

RECEPTACLE SCHEDULE

CALLOUT	SYMBOL	VOLTS	NOTE 1	NOTE 2	NOTE 3
208V-1P		208V 2P 2W	COORDINATE MOUNTING HEIGHT AND PLUG TYPE WITH EQUIPMENT VENDOR.		
Duplex Outlet		120V 1P 2W	DUPLEX RECEPTACLE, MTD AT 18" AFF TO BOTTOM, UOI		
Duplex Outlet—Above Counter		120V 1P 2W	DUPLEX RECEPTACLE, MTD AT 4" ABOVE BACKSPLASH TO BOTTOM, UOI	COORDINATE WITH CASEWORK CONTRACTOR	
Duplex Outlet—EWC		120V 1P 2W	DUPLEX RECEPTACLE FOR DRINKING FOUNTAIN	COORDINATE MOUNTING HEIGHT WITH PLUMBING CONTRACTOR	DEDICATED CIRCUIT WITH GFCI BREAKER
Duplex Outlet—GFCI		120V 1P 2W	GFCI PROTECTED DUPLEX RECEPTACLE, MTD AT 18" AFF TO BOTTOM, UOI		
Duplex Outlet—GFCI Above Counter		120V 1P 2W	GFCI PROTECTED DUPLEX RECEPTACLE, MTD AT 4" ABOVE BACKSPLASH TO BOTTOM, UOI	COORDINATE WITH CASEWORK CONTRACTOR	
Duplex Outlet—GFCI/WP		120V 1P 2W	GFCI PROTECTED DUPLEX RECEPTACLE, WITH WEATHER-PROOF IN—USE COVER, MTD AT 18" AFF TO BOTTOM, UOI		
Duplex Outlet—TV		120V 1P 2W	DUPLEX RECEPTACLE FOR TV	COORDINATE MOUNT HEIGHT WITH ARCHITECTURAL DETAILS	
Duplex Outlet—Vending		120V 1P 2W	DUPLEX RECEPTACLE FOR VENDING/REFRIGERATOR, MTD AT 48" AFF TO BOTTOM, UOI	DEDICATED CIRCUIT WITH GFCI BREAKER	
Floor Box Quad		120V 1P 2W	FLOORBOX WITH (1) QUAD RECEPTACLE		
Floor Box/Stub Up Duplex Combo		120V 1P 2W	FLOORBOX WITH (1) DUPLEX RECEPTACLE AND (1) TELEPHONE/DATA OUTLET		
J—Box		120V 1P 2W	JUNCTION BOX, USE AS INDICATED		
Quad Outlet		120V 1P 2W	QUAD RECEPTACLE, MTD AT 18" AFF TO BOTTOM, UOI		
Simplex Outlet		120V 1P 2W	SIMPLEX RECEPTACLE, MTD AT 18" AFF TO BOTTOM, UOI		
Tele & Data		120V 1P 2W	EMPTY 3/4" CONDUIT STUB UP TO ABOVE CEILING FOR TELEPHONE & DATA	MTD AT 18" AFF TO BOTTOM, UOI	

ELECTRICAL SYMBOLS

	NONFUSED DISCONNECT SWITCH - SIZE AS INDICATED
	FUSED DISCONNECT SWITCH - SIZE AS INDICATED
	COMBINATION STARTER/DISCONNECT - SIZE AS INDICATED
	TOGGLE SWITCH
	FEEDER/BRANCH RUN OVERHEAD - CONCEALED IN OR ABOVE CEILING, IN WALL, OR EXPOSED ON STRUCTURE
	EMERGENCY, NIGHT LIGHT, OR FEEDER/BRANCH CONCEALED BELOW FLOOR, IN WALL, OR BELOW GRADE
	HOME RUN TO CIRCUIT PANEL, NEUTRAL/HOT/GROUND, #12 COPPER, UOI

ABBREVIATIONS

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
UOI	UNLESS OTHERWISE INDICATED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WEATHERPROOF
a, b, c, etc.	DENOTES SWITCHING SCHEME
AFF	ABOVE FINISHED FLOOR
AC	MOUNT ABOVE COUNTER
MTD	MOUNTED
AFG	ABOVE FINISHED GRADE
BFG	BELOW FINISHED GRADE
SPD	SURGE PROTECTIVE DEVICE
STB	SHUNT TRIP BREAKER
EX	EXISTING
EP	EXPLOSION PROOF
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR PANEL

