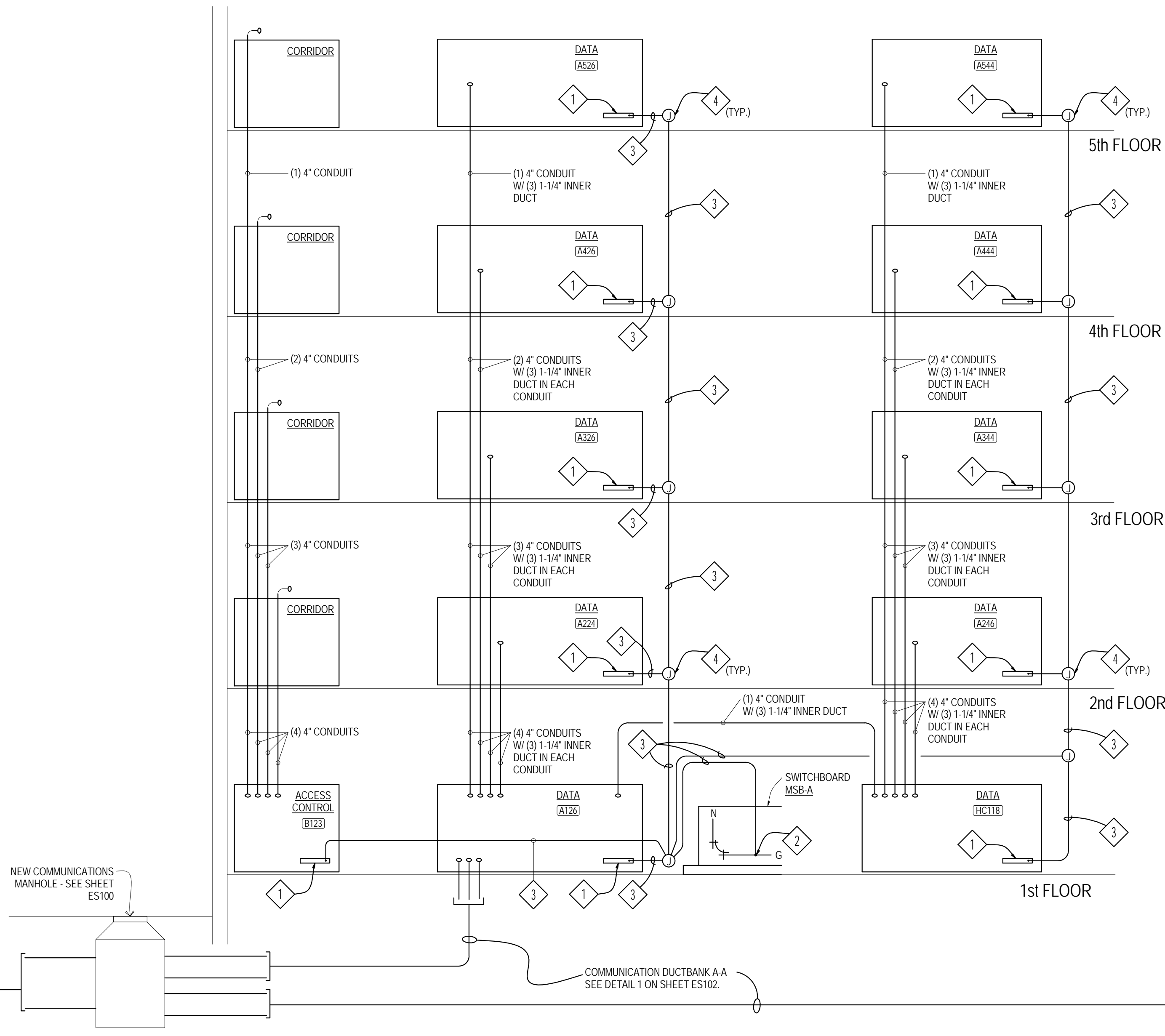
BUILDING "B"
ELECTRICAL POWER GROUNDING RISER DIAGRAM
SCALE: N.T.S.



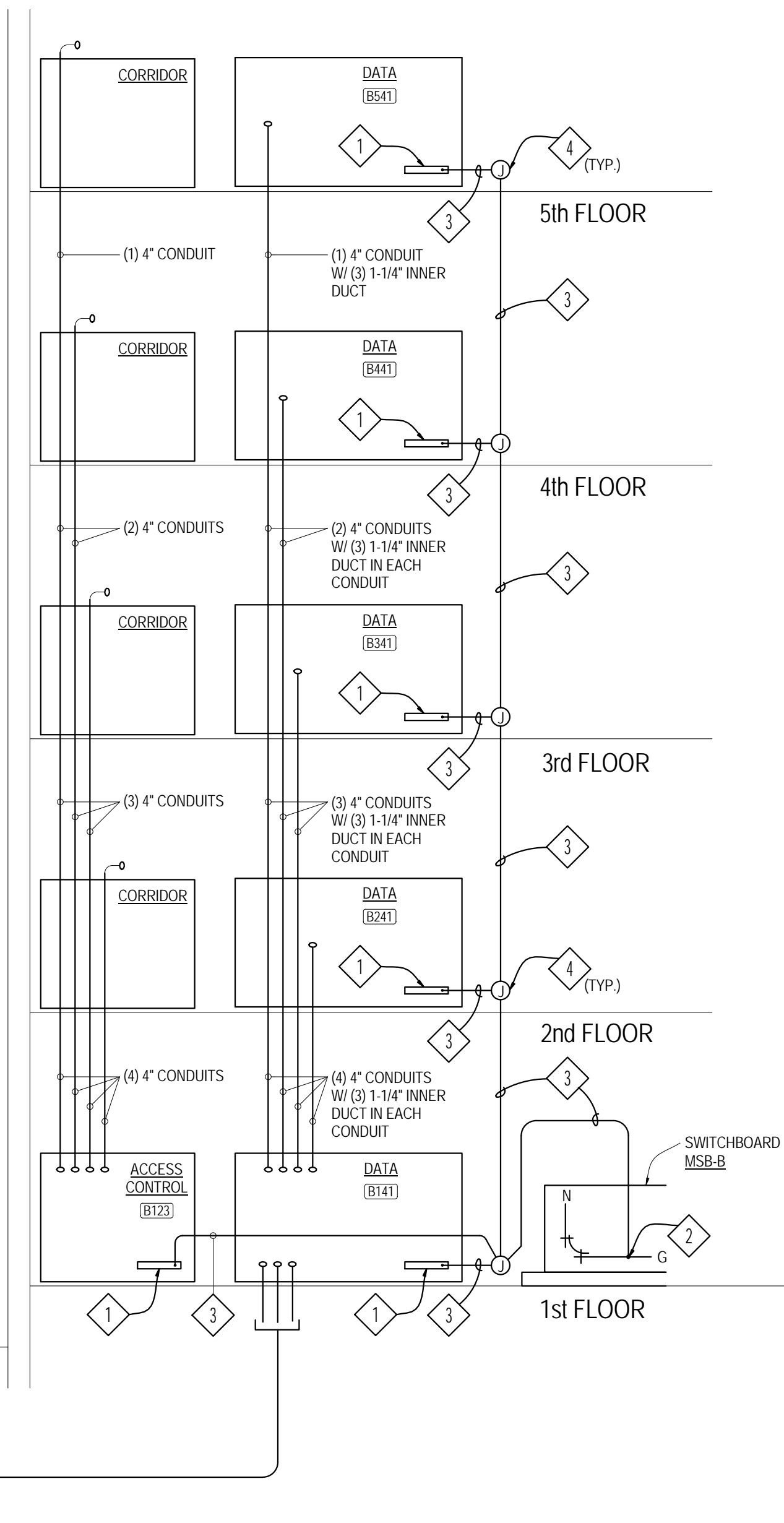
BUILDING "C"
ELECTRICAL POWER GROUNDING RISER DIAGRAM
SCALE: N.T.S.




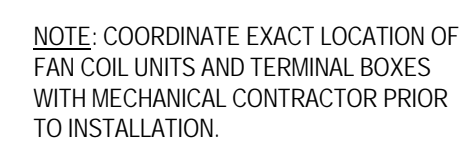
BUILDING "C" - DATA RACEWAY RISER
SCALE: N.T.S.



BUILDING "A" - DATA RACEWAY RISER
SCALE: N.T.S.



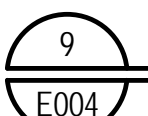
BUILDING "B" - DATA RACEWAY RISER
SCALE: N.T.S.



E004

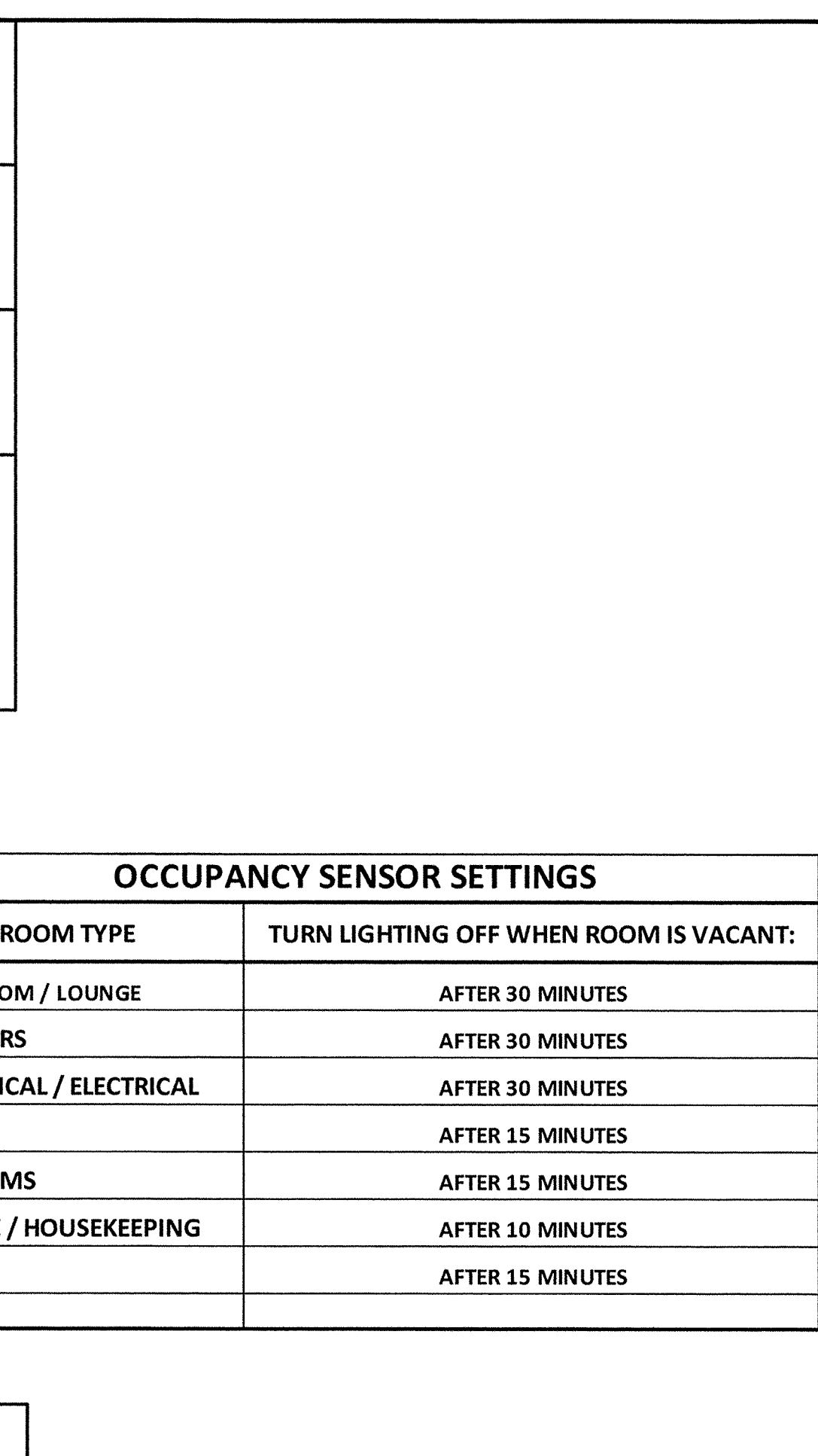


E004



E004

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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	

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.

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

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

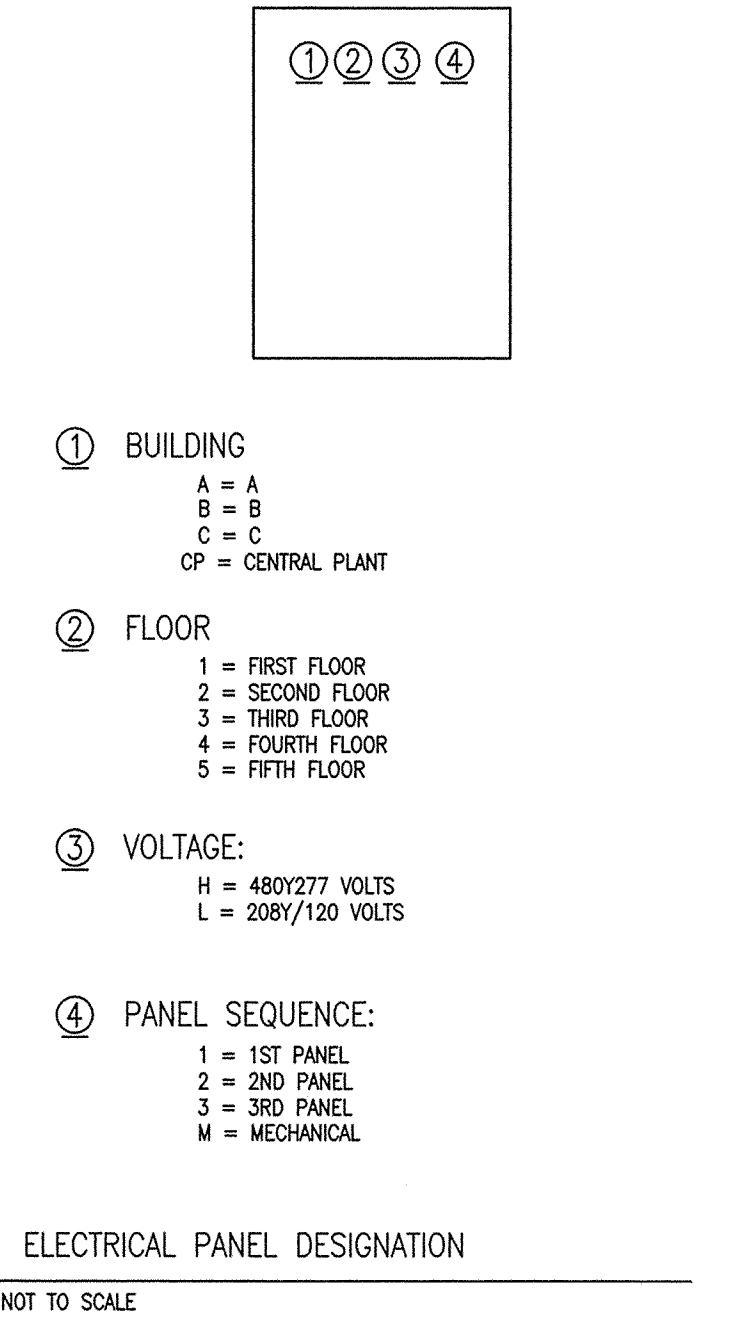
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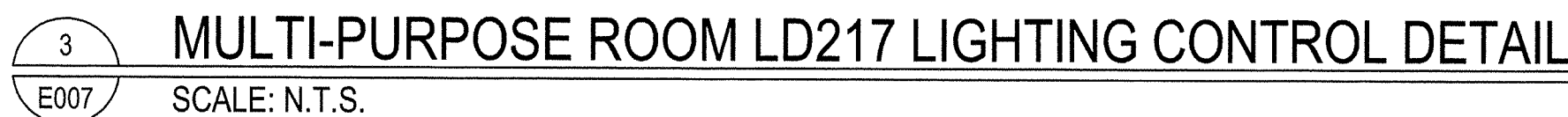
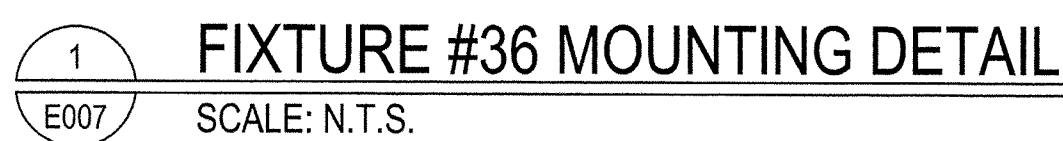
SHEET TITLE
MV ONE-LINE &
CENTRAL
PLANT POWER
RISER
DIAGRAM

SHEET NUMBER

E006

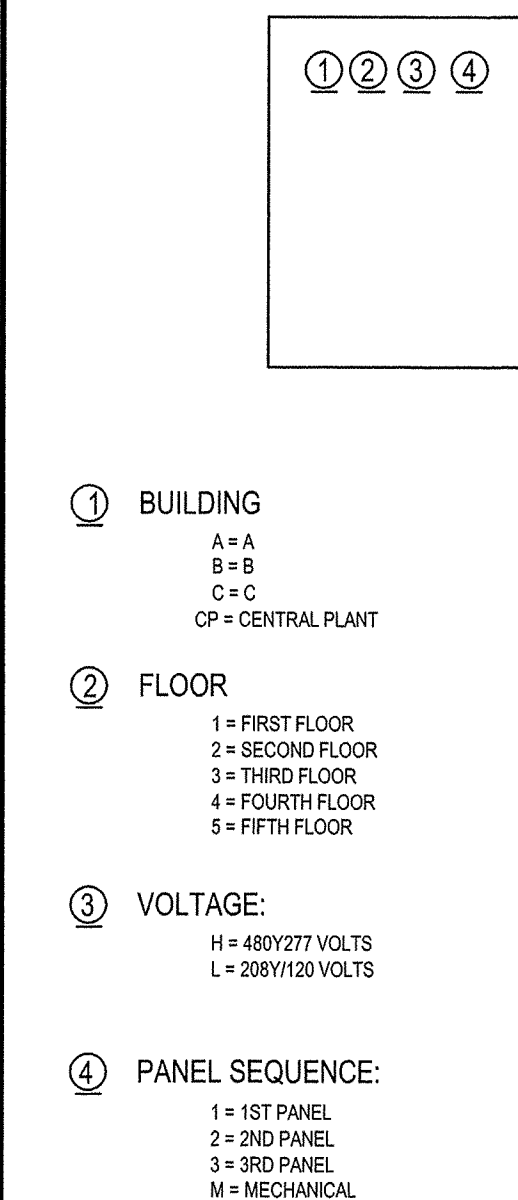
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NOTES:

1. 5 SQUARE BACKBOX (RANDL IND. T-55017) WITH SINGLE GANG PLASTER RING
2. 2.875" DEEP
3. REFER TO SPEC 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 EO02.
8. ALL CONDUIT STUBS SHALL BE TAKEN BACK TO ABOVE ACCESSIBLE CEILINGS.
9. REFER TO SPEC SECTION 271300 FOR VENDOR REQUIREMENTS FOR EACH DEVICE TYPE.



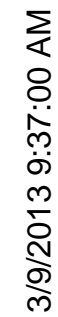
ELECTRICAL PANEL DESIGNATION

SHEET TITLE
MEDIUM
VOLTAGE
ONE-LINE
DIAGRAM

SHEET NUMBER

E007

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Switchboard MSB-A

Location: ELEC A124
Supply From:
Mounting: FLOOR
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 30K
Mains Type:
Mains Rating: 1600 A
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							

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
				Total Est. Demand: 1000 A
Motor	115885 VA	80.00%	92708 VA	
Other	0 VA	0.00%	0 VA	
Power	68968 VA	100.00%	68968 VA	
Receptacle	103884e 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
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	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	Wash 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		3	20 A	3#12,1#12G	HWRP-A3	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	--	--	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	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
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	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 NOTES	10	
11	Recept A101b NOTE 5	3#10	20 A	1			1500 1080		1	20 A 3#10	Receptacle A110 NOTES	12	
13	Wash Mach A101	3#10	20 A	1	1200 1500				1	20 A 3#10	Receptacle A110a NOTES	14	
15	Receptacle A101 NOTE 5	3#10	20 A	1		540 VA 900 VA			1	20 A 3#10	Receptacle A112 NOTES	16	
17	Range Hood A101	3#10	20 A	1			500 VA 900 VA		1	20 A 3#10	Receptacle A112 NOTES	18	
19	Range A101	2#8,1#10G	50 A	2	4270 1500				1	20 A 3#10	Receptacle A112 NOTES	20	
21	--	--	--	--	--	4270 900 VA			1	20 A 3#10	Receptacle A114 NOTES	22	
23	Dishwasher APT A101	3#10	20 A	1			1092 900 VA		1	20 A 3#10	Receptacle A114 NOTES	24	
25	Dryer A101 D	2#10,1#10G	30 A	2	1700 1500				1	20 A 3#10	ReceptacleA114 NOTES	26	
27	--	--	--	--	--	1700 900 VA			1	20 A 3#10	Receptacle A116 NOTES	28	
29	Receptacle A105 NOTE 5	3#10	20 A	1			900 VA 900 VA		1	20 A 3#10	Receptacle A116 NOTES	30	
31	Receptacle A105 NOTE 5	3#10	20 A	1	900 VA 180 VA				1	20 A 3#10	Receptacle A116 NOTES	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</
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Branch Panel: A1H2													
Location: ELEC HC119					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-A1L4		125 A	3	16920 986 VA	19662 873 VA			1	20 A 3#12	Lighting HC14	2	
3	--		--	--					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	13338 748 VA			1	20 A 3#12	Lighting HC160	8	
9	--		--	--					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	0 VA 1166		0 VA 1000	1	20 A 3#12	Lighting HC115	20	
21	Spare		20 A	1					1	20 A 3#10	Lighting STAIR A1 A171	22	
23	Spare		20 A	1					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: A1L5													
Location: ELEC HC119					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 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	Isomaker 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: 40863 VA				
Power			5184 VA		100.00%		5184 VA		Total Est. Demand: 23445 VA				
Receptacle			34380 VA		50.00%		17190 VA		Total Conn. Ld. VA				
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 AC 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: 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	0 VA	399 VA	1	20 A	3#12 Lighting A203	20	
21	Spare		20 A	1					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		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	BLU-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	BLU-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 WATT/ HOUR METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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 A231 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 A232 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 A230 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 A206d	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	Space	38	
39	Receptacle A221 NOTE 5	3#12	20 A	1		900 VA	0 VA		1	20 A	Space	40	
41	Receptacle A221 NOTE 5	3#12	20 A	1			1500	0 VA	1	20 A	Space	42	
43	Receptacle A219 NOTE 5	3#12	20 A	1	900 VA	0 VA			1	20 A	Space	44	
45	Receptacle A219 NOTE 5	3#12	20 A	1		900 VA	0 VA		1	20 A	Space	46	
47	Receptacle A203 NOTE 5	3#12	20 A	1			720 VA	0 VA	1	20 A	Space	48	
49	Refrigerator A203	3#12	20 A	1	1440	0 VA			1	20 A	Space	50	
51	Receptacle A203	3#12	20 A	1		180 VA	0 VA		1	20 A	Space	52	
53	Oven A203	2#12,1#12G	20 A	2			1500	0 VA	1	20 A	Space	54	
55	--	--	--	--	1500	0 VA			1	20 A	Space	56	
57	SHUNT-TRIP OVEN	--	--	--		0 VA	0 VA		1	20 A	Space	58	
59	Receptacle A203 NOTE 5	3#12	20 A	1			540 VA	0 VA	1	20 A	Space	60	
61	Receptacle A203 NOTE 5	3#12	20 A	1	360 VA	0 VA			1	20 A	Space	62	
63	Microwave A203	3#12	20 A	1		900 VA	0 VA		1	20 A	Space	64	
65	Microwave A203	3#12	20 A	1			900 VA	0 VA	1	20 A	Space	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		Total Conn. Load: 49880 VA					
Receptacle				49380 VA	50.00%	24690 VA		Total Est. Demand: 25074 VA					
								Total Conn. Load: 118 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) 4 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS													
4. PANEL SHALL HAVE DOOR-IN-DOOR CIRCUT.													
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.													

Branch Panel: A2H2														
Location: ELEC A244					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-A2L4	125 A	--	--	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 / EMI	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	BUV-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	BUV-A1 Exhaust Fan	3#12,1#12G	20 A	3	3050	0 VA	3050	0 VA	--	--		Space	74	
75	--	--	--	--	--	--	--	3050	0 VA	--	--	Space	76	
77	--	--	--	--	0 VA	0 VA			--	--		Space	78	
79	Space	--	--	--	--	--	--	--	--	--		Space	80	
81	Space	--	--	--	--	--	--	--	--	--		Space	82	
83	Space	--	--	--	--	--	--	--	--	--		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 WATT-THRU METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.														
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.														

Branch Panel: A2L5													
Location: ELEC A244					OC Type: CIRCUIT BREAKER					Voltage L-L: 208V			
Device: BOLT ON					Enclosure: NEMA 1					Voltage L-N: 120V			
Mounting: SURFACE					Comments:					Amprage: 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	BUV-A1 Wheel	42
43	Receptacle A254 NOTE 5	3#12	20 A	1	720 VA	0 VA			1	20 A		Space	44
45	Receptacle A254 NOTE 5	3#12	20 A	1		540 VA	0 VA		1	20 A		Space	46
47	Refrigerator A254	3#12	20 A	1			1440	0 VA	1	20 A		Space	48
49	Receptacle A254 NOTE 5	3#12	20 A	1	360 VA	0 VA			1	20 A		Space	50
51	Receptacle A254 NOTE 5	3#12	20 A	1		180 VA	0 VA		1	20 A		Space	52
53	Oven A254a	2#12,1#12G	20 A	2			1500	0 VA	1	20 A		Space	54
55	--	--	--	--	1500	0 VA			1	20 A		Space	56
57	SHUNT TRIP OVEN	--	--	--		0 VA	0 VA		1	20 A		Space	58
59	Microwave A254	3#12	20 A	1			900 VA	0 VA	1	20 A		Space	60
61	Microwave A254	3#12	20 A	1	900 VA	0 VA			1	20 A		Space	62
63	Microwave A254	3#12	20 A	1		900 VA	0 VA		1	20 A		Space	64
65	Receptacle A254 NOTE 5	3#12	20 A	1			360 VA	0 VA	1	20 A		Space	66
67	Auto Door A239	3#12	20 A	1	500 VA	0 VA			--	--		Space	68
69	HVAC MECH A252	--	--	--		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: 65694 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.													

Branch Panel: A3H1													
Location: ELEC A324				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-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	0 VA	528 VA	1	20 A	3#12	Lighting A330	20
21	Spare		20 A	1					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	0 VA	0 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		--	--					--	--		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 WATT/OUR METER FOR PANEL SECTION 2. INSTALL 'CT' ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.													

Branch Panel: A3L2													
Location: ELEC A324				OC Type: CIRCUIT BREAKER				Voltage L-L: 208V					
Device: BOTL 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 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		Total Conn. Load: 50040 VA					
Receptacle		49560 VA		50.00%		24780 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.													

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 A366	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		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		--	--	Spare	34	
35	Space		--	--			0 VA	0 VA	--	--	Spare	36	
37	Space		--	--	0 VA	0 VA			--	--	Spare	38	
39	Space		--	--		0 VA	0 VA		--	--	Spare	40	
41	Space		--	--					--	--	Spare	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			--	--	Spare	68	
69	Space		--	--		0 VA	0 VA		--	--	Spare	70	
71	Space		--	--			0 VA	0 VA	--	--	Spare	72	
73	Space		--	--	0 VA	0 VA			--	--	Spare	74	
75	Space		--	--		0 VA	0 VA		--	--	Spare	76	
77	Space		--	--			0 VA	0 VA	--	--	Spare	78	
79	Space		--	--	0 VA	0 VA			--	--	Spare	80	
81	Space		--	--		0 VA	0 VA		--	--	Spare	82	
83	Space		--	--			0 VA	0 VA	--	--	Spare	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 WATT/THRU METER FOR PANEL SECTION 2. INSTALL 'CT' ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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	Space	42	
43	Receptacle A352 NOTE 5	3#12	20 A	1	900 VA	0 VA			1	20 A	Space	44	
45	Receptacle A352 NOTE 5	3#12	20 A	1		540 VA	0 VA		1	20 A	Space	46	
47	Refrigerator A352	3#12	20 A	1			1440	0 VA	1	20 A	Space	48	
49	Receptacle A352 NOTE 5	3#12	20 A	1	360 VA	0 VA			1	20 A	Space	50	
51	Receptacle A352 NOTE 5	3#12	20 A	1		180 VA	0 VA		1	20 A	Space	52	
53	Oven A352	2#12,1#12G	20 A	2			1500	0 VA	1	20 A	Space	54	
55	--	--	--	--	1500	0 VA			1	20 A	Space	56	
57	SHUNT TRIP OVEN	--	--	--		0 VA	0 VA		1	20 A	Space	58	
59	Microwave A352	3#12	20 A	1			900 VA	0 VA	1	20 A	Space	60	
61	Microwave A352	3#12	20 A	1	900 VA	0 VA			1	20 A	Space	62	
63	Microwave A352	3#12	20 A	1		900 VA	0 VA		1	20 A	Space	64	
65	Receptacle A352 NOTE 5	3#12	20 A	1			360 VA	0 VA	1	20 A	Space	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		Total Conn. Load: 49320 VA					
Receptacle		48840 VA		50.00%		24420 VA		Total Est. Demand: 24864 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.													

Branch Panel: A4H1														
Location: ELEC A424				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-A4L1	SEE RISER	125 A	--	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	0 VA	529 VA	1	20 A	3#12	Lighting A430	20	
21	Spare		20 A	1					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	0 VA	0 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		4933 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 WATT/THRU METER FOR PANEL SECTION 2. INSTALL 'CT' ON CONDUCTORS FEEDING SECTION 2.														
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.														

Branch Panel: A4L2														
Location: ELEC A424				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 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		Total Conn. Load: 43980 VA						
Receptacle		49380 VA		50.00%		24690 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.														

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 A462	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		28	
29	Spare		20 A	1			0 VA	0 VA	1	20 A		30	
31	Space		--	--	0 VA	0 VA			1	20 A		32	
33	Space		--	--		0 VA	0 VA		--	--		34	
35	Space		--	--			0 VA	0 VA	--	--		36	
37	Space		--	--	0 VA	0 VA			--	--		38	
39	Space		--	--		0 VA	0 VA		--	--		40	
41	Space		--	--			0 VA	0 VA	--	--		42	
43	FCU A4-32, 33, 34	3#12	20 A	1	417 VA	0 VA			1	20 A		44	
45	FCU A4-35, 36, 37	3#12	20 A	1		417 VA	0 VA		1	20 A		46	
47	FCU A4-38, 39	3#12	20 A	1			278 VA	0 VA	1	20 A		48	
49	FCU A4-40, 41	3#12	20 A	1	278 VA	0 VA			1	20 A		50	
51	FCU A4-42, 43, 44	3#12	20 A	1		445 VA	0 VA		1	20 A		52	
53	FCU A4-45, 46, 47	3#12	20 A	1			445 VA	0 VA	1	20 A		54	
55	FCU A4-48, 49, 50	3#12	20 A	1	417 VA	0 VA			1	20 A		56	
57	FCU A4-51, 52, 53	3#12	20 A	1		417 VA	0 VA		1	20 A		58	
59	FCU A4-54, 55, 56	3#12	20 A	1			417 VA	0 VA	1	20 A		60	
61	FCU A4-57, 58, 59	3#12	20 A	1	417 VA	0 VA			1	20 A		62	
63	FCU A4-60, 61-62	3#12	20 A	1		417 VA	0 VA		1	20 A		64	
65	Space		--	--				0 VA	0 VA	1	20 A	66	
67	Space		--	--	0 VA	0 VA			--	--		68	
69	Space		--	--		0 VA	0 VA		--	--		70	
71	Space		--	--			0 VA	0 VA	--	--		72	
73	Space		--	--	0 VA	0 VA			--	--		74	
75	Space		--	--		0 VA	0 VA		--	--		76	
77	Space		--	--			0 VA	0 VA	--	--		78	
79	Space		--	--	0 VA	0 VA			--	--		80	
81	Space		--	--		0 VA	0 VA		--	--		82	
83	Space		--	--			0 VA	0 VA	--	--		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.: 145 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 WATT/THRU METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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	Space	42	
43	Receptacle A452 NOTE 5	3#12	20 A	1	900 VA	0 VA			1	20 A	Space	44	
45	Receptacle A452 NOTE 5	3#12	20 A	1		540 VA	0 VA		1	20 A	Space	46	
47	Refrigerator A452	3#12	20 A	1			1440	0 VA	1	20 A	Space	48	
49	Receptacle A452 NOTE 5	3#12	20 A	1	360 VA	0 VA			1	20 A	Space	50	
51	Receptacle A452 NOTE 5	3#12	20 A	1		180 VA	0 VA		1	20 A	Space	52	
53	Oven A452a	2#12,1#12G	20 A	2			1500	0 VA	1	20 A	Space	54	
55	--	--	--	--	1500	0 VA			1	20 A	Space	56	
57	SHUNT TRIP OVEN	--	--	--		0 VA	0 VA		1	20 A	Space	58	
59	Microwave A452a	3#12	20 A	1			900 VA	0 VA	1	20 A	Space	60	
61	Microwave A452	3#12	20 A	1	900 VA	0 VA			1	20 A	Space	62	
63	Microwave A452	3#12	20 A	1		900 VA	0 VA		1	20 A	Space	64	
65	Receptacle A452 NOTE 5	3#12	20 A	1			360 VA	0 VA	1	20 A	Space	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		Total Conn. Load: 49320 VA					
Receptacle		48840 VA		50.00%		24420 VA		Total Est. Demand: 24864 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.													

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	--	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	0 VA	529 VA	1	20 A	3#12 Lighting A566	20	
21	Spare		20 A	1					1	20 A	3#12 Lighting A562	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	0 VA	0 VA	1	20 A	3#12 Lighting A500c	26	
27	Spare		20 A	1					1	20 A		28	
29	Spare		20 A	1				0 VA	0 VA	1		30	
31	Space		--	--	0 VA	0 VA			1	20 A		32	
33	Space		--	--		0 VA	0 VA		--	--		34	
35	Space		--	--			0 VA	0 VA	--	--		36	
37	Space		--	--	0 VA	0 VA			--	--		38	
39	Space		--	--		0 VA	0 VA		--	--		40	
41	Space		--	--					--	--		42	
43	FCU A5-32, 33, 34	3#12	20 A	1	417 VA	0 VA			1	20 A		44	
45	FCU A5-35, 36, 37	3#12	20 A	1		417 VA	0 VA		1	20 A		46	
47	FCU A5-38, 39	3#12	20 A	1			278 VA	0 VA	1	20 A		48	
49	FCU A5-40, 41	3#12	20 A	1	278 VA	0 VA			1	20 A		50	
51	FCU A5-42, 43, 44	3#12	20 A	1		445 VA	0 VA		1	20 A		52	
53	FCU A5-45, 46, 47	3#12	20 A	1			445 VA	0 VA	1	20 A		54	
55	FCU A5-48, 49, 50	3#12	20 A	1	417 VA	0 VA			1	20 A		56	
57	FCU A5-51, 52, 53	3#12	20 A	1		417 VA	0 VA		1	20 A		58	
59	FCU A5-54, 55, 56	3#12	20 A	1			417 VA	0 VA	1	20 A		60	
61	FCU A5-57, 58, 59	3#12	20 A	1	417 VA	0 VA			1	20 A		62	
63	FCU A5-60, 61, 62	3#12	20 A	1		417 VA	0 VA		1	20 A		64	
65	FCU-65 Stair A571	3#12	20 A	1			140 VA	0 VA	1	20 A		66	
67	Space		--	--	0 VA	0 VA			--	--		68	
69	Space		--	--		0 VA	0 VA		--	--		70	
71	Space		--	--			0 VA	0 VA	--	--		72	
73	Space		--	--	0 VA	0 VA			--	--		74	
75	Space		--	--		0 VA	0 VA		--	--		76	
77	Space		--	--			0 VA	0 VA	--	--		78	
79	Space		--	--	0 VA	0 VA			--	--		80	
81	Space		--	--		0 VA	0 VA		--	--		82	
83	Space		--	--			0 VA	0 VA	--	--		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 WATT/THRU METER FOR PANEL SECTION 2. INSTALL 'CT' ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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	3#12 Receptacle A544	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			--	--	Spare	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		Total Conn. Load: 498890 VA					
Receptacle		49380 VA		50.00%		24690 VA		Total Est. Demand: 25074 VA					
								Total Conn. Load: 138 A					
								Total Est. Demand: 70 A					
Notes:													
1. 250A 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.													

Switchboard MSB-B

Location: ELEC B125
Supply From:
Mounting:
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 30K AIC
Mains Type:
Mains Rating: 1200 A
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							

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	
Space	1680 VA	100.00%	1680 VA	

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

Branch Panel: B1H1

Location: VESTIBULE B125a
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	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#6, 1#10G	Site Lighting	10
11	Lighting B131	3#12	20 A	1			480 VA	2100	1	20 A	2#6, 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#6, 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			0 VA	--	--	Space	60	
61									--	--	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 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 WATT/ HOUR 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: B1L2

Location: ELEC B125
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 B101	3#12	20 A	1	900 VA	480 VA			20 A	3#12	EDF	2
3	Receptacle B105	3#12	20 A	1		540 VA	180 VA		20 A	3#12	HV/RP-B5	4
5	Receptacle B103	3#12	20 A	1			720 VA	360 VA	20 A	3#12	Receptacle ACCESS	6
7	Receptacle B103	3#12	20 A	1	360 VA	360 VA			20 A	3#12	Receptacle ACCESS	8
9	Receptacle B103	3#12	20 A	1		1200	360 VA		20 A	3#12	Receptacle ACCESS	10
11	Receptacle B104	3#12	20 A	1			540 VA	360 VA	20 A	3#12	Receptacle ACCESS	12
13	Receptacle B100a	3#12	20 A	1	1080	360 VA			20 A	3#12	Receptacle ACCESS	14
15	Receptacle B100	3#12	20 A	1		360 VA	360 VA		20 A	3#12	Receptacle ACCESS	16
17	Receptacle B100	3#12	20 A	1			720 VA	360 VA	20 A	3#12	Receptacle ACCESS	18
19	Receptacle B119	3#12	20 A	1	540 VA	540 VA			20 A	3#12	Receptacle B125	20
21	Receptacle B117	3#12	20 A	1		1200	452 VA		20 A	3#12	Receptacle Elev. Pit	22
23	Receptacle B117	3#12	20 A	1			1200	0 VA	20 A	3#12	Receptacle Elev. Pit	24
25	Receptacle B117	3#12	20 A	1	1200	0 VA			20 A	3#12	Receptacle Elev. Pit	26
27	Receptacle B117	3#12	20 A	1		1200	0 VA		20 A	3#12	Receptacle Elev. Pit	28
29	Receptacle B128	3#12	20 A	1			720 VA	0 VA	20 A	3#12	Receptacle Elev. Pit	30
31	Receptacle B139	3#12	20 A	1	720 VA	0 VA			20 A	3#12	Receptacle Elev. Pit	32
33	Receptacle B141	3#12	20 A	1		360 VA	0 VA		20 A	3#12	Receptacle Elev. Pit	34
35	Receptacle B141	3#12	20 A	1			360 VA	0 VA	20 A	3#12	Receptacle Elev. Pit	36
37	Receptacle B141	3#12	20 A	1	360 VA	0 VA			20 A	3#12	Receptacle Elev. Pit	38
39	Receptacle DATA B141	3#12	20 A	1		360 VA	0 VA		20 A	3#12	Receptacle Elev. Pit	40
41	Receptacle B141	3#12	20 A	1		360 VA	0 VA		20 A	3#12	Receptacle Elev. Pit	42
43	Dryer B128	3#12	20 A	1	900 VA	0 VA			20 A	3#12	Receptacle Elev. Pit	44
45	Dryer B128	3#12	20 A	1		900 VA	0 VA		20 A	3#12	Receptacle Elev. Pit	46
47	Dryer B128	3#12	20 A	1			900 VA	0 VA	20 A	3#12	Receptacle Elev. Pit	48
49	Dryer B128	3#12	20 A	1	900 VA	0 VA			20 A	3#12	Receptacle Elev. Pit	50
51	Dryer B128	3#12	20 A	1		900 VA	1440		20 A	3#10	Washer	52
53	Dryer B128	3#12	20 A	1			900 VA	1440	20 A	3#10	Washer	54
55	Dryer B128	3#12	20 A	1	900 VA	1440			20 A	3#10	Washer	56
57	Dryer B128	3#12	20 A	1		900 VA	1440		20 A	3#10	Washer	58
59	Dryer B128	3#12	20 A	1		900 VA	1440		20 A	3#10	Washer	60
61	Dryer B128	3#12	20 A	1	900 VA	1440			20 A	3#10	Washer	62
63	Dryer B128	3#12	20 A	1		900 VA	1440		20 A	3#10	Washer	64
65	Dryer B128	3#12	20 A	1			900 VA	1440	20 A	3#10	Washer	66
67	Fire Alarm Control Panel	3#12	20 A	1	500 VA	1440			20 A	3#10	Washer	68
69	Dryer Control Panel	3#12	20 A	1		500 VA	1440		20 A	3#10	Washer	70
71	Space	--	--	--			0 VA	1440	20 A	3#10	Washer	72
73	Space	--	--	--	0 VA	1440			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: B1L1

Location: ELEC B125
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 B143 NOTE5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B140 NOTE 5	2
3	Receptacle B143 NOTE5	3#12	20 A	1		900 VA	900 VA		20 A	3#12	Receptacle B140 NOTE 5	4
5	Receptacle B143 NOTE5	3#12	20 A	1			1500	1500	20 A	3#12	Receptacle B140 NOTE 5	6
7	Receptacle B145 NOTE5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B142 NOTE 5	8
9	Receptacle B145 NOTE5	3#12	20 A	1		900 VA	900 VA		20 A	3#12	Receptacle B142 NOTE 5	10
11	Receptacle B145 NOTE5	3#12	20 A	1			1500	1500	20 A	3#12	Receptacle B142 NOTE 5	12
13	Receptacle B147 NOTE5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B144 NOTE 5	14
15	Receptacle B147 NOTE5	3#12	20 A	1		900 VA	900 VA		20 A	3#12	Receptacle B144 NOTE 5	16
17	Receptacle B147 NOTE5	3#12	20 A	1			1500	1500	20 A	3#12	Receptacle B144 NOTE 5	18
19	Receptacle B149 NOTE5	3#10	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B146 NOTE 5	20
21	Receptacle B149 NOTE5	3#10	20 A	1		900 VA	900 VA		20 A	3#12	Receptacle B146 NOTE 5	22
23	Receptacle B149 NOTE5	3#10	20 A	1			1500	1500	20 A	3#12	Receptacle B146 NOTE 5	24
25	Receptacle B124 NOTE5	3#12	20 A	1	900 VA	900 VA			20 A	3#10	Receptacle B148 NOTE 5	26
27	Receptacle B124 NOTE5	3#12	20 A	1		900 VA	900 VA		20 A	3#10	Receptacle B148 NOTE 5	28
29	Receptacle B124 NOTE5	3#12	20 A	1			1500	1500	20 A	3#10	Receptacle B148 NOTE 5	30
31	Spare		0 A	1	0 VA	900 VA			20 A	3#10	Receptacle B150 NOTE 5	32
33	Spare		0 A	1		0 VA	900 VA		20 A	3#10	Receptacle B150 NOTE 5	34
35	Spare		0 A	1			0 VA	1500	20 A	3#10	Receptacle B150 NOTE 5	36
37	Spare		0 A	1	0 VA	900 VA			20 A	3#10	Receptacle B100B NOTE 38	38
39	Spare		0 A	1		0 VA	540 VA		20 A	3#10	Receptacle B152 NOTE 5	40
41	Spare		0 A	1			0 VA	360 VA	20 A	3#10	Receptacle B152 NOTE 5	42
43	Receptacle B126 NOTE5	3#12	20 A	1	720 VA	220 VA			20 A	3#12	Code Blue Station	44
45	Receptacle B126 NOTE5	3#12	20 A	1		540 VA	500 VA		20 A	3#12	Auto Door B126	46
47	Refrigerator B126	3#12	20 A	1			1440	500 VA	20 A	3#12	Auto Door B123	48
49	Receptacle B126 NOTE5	3#12	20 A	1	360 VA	500 VA			20 A	3#12	Auto Door B128	50
51	Receptacle B126 NOTE5	3#12	20 A	1		180 VA	500 VA		20 A	3#12	Auto Door B120	52
53	Microwave B126	3#12	20 A	1			900 VA	500 VA	20 A	3#10	Auto Door B149	54
55	Microwave B126	3#12	20 A	1	900 VA	480 VA			20 A	3#12	EDF	56
57	Microwave B126	3#12	20 A	1		900 VA	0 VA		20 A	3#10	Spare	58
59	Oven B126	2#12,1#12G	20 A	2			1673	0 VA	20 A	3#10	Spare	60
61				--	1673	0 VA			20 A	3#12	Spare	62
63	SHUNT TRIP OVEN	3#10	--	--		0 VA	0 VA		20 A	3#10	Spare	64
65	Receptacle B126 NOTE 5	3#12	20 A	1			360 VA	0 VA	20 A	3#10	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	Spare		--	--	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					

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	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-B6	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) 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: 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	--	--	--	8
7	FCU	3#12	20 A	1	417 VA	3880		3	25 A	3#10,1#10G	BVU-B1 Exhaust Fan	10
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%		514 VA					
Motor			43142 VA		80.00%		34514 VA					
									Total Conn. Load: 496350 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.												

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 B245, B247, B245, 4	4	
5	--	--	--	--					16040	1000	1	20 A	3#12	Room B250, B246, B248, 6	6	
7	T-B2L2	SEE RISER	125 A	3	18733	792 VA					1	20 A	3#12	Room B242, B244, B240, 8	8	
9	--	--	--	--			14720	792 VA			1	20 A	3#12	Room B236, B222, B224, 10	10	
11	--	--	--	--					24793	792 VA	1	20 A	3#12	Room B226, B228, B230, 12	12	
13	T-B2L3	SEE RISER	125 A	3	14540	1000					1	20 A	3#12	Room B234, B231, B233, 14	14	
15	--	--	--	--			17540	792 VA			1	20 A	3#12	Room B227, B228, B231, 16	16	
17	--	--	--	--					18420	528 VA	1	20 A	3#12	Room B219, B217, B219a, 18	18	
19	ELEVATOR - NOTE 7	3#8,1#10G	35 A	3	8310	792 VA					1	20 A	3#12	Room B205a, B203a, 20	20	
21	--	--	--	--			8310	792 VA			1	20 A	3#12	Room B211a, B209a, 22	22	
23	--	--	--	--					8310	480 VA	1	20 A	3#12	Room B213a, B213, B214, 24	24	
25	Spare		20 A	1	0 VA	792 VA		0 VA	792 VA		1	20 A	3#12	Room B212a, B210a, 26	26	
27	Spare		20 A	1				0 VA	792 VA		1	20 A	3#12	Room B208a, B204a, 28	28	
29	Spare		20 A	1				0 VA	673 VA	1	20 A	3#12	Lighting CORRIDOR	30	30	
31	Space		--	--	0 VA	571 VA					1	20 A	3#12	Lighting	32	32
33	Space		--	--			0 VA	1225			1	20 A	3#12	Lighting Corridor	34	34
35	Space		--	--					0 VA	1284	1	20 A	3#12	Lighting STAIR B3 B215	36	36
37	Space		--	--	0 VA	0 VA					1	20 A		Spare	38	38
39	Space		--	--			0 VA	0 VA			1	20 A		Spare	40	40
41	Space		--	--					0 VA	0 VA	1	20 A		Spare	42	42
43	FCU B2-42, 44, 45	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	44	44
45	FCU B2-40, 41, 43	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	46	46
47	FCU B2-36, 38, 39	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	48	48
49	FCU B2-34, 35, 37	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	50	50
51	FCU B2-30, 33	3#12	20 A	1			278 VA	0 VA			1	20 A		Spare	52	52
53	FCU B2-27, 22, 23	3#12	20 A	1					611 VA	0 VA	1	20 A		Spare	54	54
55	FCU B2-24, 25, 26	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	56	56
57	FCU B2-22, 28, 29	3#12	20 A	1			417 VA	0 VA			1	20 A		Spare	58	58
59	FCU B2-20, 31, 32	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	60	60
61	FCU B4-18, 19	3#12	20 A	1	278 VA	0 VA					1	20 A		Spare	62	62
63	FCU B2-16, 17	3#12	20 A	1			445 VA	0 VA			1	20 A		Spare	64	64
65	FCU B2-12, 13, 14	3#12	20 A	1					417 VA	0 VA	1	20 A		Spare	66	66
67	FCU B2-10, 11	3#12	20 A	1	417 VA	0 VA					1	20 A		Spare	68	68
69	FCU B2-6, 7, 8	3#12	20 A	1			417 VA	0 VA			--	--		Space	70	70
71	FCU B2-3, 4, 5	3#12	20 A	1					417 VA	0 VA	--	--		Space	72	72
73	FCU B2-1, 2	3#12	20 A	1	278 VA	0 VA					--	--		Space	74	74
75	Space		--	--			0 VA	0 VA			--	--		Space	76	76
77	Space		--	--					0 VA	0 VA	--	--		Space	78	78
79	Space		--	--	0 VA	0 VA					--	--		Space	80	80
81	Space		--	--			0 VA	0 VA			--	--		Space	82	82
83	Space		--	--					0 VA	0 VA	--	--		Space	84	84
Total Load:					61886 VA		64429 VA		74599 VA							
Total Amps:					223 A		234 A		271 A							

Notes:

1. 400A MLO LIGHTING AND APPLIANCE PANEL.

2. PANEL SHALL BE BRACED FOR 20K A/C MINIMUM.

3. TWO SECTION PANEL PROVIDE 62 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.

4. PANEL SHALL HAVE DOOR-IN-DOOR CIRCUIT.

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: 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				20 A	3#10	Receptacle B212 NOTE 5	2
3	Receptacle B213 NOTE 5	3#10	20 A	1		900 VA 900 VA			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 B210 NOTE 5	6
7	Receptacle B211 NOTE 5	3#10	20 A	1	900 VA 900 VA				1	20 A	Receptacle B210 NOTE 5	8
9	Receptacle B211 NOTE 5	3#10	20 A	1		900 VA 900 VA			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	Receptacle B208 NOTE 5	14
15	Receptacle B209 NOTE 5	3#10	20 A	1		900 VA 900 VA			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	Receptacle B206 NOTE 5	20
21	Receptacle B207 NOTE 5	3#10	20 A	1		900 VA 900 VA			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	Receptacle B204 NOTE 5	26
27	Receptacle B205 NOTE 5	3#10	20 A	1		900 VA 900 VA			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	Receptacle B202 NOTE 5	32
33	Receptacle B203 NOTE 5	3#10	20 A	1		900 VA 900 VA			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	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				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 B204 NOTE 5	3#12	20 A	1			360 VA 0 VA	1	20 A	1	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	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

Power

Receptacle

Connected Load

1500 VA

56746 VA

Demand Factor

100.00%

50.00%

Estimated Demand

1500 VA

28373 VA

Panel Totals

Total Conn. Load: 158246 VA

Total Est. Demand: 28373 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: 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

Ampirage: 225A

CKT	Circuit Description	Wire Size	Tripp	Poles	A	B	C	Poles	Tripp	Wire Size	Circuit Description	CKT	
1	Receptacle B243 NOTE 5	3#12	20 A	1	900 VA	900 VA			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	800 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	800 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

Power

Receptacle

Connected Load

1000 VA

44880 VA

Demand Factor

100.00%

50.00%

Estimated Demand

1000 VA

22440 VA

Panel Totals

Total Conn. Load: 145880 VA

Total Est. Demand: 23440 VA

Total Conn.: 127 A

Total Est. Demand: 66 A

Notes:

1. 225A MCB LIGHTING AND APPLIANCE PANEL.

2. PANEL SHALL BE BRACED FOR 12K ARC 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	Tripp	Poles	A	B	C	Poles	Tripp	Wire Size	Circuit Description	CKT
1	Receptacle B233 NOTE 5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B230 NOTE 5	2
3	Receptacle B233 NOTE 5	3#12	20 A	1		900 VA	1500		20 A	3#12	Receptacle B230 NOTE 5	4
5	Receptacle B233 NOTE 5	3#12	20 A	1			1500	900 VA	20 A	3#12	Receptacle B228 NOTE 5	6
7	Receptacle B231 NOTE 5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B228 NOTE 5	8
9	Receptacle B231 NOTE 5	3#12	20 A	1		900 VA	1500		20 A	3#12	Receptacle B228 NOTE 5	10
11	Receptacle B231 NOTE 5	3#12	20 A	1			1500	900 VA	20 A	3#12	Receptacle B228 NOTE 5	12
13	Receptacle B229 NOTE 5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B228 NOTE 5	14
15	Receptacle B229 NOTE 5	3#12	20 A	1		900 VA	1500		20 A	3#12	Receptacle B228 NOTE 5	16
17	Receptacle B229 NOTE 5	3#12	20 A	1			1500	720 VA	20 A	3#12	Receptacle B200b NOTE	18
19	Receptacle B227 NOTE 5	3#12	20 A	1	900 VA	900 VA			20 A	3#12	Receptacle B217 NOTE 5	20
21	Receptacle B227 NOTE 5	3#12	20 A	1		900 VA	900 VA		20 A	3#12	Receptacle B217 NOTE 5	22
23	Receptacle B227 NOTE 5	3#12	20 A	1			1500	1500	20 A	3#12	Receptacle B217 NOTE 5	24
25	Receptacle B237 NOTE 5	3#12	20 A	1	540 VA	800 VA			20 A	3#12	Receptacle B219 NOTE 5	26
27	Receptacle B237 NOTE 5	3#12	20 A	1			360 VA	1080	20 A	3#12	Receptacle B219 NOTE 5	28
29	Receptacle B234 NOTE 5	3#12	20 A	1			900 VA	1500	20 A	3#12	Receptacle B219 NOTE 5	30
31	Receptacle B234 NOTE 5	3#12	20 A	1	900 VA	1080			20 A	3#12	Receptacle B218 NOTE 5	32
33	Receptacle B234 NOTE 5	3#12	20 A	1			1500	900 VA	20 A	3#12	Receptacle B218 NOTE 5	34
35	Receptacle B232 NOTE 5	3#12	20 A	1			900 VA	1500	20 A	3#12	Receptacle B218 NOTE 5	36
37	Receptacle B232 NOTE 5	3#12	20 A	1	900 VA	1080			20 A	3#12	Receptacle B220 NOTE 5	38
39	Receptacle B232 NOTE 5	3#12	20 A	1			1500	900 VA	20 A	3#12	Receptacle B220 NOTE 5	40
41	Receptacle B230 NOTE 5	3#12	20 A	1			900 VA	1500	20 A	3#12	Receptacle B220 NOTE 5	42
43	Receptacle B223	3#12	20 A	1	720 VA	500 VA			20 A	3#12	Auto Door B200b	44
45	Receptacle B225	3#12	20 A	1		720 VA	500 VA		20 A	3#12	Auto Door B220	46
47	Receptacle B241	3#12	20 A	1			360 VA	480 VA	20 A	3#12		48
49	Receptacle B241	3#12	20 A	1	360 VA	0 VA			20 A	0 VA	Spare	50
51	Receptacle B241	3#12	20 A	1		360 VA	0 VA		20 A	0 VA	Spare	52
53	Receptacle B241	3#12	20 A	1	360 VA	0 VA			20 A	0 VA	Spare	54
55	Receptacle B200b NOTE	3#12	20 A	1		720 VA	0 VA		20 A	0 VA	Spare	56
57	Spare	20 A	1						20 A	0 VA	Spare	58
59	Spare	20 A	1						20 A	0 VA	Spare	60
61	Spare	20 A	1	0 VA	0 VA			0 VA	0 VA	20 A	Spare	62
63	Spare	20 A	1			0 VA	0 VA	0 VA	0 VA	20 A	Spare	64
65	Spare	20 A	1					0 VA	0 VA	20 A	Spare	66
67	Spare	--	--	--	0 VA	0 VA			--	--	Spare	68
69	Spare	--	--	--		0 VA	0 VA		--	--	Spare	70
71	Spare	--	--	--				0 VA	0 VA	--	Spare	72
73	Spare	--	--	--	0 VA	0 VA			--	--	Spare	74
75	Spare	--	--	--		0 VA	0 VA		--	--	Spare	76
77	Spare	--	--	--				0 VA	0 VA	--	Spare	78
79	Spare	--	--	--	0 VA	0 VA			--	--	Spare	80
81	Spare	--	--	--		0 VA	0 VA		--	--	Spare	82
83	Spare	--	--	--				0 VA	0 VA	--	Spare	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: 50590 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 AC 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.

CLA <small>Corbett Legge & Associates, PLLC</small> Mechanical & Electrical Engineers Post Office Box 7370 (38802) 431 West Main Street • Suite 101 Tupelo, MS 38804 Mississippi CA: # E-00007775 REG-444-7114 Fax: DE2-844-7138	THE MCCARTY COMPANY DESIGN GROUP, P.A. HATTIESBURG ADDRESS: P.O. BOX 440 TUPELO, MS 38802 OFFICE ADDRESS: 535 WEST MAIN STREET TUPELO, MS 38804 TELEPHONE: (662) 844-4400 FAX: (662) 844-0500																																													
DESIGN ARCHITECT Hanbury Evans Wright Viatras + Company 120 Atlantic Street Norfolk, VA 23510 757-321-9600 www.hewv.com																																														
<div style="float: left; width: 15%;">PROJECT TITLE:</div> <div style="float: right; width: 85%;"><p>USM - CENTURY PARK SOUTH</p><p>IHL# 208-297</p><p>HATTIESBURG, MISSISSIPPI</p></div> <div style="clear: both;"></div>																																														
<p>THE UNIVERSITY OF SOUTHERN MISSISSIPPI</p>																																														
<div>PROJECT NO.: • 2012020</div> <div>DRAWN BY: • DKH</div> <div>CHECKED BY: • JDL</div> <div>DATE ISSUED: • 04 MAR 2013</div>																																														
<div>REVISIONS & ADDENDUMS</div> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>		NO.	DESCRIPTION	DATE																																										
NO.	DESCRIPTION	DATE																																												
SHEET TITLE																																														
<p>BUILDING "B" - PANEL SCHEDULES</p>																																														
SHEET NUMBER																																														
<p>E023</p> <p>390 of 458</p>																																														

Branch Panel: B3H1													
Location: ELEC B325					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-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	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	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			1	20 A		Spare	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 WATT/THRU 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: B3L2												
Location: ELEC B325					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 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			--	--		Spare	68
69	Microwave B353	3#12	20 A	1		900 VA 0 VA		--	--		Spare	70
71	Microwave B353	3#12	20 A	1			900 VA 0 VA	--	--		Spare	72
73	Microwave B353	3#12	20 A	1	900 VA 0 VA			--	--		Spare	74
75	Receptacle B353 NOTE 5	3#12	20 A	1		360 VA 0 VA	0 VA 0 VA	--	--		Spare	76
77	Space	--	--	--				--	--		Spare	78
79	Space	--	--	--	0 VA 0 VA			--	--		Spare	80
81	Space	--	--	--		0 VA 0 VA		--	--		Spare	82
83	Space	--	--	--			0 VA 0 VA	--	--		Spare	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%		32023 VA		Total Conn. Load: 60406 VA			
									Total Est. Demand: 32023 VA			
									Total Conn. L: 168 A			
									Total Est. Demand: 84 A			
Notes:												
1. 225A MCC LIGHTING AND APPLIANCE PANEL												
2. PANEL SHALL BE BRACED FOR 10K A/C MINIMUM.												
3. TWO SECTION PANEL PROVIDE (2) 4 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: B4H1														
Location: ELEC B425					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-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	0 VA	792 VA		1	20 A	3#12	Room B405a, B403a, 20		
21	Spare	20 A	1						1	20 A	3#12	Room B411a, B409a, 22		
23	Spare	20 A	1	0 VA	792 VA	0 VA	792 VA		1	20 A	3#12	Room B416a, B416, 24		
25	Spare	20 A	1	0 VA	792 VA	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 B408a, 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	0 VA	0 VA	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	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				1	20 A		Spare 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	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: B4L2															
Location: ELEC B425					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 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		Space	44
45	Receptacle B402 NOTE 5	3#12	20 A	1			900 VA	0 VA			1	20 A		Space	46
47	Receptacle B402 NOTE 5	3#12	20 A	1					1500	0 VA	1	20 A		Space	48
49	Receptacle B400a NOTE 5	3#10	20 A	1	900 VA	0 VA					1	20 A		Space	50
51	Receptacle B400 NOTE 5	3#12	20 A	1			540 VA	0 VA			1	20 A		Space	52
53	Receptacle B453 NOTE 5	3#12	20 A	1					720 VA	0 VA	1	20 A		Space	54
55	Receptacle B453 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Space	56
57	Refrigerator B453	3#12	20 A	1			1440	0 VA			1	20 A		Space	58
59	Receptacle B453 NOTE 5	3#12	20 A	1					180 VA	0 VA	1	20 A		Space	60
61	Receptacle B453 NOTE 5	3#12	20 A	1	360 VA	0 VA					1	20 A		Space	62
63	Oven B453	2#12,1#12G	20 A	2			1673	0 VA			1	20 A		Space	64
65	--	--	--	--					1673	0 VA	1	20 A		Space	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		25873 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 AN 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: B5H1													
Location: ELEC B525					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-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 B508a, 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			1	20 A		Spare	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													
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: B5L2																
Location: ELEC B525					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 B513 NOTE 5	3#10	20 A	1	900 VA	900 VA	900 VA	900 VA		1	20 A	3#10	Receptacle B516 NOTE 5	2		
3	Receptacle B513 NOTE 5	3#10	20 A	1					1500	1500	1	20 A	3#10	Receptacle B518 NOTE 5	4	
5	Receptacle B513 NOTE 5	3#10	20 A	1							1	20 A	3#10	Receptacle B516 NOTE 5	6	
7	Receptacle B511 NOTE 5	3#10	20 A	1	900 VA	900 VA	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 B500A NOTE 5	3#12	20 A	1			540 VA	0 VA		1	20 A	3#10	Spare		52	
53	Receptacle B553	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	3#10	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	3#10	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.: 1170 A							
									Total Est. Demand: 86 A							
Notes:																
1. 225A MCB LIGHTING AND APPLIANCE PANEL.																
2. PANEL SHALL BE BRACED FOR 10-K ANCHOR.																
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.																

Switchboard MSB-C

Location: ELEC C122
Supply From:
Mounting: FLOOR
Enclosure: NEMA 1

Vots: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 25K AIC
Mains Type:
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
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	Lighting C125	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	BVLU-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	BVLU-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	3602 VA	80.00%	2882 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: C1L2

Location: ELEC C122
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 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	Receptacle C113	3#12	20 A	1	900 VA	0 VA		1	20 A	3#12	Spare	56	
57	Microwave C113	3#12	20 A	1		900 VA	0 VA	1	20 A	3#12	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.

Branch Panel: C1L1

Location: ELEC C122
Device: BOLT ON
Mounting: SURFACE

OC Type: CIRCUIT BREAKER
Enclosure: NEMA 1
Comments:

Voltage L-L: 208V
Voltage L-N: 120V
Amperage: 400A

CKT	Circuit Description	Wire Size	Trip	Poles	A	B	C	Poles	Trip	Wire Size
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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	
2	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 NLU 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		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		--	--	Spare	28	
29	Spare		20 A	1			0 VA	0 VA	--	--	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	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.: 166 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 WATTTHRU METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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 5	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 C2000 NOTE 5	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		Total Conn. Load: 143675 VA					
Receptacle		3749 VA		50.00%		18746 VA		Total Est. Demand: 24930 VA					
								Total Conn. Load: 121 A					
								Total Est. Demand: 69 A					
Notes:													
1. 225A MCB LIGHTING AND APPLIANCE PANEL.													
2. PANEL SHALL BE BRACED FOR 10K A/C 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: C3H1													
Location: ELEC C311				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-C3L1	SEE RISER	125 A	--	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		--	--	Spare	28	
29	Spare		20 A	1			0 VA	0 VA	--	--	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		20 A	1	611 VA	0 VA			1	20 A	Space	44	
45	FCU		20 A	1		417 VA	0 VA		1	20 A	Space	46	
47	FCU		20 A	1			417 VA	0 VA	1	20 A	Space	48	
49	FCU		20 A	1	417 VA	0 VA			1	20 A	Space	50	
51	FCU		20 A	1		417 VA	0 VA		1	20 A	Space	52	
53	FCU		20 A	1			417 VA	0 VA	1	20 A	Space	54	
55	FCU		20 A	1	417 VA	0 VA			1	20 A	Space	56	
57	FCU		20 A	1		278 VA	0 VA		1	20 A	Space	58	
59	FCU		20 A	1			306 VA	0 VA	1	20 A	Space	60	
61	Space		--	--	0 VA	0 VA			1	20 A	Space	62	
63	Space		--	--		0 VA	0 VA		1	20 A	Space	64	
65	Space		--	--			0 VA	0 VA	1	20 A	Space	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 WATT-THRU METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 SHALL HAVE ADJUSTABLE INSTANTANEOUS TRIP.													

Branch Panel: C3L2													
Location: ELEC C311					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 C318 NOTE 5	3#10	20 A	1	900 VA	900 VA			1	20 A	Receptacle C304 NOTE 5	2	
3	Receptacle C318 NOTE 5	3#10	20 A	1		900 VA	900 VA		1	20 A	Receptacle C304 NOTE 5	4	
5	Receptacle C318 NOTE 5	3#10	20 A	1			1500	1500	1	20 A	Receptacle C304 NOTE 5	6	
7	Receptacle C318 NOTE 5	3#10	20 A	1	900 VA	900 VA			1	20 A	Receptacle C302 NOTE 5	8	
9	Receptacle C318 NOTE 5	3#10	20 A	1		900 VA	900 VA		1	20 A	Receptacle C302 NOTE 5	10	
11	Receptacle C316 NOTE 5	3#10	20 A	1			1500	1500	1	20 A	Receptacle C302 NOTE 5	12	
13	Receptacle C314 NOTE 5	3#12	20 A	1	900 VA	540 VA			1	20 A	Receptacle C300a NOTE 5	14	
15	Receptacle C314 NOTE 5	3#12	20 A	1		900 VA	720 VA		1	20 A	Receptacle C300a NOTE 5	16	
17	Receptacle C314 NOTE 5	3#12	20 A	1			1500	720 VA	1	20 A	Receptacle C300 NOTE 5	18	
19	Receptacle C312 NOTE 5	3#12	20 A	1	900 VA	360 VA			1	20 A	Receptacle C311	20	
21	Receptacle C312 NOTE 5	3#12	20 A	1		900 VA	360 VA		1	20 A	Receptacle C307	22	
23	Receptacle C312 NOTE 5	3#12	20 A	1			1500	360 VA	1	20 A	Receptacle C307	24	
25	Receptacle C310 NOTE 5	3#12	20 A	1	900 VA	360 VA			1	20 A	Receptacle C307	26	
27	Receptacle C310 NOTE 5	3#12	20 A	1		900 VA	360 VA		1	20 A	Receptacle C307	28	
29	Receptacle C310 NOTE 5	3#12	20 A	1			1500	360 VA	1	20 A	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.: 122 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: 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	--	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			--	--	Spare	28	
29	Spare		20 A	1			0 VA 0 VA		--	--	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		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													
HVAC					3697 VA	80.00%	2958 VA	Panel Totals					
Lighting					7680 VA	85.00%	6528 VA	Total Conn. Load: 123986 VA					
Motor					480 VA	80.00%	384 VA	Total Est. Demand: 65875 VA					
Other					0 VA	0.00%	0 VA	Total Conn. L: 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 WATT/THRU METER FOR PANEL SECTION 2. INSTALL "CT" ON CONDUCTORS FEEDING SECTION 2.													
6. BREAKERS #1 AND #7 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 5	14	
15	Receptacle C414 NOTE 5	3#12	20 A	1		900 VA	720 VA		1	20 A	3#12 Receptacle C400a NOTE 5	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.: 122 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: 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 C526, 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		--	--		Spare	28
29	Spare		20 A	1			0 VA	0 VA	--	--		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	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			
HVAC					80.00%					3069 VA			
Lighting					85.00%					6772 VA			
Motor					80.00%					384 VA			
Other					0.00%					0 VA			
Power					100.00%					58184 VA			
Receptacle					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) 42 CIRCUIT PANELBOARDS. SECTION ONE TO HAVE FEED-THRU LUGS.													
4. PANEL SHALL HAVE DOOR-IN-DOOR COVER.													
5. PROVIDE WATT/HOUR 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: 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 C518 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	14
15	Receptacle C514 NOTE 5	3#12	20 A	1		900 VA	720 VA		1	20 A	3#12	Receptacle C500a NOTE 16	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	13196 VA	17480 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) 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.													

Panel	SP11.1	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	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#12 20 1 C C 1 20 (3#4 1200 3 RECEPTS-SPIRIT PARK**	6
7	RECEPTS-SPIRIT PARK**	3	1200	(3#12 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#4 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	22
23	RECEPTS-SPIRIT PARK**	3	1200	(3#4 20 1 C C 1 20	24
25	SPARE			20 1 A A 1 20	26
27	SPARE			20 1 B B 1 20	28
29	SPARE			20 1 C C 1 20	30
31	SPARE			20 1 A A 1 20	32
33	SPARE			20 1 B B 1 20	34
35	SPARE			20 1 C C 1 20	36
37	SPACE			1 A A 1	38
39	SPACE			1 B B 1	40
41	SPACE			1 C C 1	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. 50A 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	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			161705	8 SEE NOTE 3 4
5				161705	8
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			99766	10
11				99766	12
13	PANEL CP3H1	7	127368	SEE RISER 600 3 A A 3 300 SEE RISER 40178 7 PANEL CP3H2	14
15				127368	16
17				127368	18
19	TRANSFORMER TSP	7	9600	SEE RISER 70 3 A A 3 125 SEE RISER 1200 7 UPS-D (CP1L2)	20
21	SERVES SPILL	7	8400		22
23				8400	24
25	GENERATOR BKR (G2G)			2500 3 A A 3 225	26
27					28
29					30
31	SPARE			225 3 A A 3 225	32
33					34
35					36
37	SPACE			3 A A 3	38
39					40
41					42
Phase A 701565 VA Phase B 698902 VA Phase C 696906 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 60K AIC MINIMUM. 3. PROVIDE 700V/3P CIRCUIT BREAKER FOR BASE BID UNIT. 4. PROVIDE AS 700V/3P SPARE BREAKER IF ALTERNATE #2 NOT TAKEN. 5. NOT USED.					

Panel	MYDP1	OC Type	CIRCUIT BREAKER	Voltage L-L	12470
Device	MAIN BREAKER (820UH)	Enclosure	NEMA 3R	Voltage L-N	7200
Mounting	FREE STANDING	Comments	CENTRAL PLANT	Amperage	1200
Ckt No.	Description	Type	Load	Remarks	Ckt No.
1	TRANSFORMER TA	7		SEE RISER 100 3 A A 3 100 SEE RISER	2
3	SERVES BUILDING 'W'	7			4
5					6
7	TRANSFORMER TC	7		SEE RISER 60 3 A A 3 150 SEE RISER	8
9	SERVES BUILDING 'C'	7			10
11					12
13	SPACE			100 3 A A 3 100	14
15					16
17					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	PK11.1	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	Ckt No.
1	RECEPTS-PK001	3	400	(3#12 20 1 A A 1 20 (3#12 20 1 B B 1 20 (3#12 20 1 C C 1 20 (3#12 20 1 A A 1 20 (3#12 20 1 B B 1 20 (3#12 20 1 C C 1 20	2
3	RECEPTS-PK001	3	400	(3#12 20 1 B B 1 20 (3#12 20 1 C C 1 20 (3#12 20 1 A A 1 20 (3#12 20 1 B B 1 20 (3#12 20 1 C C 1 20	4
5	RECEPTS-PK001	3	400	(3#12 20 1 C C 1 20	6
7	RECEPTS-PK001	3	600	(3#12 20 1 A A 1 20	8
9	RECEPTS-EXTERIOR	3	400	(3#12 20 1 B B 1 20	10
11	SPARE			20 1 C C 1 20	12
13	SPARE			20 1 A A 1 20	14
15	SPARE			20 1 B B 1 20	16
17	SPARE			20 1 C C 1 20	18
19	SPARE			20 1 A A 1 20	20
21	SPARE			20 1 B B 1 20	22
23	SPARE			20 1 C C 1 20	24
25	SPACE			1 A A 1	26
27	SPACE			1 B B 1	28
29	SPACE			1 C C 1	30
Phase A 1070 VA Phase B 2950 VA Phase C 1850 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. PANEL SHALL BE BRACED FOR 14K AIC MIN. 3. PANEL EQUIPPED WITH DOOR-IN-DOOR ENCLOSURE. 4. FEED FROM PANEL C112 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	Ckt No.
1	COOLING TOWER #1 (GT-1)	9	11085	3#4.1#10G 60 3 A A 1 3 80 3#4.1#10G 11085 9	2
3	SEE NOTE #5			11085	9 SEE NOTE #5 4
5				11085	6
7	BASIN HEATERS (CT#1)	9	11085	3#8.1#10G 60 3 A A 3 50 3#8.1#10G 11085 5	8
9	SEE NOTE #6			11085	10
11				11085	12
13	CHP-1	9	5820	3#8.1#10G 40 3 A A 3 40 3#8.1#10G 5820 9	14
15	SEE NOTE #7			5820	16
17				5820	18
19	OWP-1	10	18013	3#2.1#6G 100 3 A A 3 100 3#2.1#6G 18013 9	20
21	SEE NOTE #8			18013	22
23				18013	24
25	CHS-1	9	14411	3#3.1#6G 90 3 A A 3 20* 3#12.1#12G 3048 9	26
27				3048	28
29				3048	30
31	CHS-2	9	14411	3#3.1#6G 90 3 A A 3 20* 3#12.1#12G 3048 9	32
33				3048	34
35				3048	36
37	SPACE			3 A A 3	38
39					40
41					42
Phase A 126924 VA Phase B 126924 VA Phase C 126924 VA 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 70V/3P CIRCUIT BREAKER. 6. FOR BASE BID - PROVIDE 50V/3P CIRCUIT BREAKER. 7. FOR BASE BID - PROVIDE 25V/3P CIRCUIT BREAKER. 8. FOR BASE BID - PROVIDE 90V/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	Ckt No.
43	EF-1CP	1	9	444 3#12.1#12G 15 3 A A 1 1 3	44
45				444	46
47				444	48
49	SPACE			3 A A 3	50
51					52
53					54
55	SPACE			3 A A 3	56
57					58
59					60
61	SPACE			3 A A 3	62
63					64
65					66
67	SPACE			3 A A 3	68
69					70
71					72
73	SPACE			3 A A 3	74
75					76
77					78
79	SPACE			3 A A 3	80
81					82
83					84
Phase A 444 VA Phase B 444 VA Phase C 444 VA Total kVA= 1.6 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	80
Mounting	GENERATOR	Comments	GENERATOR LOAD CENTER	Amperage	80
Ckt No.	Description	Type	Load	Remarks	Ckt No.
1	GEN. JACKET HEATER	4	1000	(3#12 20 1 A A 1 20	2
3	GEN. STRIP HEATER	4	1000	(3#12 20 1 B B 1 20	4
5	GENERATOR LIGHTS	2	600	(3#12 20 1 C C 1 20 (3#12 400 3 GENERATOR RECEPTAGLES	6
7	SPARE			20 1 A A 1 20	8
9	SPARE			20 1 B B 1 20	10
11	SPARE			20 1 C C 1 20	12
13	SPARE			20 1 A A 1 20	14
15	SPARE			20 1 B B 1 20	16
17	SPARE			20 1 C C 1 20	18
19	SPARE			20 1 A A 1 20	20
21	SPARE			20 1 B B 1 20	22
23	SPARE			20 1 C C 1 20	24
25	SPACE			1 A A 1	26
27	SPACE			1 B B 1	28
29	SPACE			1 C C 1	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	Ckt No.
1	HTS-1	10	11085	3#4.1#6G 80 3 A A 3 25 3#10.1#10G 3880 9	2
3				11085	4
5				11085	6
7	PUMP #1 (P-1)	9	832	3#12.1#12G 15 3 A A 3 15 3#12.1#12G 832 9	8
9				832	10
11				832	12
13	PUMP #3 (P-3)	9	832	3#12.1#12G 15 3 A A 3 15 3#12.1#12G 832 9	14
15				832	16
17				832	18
19	SPACE			15 3 A A 3 15	20
21					22
23					24
25	SPACE			60 3 A A 3 40 3#8.1#10G 5820 9	26
27					28
29					30
31	SPACE			60 3 A A 1 20 (3#12 1200 2	32
33					34
35					36
37	SPACE			100 3 A A 1 15 2#12.1#12G 333 5	38
39					40
41					42
Phase A 25646 VA Phase B 27983 VA Phase C 25373 VA 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.					

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 CP1H1	7	14532	SEE RISER	125	3	A	A	3					SPACE	44
45		7	11752			-	B	B							46
47		7	11648			-	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 NOTES:															
Phase B 11752 VA 1. 400A MLO POWER PANEL.															
Phase C 11696 VA 2. PANEL SHALL BE BRACED FOR 20K AIC MIN.															
Panel View 37.9 Demand MVA 3. TWO SECTION PANEL - SECTION 2 OF 2															
Total Amps 45.6 Demand Amps 36.5 4. NOT USED.															
5. NOT USED.															

- 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 USER. 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 USER. 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 ARE TO BE HI-POT TESTED PER THE SPECIFICATIONS. ALL NEW ELBOW TERMINATIONS INSTALLED, SHALL ALSO BE HI-POT TESTED PER THE SPECIFICATIONS.
- G. ALL ELECTRICAL UTILITIES 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.



ELECTRICAL PRIMARY & SECONDARY SERVICE ENTRANCE CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED ON THE PLANS. ALL BENDS SHALL BE LONG RADII, MINIMUM RADIUS SHALL BE 10 TIMES THE CONDUIT SIZE. CONDUIT SHALL BE GALVANIZED RIB STEEL CONDUIT FOR RISERS ABOVE EXISTING/FINISHED GRADE. CONDUITS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

GROUNDING MARKER TAPS BELOW FINISHED GRADE. CONDUITS SHALL BE A MINIMUM OF 36" BELOW FINISHED GRADE.

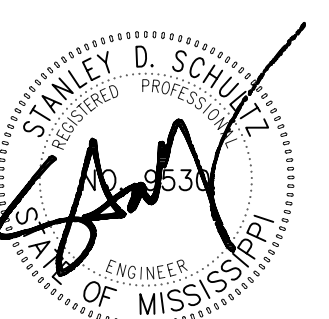
BACKFILL ABOVE THE DUCTBANK TO BE COMPACTED IN 6" LAYERS. MOUND BACKFILL ON TOP OF THE DUCTBANK TO BE 18" ABOVE FINISHED GRADE.

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 ENCASUREMENT REQUIREMENTS FOR DUCT BANKS SHOWN ON DRAWINGS TO BE CONCRETE ENCASED.

1. LOCATE NEW CONDUIT HANDHOLE, 24" x 36" x 36" DEEP, QUATIZE NO. PG243693A36 WITH ANSI TIER 15 COVER PG2436HG00 OR EQUAL AS REQUIRED, TO INTERCEPT EXISTING WEDS AND CONDUCTORS FOR 5KV CIRCUIT NO. 7. SPLICE EXISTING PRIMARY CABLES IN PULLBOX AND LOCATE NEW HAND HOLE 48" O.D., 15KV CABLES IN 4" CONDUIT TO EXISTING VFI SPACING 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 FULFILL INTERRUPTER UNIT. SIZE PAD PER MANUFACTURER'S RECOMMENDATION (MINIMUM 8' x 8').



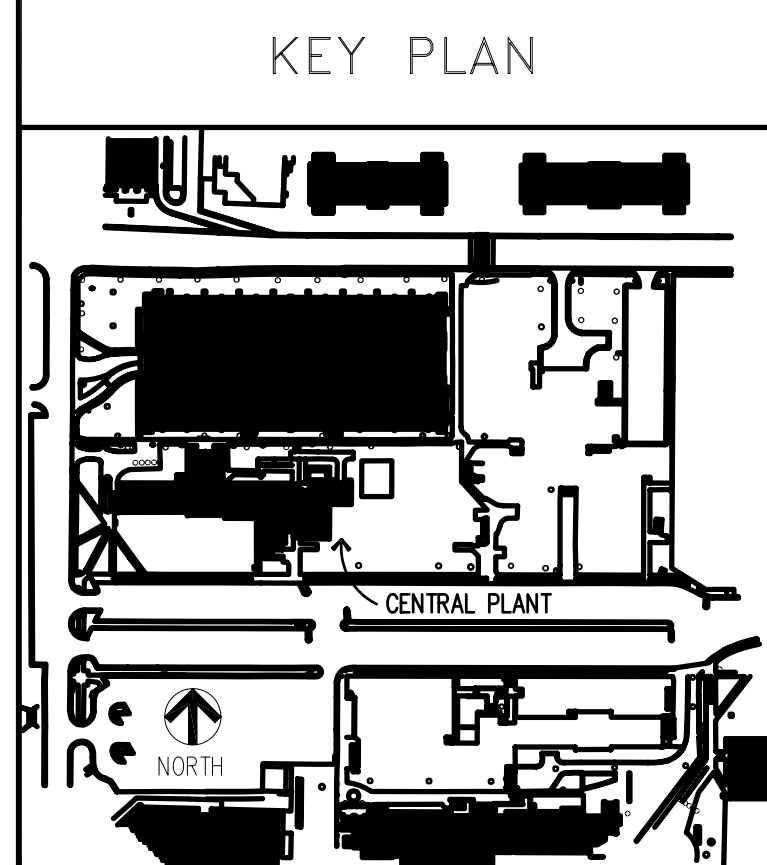
HATTIESBURG, MISSISSIPPI

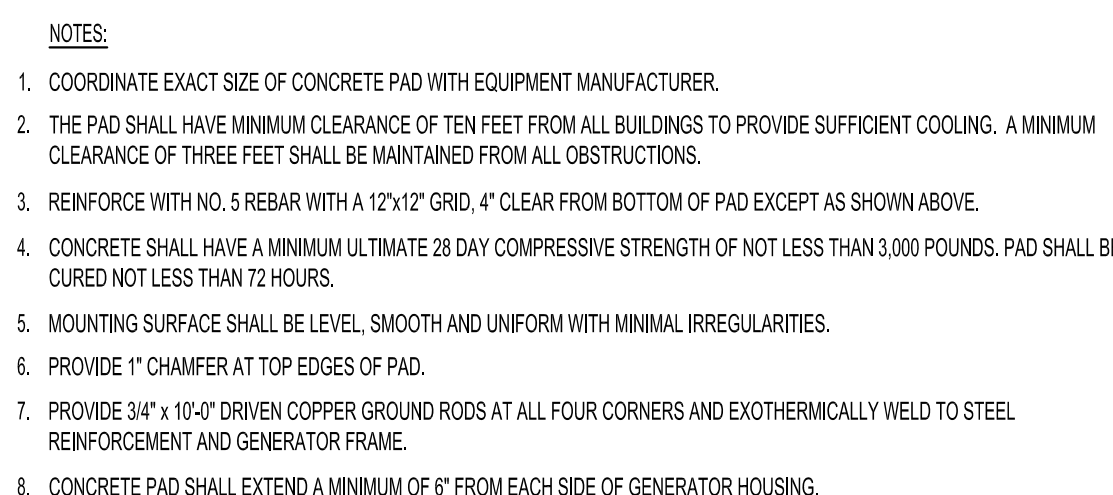
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2012020
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CHECKED BY:
S.D.S.
DATE ISSUED:
04 MAR 2013

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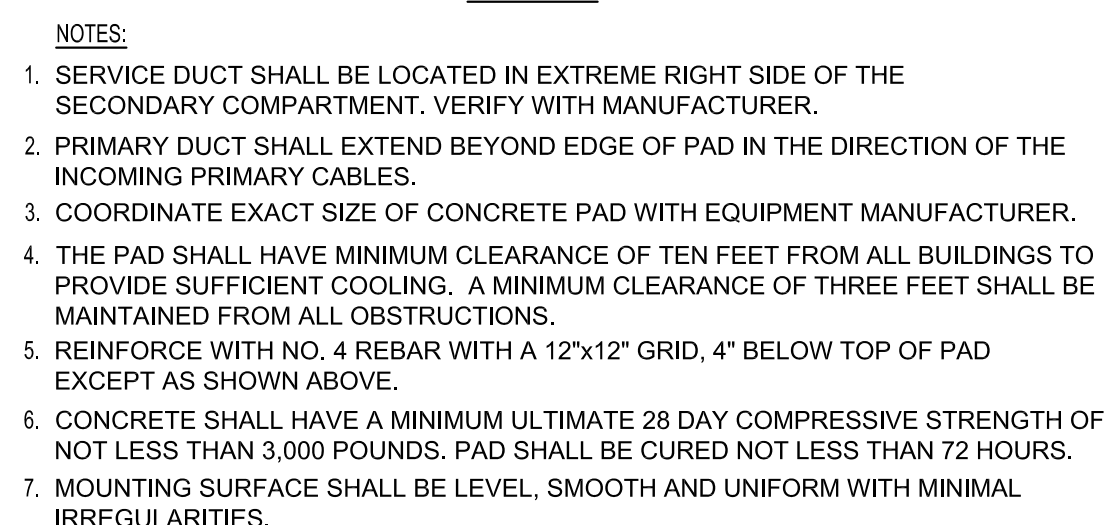
ES101

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



TRANSFORMER PAD DETAIL

	NOT USED
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THE MCCARTY COMPANY
DESIGN GROUP, P.A.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020

DRAWN BY:
● JDG

CHECKED BY:
● JDL

DATE ISSUED:
● 04 MAR 2013

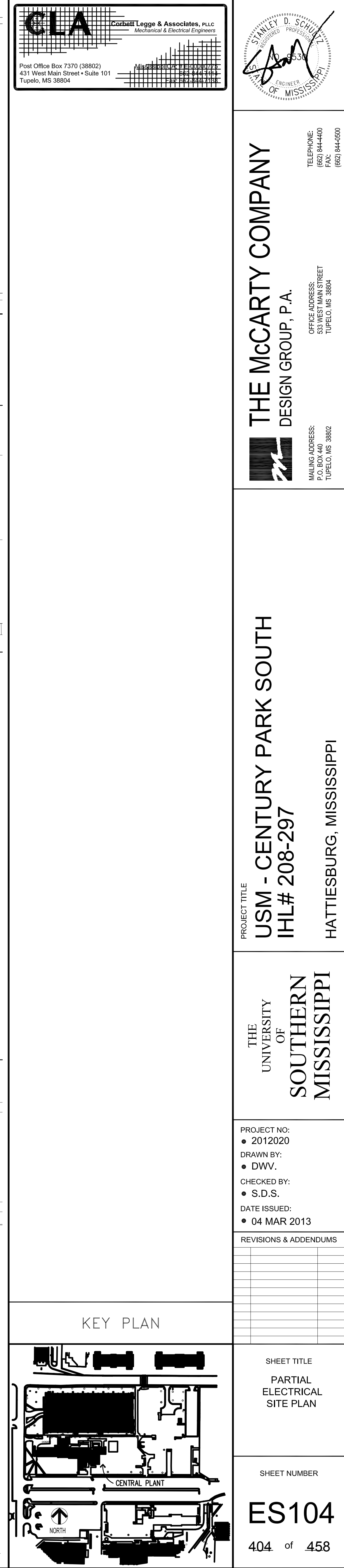
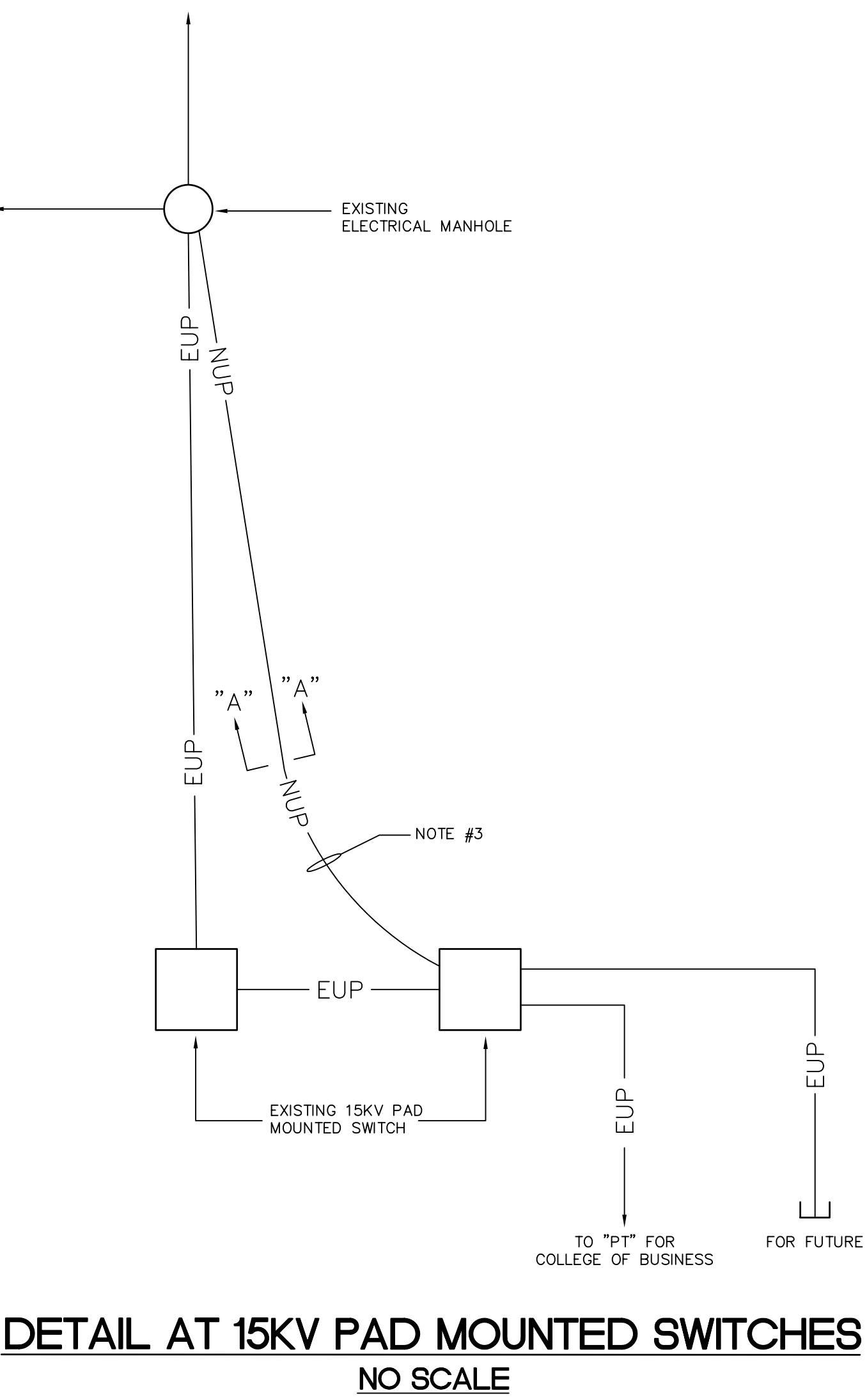
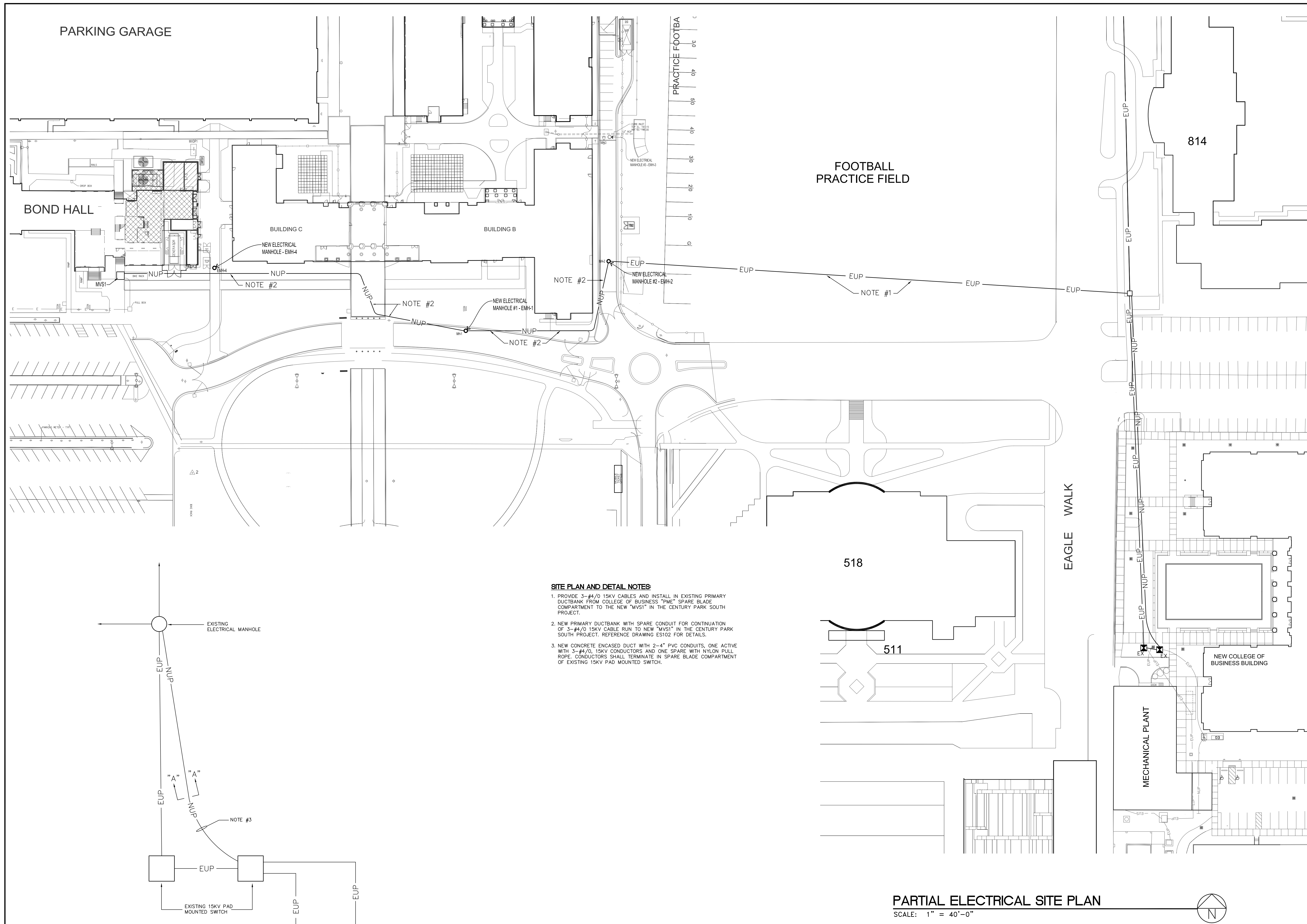
REVISIONS & ADDENDUM

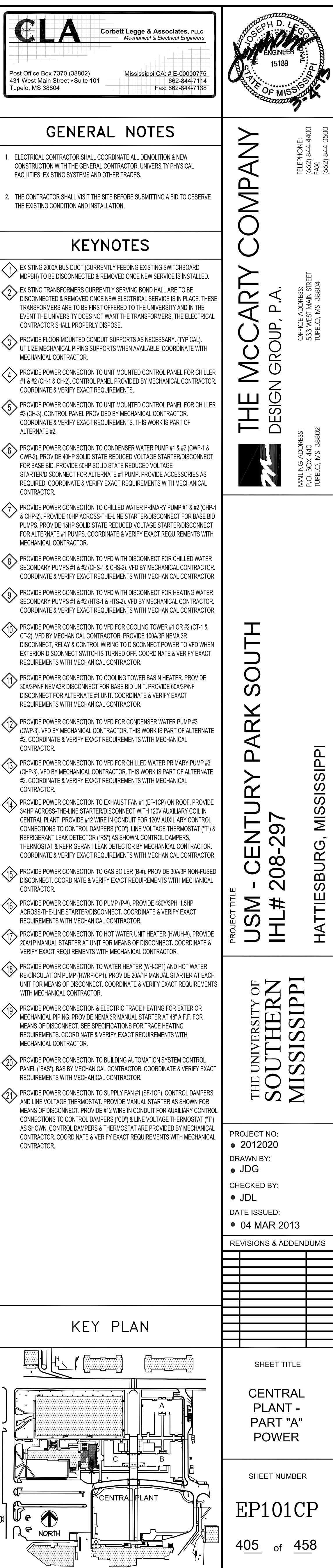
SHEET TITLE
ELECTRICAL
DETAILS

SHEET NUMBER

ES102

402 of 458

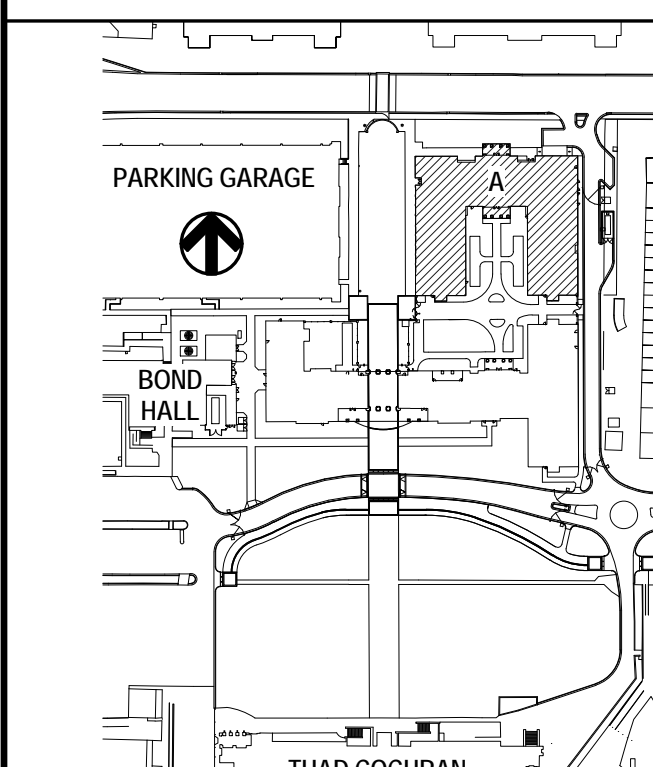






- | | |
|----|--|
| 1 | PROVIDE 120V 1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION. |
| 2 | PROVIDE 208V-1P-50A RECEPTACLE FOR RANGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION. |
| 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-30A 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 MILLWORK AND EQUIPMENT INFORMATION. SEE FCU TERMINAL UNIT DATA 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 ACCESSIBLE DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED ACCESSORIES AND ACCESSORIES. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING AT EACH DOOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION. |
| 13 | POWER CONNECTION FOR STACKED DRYER. VERIFY LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH DRYER. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR. PANEL TO BE FURNISHED BY CONTROL'S CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL 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 CONNECTION TO EQUIPMENT AS REQUIRED. |
| 16 | POWER CONNECTION FOR ELECTRIC DRAINING FAN (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 TO CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VFD 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 DATA SHEET E004. |
| 19 | POWER FOR EXHAUST FAN (EF). PROVIDE DEFINITE PURPOSE CONTRACTOR WITH 24V COIL AND CONNECT TO FACTORY WIRING DISCONNECT. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH FAN. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. |
| 20 | POWER CONNECTION FOR BOILER. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE CEILING AT EACH 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 ABOVE CEILING AT EACH PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION. |
| 22 | POWER CONNECTION FOR WATER HEATER. PROVIDE 208V-3P-30A NON-FUSE 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 "TRT" FOR X-RAY EQUIPMENT. PROVIDE WIRING BEYOND THIS POINT IN ACCORDANCE WITH MID-SOUTH MEDICAL IMAGING DRAWINGS. FURNISH AND INSTALL WIRING, JUNCTION BOX, FITTINGS, FLOOR, PROVIDE WIRING BINS, 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 3/20/23 FOR ALL WORK TO BE PROVIDED BY ELECTRICAL CONTRACTOR. |
| 25 | EMERGENCY STOP BUTTON FOR X-RAY EQUIPMENT. PROVIDE POWER (A15-67) TO SHUNT TRIP MAIN BREAKERS IN PANEL "TRT". COORDINATE EXACT LOCATION WITH MID-SOUTH MEDICAL IMAGING. PROVIDE WIRING BEYOND THIS POINT IN ACCORDANCE WITH MID-SOUTH MEDICAL IMAGING DRAWINGS. REFER TO MID-SOUTH MEDICAL IMAGING DRAWINGS DATED 3/20/23 FOR ALL WORK TO BE PROVIDED BY ELECTRICAL CONTRACTOR. |
| 26 | POWER FOR FIRE ALARM CONTROL. |
| 27 | DRYER CONTROL PANEL BY CONTROL'S CONTRACTOR. PROVIDE ELECTRICAL CONTRACTOR TO PROVIDE 120V 1P CIRCUIT AS INDICATED WITH SINGLE POLE SWITCH DISCONNECT. SEE KEYNOTE H. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH EQUIPMENT INFORMATION. |

KEY PLAN



Plot Date: BID DOCUMENTS - 04 MAR 2013



THE MCCARTY COMPANY
DESIGN GROUP, P.A.

DESIGN ARCHITECT
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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 2

REVISIONS & ADDENDUMS

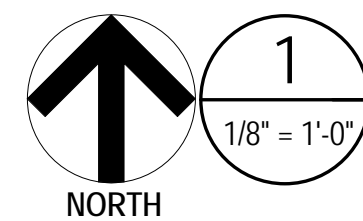
SHEET TITLE

BUILDING A
FIRST FLOOR
POWER PLAN

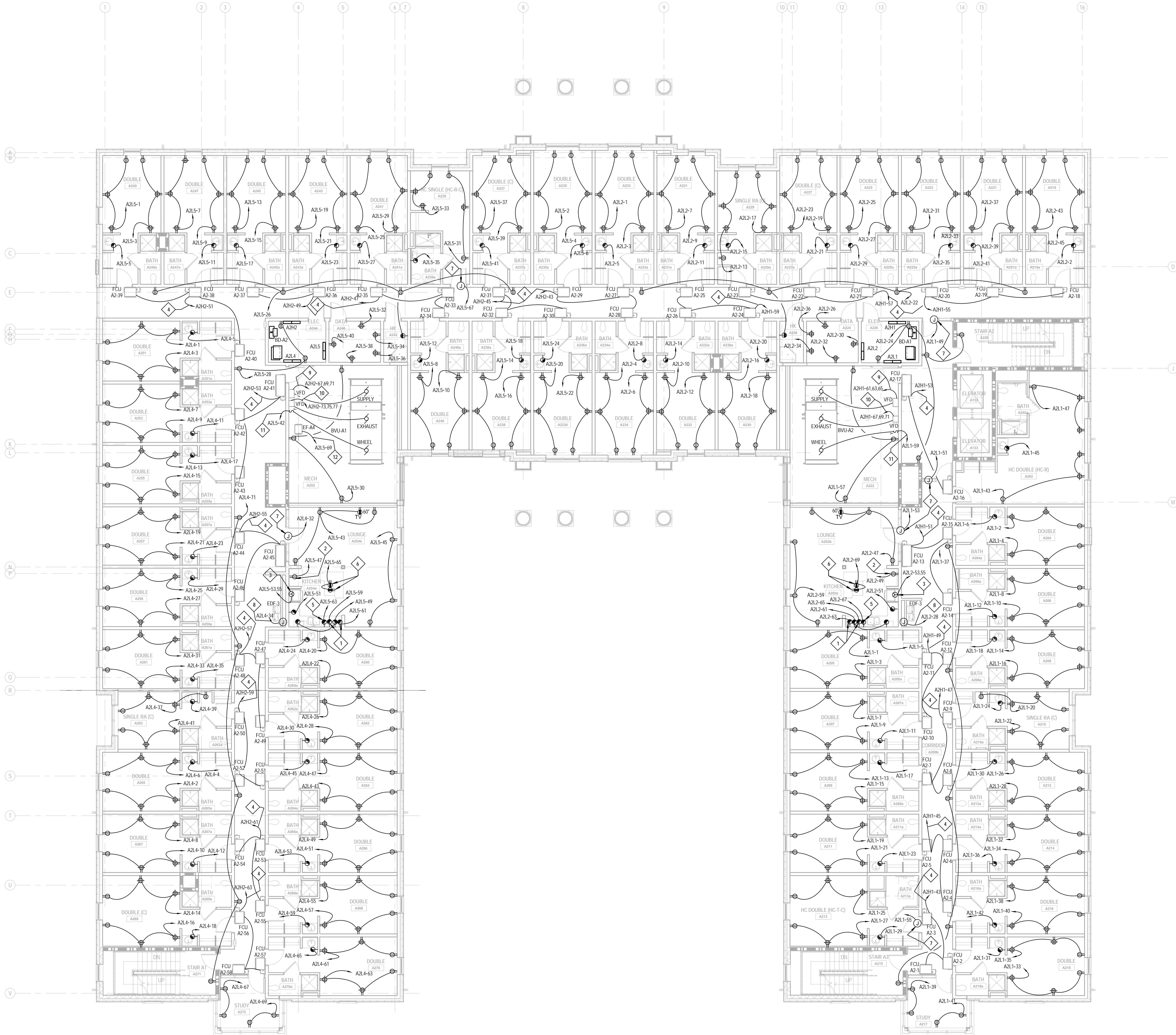
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EP 101A

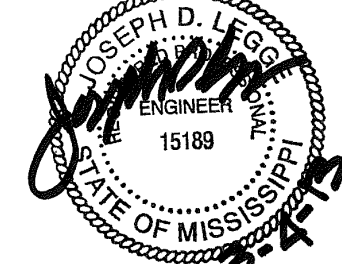
411 of 458



BUILDING A - SECOND FLOOR POWER PLAN



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Tupelo, MS 38804 Fax: 662-844-7128



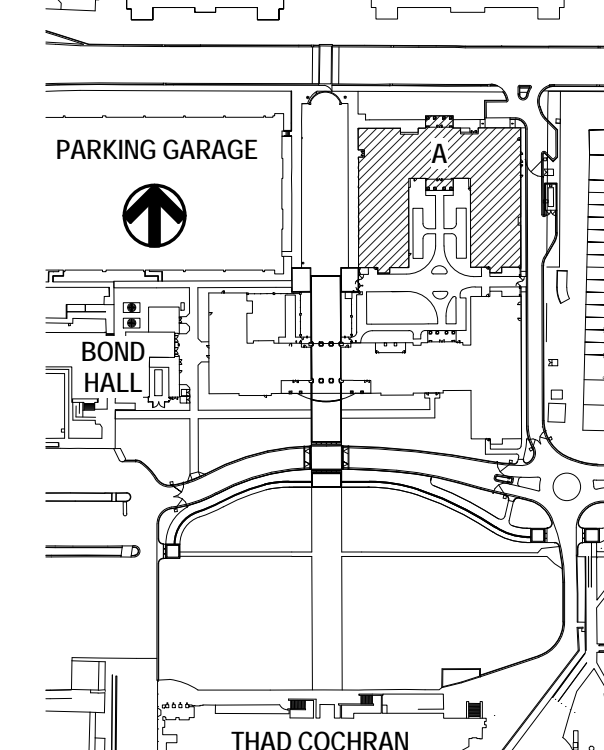
THE MCCARTY COMPANY
DESIGN GROUP, P.A.
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FAX:
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DESIGN ARCHITECT
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www.heww.com

KEYNOTES

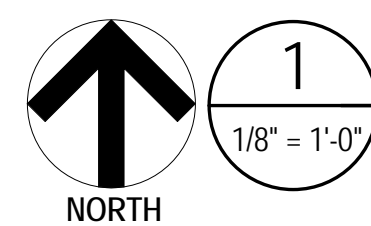
- 1 PROVIDE 120V-1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
- 2 PROVIDE 120V-1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
- 3 PROVIDE 288V-1P-20A 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 ACCESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
- 8 POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
- 9 POWER CONNECTION FOR BUILDING VENTILATION UNIT (SUPPLY FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VFD TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
- 10 POWER CONNECTION FOR BUILDING VENTILATION UNIT (EXHAUST FAN). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VFD TO BE FURNISHED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
- 11 POWER CONNECTION FOR BUILDING VENTILATION UNIT (ENERGY WHEEL). PROVIDE MOTOR RATED SWITCH DISCONNECT AND DEFINITE PURPOSE CONTRACTOR FOR INTERFACED WITH MECHANICAL CONTROLS. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.
- 12 POWER FOR EXHAUST FAN (E). PROVIDE DEFINITE PURPOSE CONTRACTOR WITH FAN COIL AND CONNECT TO FACTORY MOUNTED DISCONNECT SWITCH ON FAN. TYP. FOR EACH FAN. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.

KEY PLAN

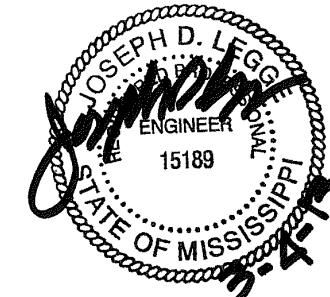
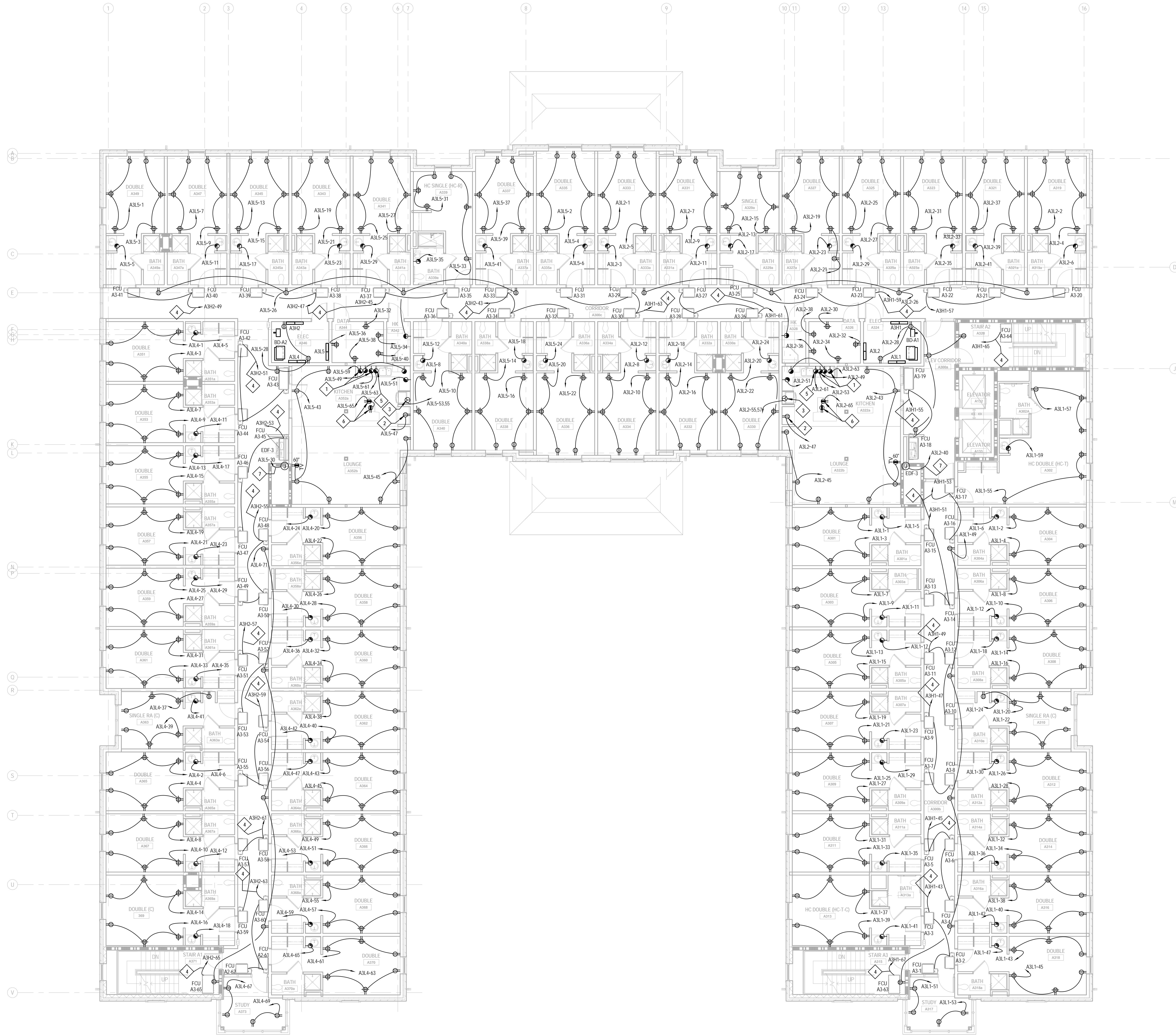


SHEET TITLE
BUILDING A - SECOND FLOOR POWER PLAN

SHEET NUMBER
EP102A
412 of 458



BUILDING A - THIRD FLOOR POWER PLAN



THE MCCARTY COMPANY
DESIGN GROUP, P.A.



DESIGN ARCHITECT
Hanbury Evans Wright Vlatas • Company
120 Kessler Street
Norfolk, VA 23510
757-221-5600
www.hewv.com

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297

HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

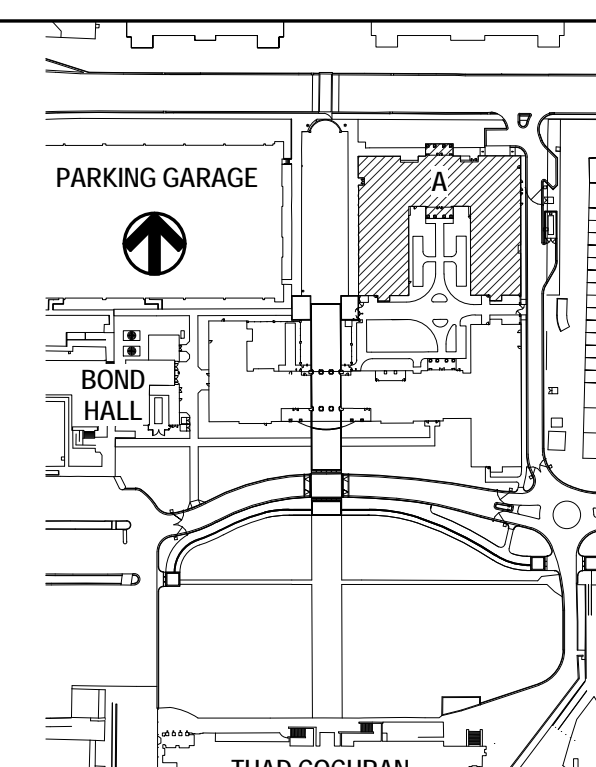
PROJECT NO:
• 2012020
DRAWN BY:
• DKH
CHECKED BY:
• JDJ
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

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 ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



SHEET TITLE
BUILDING A -
THIRD FLOOR
POWER PLAN

SHEET NUMBER

EP103A

413 of 458

DESIGN ARCHITECT
Hanbury Evans Wright Viattas + Company
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THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

REVISIONS & ADDENDUM

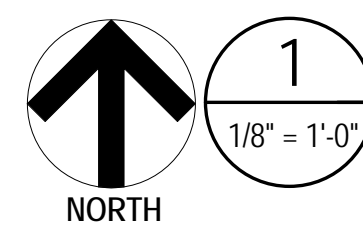
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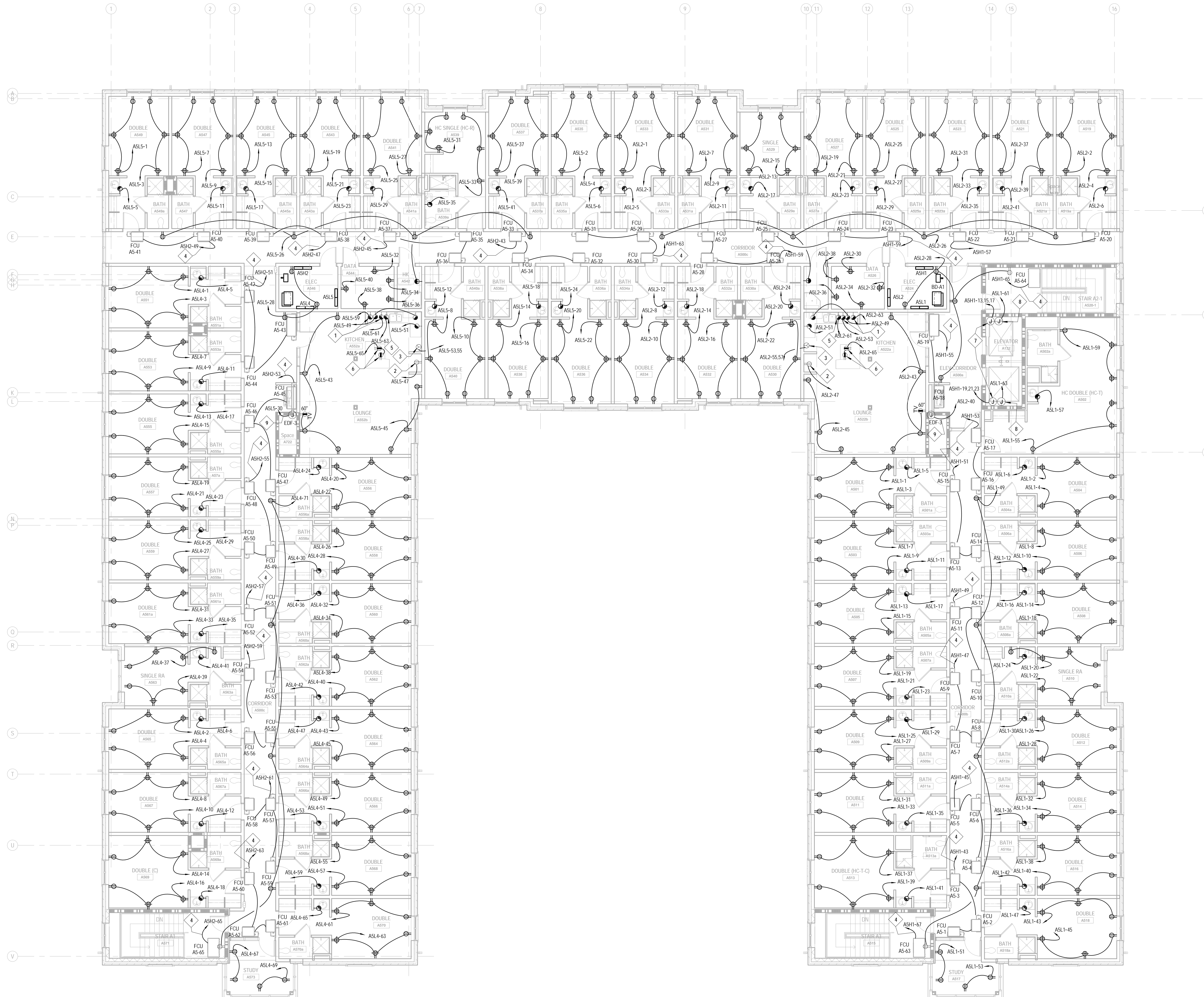
1	PROVIDE 120V/120-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIRE WITH MILLWORK AND EQUIPMENT INFORMATION.
2	PROVIDE 120V/120-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3	PROVIDE 208V/120-20A RECEPTACLE FOR OVEN. COORDINATE LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
4	POWER CONNECTION FOR FAN COILS (F.C.U.) PROVIDE WITH 20A SWITCH DISCONNECT ABOVE CEILING AT F.C.U. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK CONTRACTOR. SEE F.C.U./TERMINAL UNIT SHEET ON SHEET 040.
5	PROVIDE 120V/120-20A 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 ELECTRIC DRINKING FOUNTAIN PROVIDE MOTOR-DRAT SWITCH/DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING AND EQUIPMENT INFORMATION.

A detailed site plan of the Bond Hall parking garage. The plan shows the building's footprint, including the main hall and various service areas. A large parking area is located to the left of the building. The plan also shows the surrounding streets and the location of the building relative to the city center.

BUILDING A - FOURTH FLOOR POWER PLAN



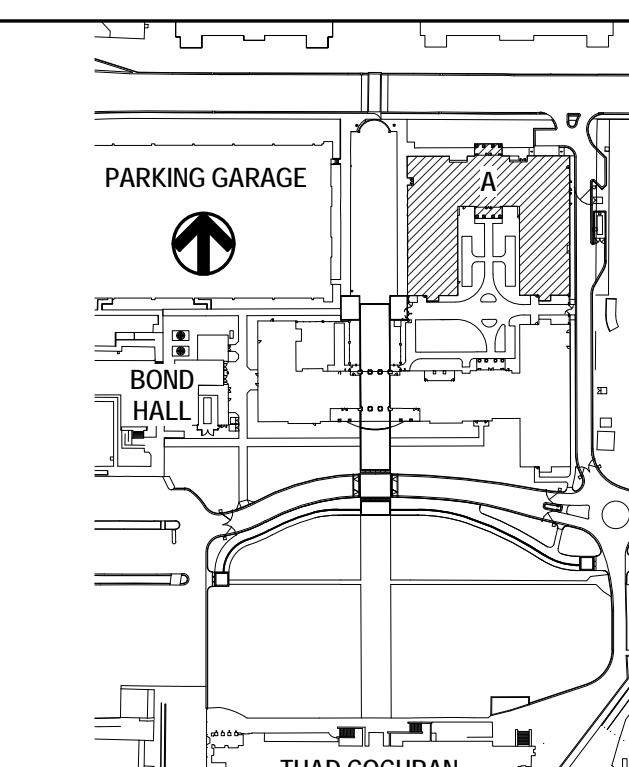
BUILDING A - FIFTH FLOOR POWER PLAN



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 1004.
- 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



(662) 844-4400
FAX:
(662) 844-0500

P.O. BOX 440
TUPELO, MS 38802

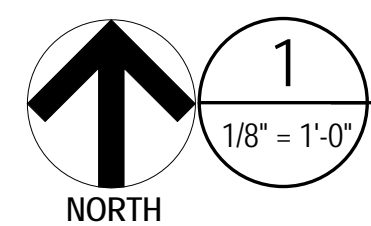
- 1 SINGLE POLE SWITCH FOR LIGHTING CONTROL. MOUNT ON STRUCTURE WITHIN REACH FROM TOP OF ACCESS LADDER.
- 2 120V-1P-20A RECEPTACLE. MOUNT ON STRUCTURE NEAR CATWALK.
- 3 MOUNT LIGHT FIXTURE FROM STRUCTURE AT 8'-0" ABOVE CATWALK.

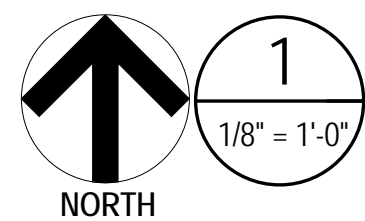
HATTIESBURG, MISSISSIPPI

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

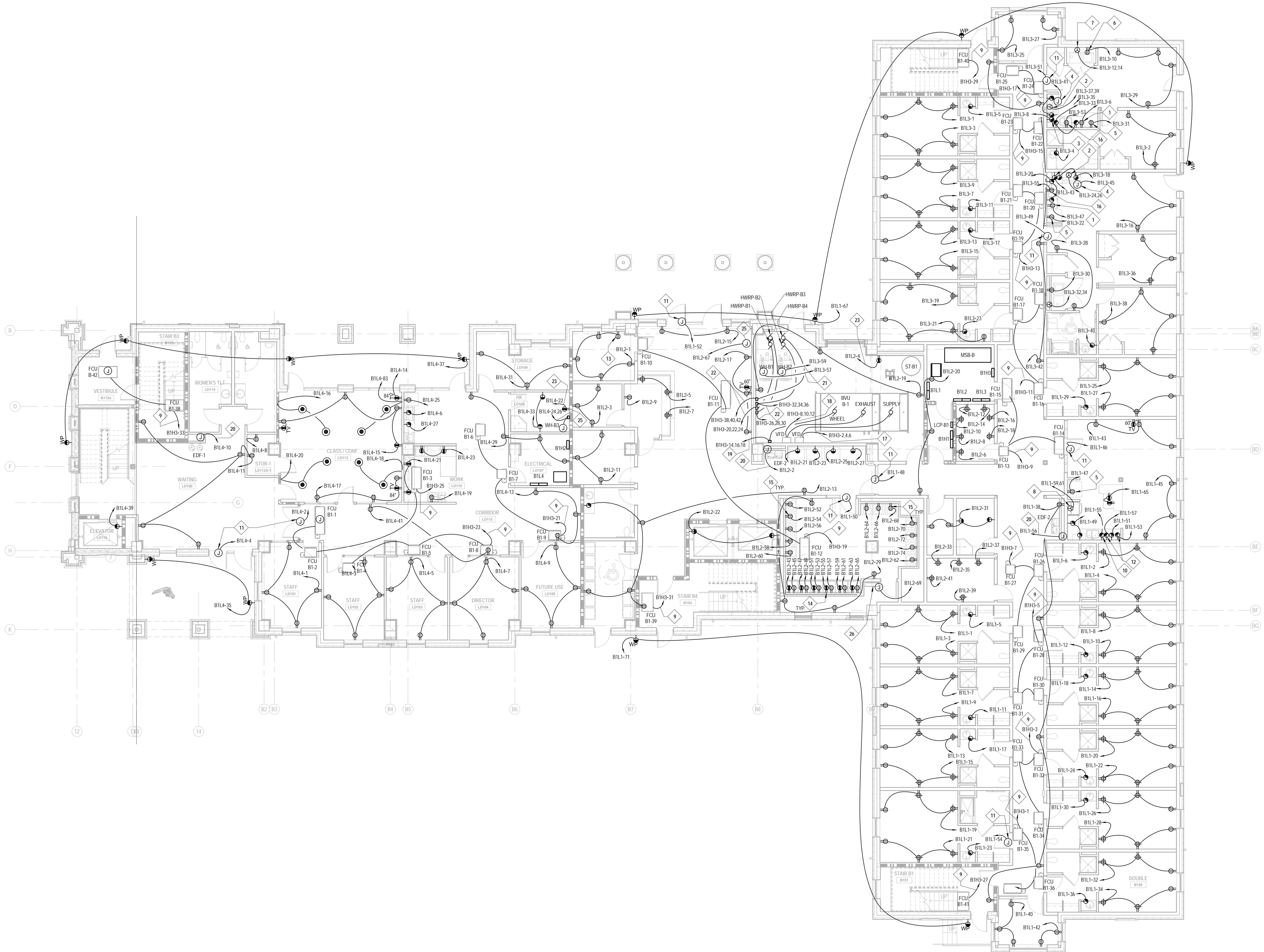
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BUILDING B - FIRST FLOOR POWER PLAN

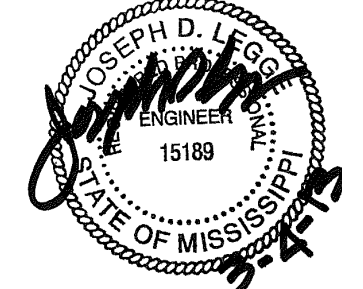


CLA

Corbett Legge & Associates, PLLC
Mechanical & Electrical Engineers

Post Office Box 7370 (08022)
431 West Main Street • Suite 101
Tupelo, MS 38804

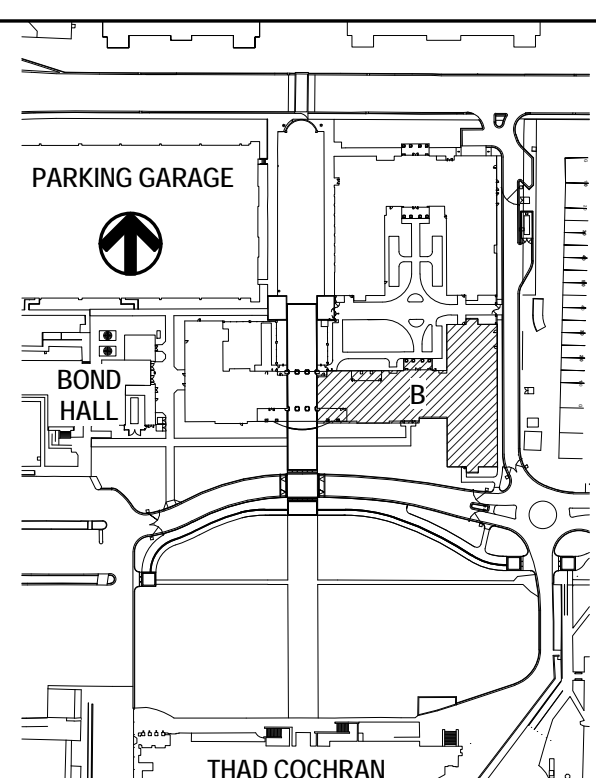
Mississippi CA: # E-00000775
662-844-7114
Fax: 662-844-7128



KEYNOTES

1. PROVIDE 120V-1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 208V-1P-30A 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 1004.
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. VFD 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. VFD 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-1P-30A NON-FUSED DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.
26. DRYER CONTROL PANEL BY CONTROLS CONTRACTOR. ELECTRICAL CONTRACTOR 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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USM - CENTURY PARK SOUTH
IHL # 208-297

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

PROJECT TITLE
HATTIESBURG, MISSISSIPPI

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

REVISIONS & ADDENDUMS

SHEET TITLE
BUILDING B - FIRST FLOOR POWER PLAN

SHEET NUMBER
EP101B
417 of 458



- 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 MILLWOK CONTRACTOR. SEE FCU TERMINAL UNIT DETAIL ON SHEET 04A.
- 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 SLAB AND 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 ACCESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
- 8 POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATION 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 FOUNTAIN CONTRACTOR.

PARKING GARAGE

BOND HALL

THIRD STREET

BOND STREET

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Lattas + Com

- 1 PROVIDE 120V 1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE EXACT LOCATION AND REQUIREMENT 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 0004.
- 5 POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR-RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU/TERMINAL UNIT DETAIL ON SHEET 0004.

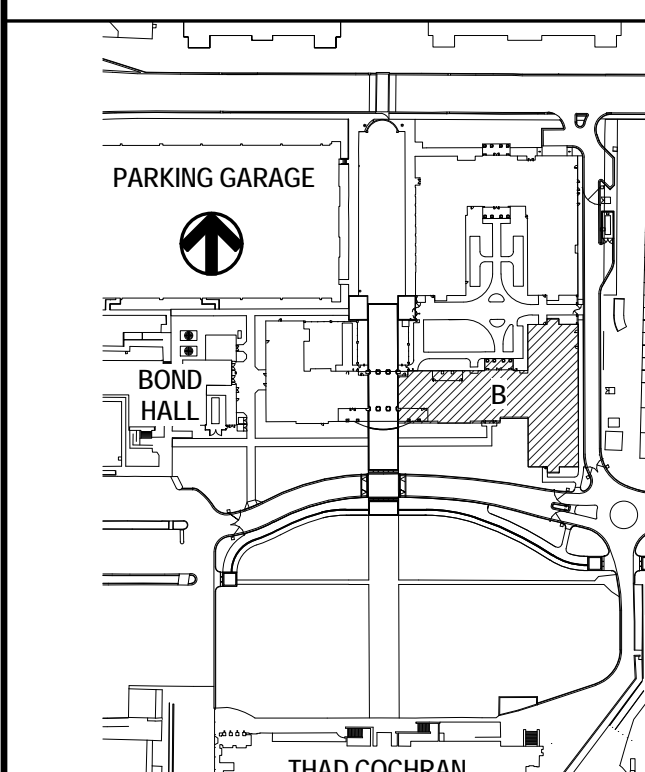
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PROJECT NO:
● 2012020
DRAWN BY:
● DKH
CHECKED BY:
● JDL
DATE ISSUED:
● 04 MAR 2013

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EP 103E

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1. PROVIDE 120V 1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE 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 TERMINAL LOCATION AND EQUIPMENT REQUIREMENTS WITH MECHANICAL CONTRACTOR. SEE FCU TERMINAL UNIT DATA ON SHEET E004.
5. POWER CONNECTION FOR ELECTRIC DRINKING FOUNTAIN (EDF). PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EQUIPMENT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUM

A detailed site plan of the new building at the University of Birmingham. The plan shows a large central building complex with various internal courtyards and courtyards. To the left of the main complex is a 'BOND HALL' and a 'PARKING GARAGE' with an upward-pointing arrow. To the right is a 'PARKING GARAGE' with a rightward-pointing arrow. The plan also shows a 'ROAD' at the bottom and a 'TRAD COURTYARD' at the bottom right. The building is surrounded by a 'ROAD' and a 'PARKING GARAGE'.

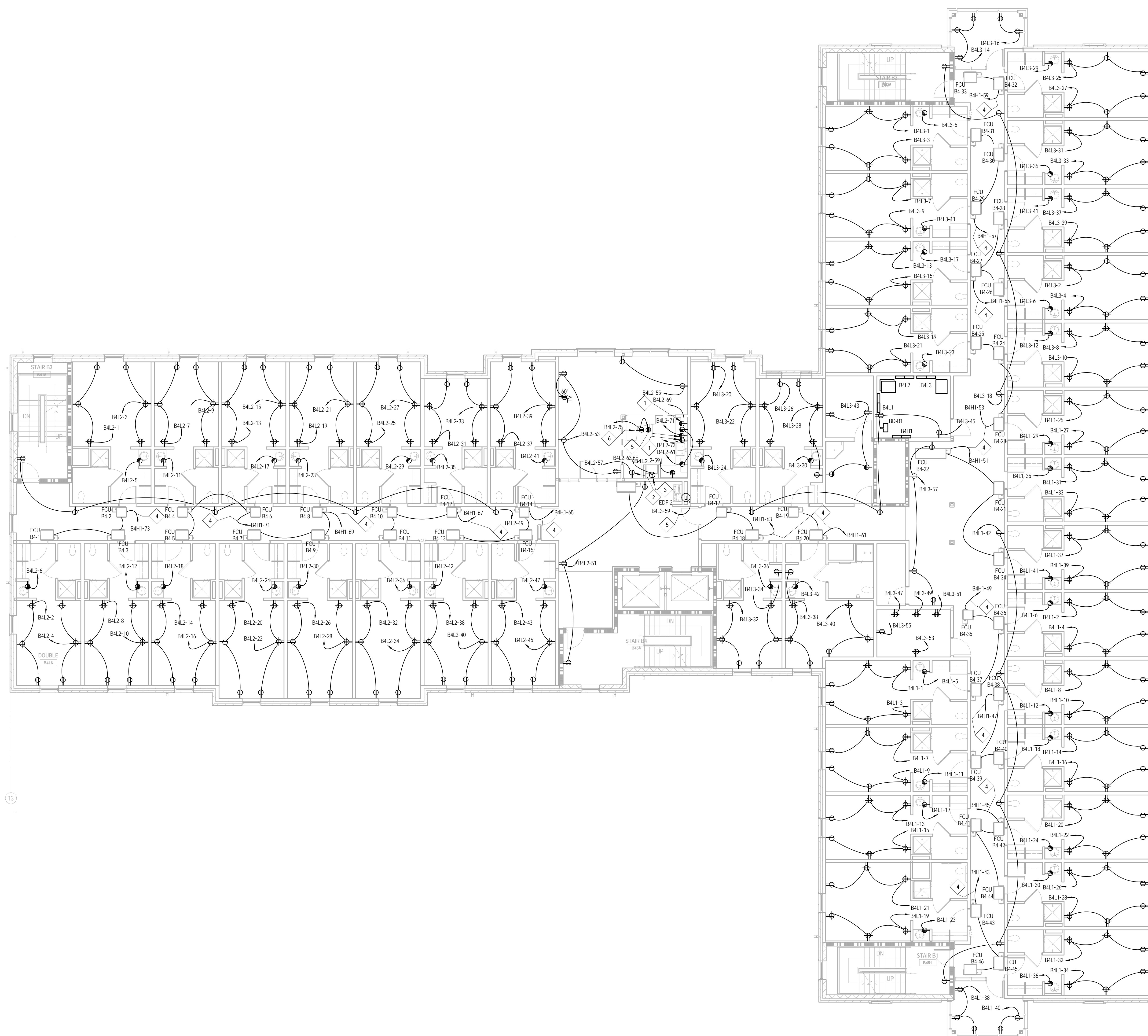
SHEET TITLE

BUILDING B -
FOURTH FLOOR
POWER PLAN

SHEET NUMBER

EP104E

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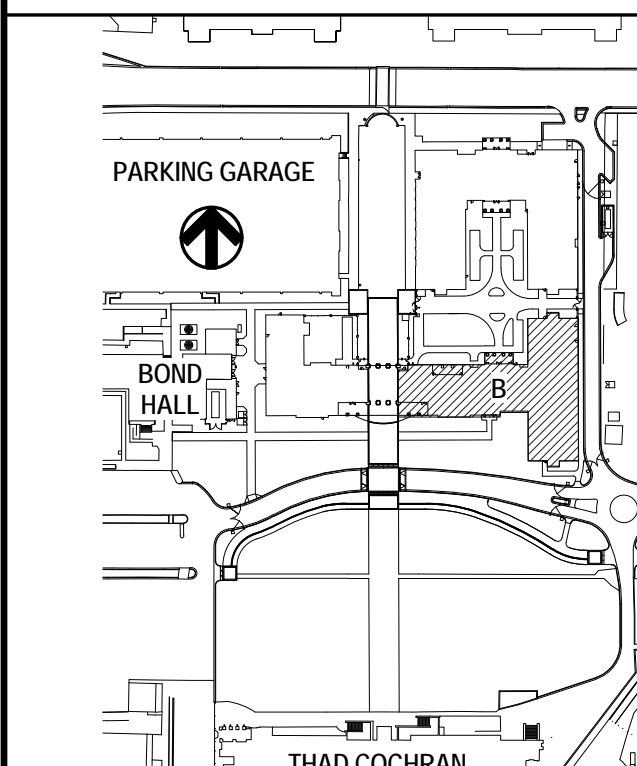
1. PROVIDE 120V 1P-20A GFCI RECEPTACLE ABOVE SHELF FOR MICROWAVE. COORDINATE LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2. PROVIDE 120V 1P-20A RECEPTACLE FOR REFRIGERATOR. COORDINATE 12A COLD LINE REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
3. PROVIDE 208V 1P-20A RECEPTACLE FOR OVEN. COORDINATE 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 SWITCH/TERMINAL UNIT SHEET ON SHEET E004.
5. POWER CONNECTION FOR ELEVATOR. CONNECT TO ELEVATOR CONTROL PANEL LOCATED IN ELEVATOR SHAFT. COORDINATE 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 FOUNTAIN VENDOR.

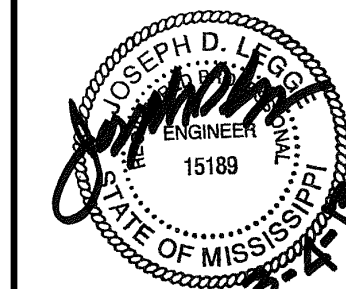
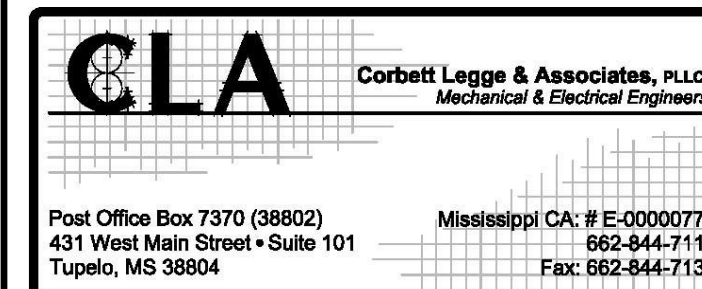
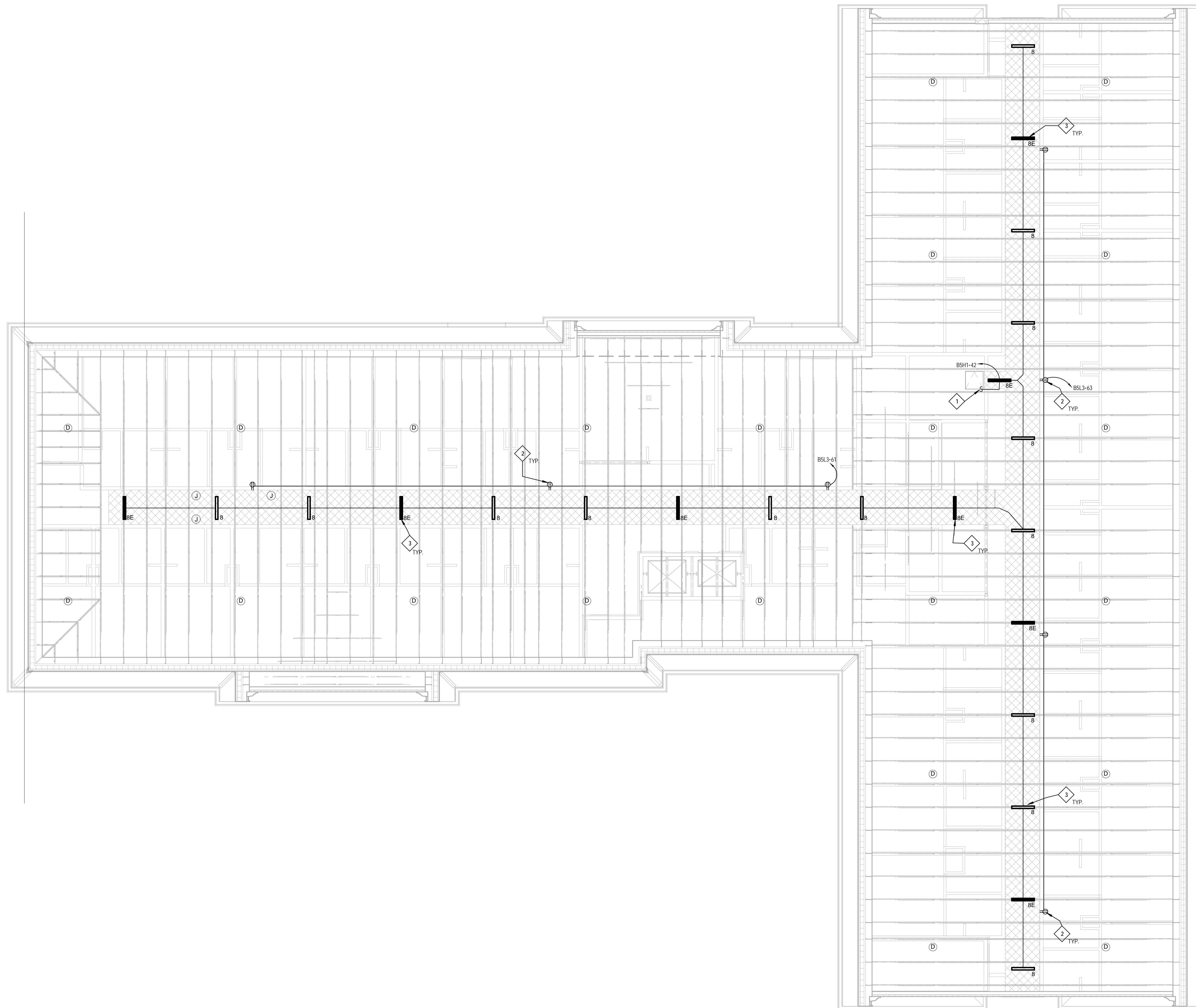
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PROJECT NO:
● 2012020
DRAWN BY:
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CHECKED BY:
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DATE ISSUED:
● 04 MAR 2013

SHEET NUMBER

421 of 458





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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.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020

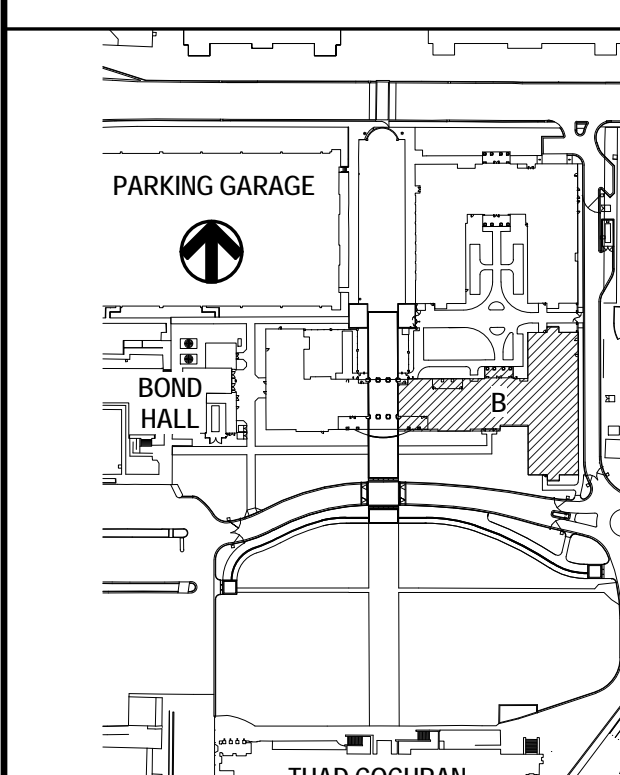
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● 04 MAR 2013

REVISIONS & ADDENDUM

KEY PLAN



SHEET TITLE

BUILDING E
ATTIC
ELECTRICAL
PLAN

SHEET NUMBER

EP 106F

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PROJECT TITLE
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IHL# 208-297

THE UNIVERSITY OF
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PROJECT NO:
● 2012020

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● JDL

DATE ISSUED:
● 04 MAR 2013

REVISIONS & ADDENDUM

SHEET TITLE

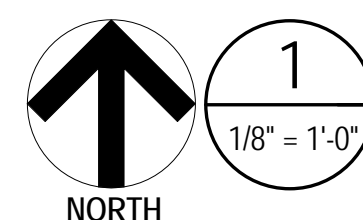
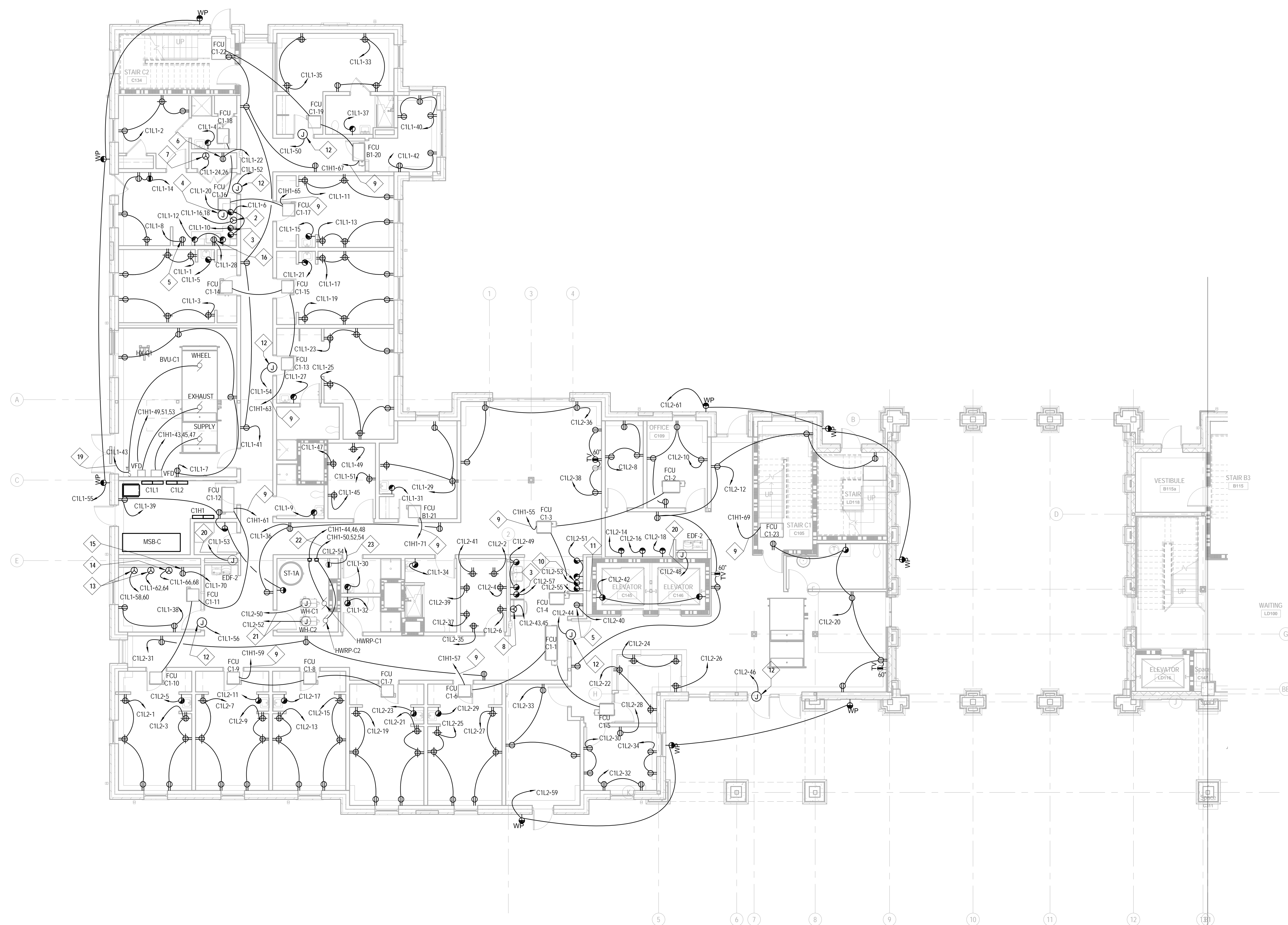
BUILDING C -
FIRST FLOOR
POWER PLAN

SHEET NUMBER

EP1010

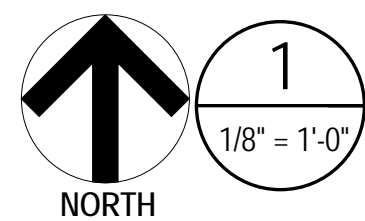
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1	PROVIDE 120V 1P-20A RECEPTACLE UNDERCOUNTER FOR DISHWASHER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND EQUIPMENT INFORMATION.
2	PROVIDE 208V 1P-50A RECEPTACLE FOR RANGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MILLWORK AND 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-30A RECEPTACLE FOR OVEN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INFORMATION.
9	POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE 208V 1P-30A RECEPTACLE ABOVE SHELF 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 ACCESSORIES. 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 RETURN FAN 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 RETURN FAN 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 DEFINE PURPOSE CONTRACTOR FOR INTERFERED WITH ELECTRICAL CONTROL. 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 EXACT LOCATION AND 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-20A RECEPTACLE FOR POWER TO HOT WATER RECIRCULATING PUMP. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR AND EQUIPMENT INFORMATION.

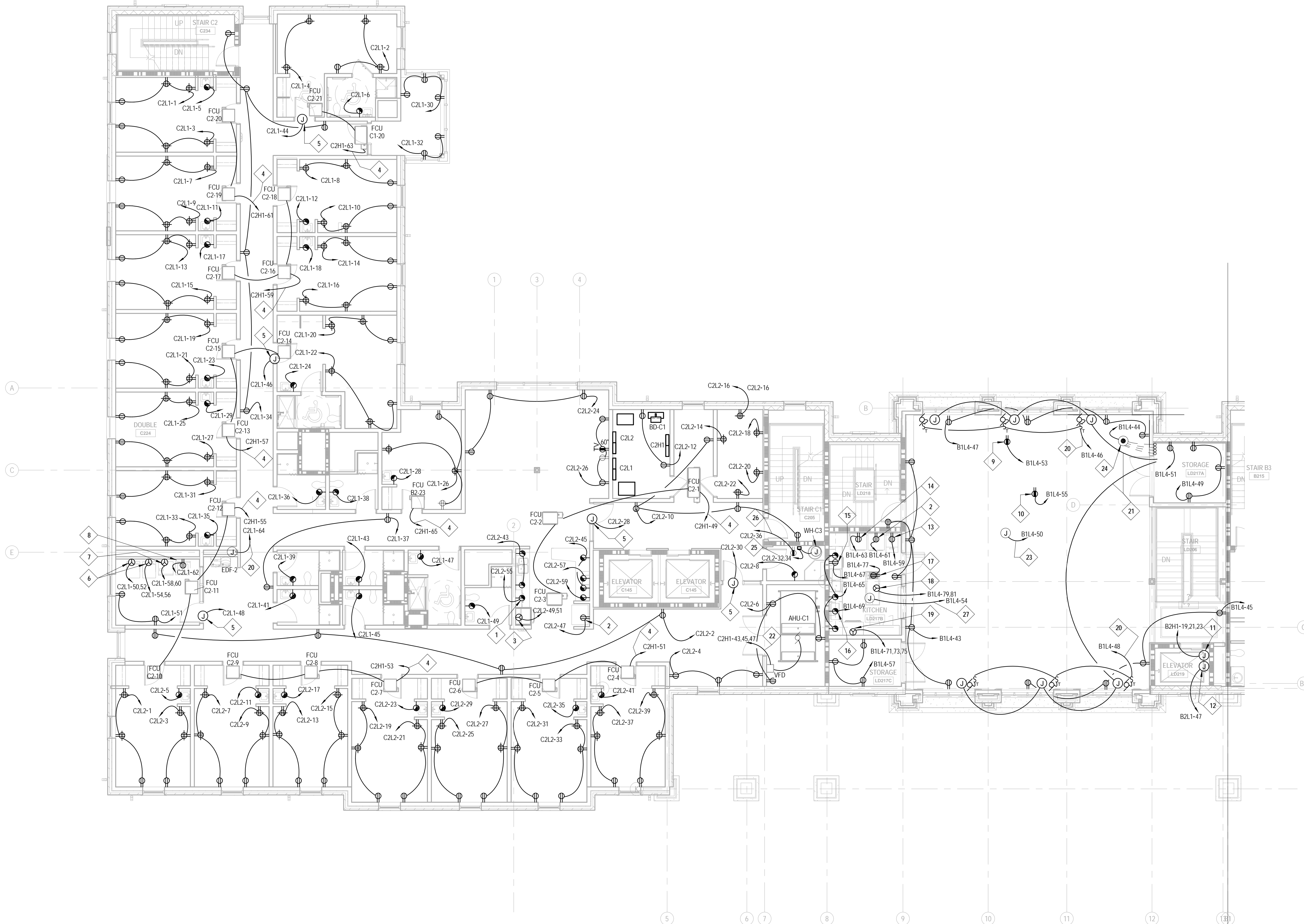


BUILDING C - FIRST FLOOR POWER PLAN

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BUILDING C - SECOND FLOOR POWER PLAN

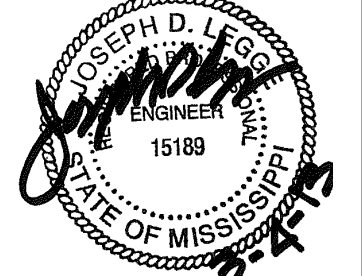


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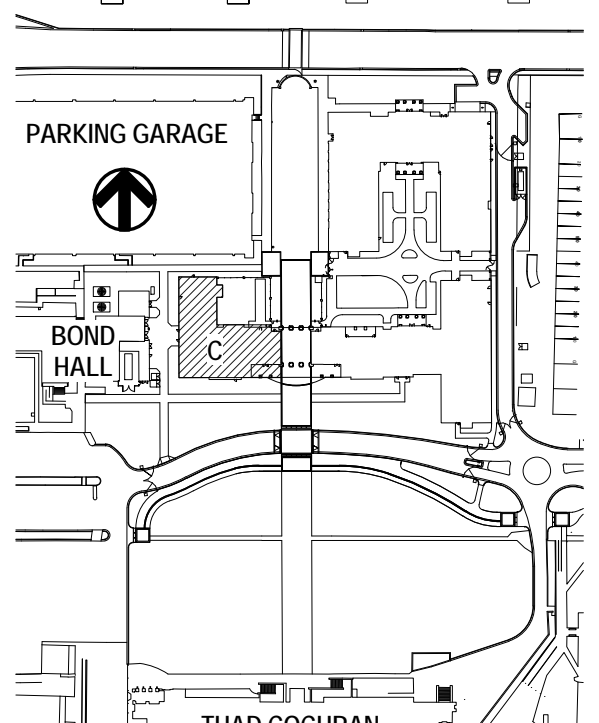
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662-844-7114
Fax: 662-844-7128



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 ACCESSORIES. 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 FROM BLINDS TO ABOVE ACCESSIBLE CEILING IN STORAGE LD217A. COORDINATE EXACT INTERFACE WITH EXISTING AV CONTROL SYSTEM AND PROVIDE HARDWARE AS REQUIRED. BLINDS WILL BE CONTROLLED FROM WALL SWITCHES AND THROUGH AV SYSTEM.
- 22 POWER CONNECTION FOR AIR HANDLING UNIT (AHU). PROVIDE CONNECTION TO VARIABLE FREQUENCY DRIVE (VFD) AND TO UNIT. VFD 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-3P-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 PROVIDE 120V-1P POWER FOR KITCHEN HOOD. PROVIDE MOTOR RATED SWITCH DISCONNECT. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR AND EQUIPMENT INFORMATION.

KEY PLAN



THE MCCARTY COMPANY
DESIGN GROUP, P.A.

15189

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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:
• JD
DATE ISSUED:
• 04 MAR 2013

REVISIONS & ADDENDUMS

SHEET TITLE

BUILDING C - SECOND FLOOR POWER PLAN

SHEET NUMBER

EP102C

424 of 458

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- 1 PROVIDE 120V-1P-20A GFI 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 MILLWORK INFORMATION.
- 4 POWER CONNECTION FOR FAN COIL UNITS (FCU). PROVIDE MOTO RATED SWITCH DISCONNECT ABOVE CEILING AND FAN COIL UNIT LOCATION AND EXACT REQUIREMENTS FOR MECHANICAL CONTRACTOR. SEE FCU/TERMINAL UNIT DETAIL ON SHEET 040.
- 5 POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTO RATED SWITCH DISCONNECT ABOVE DOOR. COORDINATE EXACT LOCATION AND CONNECTION OF ALL RELATED COMPONENTS AND ACCESSORIES. COORDINATE EXACT REQUIREMENTS WITH DOOR HARDWARE VENDOR INFORMATION.
- 6 POWER CONNECTION FOR STACKED WASHER / DRYER. PROVIDE MOTO RATED SWITCH DISCONNECT ABOVE DOOR. COORDINATE 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.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297

LA TIFODIA MICROIDICA

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020
DRAWN BY:
● DKH
CHECKED BY:
● JDL
DATE ISSUED:
● 04 MAR 2

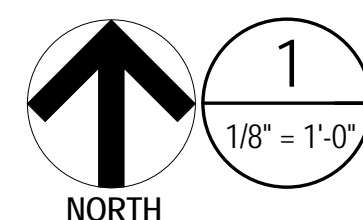
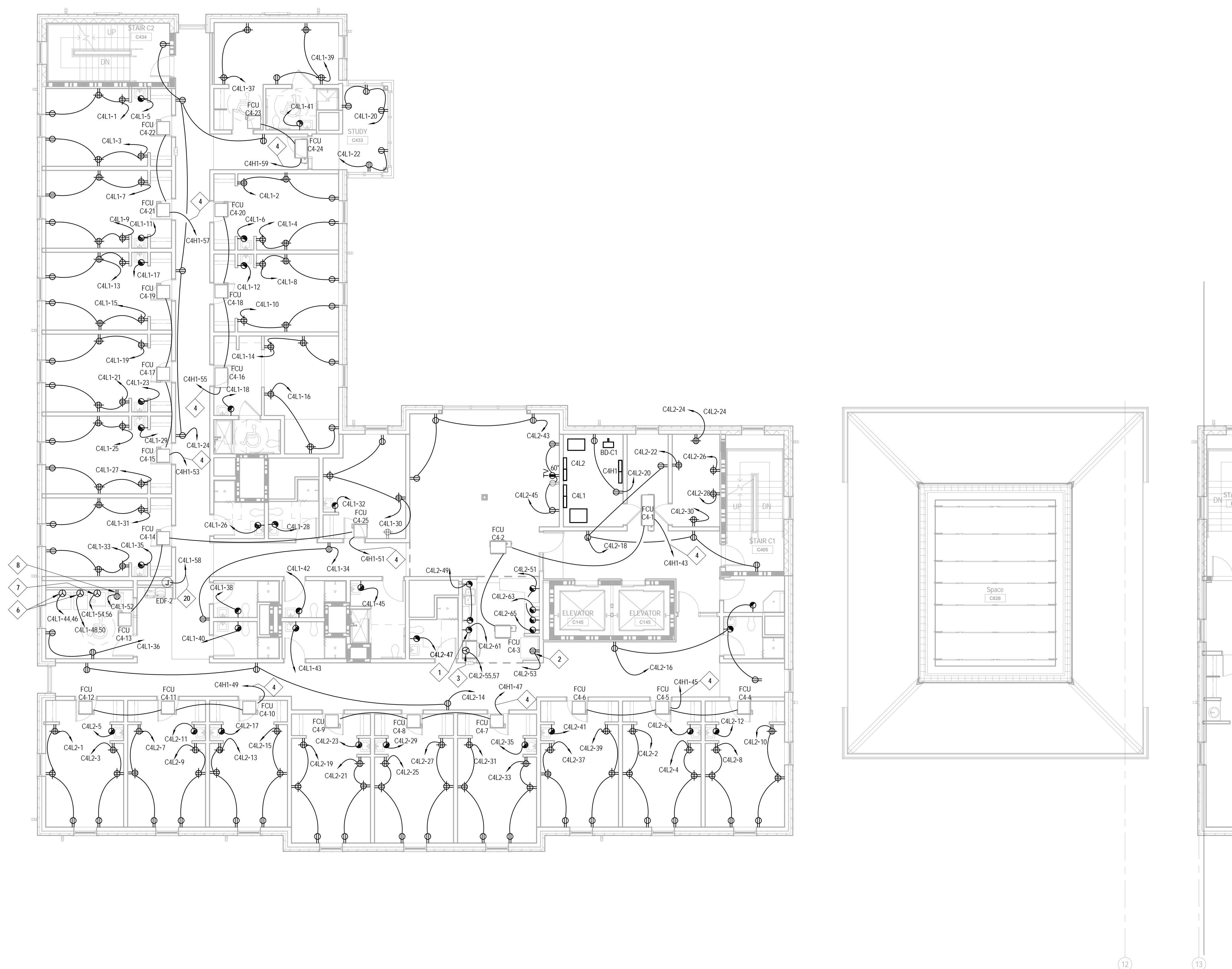
REVISIONS & ADDENDUM

A detailed site plan of the Bond Hall area. The plan shows a large 'PARKING GARAGE' at the top left, a 'BOND HALL' below it, and a 'JUDICIAL COURTHOUSE' at the bottom. A north arrow is located between the parking garage and the bond hall. The plan includes various streets, parking lots, and building footprints. A shaded area is visible between the bond hall and the courthouse.

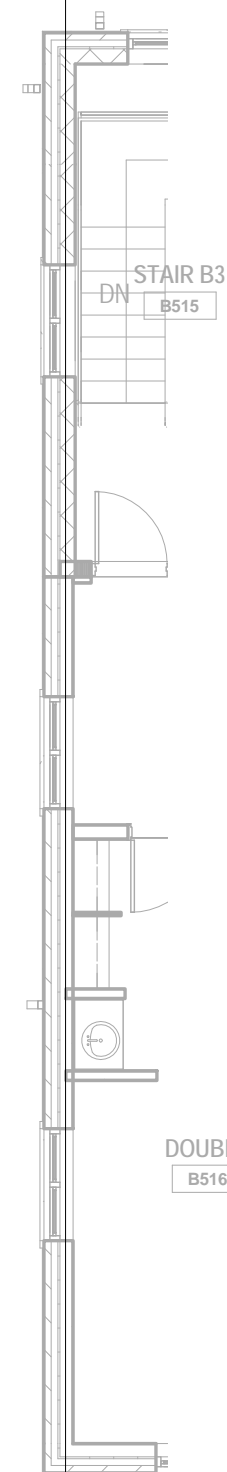
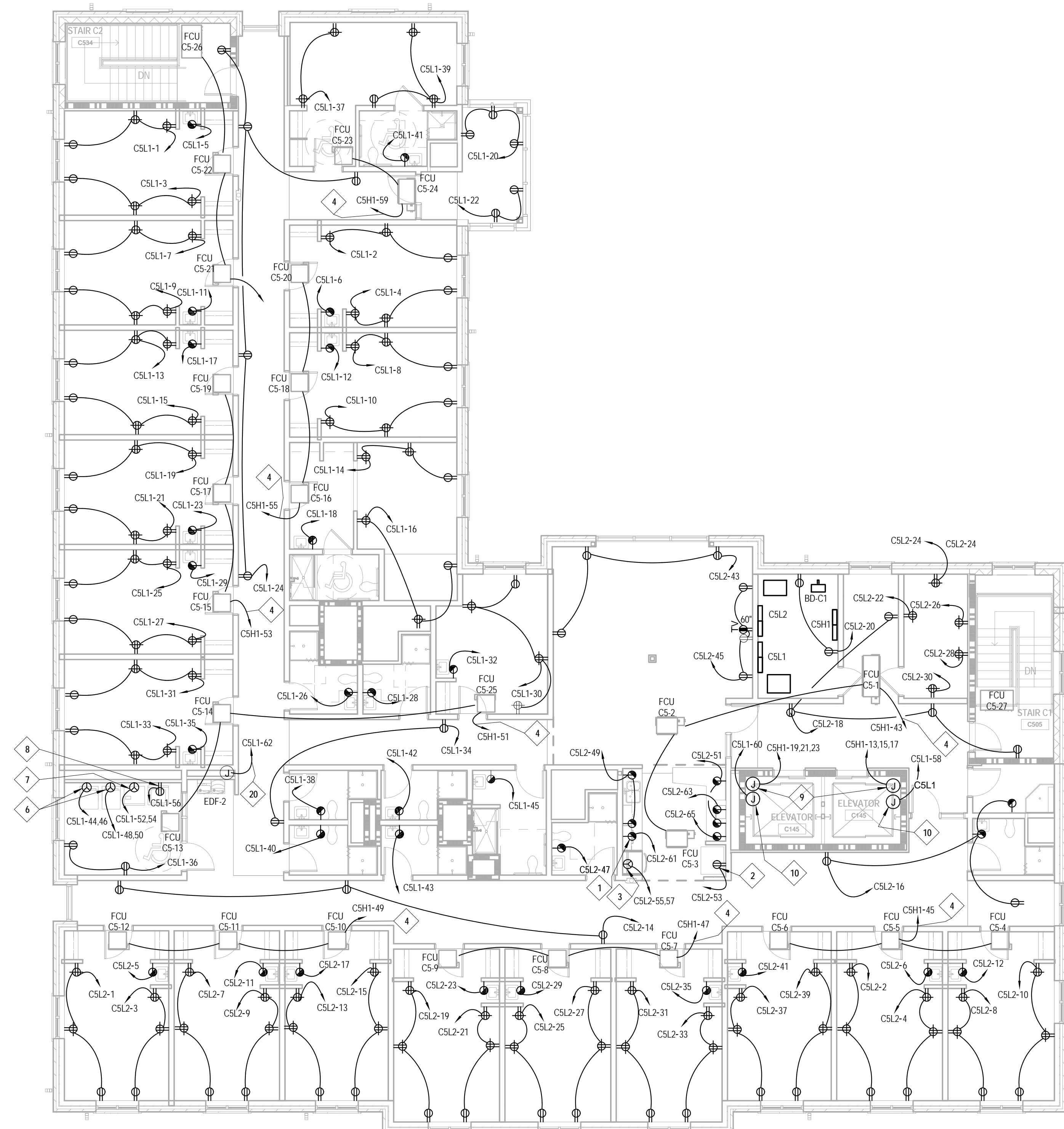
SHEET TITLE

BUILDING C -
FOURTH FLOOR
POWER PLAN

SHEET NUMBER
EP1040
426 of 458



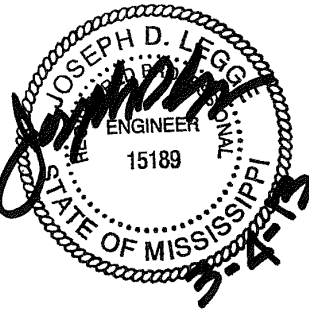
BUILDING C - FOURTH FLOOR POWER PLAN



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KEYNOTES

1. PROVIDE 100V-1P-20A GFI 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 04A.
5. POWER CONNECTION FOR AUTOMATIC DOOR. PROVIDE MOTOR RATED SWITCH DISCONNECT ABOVE ACCESSIBLE CEILING. PROVIDE INSTALLATION AND CONNECTION OF ALL RELATED CONDUITS AND ACCESSORIES. 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 BY ELEVATOR. PROVIDE 60A / 3P / NON-FUSED DISCONNECT WITH ELEVATOR VENDOR INFORMATION.
10. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. PROVIDE 120V-1P TO ELEVATOR CONTROL PANEL CAB LIGHTING. COORDINATE EXACT LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR VENDOR INFORMATION.

USM - CENTURY PARK SOUTH
IHL# 208-297

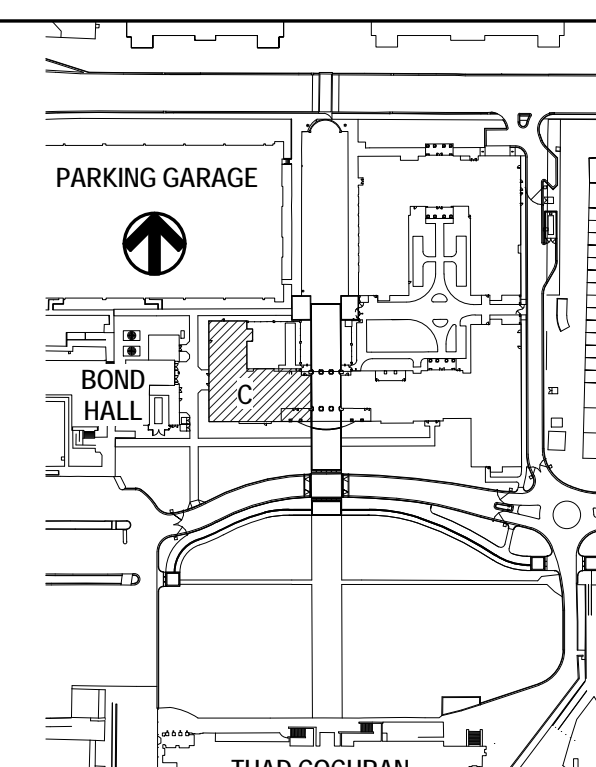
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUMS

KEY PLAN



SHEET TITLE

BUILDING C
FIFTH FLOOR
POWER PL

SHEET NUMBER

EP 105C

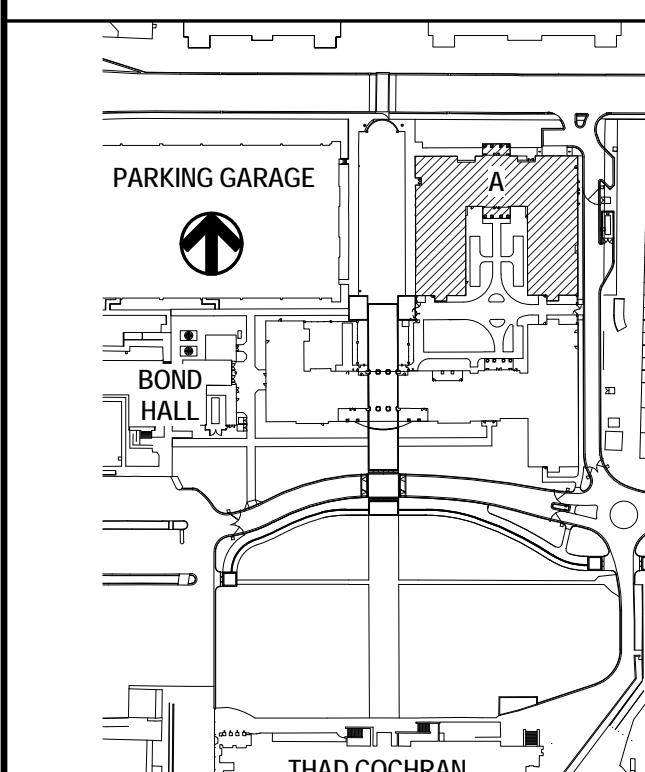
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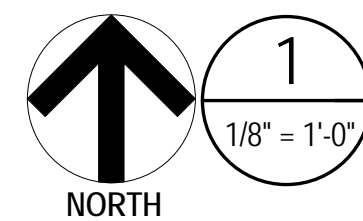


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|----|---|
| 1 | ELEVATOR PIT LIGHT. COORDINATE LOCATION OF FIXTURE WITH ELEVATOR EQUIPMENT. CONNECT TO RECEPTACLE CIRCUIT IN ELEVATOR PIT. SEE SHEET EP101. |
| 2 | <p>MOUNT FIXTURE AT 8'0" A.O.F.</p> <p>PROVIDE TYPE "2A" FIXTURE. REUSE BID.</p> <p>PROVIDE TYPE "2A" FIXTURE UNDER ALTERNATE #3.</p> |
| 3 | <p>UP TO TYPE "2B" FIXTURE ON SECOND FLOOR. SEE SHEET EL102A.</p> <p>MOUNT FIXTURE "30" ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION OF EXTERIOR REMOTE HEAD WITH ARCHITECT.</p> |
| 4 | <p>MOUNT FIXTURE "30" AT 9'0" A.O.F. COORDINATE LOCATION EXTERIOR REMOTE HEAD WITH ARCHITECT.</p> <p>PROVIDE TYPE "27" FIXTURE IN BASE BID.</p> <p>PROVIDE TYPE "27A" FIXTURE UNDER ALTERNATE #3.</p> |
| 5 | <p>PROVIDE TYPE "28" FIXTURE IN BASE BID.</p> <p>PROVIDE TYPE "28A" FIXTURE UNDER ALTERNATE #3.</p> |
| 6 | <p>HOMERUN VIA LIGHTING CONTROL PANEL "LCP" AT LOCATE ELEC. A124. SEE DETAIL ON SHEET Q04.</p> <p>PROVIDE NON-SWITCHED CONDUCTOR TO EXIT / EMERGENCY FIXTURE.</p> |
| 7 | <p>PROVIDE TYPE "25" FIXTURE IN BASE BID.</p> <p>PROVIDE TYPE "25A" FIXTURE UNDER ALTERNATE #3.</p> |
| 8 | SEE FIXTURE #33 MOUNTING BASE ON SHEET Q04. |
| 9 | |
| 10 | <p>CONDUCT IN USE TO FIXTURE TO RADIOGRAPHIC EQUIPMENT REQUIRED BY MD SOUTH MEDICAL IMAGING.</p> |
| 11 | |
| 12 | |

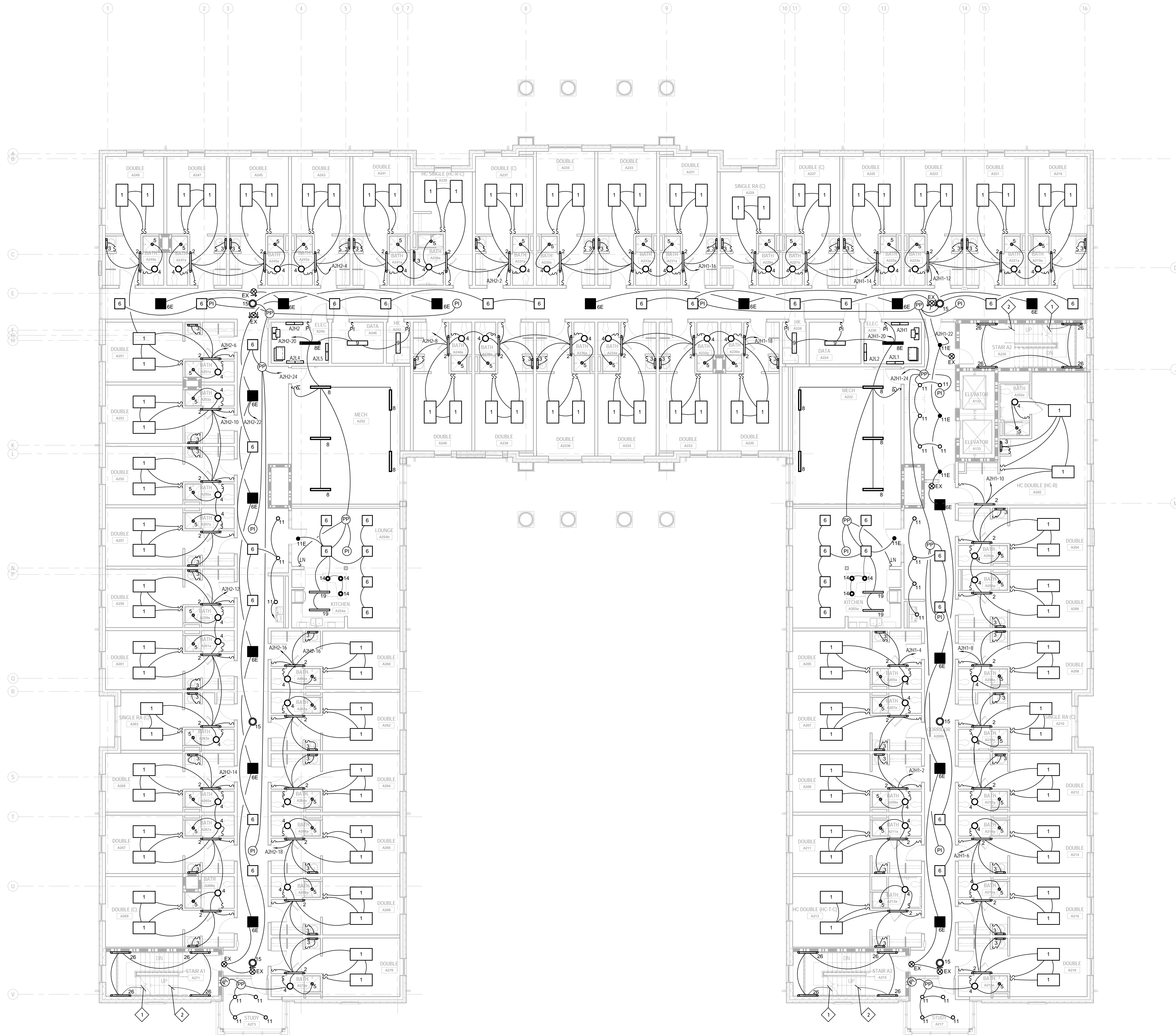
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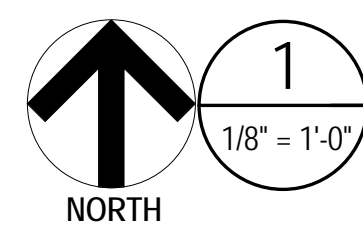


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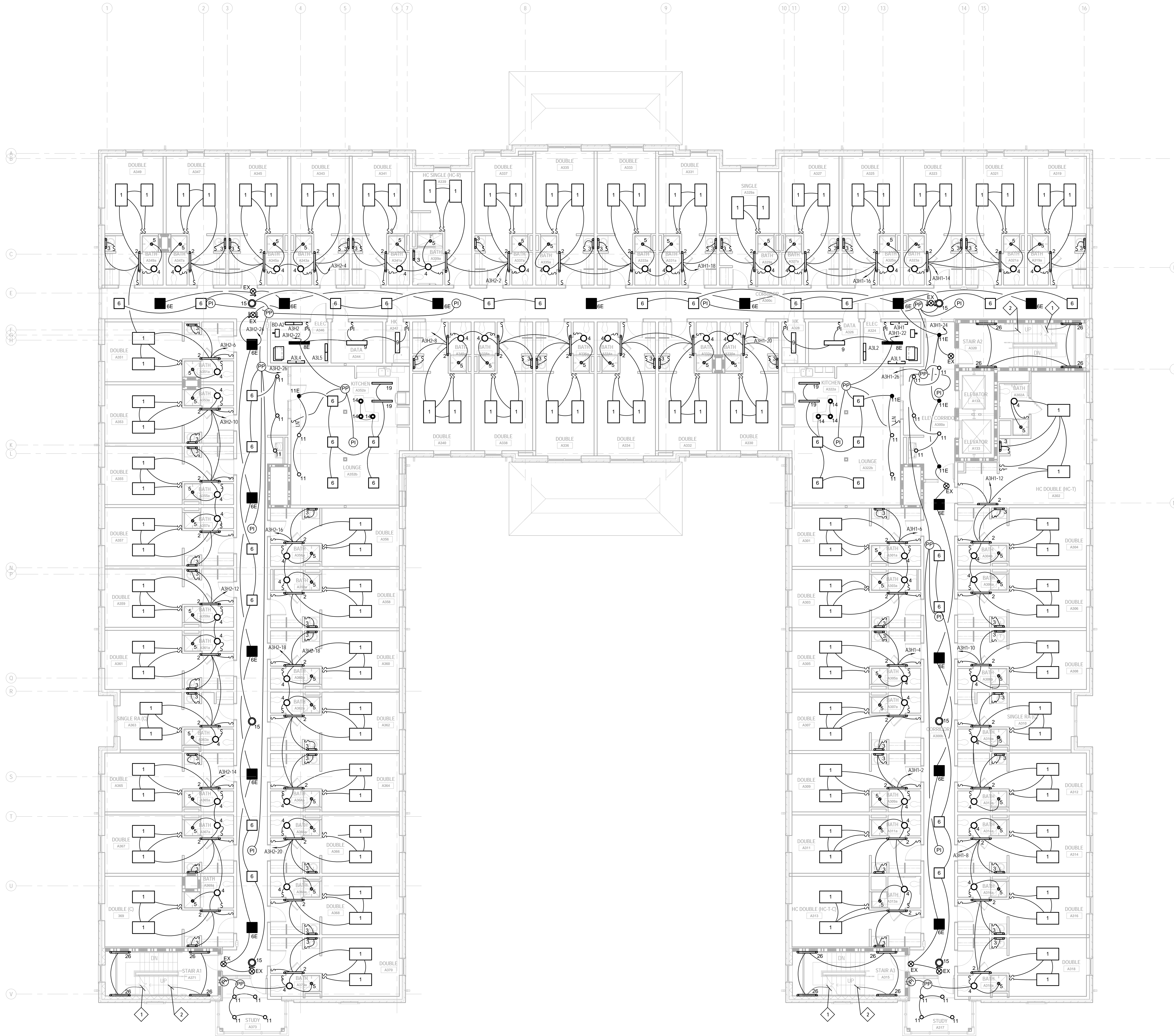


BUILDING A - SECOND FLOOR LIGHTING PLAN

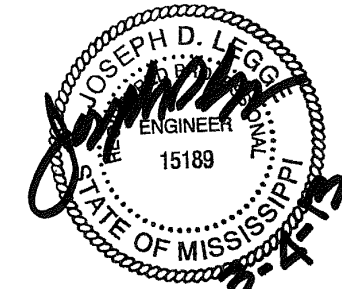




BUILDING A - THIRD FLOOR LIGHTING PLAN



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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

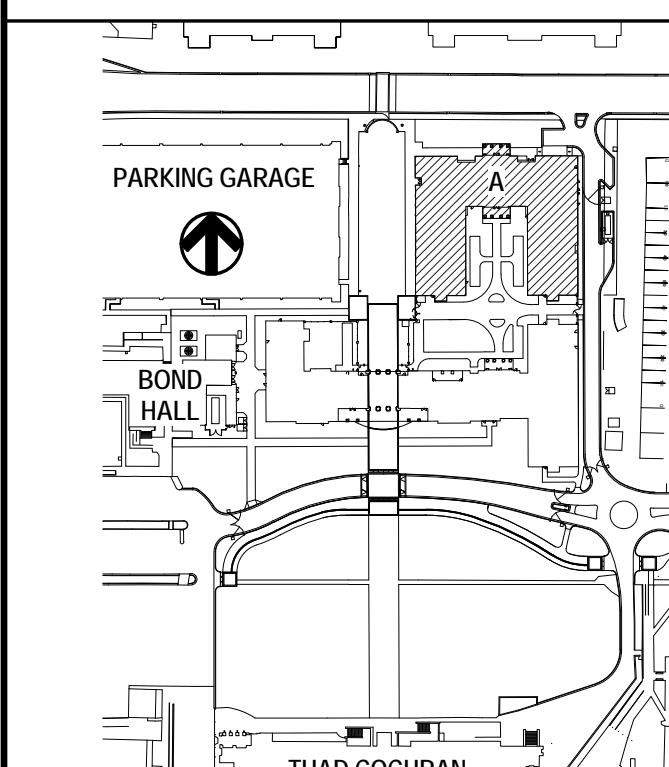
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUMS

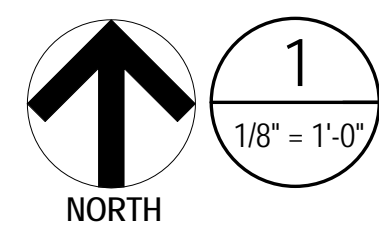
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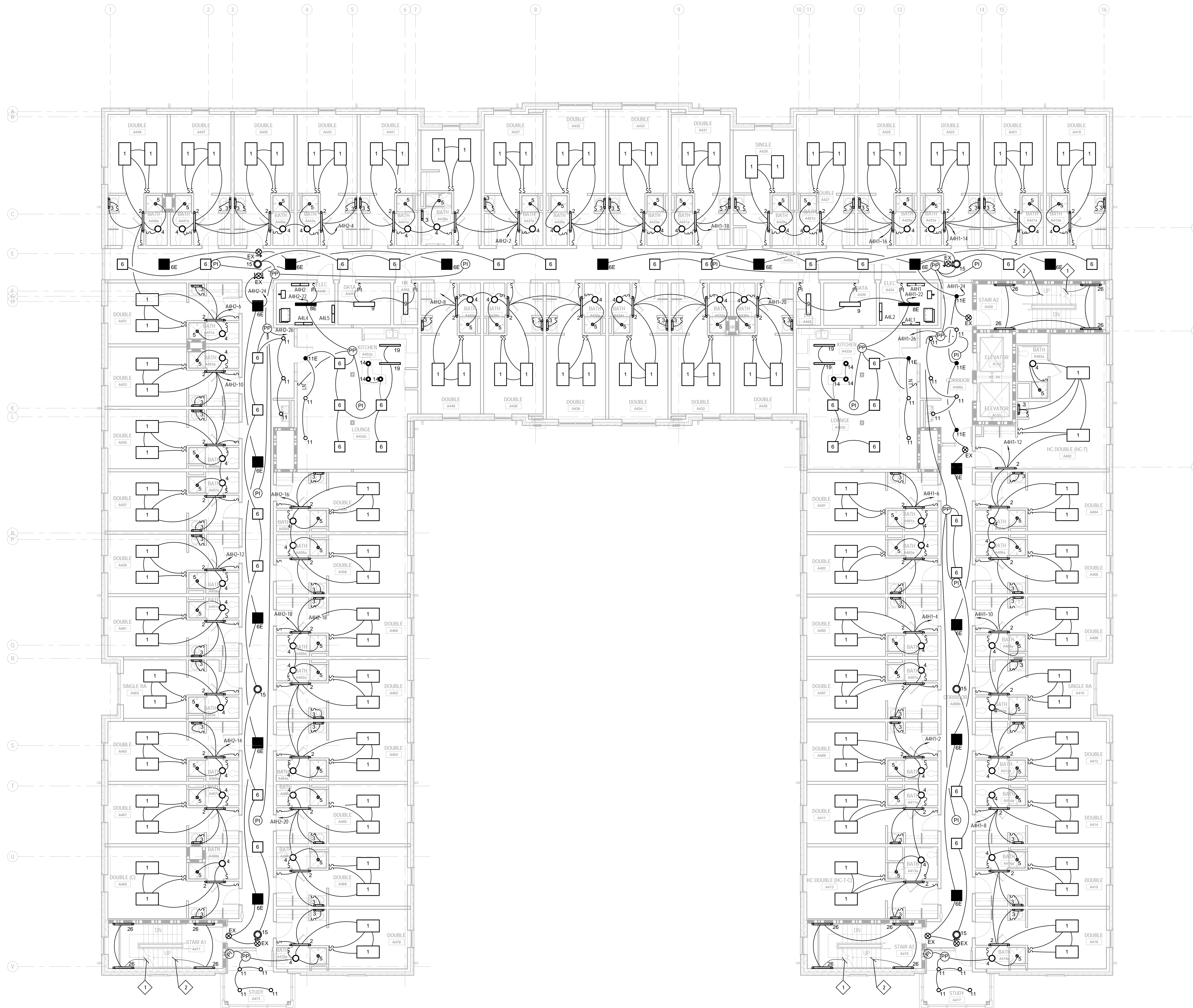
SHEET TITLE
BUILDING A -
THIRD FLOOR
LIGHTING PLAN

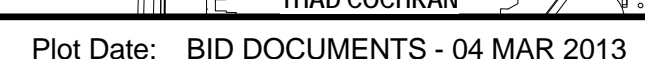
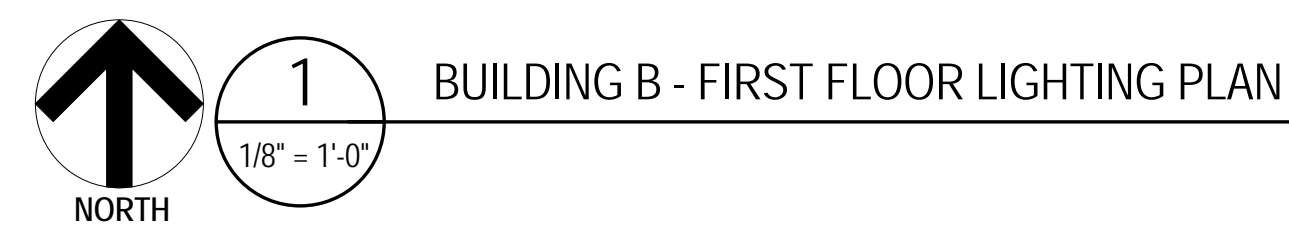
SHEET NUMBER
EL103A
431 of 458

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BUILDING A - FOURTH FLOOR LIGHTING PLAN





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Lattas + Com

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

DISCUSSION

MISSISSIPPI

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ADDENDUM

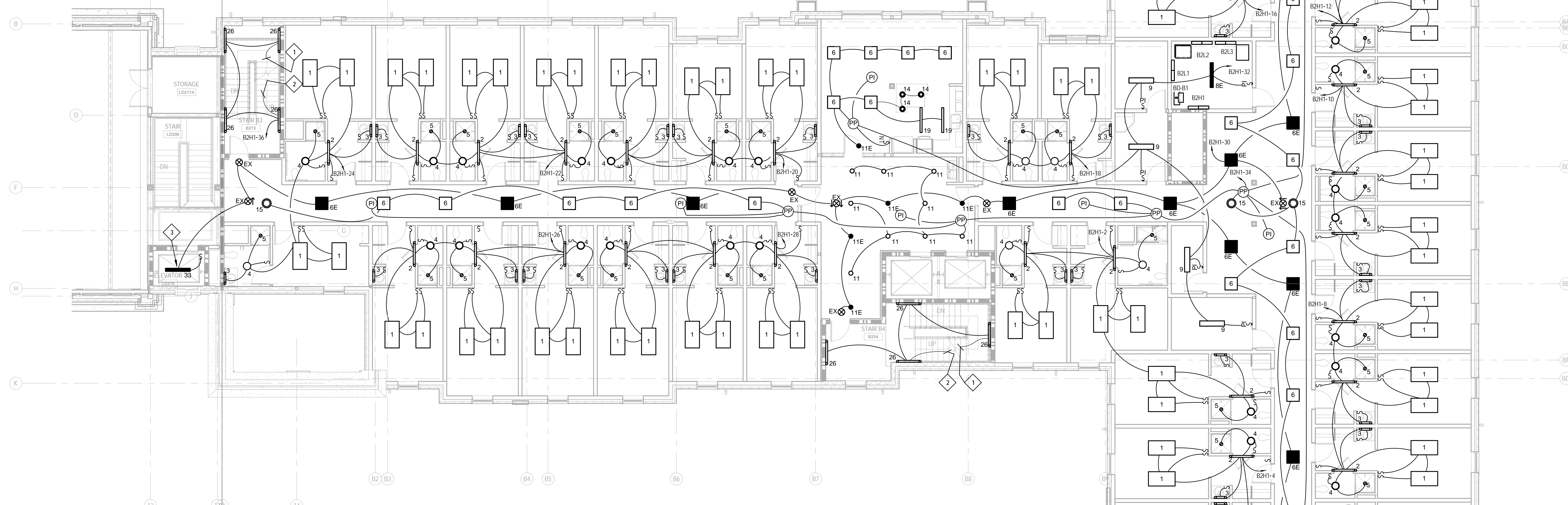
A detailed site plan of the Bond Hall and its associated parking garage. The plan shows the layout of the building, including the main hall, a smaller structure labeled 'BOND HALL', and a large parking area. A north arrow is located near the top left, pointing towards the upper right. The plan also shows the surrounding streets, including 'THAD COCHRAN' at the bottom and 'PARKING GARAGE' at the top. The building is situated on a corner lot, with a large parking area to its left and a smaller parking area to its right. The plan includes various architectural details such as walls, doors, and windows, as well as landscaping elements like trees and shrubs.

TITLE
G B -
FLOOR
G PLAN

NUMBER

02E

458



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1 UP FROM TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102B.

2 UP TO TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104B.

HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
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REVISIONS & ADDENDUMS

A detailed site plan of the Bond Warehouse. The plan shows a large rectangular building with various rooms labeled: 100A, 100B, 100C, 100D, 100E, 100F, 100G, 100H, 100I, 100J, 100K, 100L, 100M, 100N, 100O, 100P, 100Q, 100R, 100S, 100T, 100U, 100V, 100W, 100X, 100Y, 100Z, 100AA, 100AB, 100AC, 100AD, 100AE, 100AF, 100AG, 100AH, 100AI, 100AJ, 100AK, 100AL, 100AM, 100AN, 100AO, 100AP, 100AQ, 100AR, 100AS, 100AT, 100AU, 100AV, 100AW, 100AX, 100AY, 100AZ, 100BA, 100BB, 100BC, 100BD, 100BE, 100BF, 100BG, 100BH, 100BI, 100BJ, 100BK, 100BL, 100BM, 100BN, 100BO, 100BP, 100BQ, 100BR, 100BS, 100BT, 100BU, 100BV, 100BW, 100BX, 100BY, 100BZ, 100CA, 100CB, 100CC, 100CD, 100CE, 100CF, 100CG, 100CH, 100CI, 100CJ, 100CK, 100CL, 100CM, 100CN, 100CO, 100CP, 100CQ, 100CR, 100CS, 100CT, 100CU, 100CV, 100CW, 100CX, 100CY, 100CZ, 100DA, 100DB, 100DC, 100DD, 100DE, 100DF, 100DG, 100DH, 100DI, 100DJ, 100DK, 100DL, 100DM, 100DN, 100DO, 100DP, 100DQ, 100DR, 100DS, 100DT, 100DU, 100DV, 100DW, 100DX, 100DY, 100DZ, 100EA, 100EB, 100EC, 100ED, 100EE, 100EF, 100EG, 100EH, 100EI, 100EJ, 100EK, 100EL, 100EM, 100EN, 100EO, 100EP, 100EQ, 100ER, 100ES, 100ET, 100EU, 100EV, 100EW, 100EX, 100EY, 100EZ, 100FA, 100FB, 100FC, 100FD, 100FE, 100FF, 100FG, 100FH, 100FI, 100FJ, 100FK, 100FL, 100FM, 100FN, 100FO, 100FP, 100FQ, 100FR, 100FS, 100FT, 100FU, 100FV, 100FW, 100FX, 100FY, 100FZ, 100GA, 100GB, 100GC, 100GD, 100GE, 100GF, 100GG, 100GH, 100GI, 100GJ, 100GK, 100GL, 100GM, 100GN, 100GO, 100GP, 100GQ, 100GR, 100GS, 100GT, 100GU, 100GV, 100GW, 100GX, 100GY, 100GZ, 100HA, 100HB, 100HC, 100HD, 100HE, 100HF, 100HG, 100HH, 100HI, 100HJ, 100HK, 100HL, 100HM, 100HN, 100HO, 100HP, 100HQ, 100HR, 100HS, 100HT, 100HU, 100HV, 100HW, 100HX, 100HY, 100HZ, 100IA, 100IB, 100IC, 100ID, 100IE, 100IF, 100IG, 100IH, 100II, 100IJ, 100IK, 100IL, 100IM, 100IN, 100IO, 100IP, 100IQ, 100IR, 100IS, 100IT, 100IU, 100IV, 100IW, 100IX, 100IY, 100IZ, 100JA, 100JB, 100JC, 100JD, 100JE, 100JF, 100JG, 100JH, 100JI, 100JJ, 100JK, 100JL, 100JM, 100JN, 100JO, 100JP, 100JQ, 100JR, 100JS, 100JT, 100JU, 100JV, 100JW, 100JX, 100JY, 100JZ, 100KA, 100KB, 100KC, 100KD, 100KE, 100KF, 100KG, 100KH, 100KI, 100KJ, 100KK, 100KL, 100KM, 100KN, 100KO, 100KP, 100KQ, 100KR, 100KS, 100KT, 100KU, 100KV, 100KW, 100KX, 100KY, 100KZ, 100LA, 100LB, 100LC, 100LD, 100LE, 100LF, 100LG, 100LH, 100LI, 100LJ, 100LK, 100LL, 100LM, 100LN, 100LO, 100LP, 100LQ, 100LR, 100LS, 100LT, 100LU, 100LV, 100LW, 100LX, 100LY, 100LZ, 100MA, 100MB, 100MC, 100MD, 100ME, 100MF, 100MG, 100MH, 100MI, 100MJ, 100MK, 100ML, 100MM, 100MN, 100MO, 100MP, 100MQ, 100MR, 100MS, 100MT, 100MU, 100MV, 100MW, 100MX, 100MY, 100MZ, 100NA, 100NB, 100NC, 100ND, 100NE, 100NF, 100NG, 100NH, 100NI, 100NJ, 100NK, 100NL, 100NM, 100NN, 100NO, 100NP, 100NQ, 100NR, 100NS, 100NT, 100NU, 100NV, 100NW, 100NX, 100NY, 100NZ, 100OA, 100OB, 100OC, 100OD, 100OE, 100OF, 100OG, 100OH, 100OI, 100OJ, 100OK, 100OL, 100OM, 100ON, 100OO, 100OP, 100OQ, 100OR, 100OS, 100OT, 100OU, 100OV, 100OW, 100OX, 100OY, 100OZ, 100PA, 100PB, 100PC, 100PD, 100PE, 100PF, 100PG, 100PH, 100PI, 100PJ, 100PK, 100PL, 100PM, 100PN, 100PO, 100PP, 100PQ, 100PR, 100PS, 100PT, 100PU, 100PV, 100PW, 100PX, 100PY, 100PZ, 100QA, 100QB, 100QC, 100QD, 100QE, 100QF, 100QG, 100QH, 100QI, 100QJ, 100QK, 100QL, 100QM, 100QN, 100QO, 100QP, 100QQ, 100QR, 100QS, 100QT, 100QU, 100QV, 100QW, 100QX, 100QY, 100QZ, 100RA, 100RB, 100RC, 100RD, 100RE, 100RF, 100RG, 100RH, 100RI, 100RJ, 100RK, 100RL, 100RM, 100RN, 100RO, 100RP, 100RQ, 100RR, 100RS, 100RT, 100RU, 100RV, 100RW, 100RX, 100RY, 100RZ, 100SA, 100SB, 100SC, 100SD, 100SE, 100SF, 100SG, 100SH, 100SI, 100SJ, 100SK, 100SL, 100SM, 100SN, 100SO, 100SP, 100SQ, 100SR, 100SS, 100ST, 100SU, 100SV, 100SW, 100SX, 100SY, 100SZ, 100TA, 100TB, 100TC, 100TD, 100TE, 100TF, 100TG, 100TH, 100TI, 100TJ, 100TK, 100TL, 100TM, 100TN, 100TO, 100TP, 100TQ, 100TR, 100TS, 100TT, 100TU, 100TV, 100TW, 100TX, 100TY, 100TZ, 100UA, 100UB, 100UC, 100UD, 100UE, 100UF, 100UG, 100UH, 100UI, 100UJ, 100UK, 100UL, 100UM, 100UN, 100UO, 100UP, 100UQ, 100UR, 100US, 100UT, 100UU, 100UV, 100UW, 100UX, 100UY, 100UZ, 100VA, 100VB, 100VC, 100VD, 100VE, 100VF, 100VG, 100VH, 100VI, 100VJ, 100VK, 100VL, 100VM, 100VN, 100VO, 100VP, 100VQ, 100VR, 100VS, 100VT, 100VU, 100VV, 100VW, 100VX, 100VY, 100VZ, 100WA, 100WB, 100WC, 100WD, 100WE, 100WF, 100WG, 100WH, 100WI, 100WJ, 100WK, 100WL, 100WM, 100WN, 100WO, 100WP, 100WQ, 100WR, 100WS, 100WT, 100WU, 100WV, 100WW, 100WX, 100WY, 100WZ, 100XA, 100XB, 100XC, 100XD, 100XE, 100XF, 100XG, 100XH, 100XI, 100XJ, 100XK, 100XL, 100XM, 100XN, 100XO, 100XP, 100XQ, 100XR, 100XS, 100XT, 100XU, 100XV, 100XW, 100XX, 100XY, 100XZ, 100YA, 100YB, 100YC, 100YD, 100YE, 100YF, 100YG, 100YH, 100YI, 100

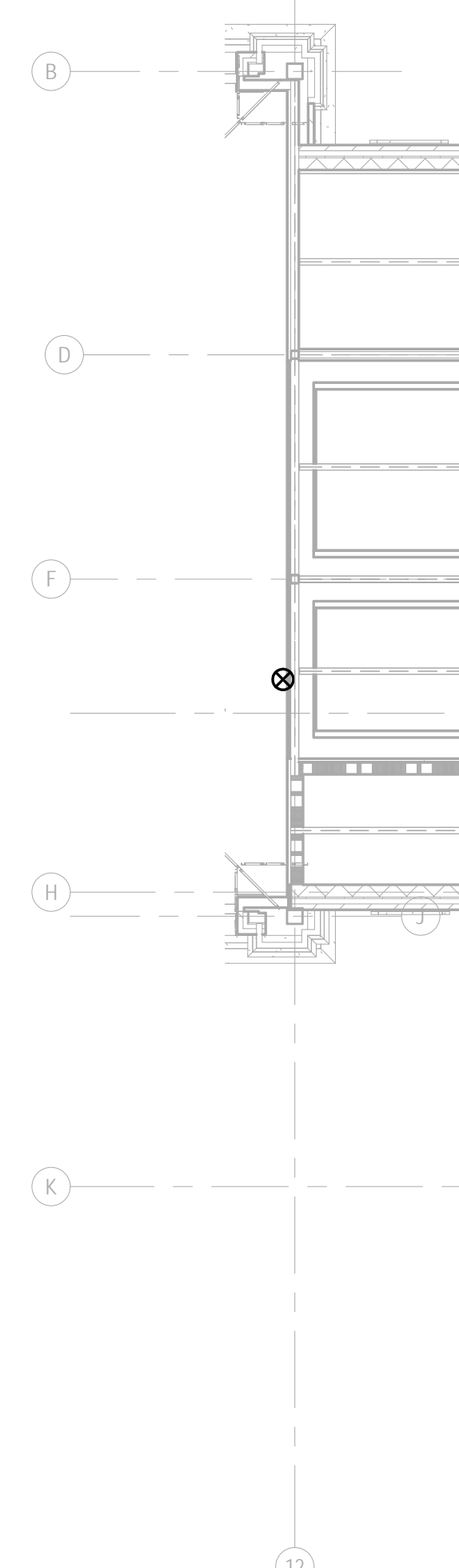
SHEET TITLE

BUILDING B -
THIRD FLOOR
LIGHTING PLAN

SHEET NUMBER

EL103B

436 of 458



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120 Atlantic Street
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www.hewv.com

1 UP FROM TYPE "26" FIXTURE ON THIRD FLOOR. SEE SHEET EL103B.

2 UP TO TYPE "26" FIXTURE ON FIFTH FLOOR. SEE SHEET EL105B.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020

DRAWN BY:
● DKH

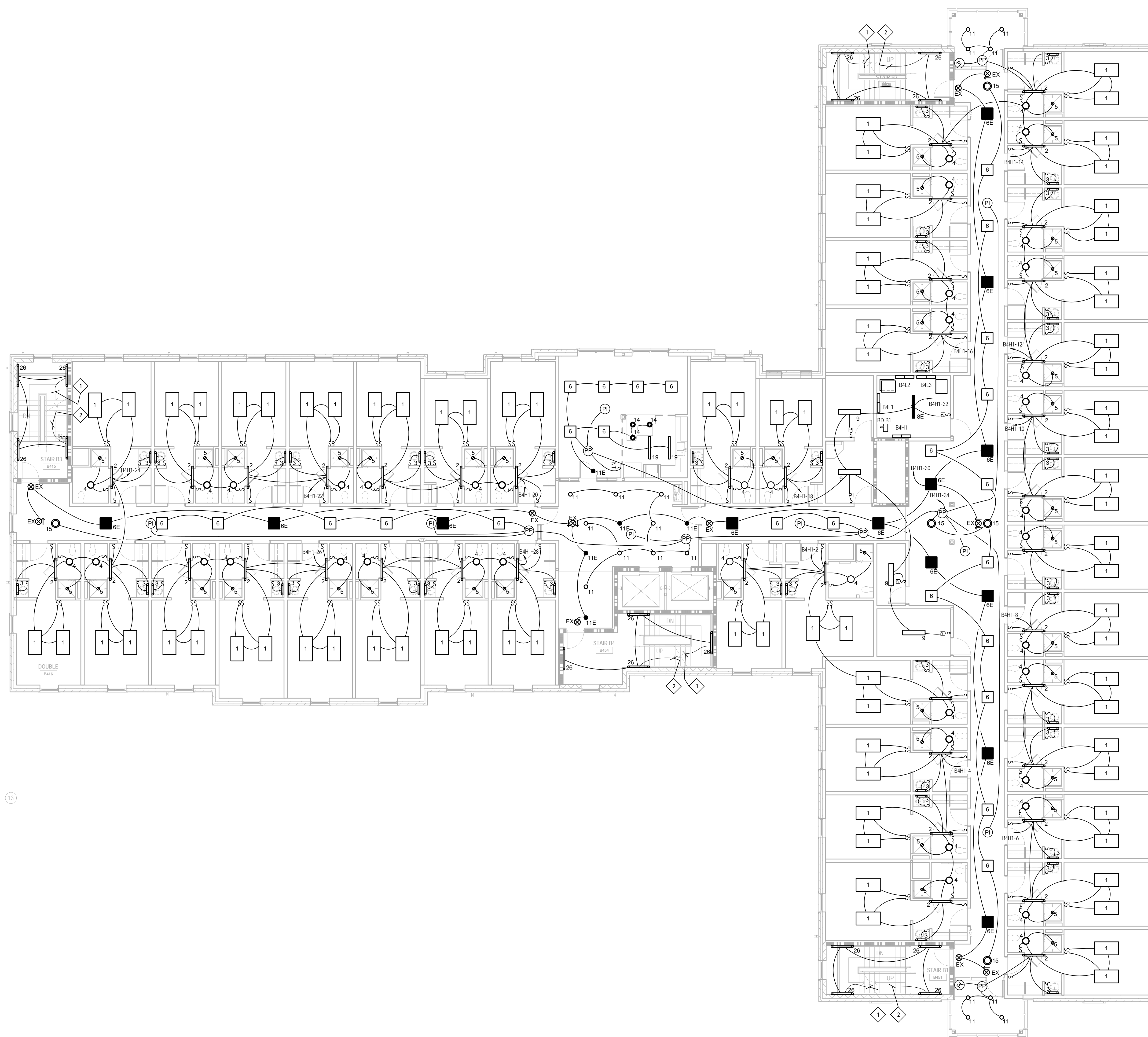
CHECKED BY:
● JDL

DATE ISSUED:
● 04 MAR 2013

SHEET TITLE

BUILDING B -
FOURTH FLOOR
LIGHTING PLAN

SHEET NUMBER
EL104E
437 of 458



BUILDING B - FOURTH FLOOR LIGHTING PLAN

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FAX:

Vlattas + Com

- 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.

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2013

ADDENDUM

A detailed site plan of the Bond Hall area. The plan shows a large 'PARKING GARAGE' at the top left, with an arrow pointing to a specific location. Below the garage is the 'BOND HALL'. To the right of the bond hall is a shaded area labeled 'B'. The plan also shows 'THIRD COURSE' and 'THIRD COURSE' labels. The bottom of the plan is labeled 'THIRD COURSE'. The plan includes various streets and building footprints.

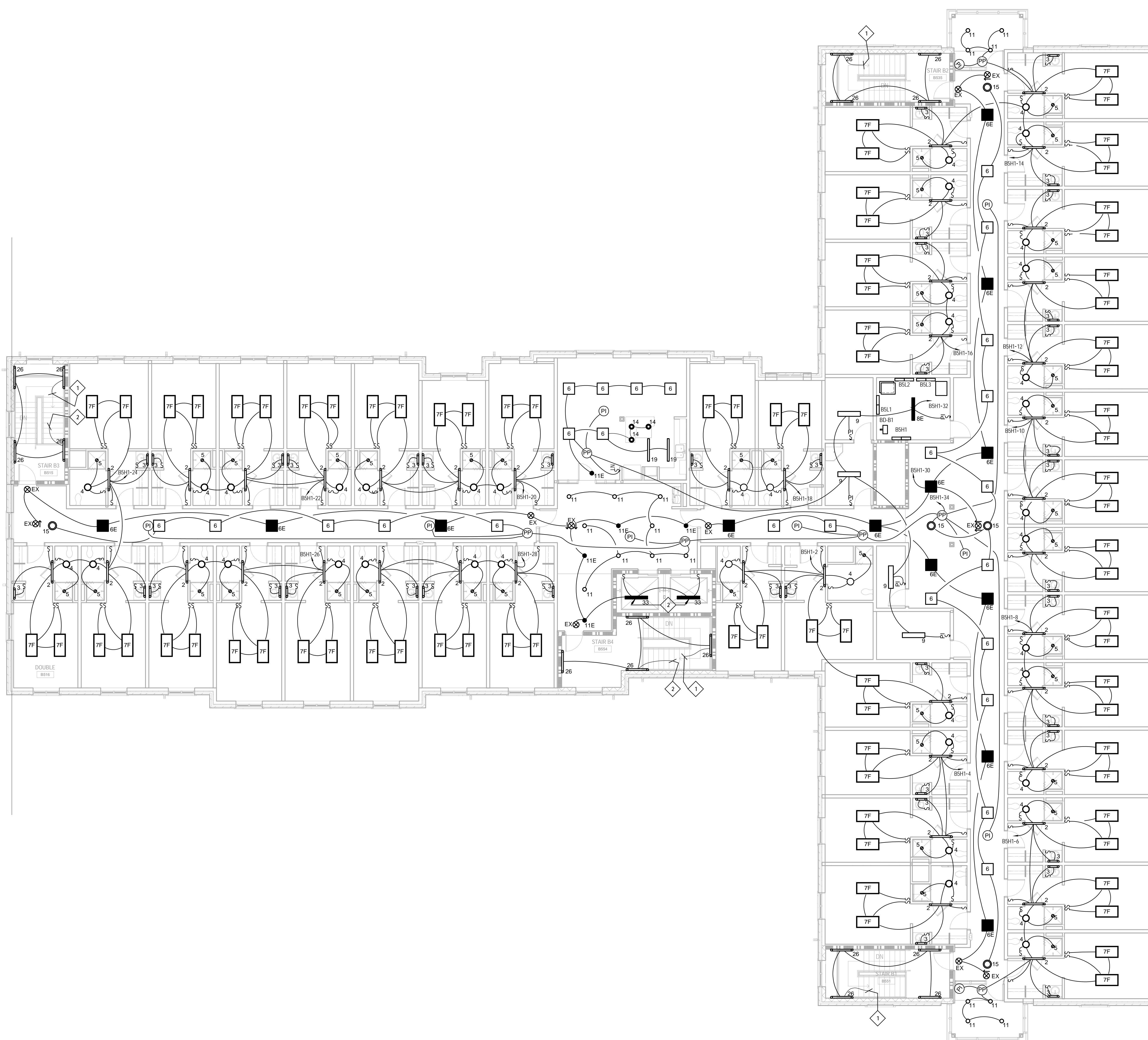
TITLE

NG B -
FLOOR
G PLAN

IMPER

05E

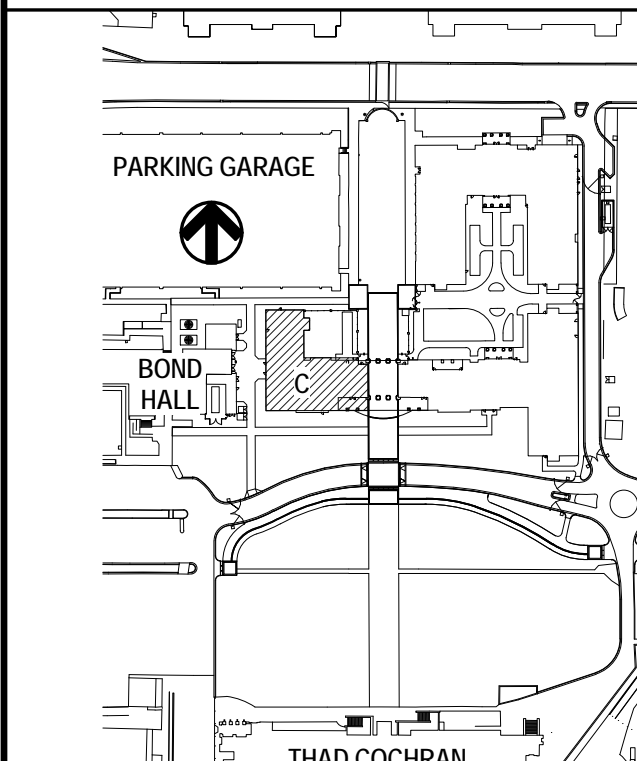
458





- 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 "2F" FIXTURE IN BASE BID. PROVIDE TYPE "2AF" 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-B" LOCATED IN VESTIBULE B125a. SEE DETAIL ON SHEET E004.
- 7 HOMERUN VIA LIGHTING CONTROL PANEL "LCP-C" LOCATED IN ELEC C122. SEE DETAIL ON SHEET E004.
- 8 MOUNT FIXTURE "32" AT 10'-0" A.F.F.

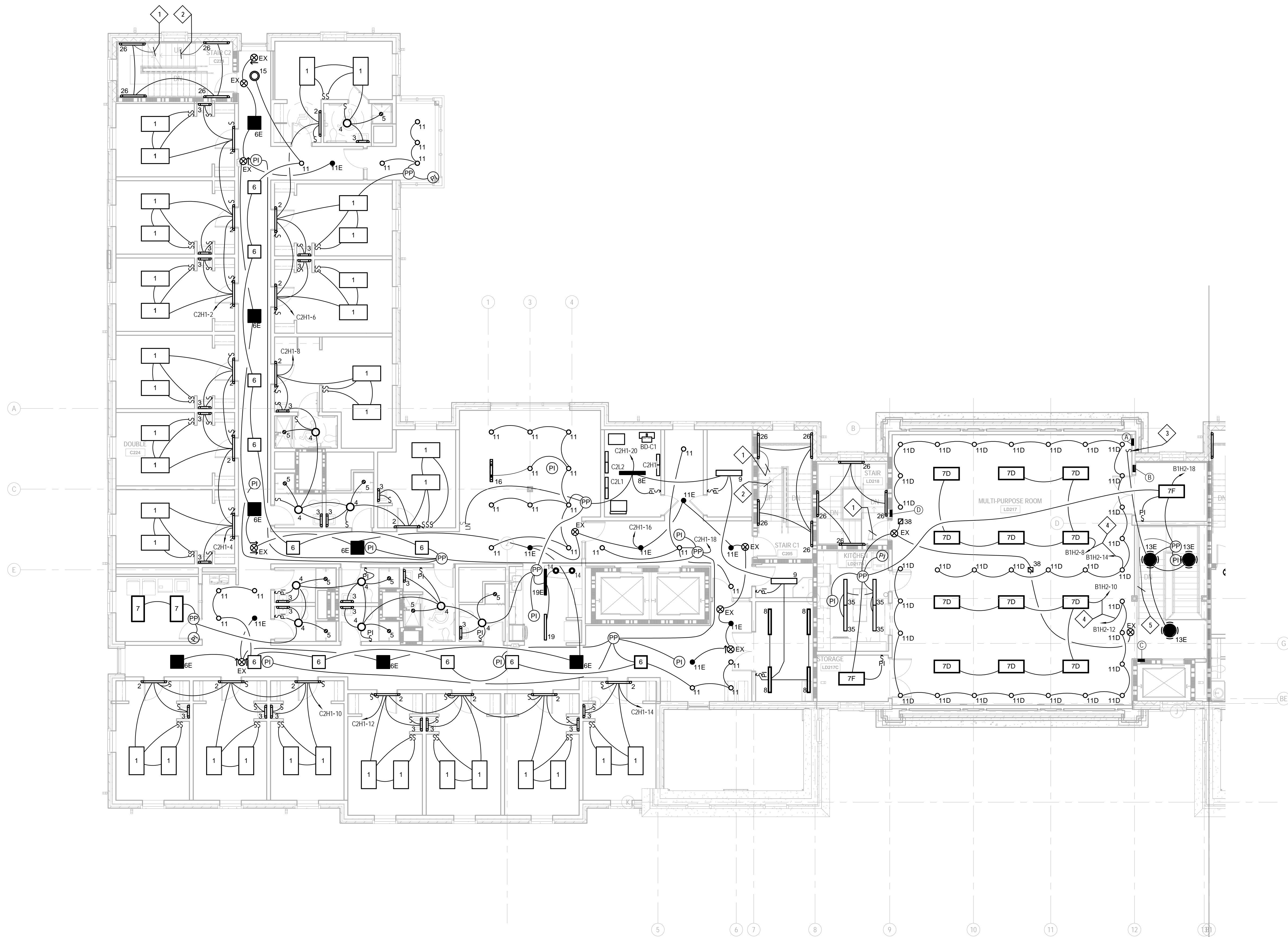
KEY PLAN



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

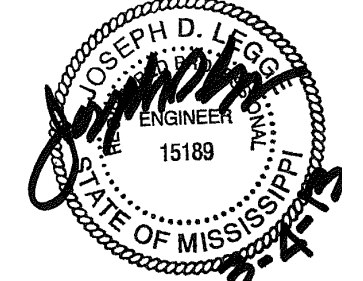


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KEYNOTES

- 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 L0017 LIGHTING CONTROL DETAIL ON SHEET E007.
- 5 DOWN TO STEP LIGHTS TYPE '37'. STEP LIGHTS TO BE CONTROLLED BY OCCUPANCY SENSOR.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297

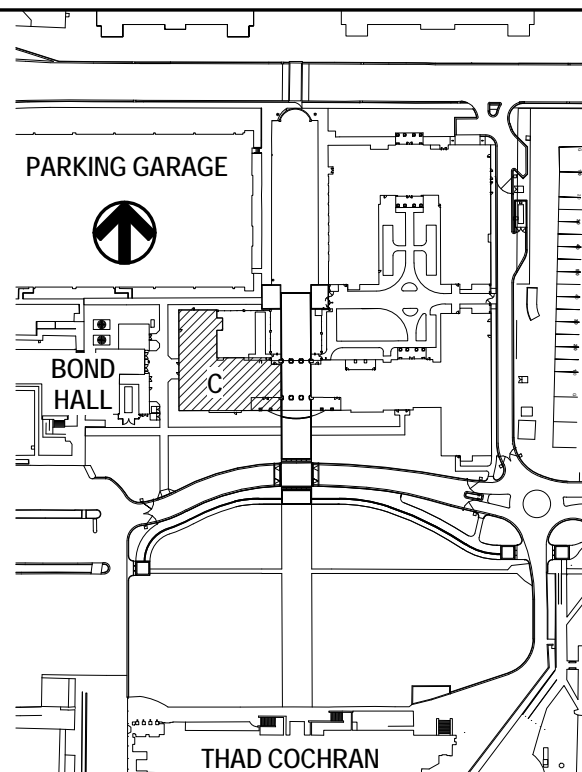
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUMS

KEY PLAN



SHEET TITLE
BUILDING C -
SECOND FLOOR
LIGHTING PLAN

SHEET NUMBER
EL102C
440 of 458

THE McCARTY COMPANY
DESIGN GROUP, P.A.



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1 UP FROM TYPE "26" FIXTURE ON SECOND FLOOR. SEE SHEET EL102C.

2 UP TO TYPE "26" FIXTURE ON FOURTH FLOOR. SEE SHEET EL104C.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
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PROJECT NO:
● 2012020
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● DKH
CHECKED BY:
● JDL
DATE ISSUED:
● 04 MAR 2013

REVISIONS & ADDENDUM

A detailed map of the downtown area, showing the location of the new Bond Hall. The map includes labels for 'PARKING GARAGE', 'BOND HALL', 'C', 'WILSON', 'THIRD STREET', and 'THIRD STREET RAMP'. A north arrow points upwards.

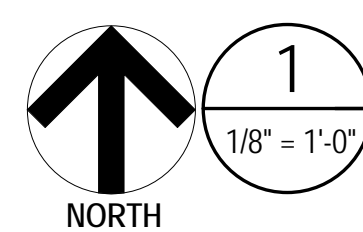
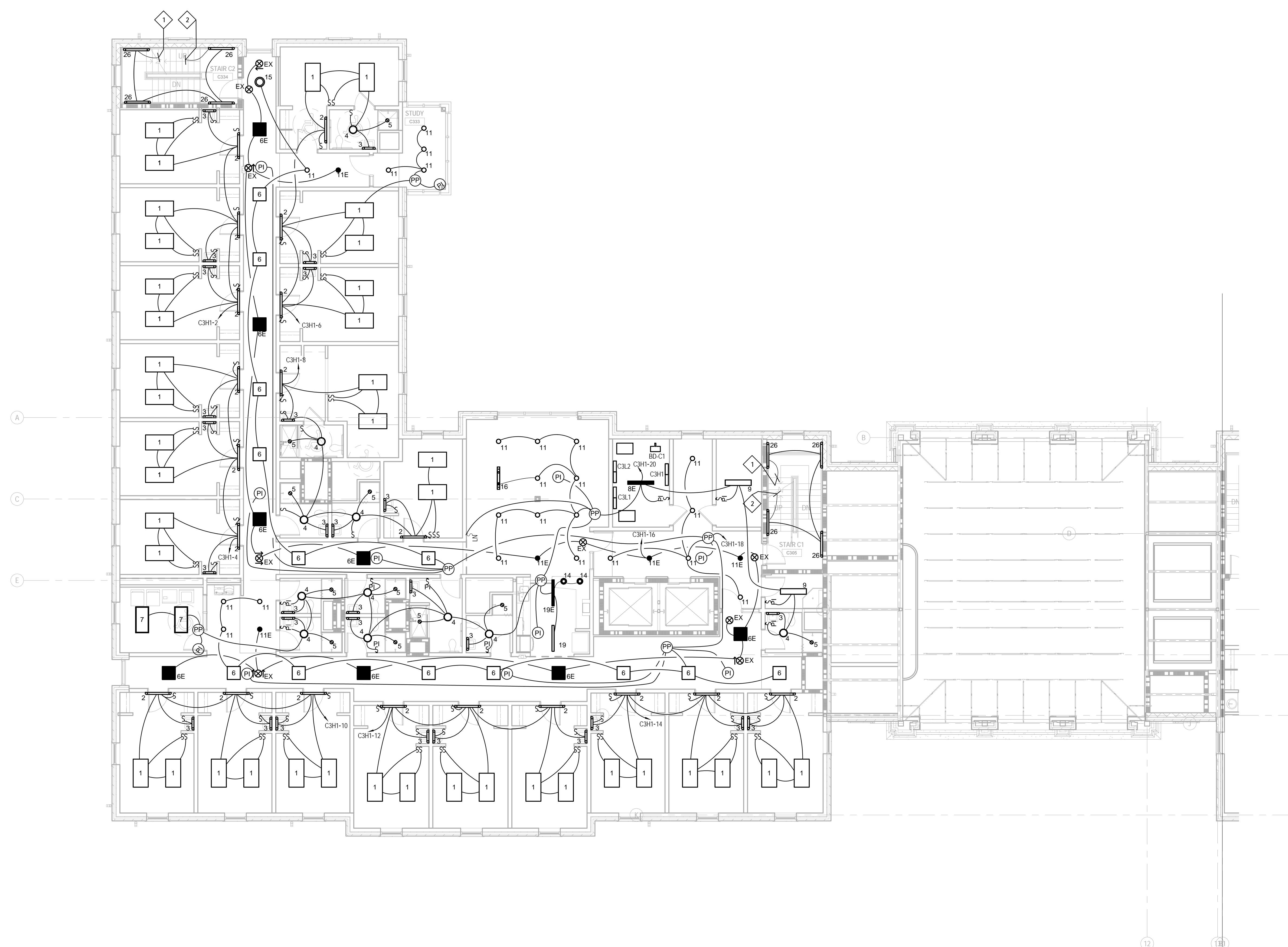
SHEET TITLE

BUILDING C -
THIRD FLOOR
LIGHTING PLAN

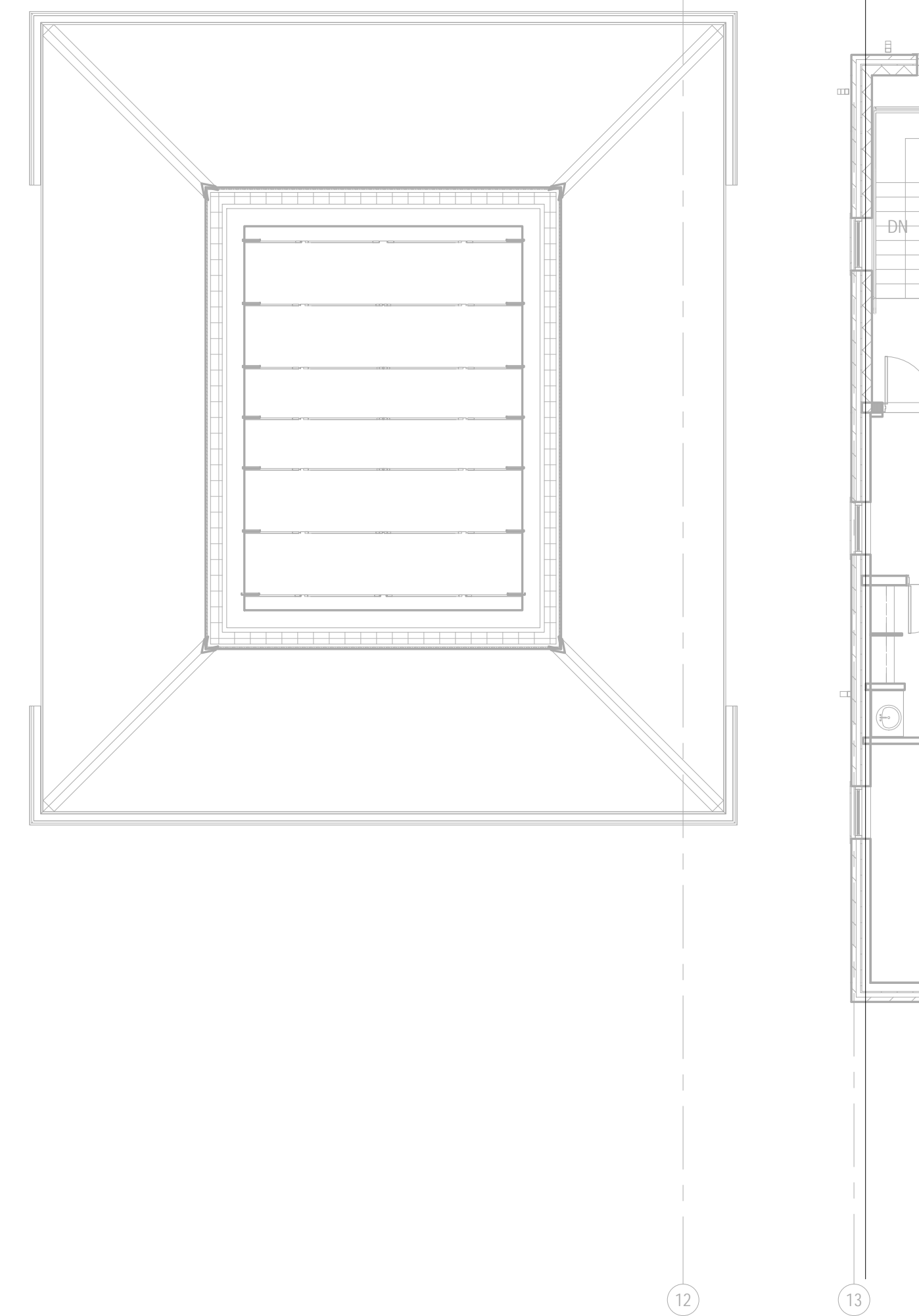
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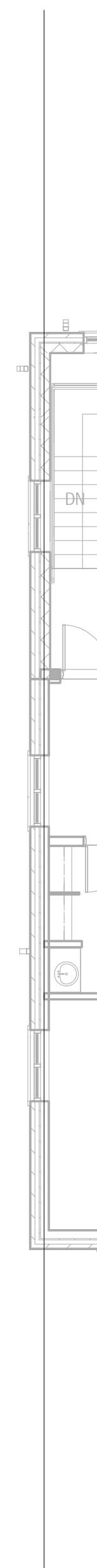
EL1030

441 of 458



BUILDING C - THIRD FLOOR LIGHTING PLAN

[illegible]



Plot Date: BID DOCUMENTS - 04 MAR 2013

- 1 THE PUBLIC ADDRESS HEAD-END SYSTEM SHALL BE INTERCONNECTED THROUGH THE TELEPHONE SYSTEM VIA AN ITCH BACK BOX TO PROVIDE FOR MASS NOTIFICATION PAGE FROM OUTSIDE THIS BUILDING.
- 2 PROVIDE (2) 4' CONDUIT FROM ACCESS CONTROL ROOM TO ROOM 400 CORNER OF EACH FLOOR. TYP. FOR EACH FLOOR 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 ITCH. ITCH WILL TERMINATE CABLE FROM SPEAKERS AS REQUIRED.
- 5 PROVIDE 2 CONDUIT FROM 4" ABOVE FINISHED CEILING TO 18" A.F.F. AND TERMINATE IN 6"x6"x6" DEEP JUNCTION BOX FOR PUBLIC ADDRESS SYSTEM CABLEING. CONTRACTOR TO LEAVE 6" CABLE CUBING AT BOX FOR TERMINATION BY ITCH.
- 6 DATA DROP FOR FIRE ALARM SYSTEM TRANSMISSION TO BOND HALL. - SEE SPECIFICATION SECTION 283111-2.9 (B) 10.
- 7 FIRE ALARM FIRE PROTECTION TO MOOD FIRE PROTECTION SYSTEM FIRE PROTECTION SYSTEM WILL SHUNT-TRIP RANCE.
- 8 VOICE DATA CABLES TO DATA A126.
- 9 VOICE DATA CABLES TO DATA H1C18.
- 10 REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITH THIS ROOM. PROVIDE 4" 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 CABLEING FOR ELECTRIC MEETER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL. SEE RSEER DIAGRAM ON SHEET E008.
- 12 DATA CONNECTION FOR WATER AND GAS METER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

PROJECT TITLE

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

IDENTIFICAZIONE MICROBIOLOGICA

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020
DRAWN BY:
● DKH
CHECKED BY:
● JDL
DATE ISSUED:
● 04 MAR 20

REVISIONS & ADDENDUM

The site plan shows the layout of the University of Illinois at Chicago campus. A central vertical corridor, likely a transit line, runs through the center. To the left of this corridor are the 'PARKING GARAGE' and the 'BOND HALL'. To the right is a large building labeled 'A' with a hatched pattern, representing the new building. Below the main building is the 'MAIN BUILDING'. At the bottom of the plan is 'THIRD FLOOR'. Arrows indicate the direction of travel along the central corridor and towards the various buildings.

SHEET TITLE

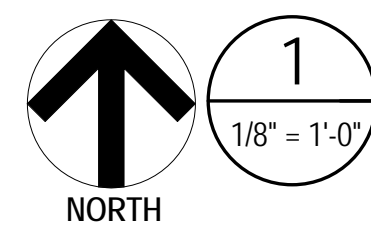
BUILDING
FIRST FLOOR
SYSTEMS PLAN

SHEET NUMBER

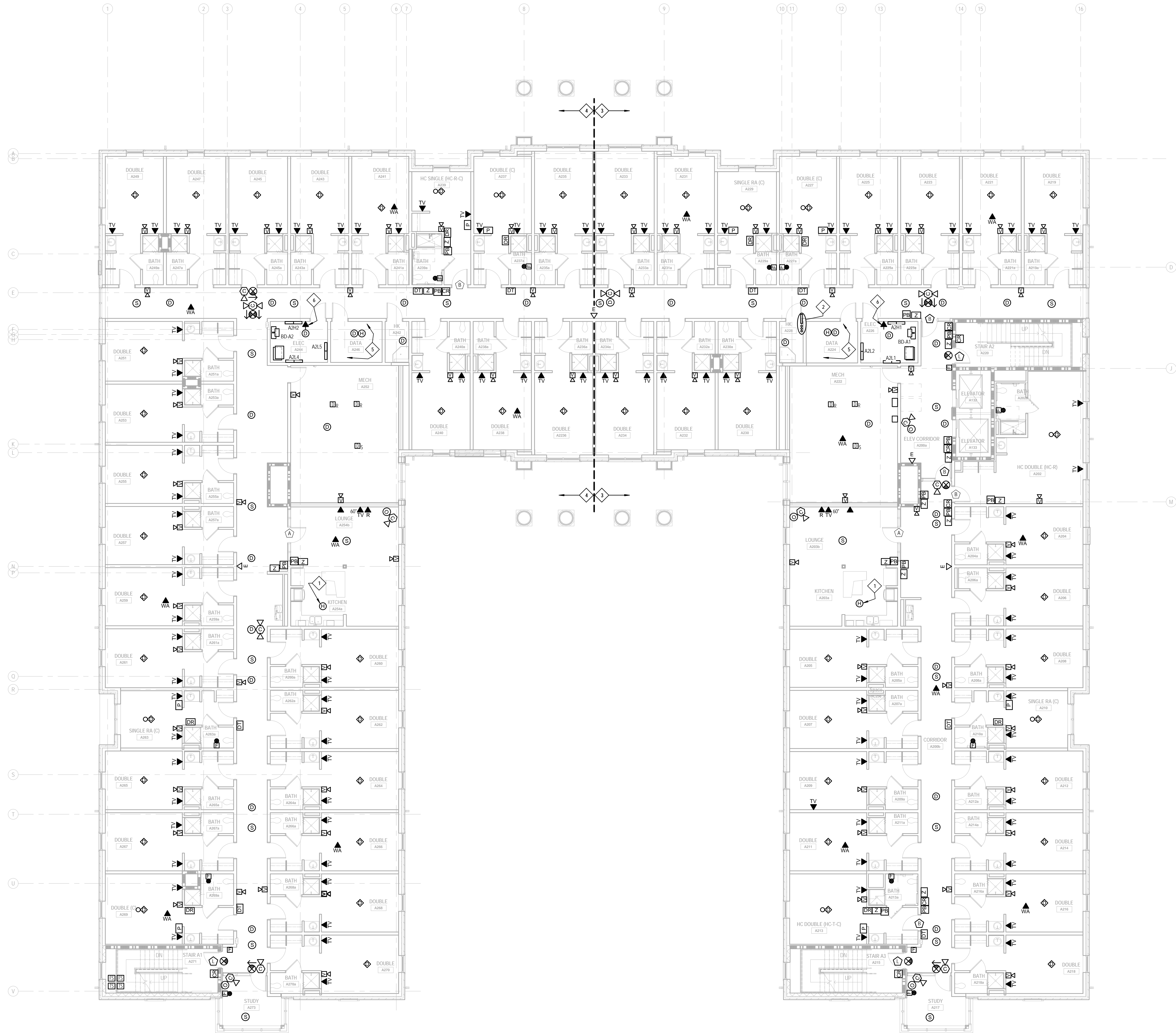
EY101A

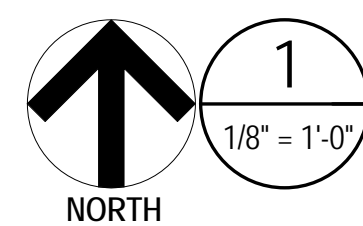
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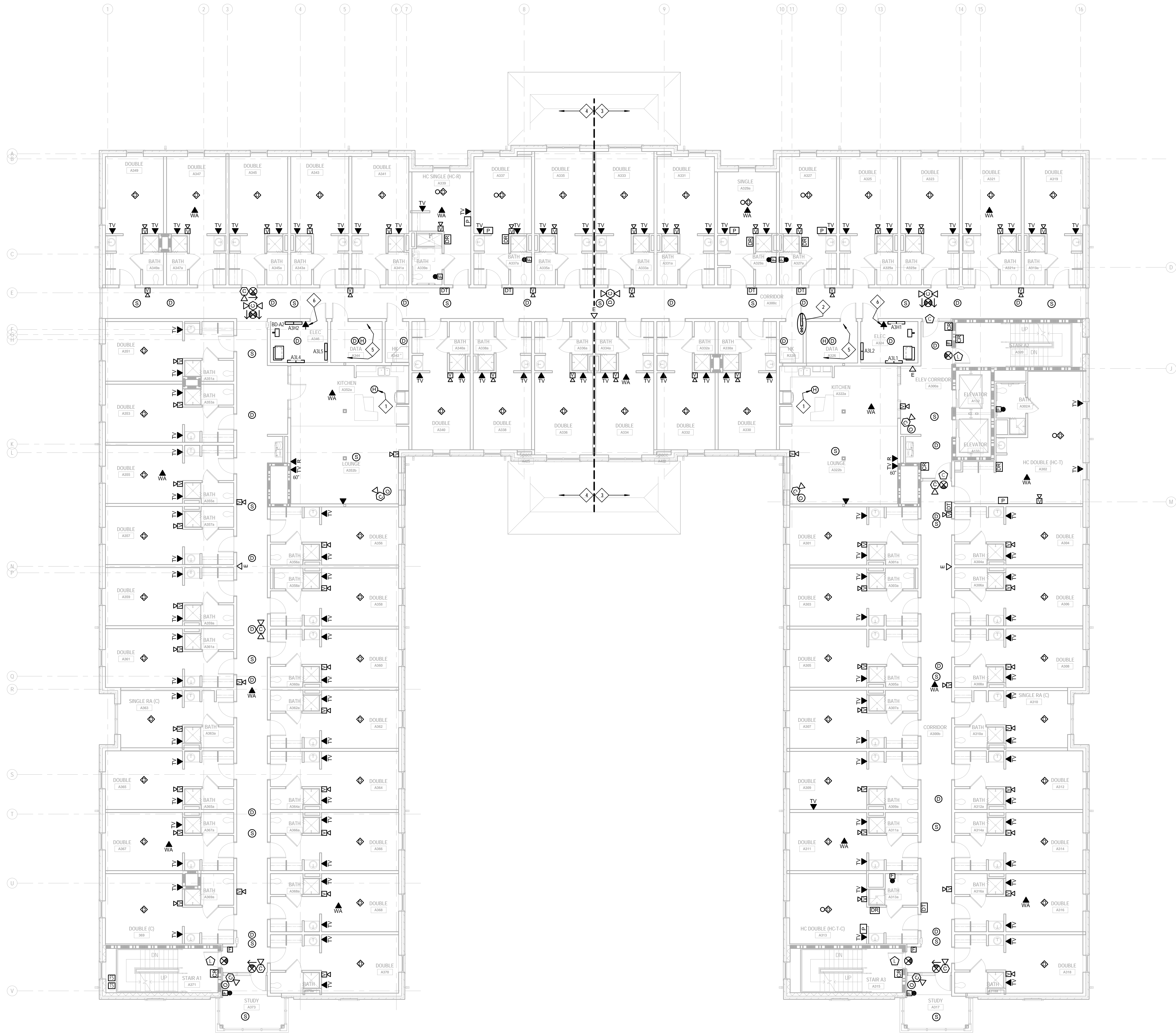


BUILDING A - SECOND FLOOR SYSTEMS PLAN

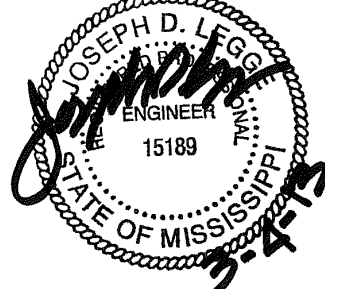




BUILDING A - THIRD FLOOR SYSTEMS PLAN



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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.

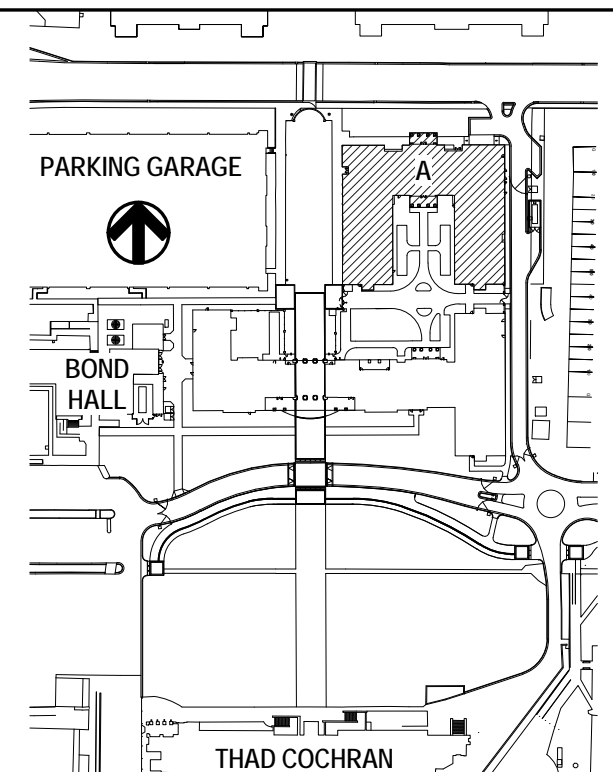
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

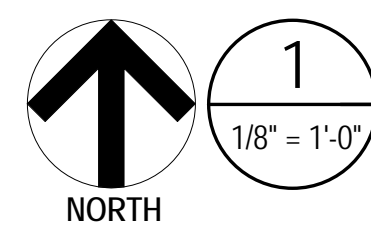
REVISIONS & ADDENDUMS	

KEY PLAN

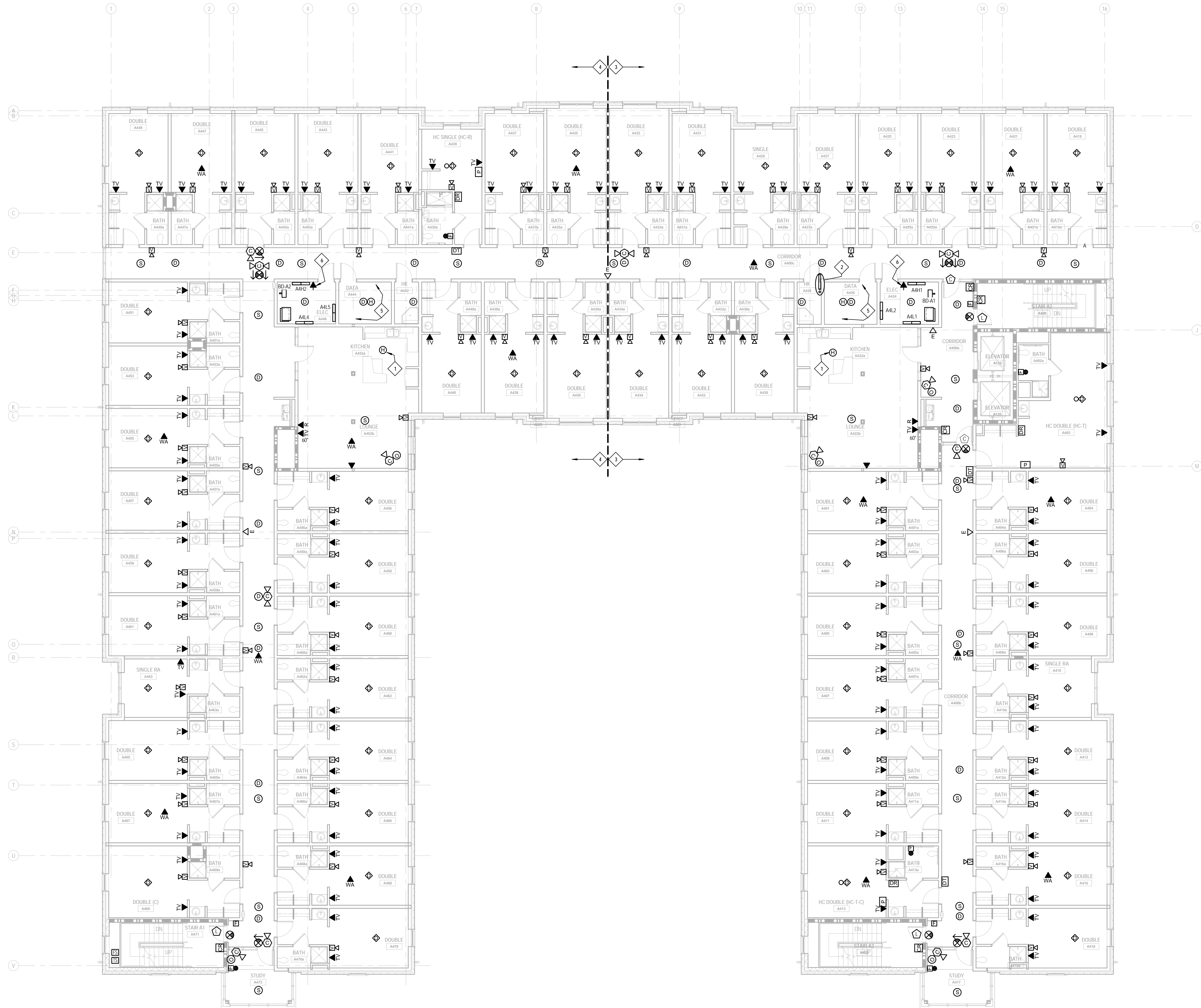


SHEET TITLE
BUILDING A -
THIRD FLOOR
SYSTEMS PLAN

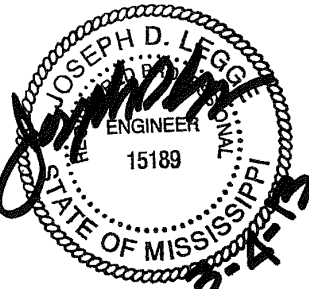
SHEET NUMBER
EY103A
446 of 458



BUILDING A - FOURTH FLOOR SYSTEMS PLAN



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120 Kessler Street
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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 E00B.

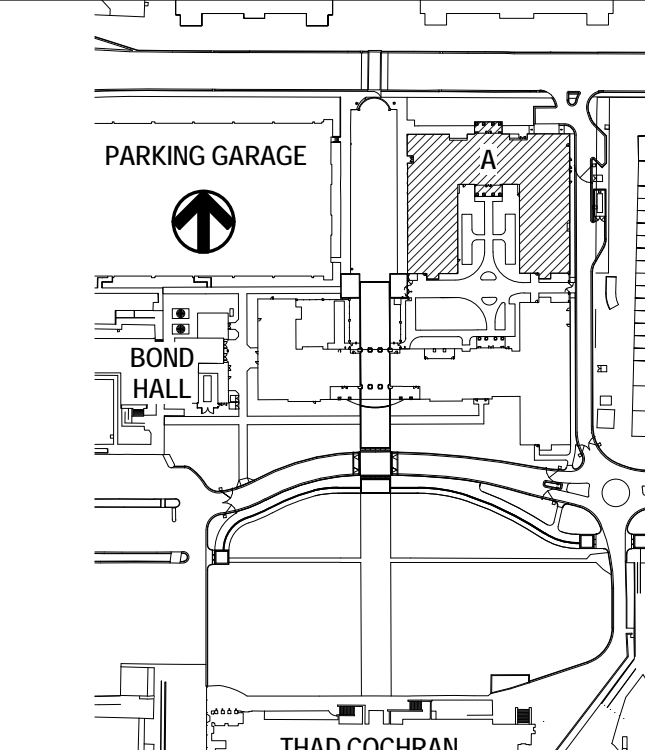
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL # 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
• 2012020
DRAWN BY:
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• 04 MAR 2013

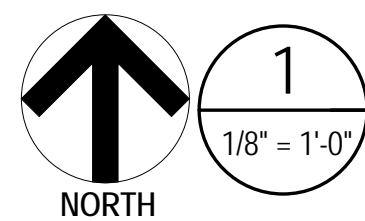
REVISIONS & ADDENDUMS	

KEY PLAN

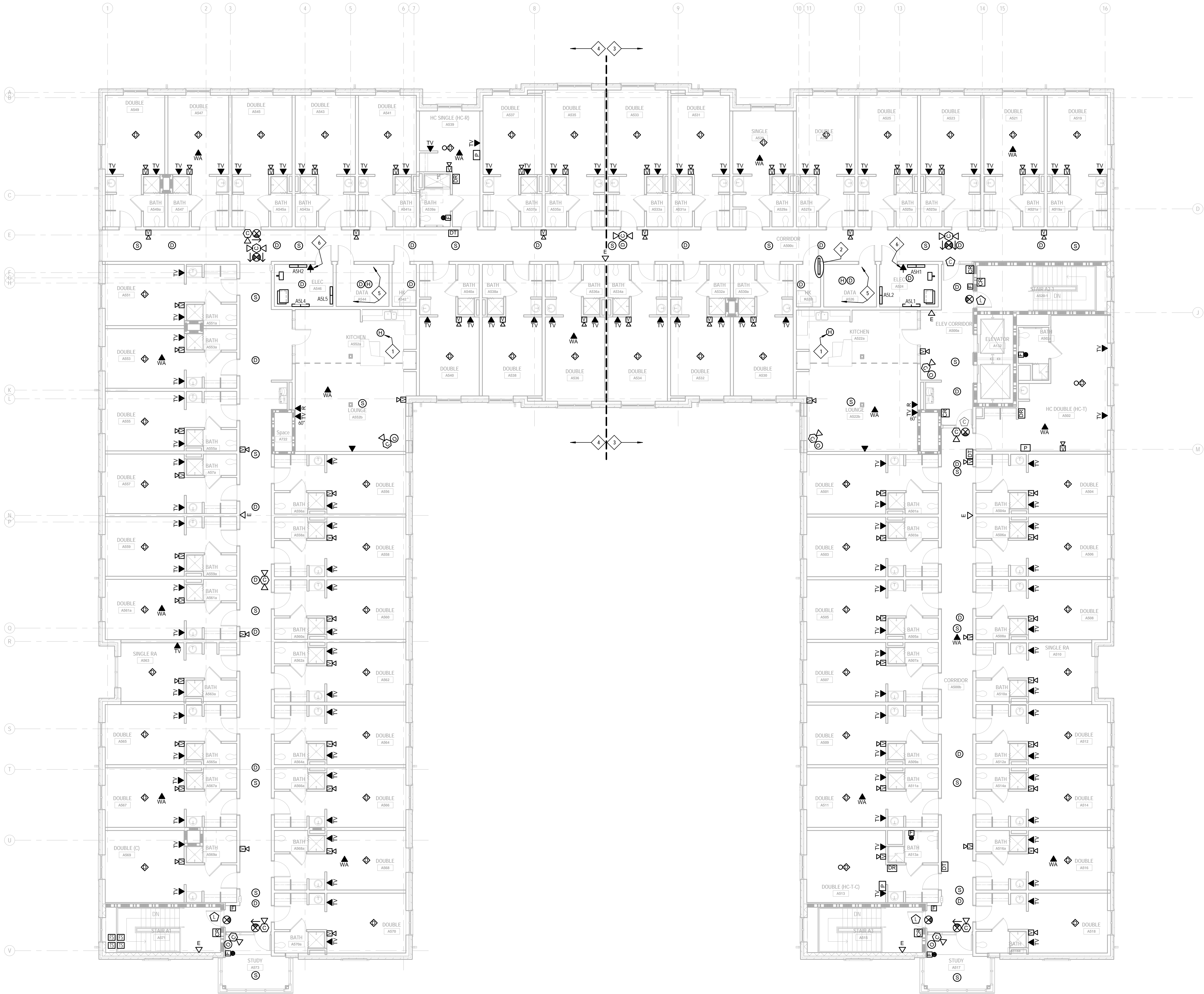


SHEET TITLE
BUILDING A -
FOURTH FLOOR
SYSTEMS PLAN

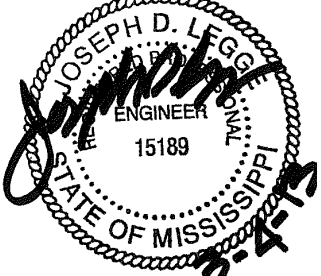
SHEET NUMBER
EY104A
447 of 458



BUILDING A - FIFTH FLOOR SYSTEMS PLAN



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KEYNOTES

- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN
- 2 (1) 4" CONDUIT UP FROM FOURTH FLOOR. STUB INTO CORRIDOR AS10 ABOVE CEILING.
- 3 VOICE / DATA CABLES TO DATA AS26.
- 4 VOICE / DATA CABLES TO DATA AS44.
- 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 CABLEING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008

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

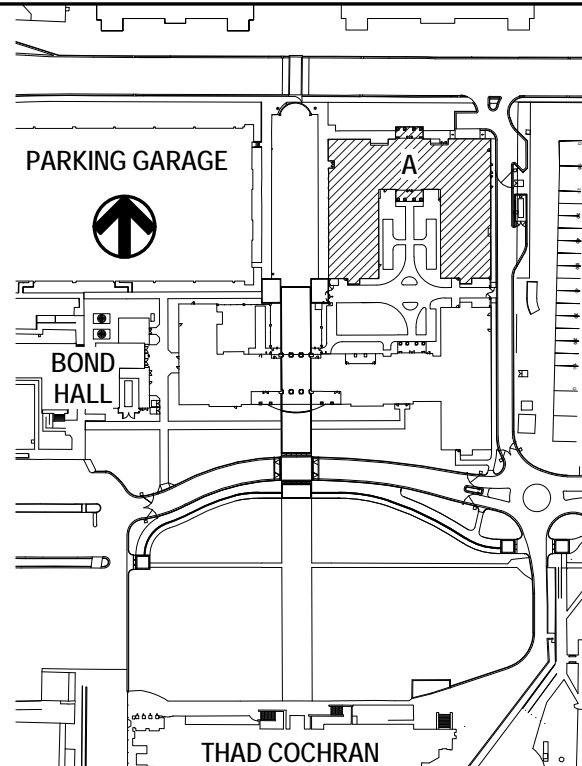
THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUMS

NO.	DESCRIPTION	DATE

KEY PLAN



SHEET TITLE
BUILDING A - FIFTH FLOOR
SYSTEMS PLAN

SHEET NUMBER
EY105A
448 of **458**

TELEPHONE:
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1	DATA CONNECTION FOR ELECTRIC KEY STORAGE UNIT.
2	PROVIDE (1) CONDUIT FROM ACCESS CONTROL ROOM TO ABOVE CORRIDOR CEILING ON EACH FLOOR. TYP. FOR FLOORS TWO THROUGH FIVE (5) CONDUITS TOTAL. CONTINUED ON SHEET EY102B, KEYNOTE 2.
3	HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVER THE PUBLIC ADDRESS HEAD END SYSTEM SHALL BE INTERCONNECTED THROUGH THE TEL. EXCHANGE SYSTEM VIA AN ITCH 'BLACK BOX' TO PROVIDE FROM MASS NOTIFICATION PAGE FROM OUTSIDE THIS BUILDING.
5	DATA DROP FOR FIRE ALARM SYSTEM TRANSMISSION TO BOND HUB. SEE SPECIFICATION SECTION 261111-2.9 (B) 10.
6	FIRE ALARM CONNECTION TO SHUNT-Trip PROTECTION SYSTEM FIRE PROTECTION SYSTEM WILL MOOD-Trip RING.
7	PROVIDE (1) 1/4" CONDUIT FROM EACH FLOOR BOY (SEE SHEET EY101B) 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 4 HIGH 18" WIDE CABLE TRAY ALONG PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 26050A FOR CABLE TRAY.
9	DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE ROSS DIAGRAM SHEET 1000.
10	DATA CONNECTION FOR WATER AND GAS METER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

PROJECT TITLE
USM -
IHL# 2

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● JDL
DATE ISSUED:
● 04 MAR 2013

REVISIONS & ADDENDUM

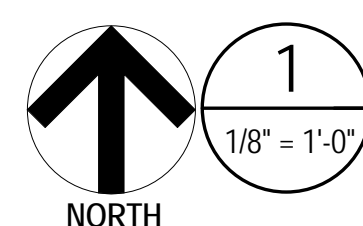
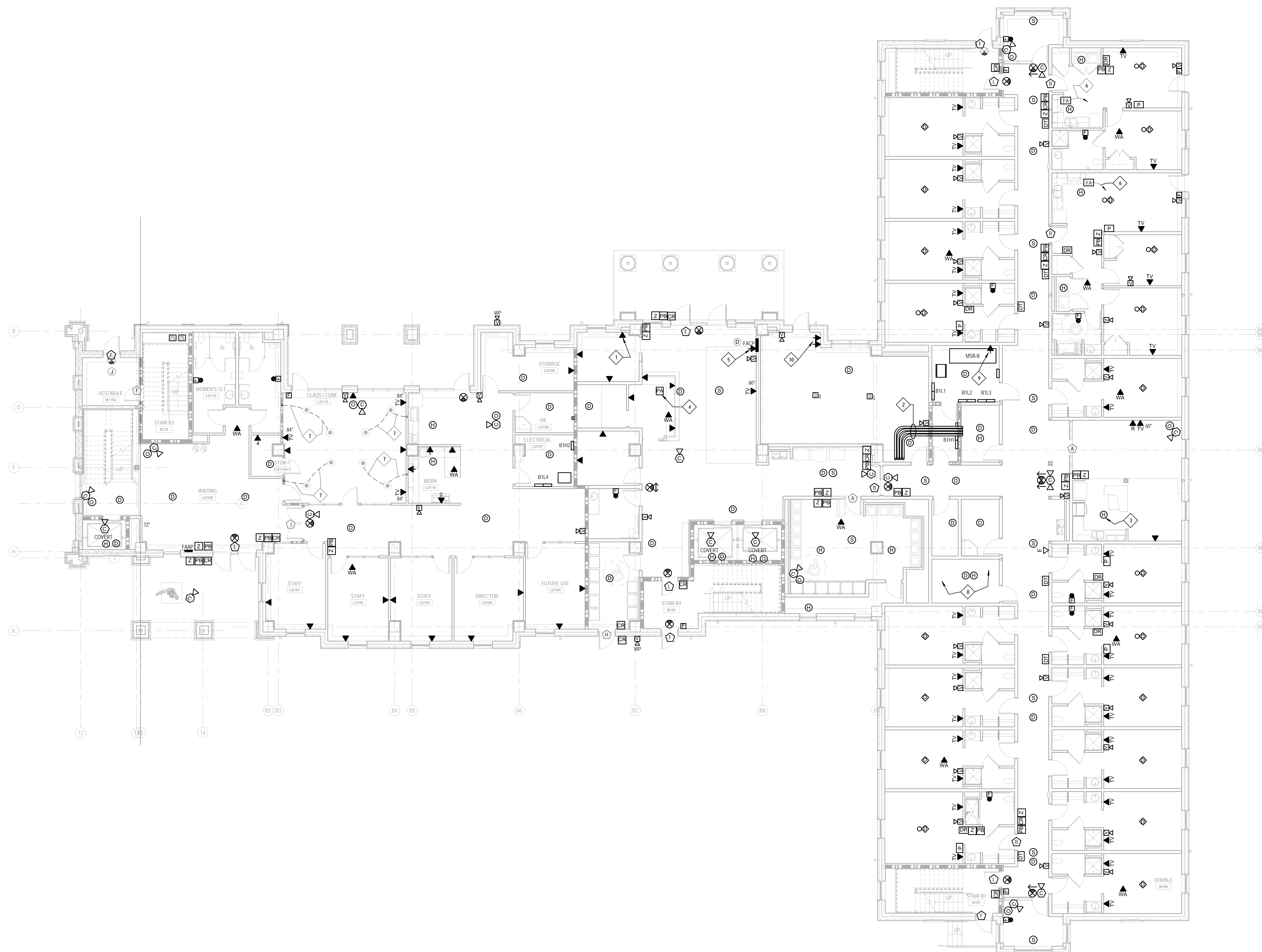
SHEET TITLE

BUILDING B -
FIRST FLOOR
SYSTEMS PLAN

SHEET NUMBER

EY101R

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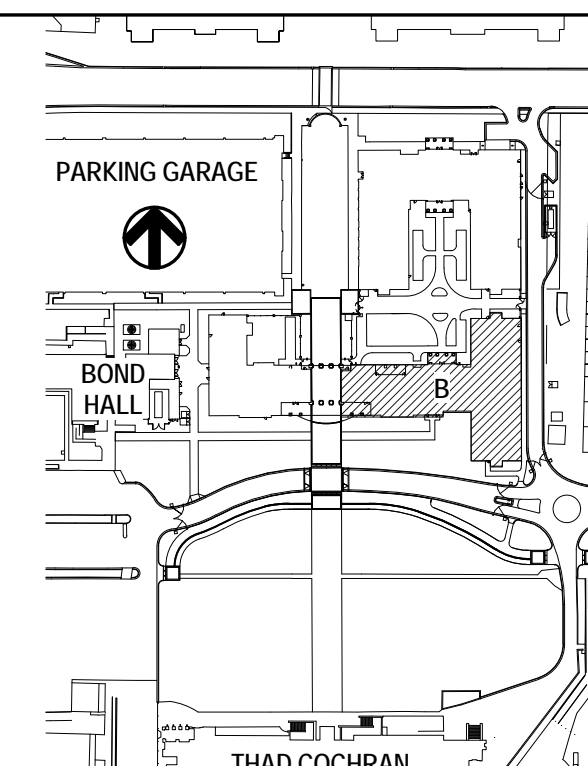


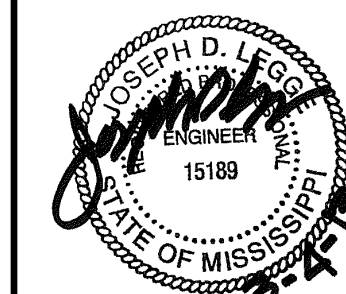
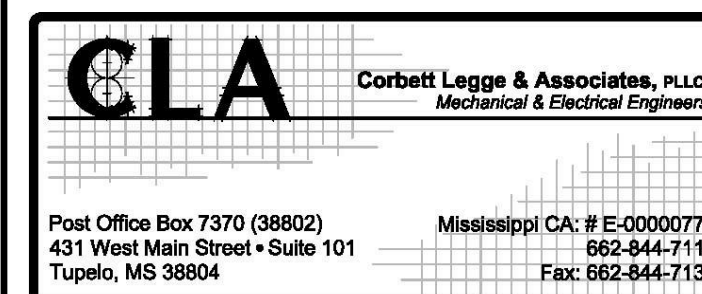
BUILDING B - FIRST FLOOR SYSTEMS PLAN



- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
- 2 (4) 4" CONDUTITS UP FROM ACCESS CONTROL ROOM B123. (1) CONDUTIT TO STUB INTO CORRIDOR B200 ABOVE CEILING. (3) CONDUTITS TO CONTINUE TO THIRD FLOOR. SEE KEYNOTE 2 ON SHEET Y103B.
- 3 REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 6" HIGH X 18" WIDE CABLE TRAY ALONG PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260306 FOR CABLE TRAY.
- 4 DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USHA ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E00B.

KEY PLAN





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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 STUD IN CORRIDOR 8300 ABOVE CEILING. (2) CONDUITS TO CONTINUE TO FOURTH FLOOR. SEE KEYNOTE 2 ON SHEET EY10AB.
- 3 REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITH THIS ROOM. PROVIDE 6" HIGH x 18" WIDE CABLE TRAY ALONG PERIMETER OF ROOM MOUNTED AT 7'-0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 260636 FOR CABLE TRAY.
- 4 DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

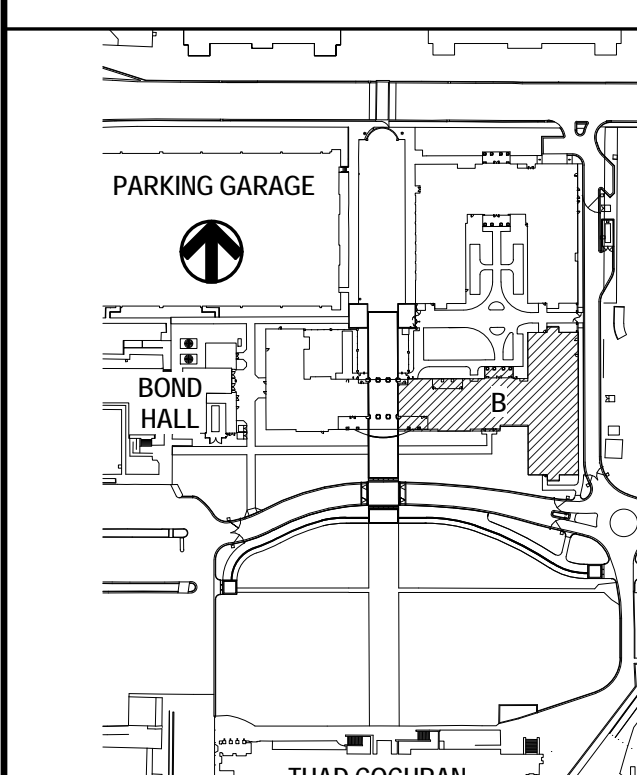
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUM

KEY PLAN



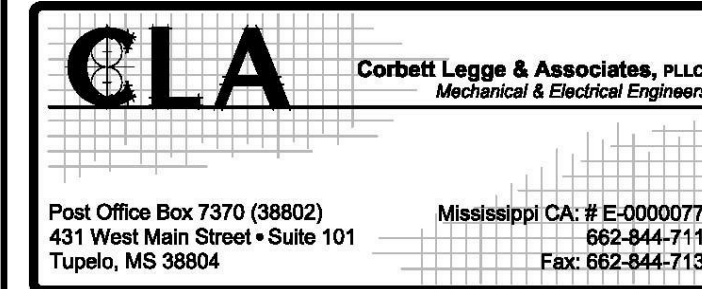
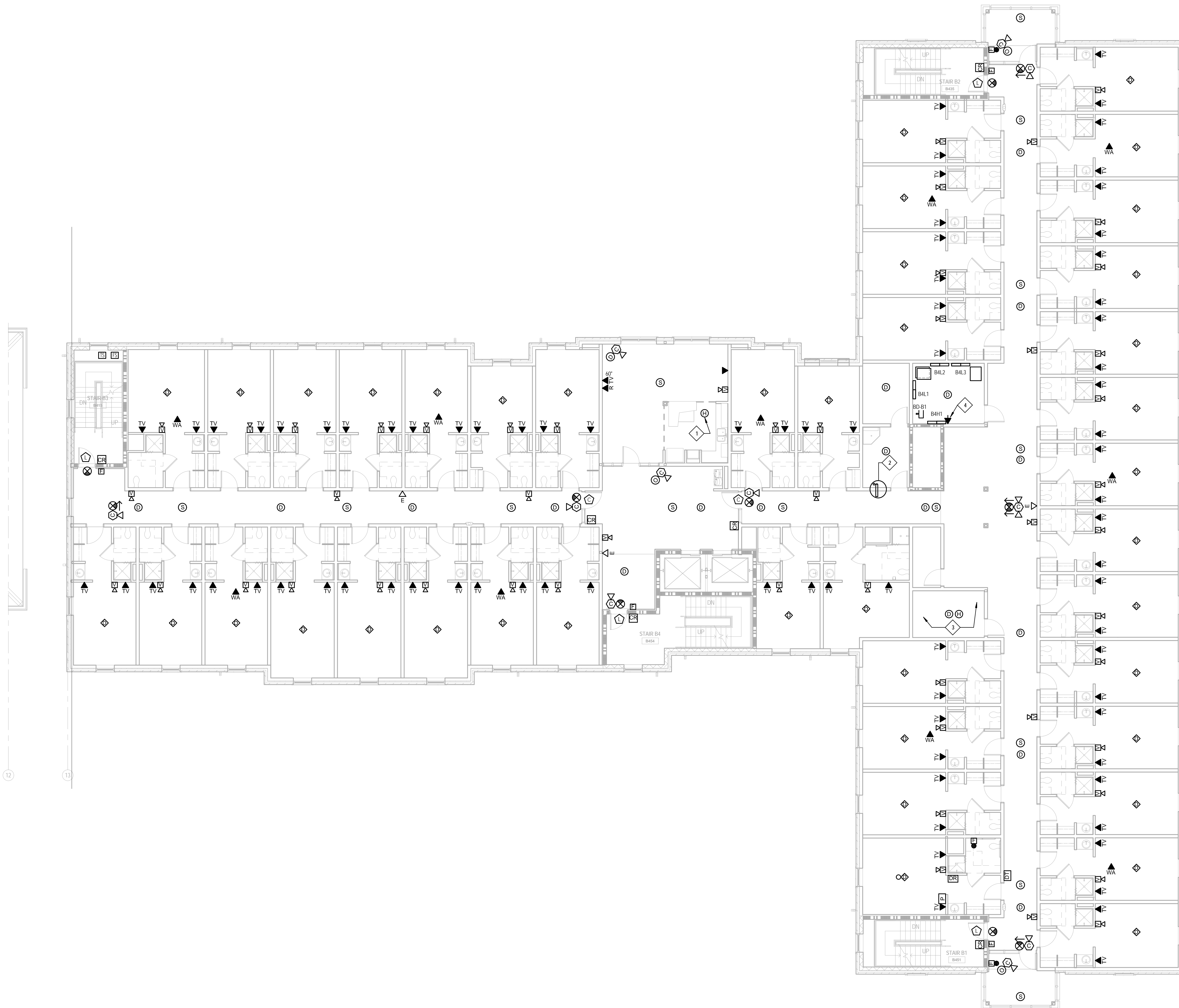
SHEET TITLE

BUILDING B -
THIRD FLOOR
SYSTEMS PLAN

SHEET NUMBER

EY103E

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KEYNOTES

- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVER.
- 2 (2) 4" CONDUITS UP FROM THIRD FLOOR: (1) CONDUIT TO STUB INTO CORRIDOR BAYO ABOVE CEILING. (1) CONDUIT TO CONTINUE TO FIFTH FLOOR. SEE KEYNOTE 2 ON SHEET EY108.
- 3 REFER TO SPECIFICATION SECTION 271100 FOR EQUIPMENT WITH THIS ROOM. PROVIDE 6" HIGH X 18" WIDE GLASS 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.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

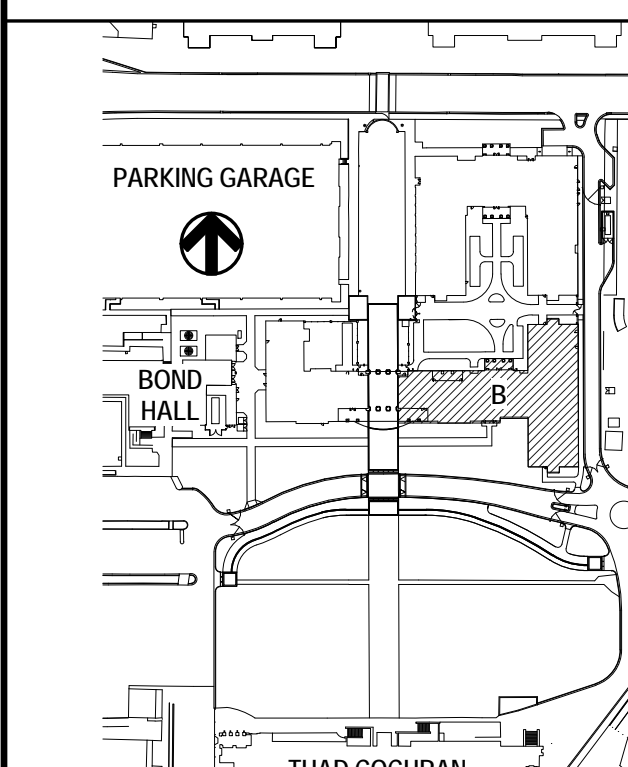
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
● 2012020
DRAWN BY:
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CHECKED BY:
● JDL
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● 04 MAR 2013

REVISIONS & ADDENDUM

KEY PLAN



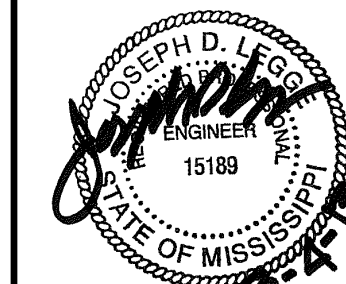
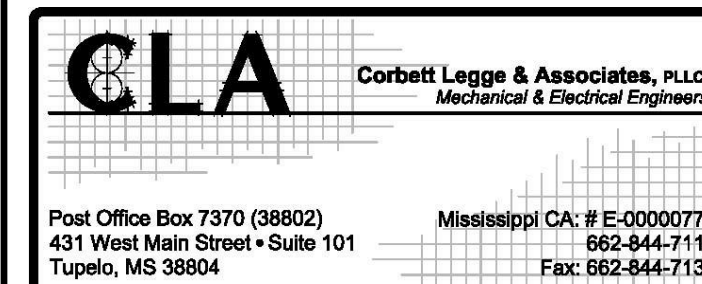
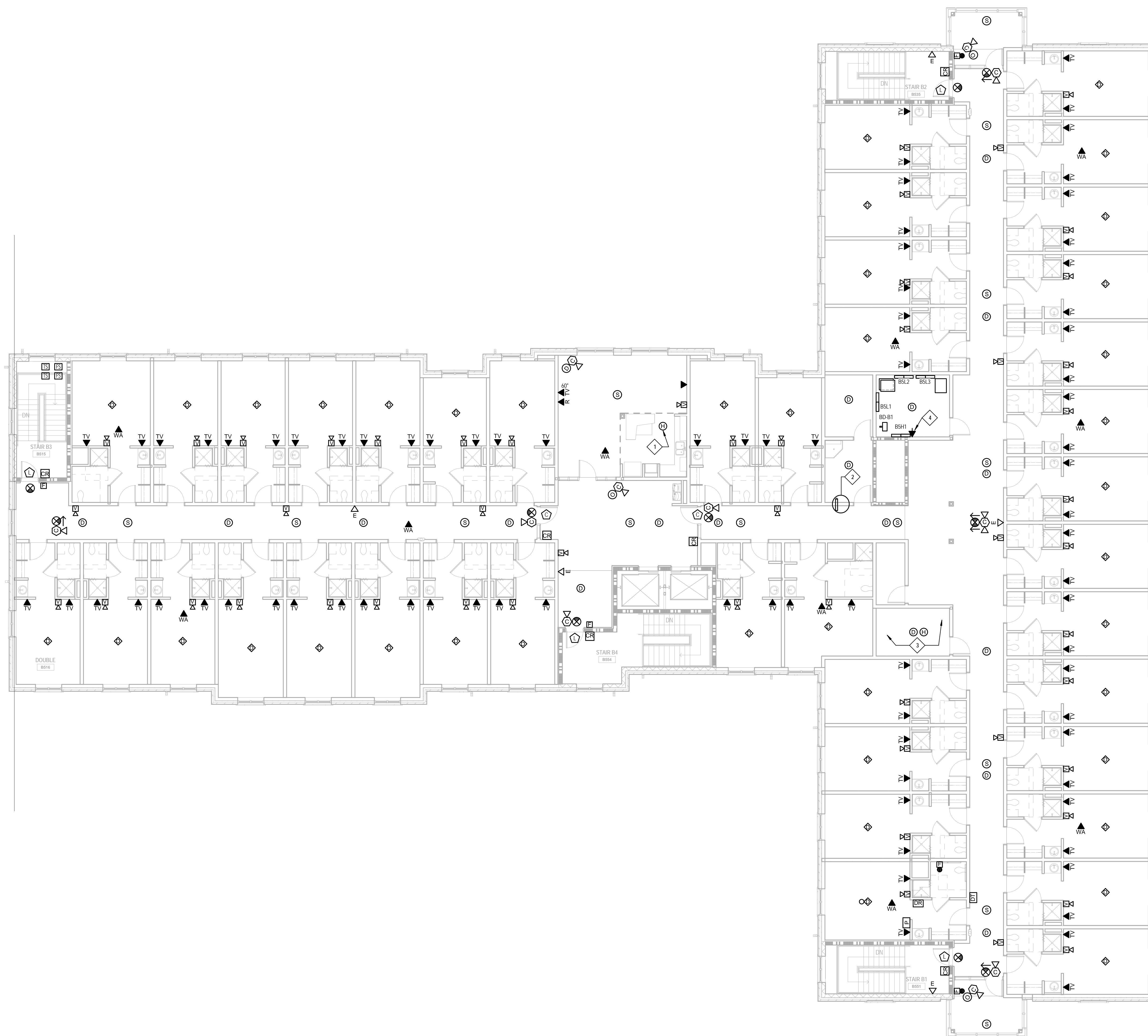
SHEET TITLE

BUILDING E
FOURTH FLO
SYSTEMS PL

SHEET NUMBER

EY104B

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KEYNOTES

- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
- 2 (1) 4' CONDUIT UP FROM FOURTH FLOOR. CONDUIT TO STUB INTO CORRIDOR 8500 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 260506 FOR CABLE TRAY.
- 4 DATA CABLING FOR ELECTRIC METER. COORDINATE EXACT REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E08.

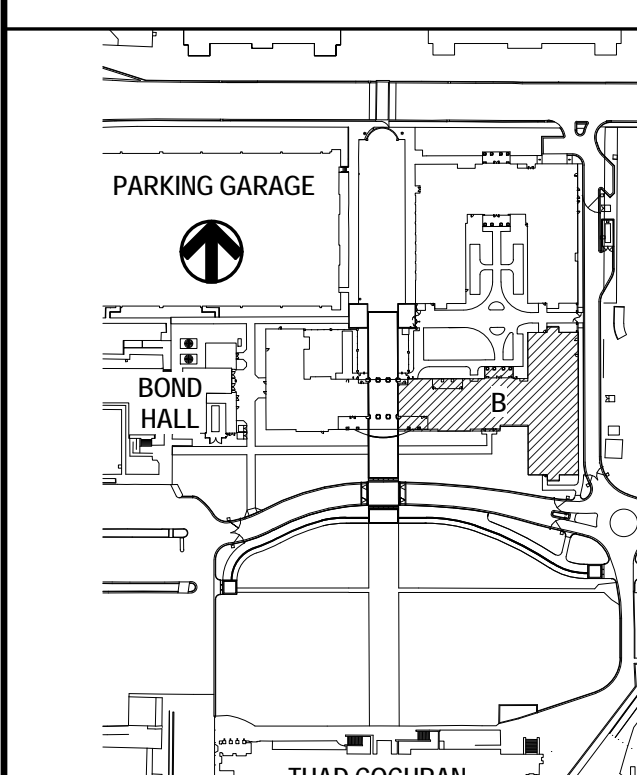
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

PROJECT NO:
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DRAWN BY:
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DATE ISSUED:
● 04 MAR 2013

REVISIONS & ADDENDUMS

KEY PLAN



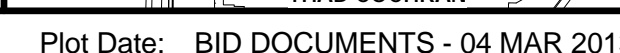
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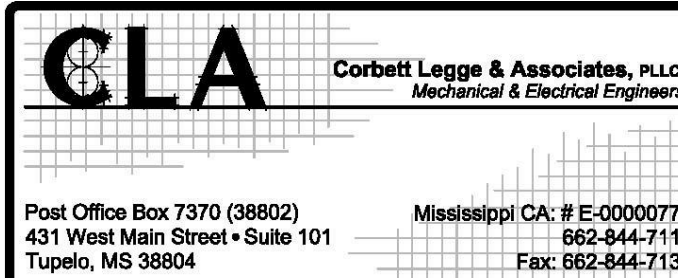
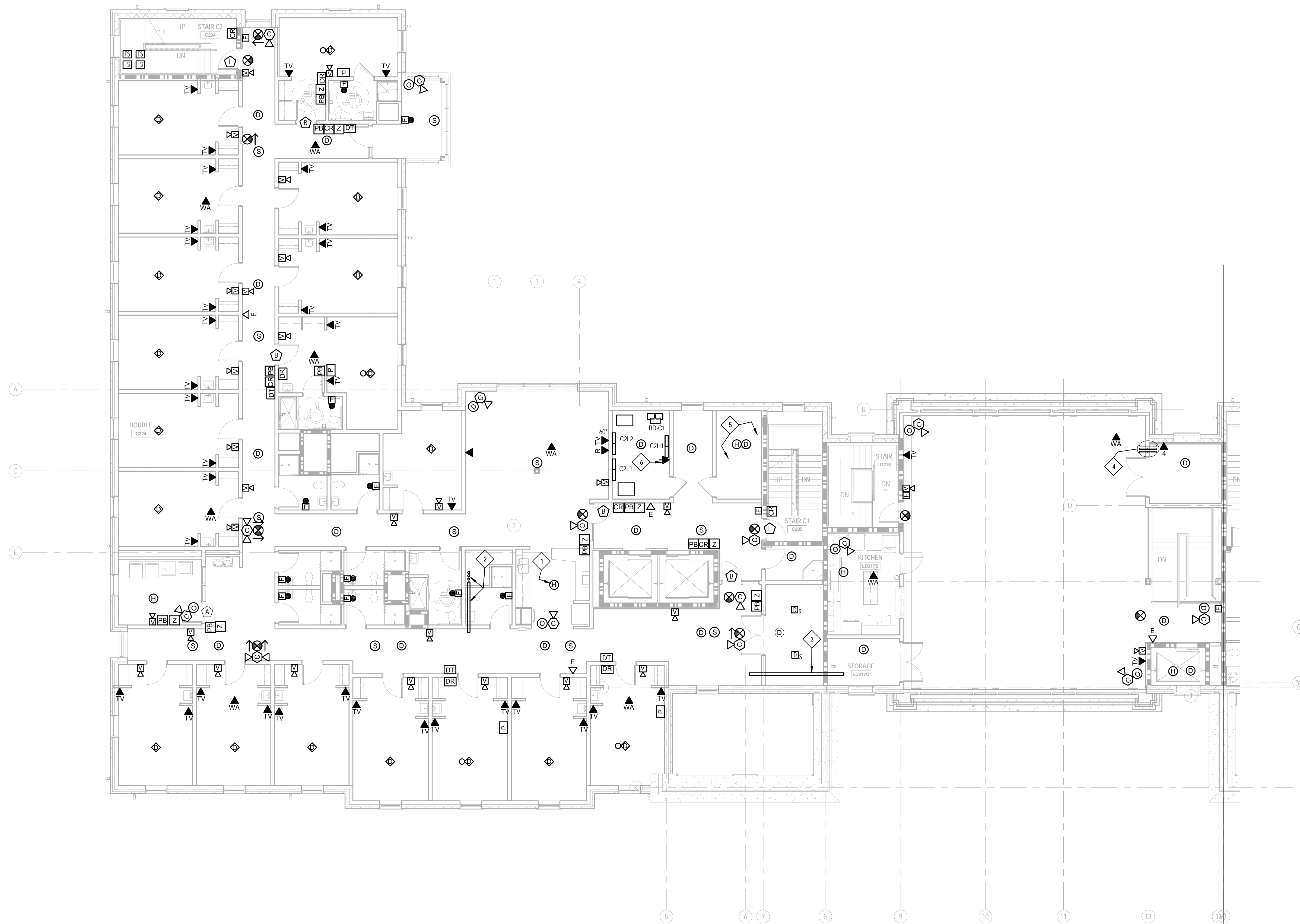
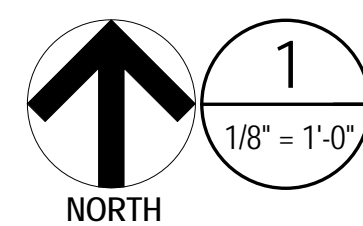
BUILDING B -
FIFTH FLOOR
SYSTEMS PLAN

SHEET NUMBER

EY105B

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KEYNOTES

- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
 - 2 (H) 4" CONDUTIS UP FROM ACCESS CONTROL ROOM C115. (T) CONDUT TO STUB INTO CORRIDOR 200 ABOVE CEILING. CONDUTS TO CONTINUE TO THIRD FLOOR. SEE KEYNOTE 2 ON SHEET EY103.
 - 3 PROVIDE (1) 4" CONDUT FROM ABOVE ACCESSIBLE CEILING IN CORRIDOR 200a TO ABOVE ACCESSIBLE CEILING IN STORAGE LD212C. COORDINATE LOCATION WITH MECHANICAL AND PLUMBING COMPONENTS ABOVE CEILING.
 - 4 PROVIDE (2) 4" CONDUT ROUTED FROM STORAGE LD217A UP IN WALL TO ABOVE ACCESSIBLE CEILING IN MULTI-PURPOSE LD217.
- REFER TO SPECIFICATION SECTION 2711-10 FOR EQUIPMENT WITHIN THIS ROOM. PROVIDE 7' HIGH 18" WIDE CABINET AND 40" DEEP PARTITION OF ROOM MOUNTED AT 7' 0" ABOVE FINISH FLOOR. SEE SPECIFICATION SECTION 2653/6 FOR CABINET TRAY.
- 5 DATA CABLING FOR ELECTRIC METER. COORDINATE EXIST REQUIREMENTS WITH USU ELECTRICAL DEPARTMENT. SEE DATA ROOM SHEET EY008.

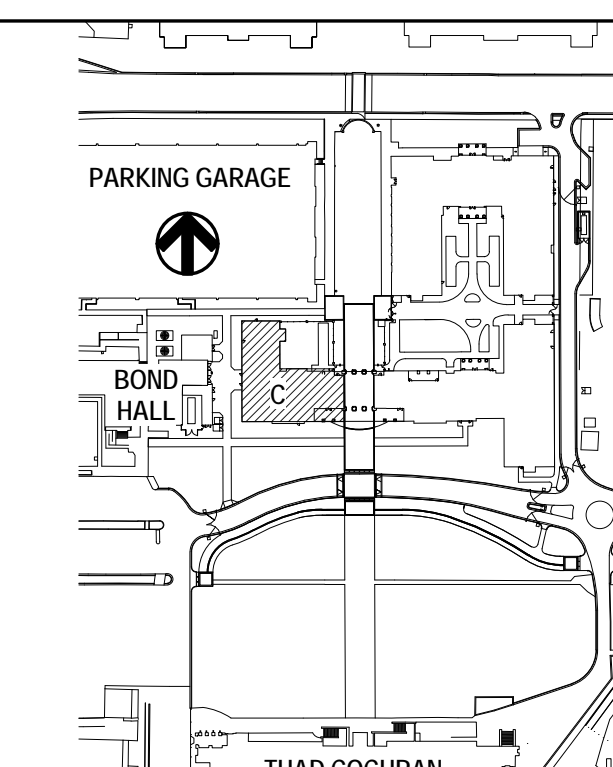
PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

REVISIONS & ADDENDUMS

KEY PLAN



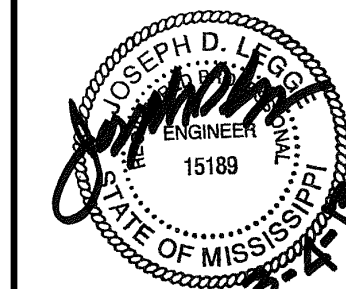
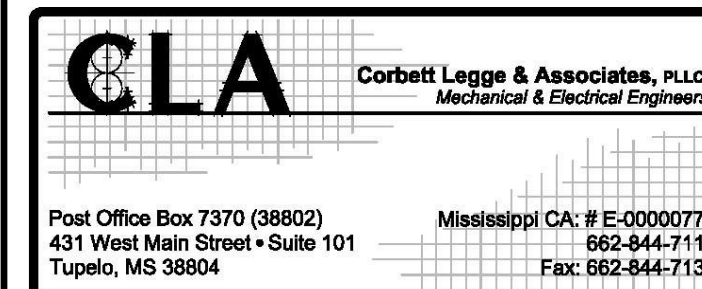
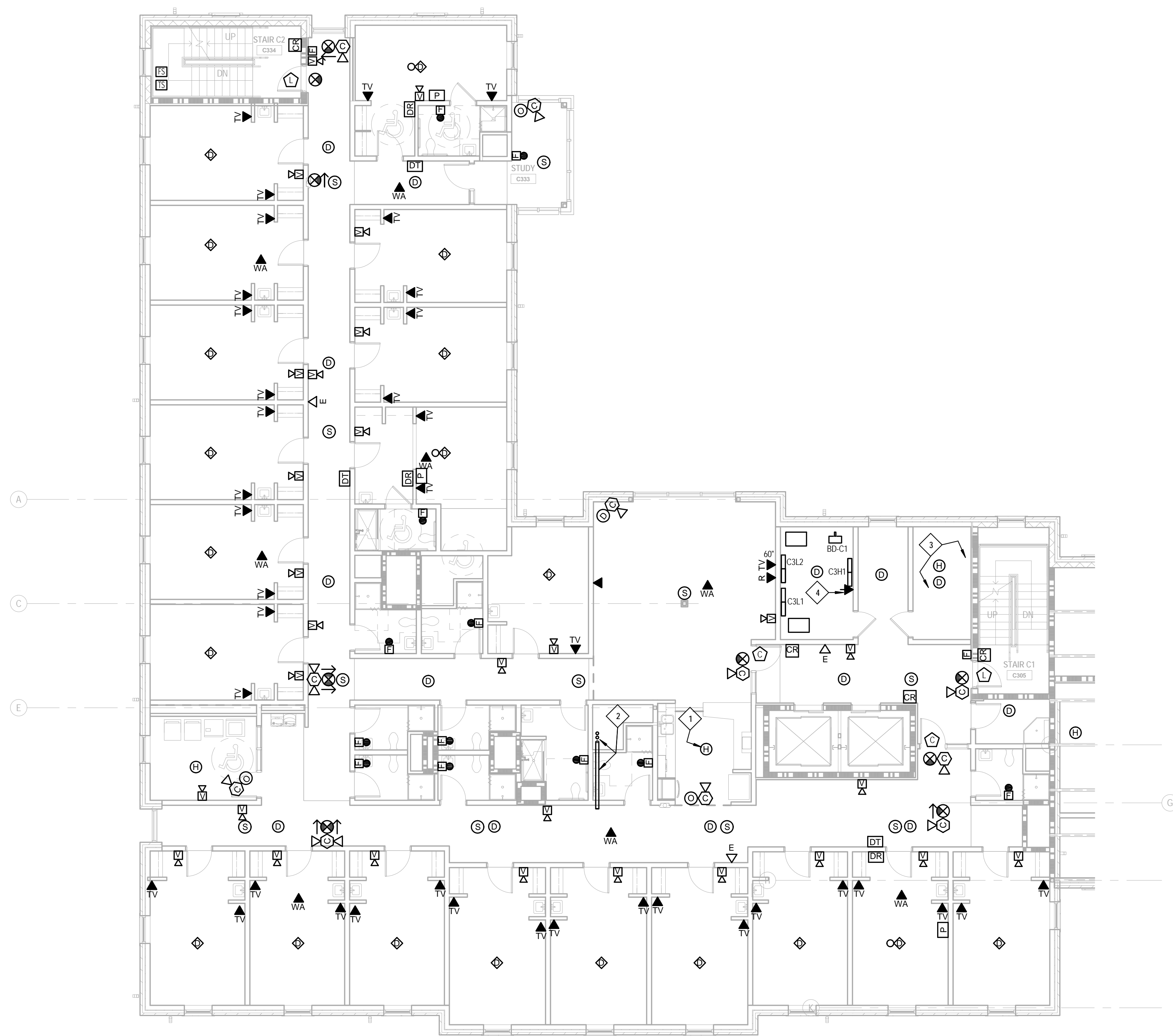
SHEET TITLE

BUILDING C -
SECOND FLOOR
SYSTEMS PLAN

SHEET NUMBER

EY102C

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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 MECH. COORDINATE EXIST REQUIREMENTS WITH USM ELECTRICAL DEPARTMENT. SEE RISER DIAGRAM ON SHEET E008.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

THE UNIVERSITY OF
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MISSISSIPPI

PROJECT NO:
● 2012020

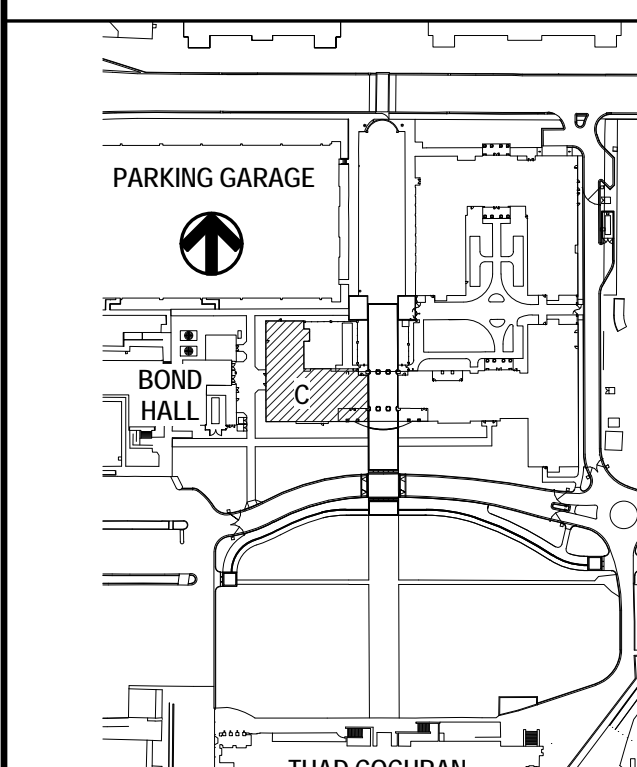
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● 04 MAR 2013

REVISIONS & ADDENDUM

KEY PLAN



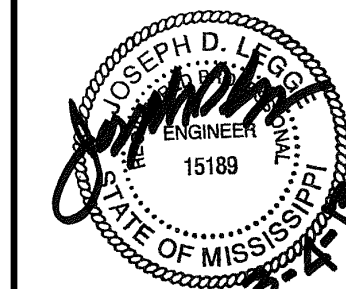
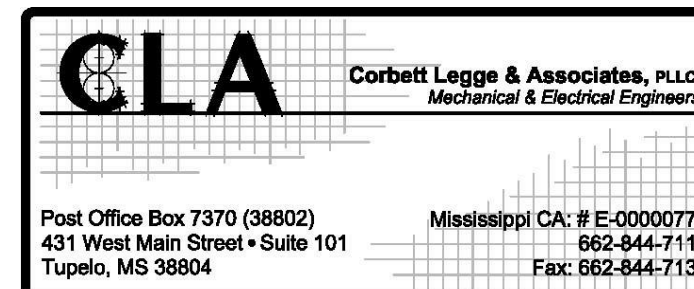
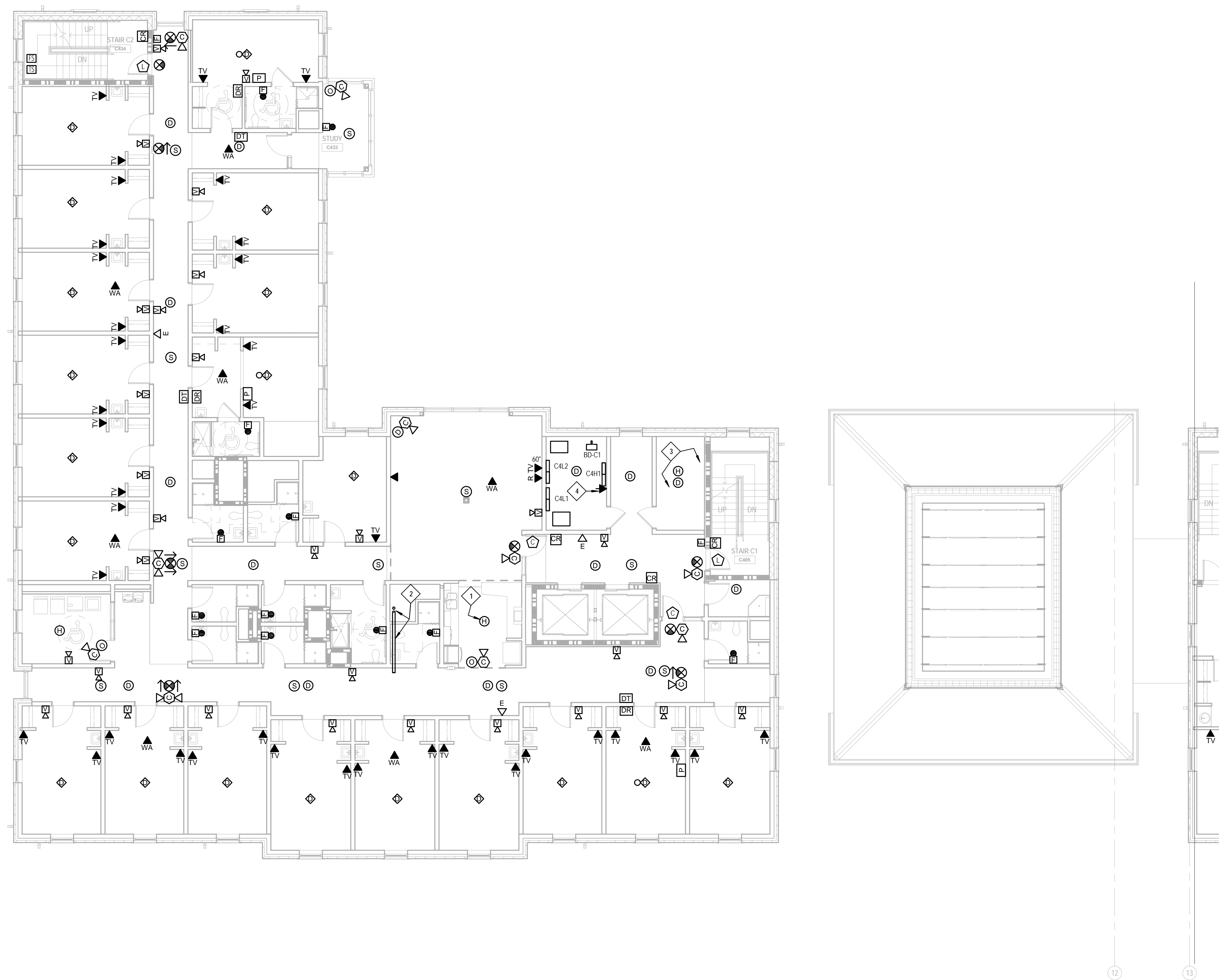
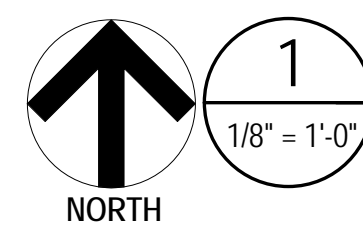
SHEET TITLE

BUILDING C -
THIRD FLOOR
SYSTEMS PLAN

SHEET NUMBER

EY1030

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KEYNOTES

- 1 HEAT DETECTOR TO ACTIVATE SHUNT-TRIP BREAKER SERVING OVEN.
- 2 (2) 4" CONDUITS UP FROM THIRD FLOOR. (1) CONDUIT TO STUB IN CORRIDOR C400 ABOVE CEILING. (1) CONDUITS TO CONTINUE TO FIFTH FLOOR. SEE KEYNOTE Z ON SHEET EY05C.
- 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.

PROJECT TITLE
USM - CENTURY PARK SOUTH
IHL# 208-297

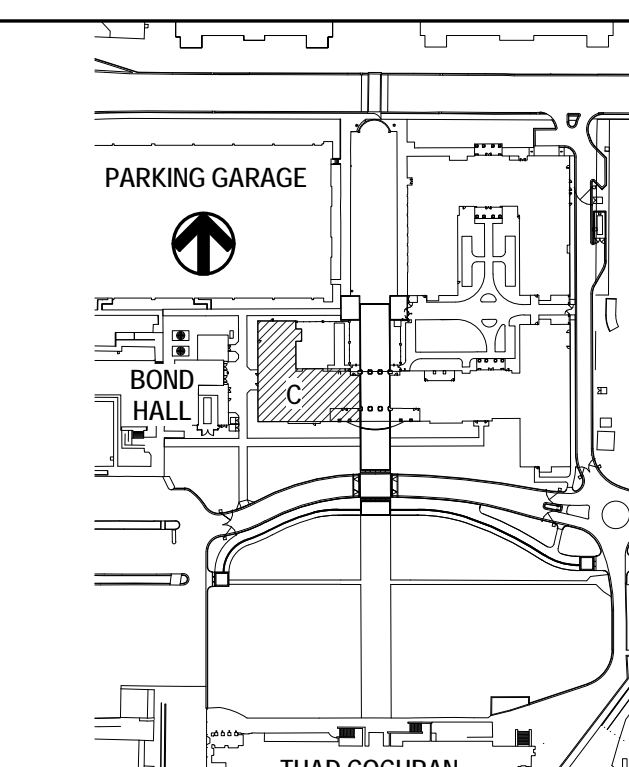
HATTIESBURG, MISSISSIPPI

THE UNIVERSITY OF
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MISSISSIPPI

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

REVISIONS & ADDENDUM

KEY PLAN



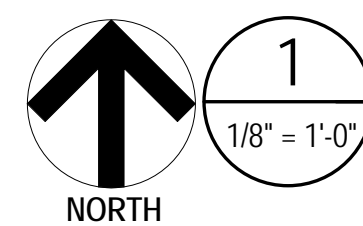
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BUILDING C
FOURTH FLOOR
SYSTEMS PLAN

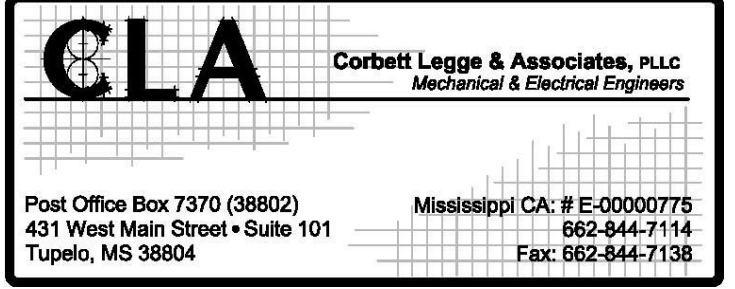
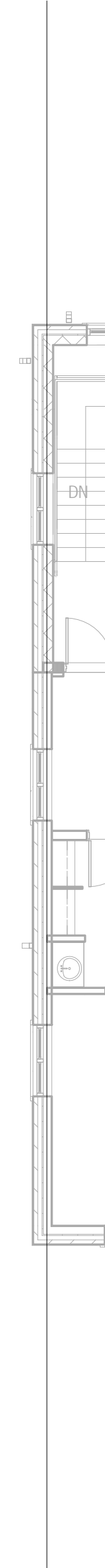
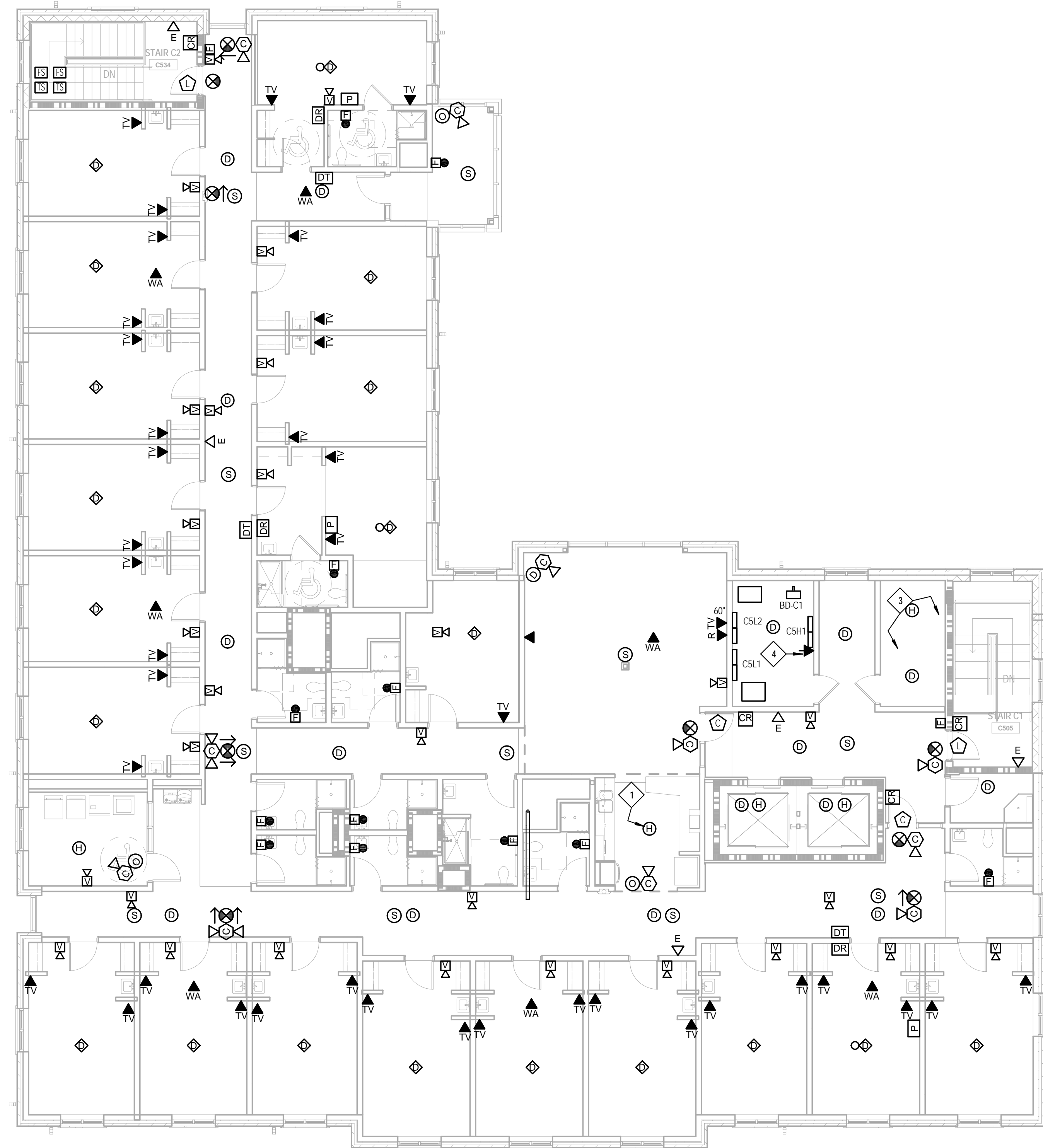
SHEET NUMBER

EY104C

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BUILDING C - FIFTH FLOOR SYSTEMS PLAN



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DESIGN GROUP, P.A.

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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.

USM - CENTURY PARK SOUTH
IHL# 208-297

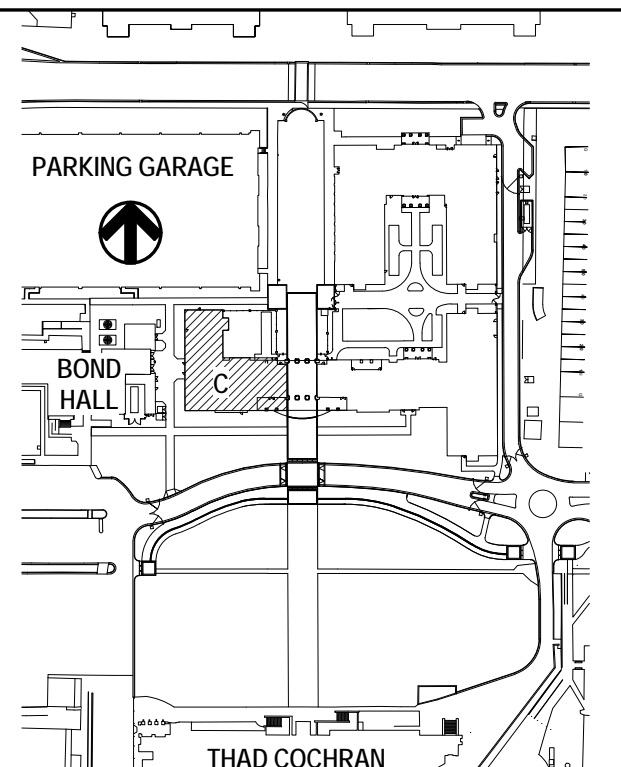
HAI IESBURG, MISSISSIPPI

THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

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

PROVISIONS & ADDENDUMS

KEY PLAN



SHEET TITLE

BUILDING C -
FIFTH FLOOR
SYSTEMS PLAN

SHEET NUMBER

Y105C

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