DRAWING LEGEND

DRAWING NO.	DESCRIPTION
E001	Legend & Schedules - Electrical
E002	Fixture Schedule - Electrical
E003	Equipment Schedule - Electrical
E004	One Line Diagram - Electrical
E005	Panel Schedules - Electrical
E006	Panel Schedules - Electrical
E007	Panel Schedules - Electrical
E008	Panel Schedules - Electrical
E009	Details - Electrical
E201	First & Second Floor Plan - Lighting - Electrical
E202	Third Floor Plan - Lighting - Electrical
E203	Enlarged Guest Rooms - Electrical
E301	First & Second Floor Plan - Power/Comm - Electrical
E302	Third Floor & Roof Plan - Power/Comm - Electrical
E303	Enlarged Laundry/Food Prep - Power - Electrical
E401	First & Second Floor Plan - Fire Alarm - Electrical
E402	Third Floor & Roof Plan - Fire Alarm - Electrical

SWITCH SCHEDULE

CALLOUT	SYMBOL	NOTE 1	NOTE 2	NOTE 3
Occ Sensor - Ceiling Mount Line Voltage		CEILING MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPANCY SENSOR	MODEL WATTSTOPPER DT-355, OR APPROVED EQUAL	
Occ Sensor - Ceiling Mount Low Voltage		CEILING MOUNTED, DUAL TECHNOLOGY, LOW VOLTAGE OCCUPANCY SENSOR	MODEL WATTSTOPPER DT-300, OR APPROVED EQUAL	REQUIRES POWER PACK
Switch		WALL MOUNTED SWITCH	COLOR-IVORY	MTD AT 48" AFF, UOI
Switch—Occupancy Sensor		WALL MOUNTED, DUAL TECHNOLOGY, OCCUPANCY SENSOR WITH MANUAL OVERRIDE SWITCH	MODEL WATTSTOPPER DSW-100, OR APPROVED EQUAL	MTD AT 48" AFF, UOI
Switch—Three Way		WALL MOUNTED THREE WAY SWITCH	COLOR-IVORY	MTD AT 48" AFF, UOI

FIRE ALARM SCHEDULE

CALLOUT	SYMBOL	NOTE 1	NOTE 2
Audio/Visual Alarm		FIRE ALARM COMBINATION AUDIBLE & VISUAL INDICATOR ALARM, WALL MTD	
Heat Detector		FIRE ALARM HEAT DETECTOR	
Manual Pull Station		FIRE ALARM MANUAL PULL STATION, MTD 48" AFF TO BOTTOM, UOI	
Smoke Detector		FIRE ALARM SMOKE DETECTOR, MTD ON CEILING	
Tamper Switch		FIRE ALARM SPRINKLER SYSTEM TAMPER SWITCH	
Visual Alarm		FIRE ALARM VISUAL INDICATOR ALARM, WALL MTD @ 6'-8" AFF	
Water Flow Switch		FIRE ALARM SPRINKLER SYSTEM FLOW SWITCH	

COMMUNICATIONS SCHEDULE

CALLOUT	SYMBOL	NOTE 1	NOTE 2	NOTE 3
WAP		WIRELESS ACCESS POINT BY OWNER	CONTRACTOR SHALL PROVIDE DATA JACK WITH SINGLE DATA DROP IN CEILING	COORDINATE FINAL LOCATIONS WITH OWNER

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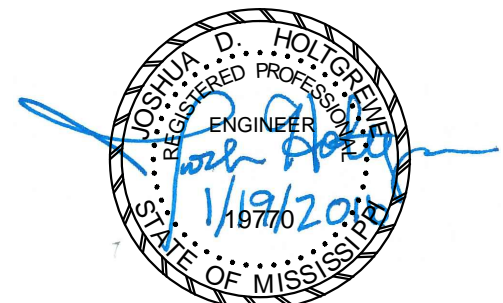
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MARRIOTT
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290 POWER DRIVE,
BATESVILLE, MS 38606

SEAL



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ISSUES & REVISIONS

NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

PROJECT NAME:

PROJECT NUMBER:

DRAWING NAME:

LEGENDS & SCHEDULES -
ELECTRICAL

DRAWN BY: TCH

CHECKED BY: JDH

DATE: 01-19-16

SCALE: AS NOTED

DRAWING NUMBER

E001

HNA
Engineering, pllc

MECHANICAL EQUIPMENT SCHEDULE

CALLOUT	SYMBOL	VOLTS	KVA	HP	CIRCUIT	DESCRIPTION
AHU-1	⊕	208V 2P 2W	8.53	1/6 HP	DP1(A)-24,26	AIR HANDLING UNIT
CU-1	⊕	208V 2P 2W	5.82		DP1(A)-21,23	CONDENSING UNIT
CU-2	⊕	208V 2P 2W	5.82		DP3(A)-22,24	CONDENSING UNIT
CU-3	⊕	208V 2P 2W	5.82		DP3(A)-14,16	CONDENSING UNIT
DH-1	⊕	208V 3P 3W	22.67		DP1(A)-2,4,6	POOL DEHUMIDIFIER
EF-1	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN (TYP)
EF-2	⊕	120V 1P 2W	0.53	1/6 HP		EXHAUST FAN
EF-3	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN
EF-4	⊕	120V 1P 2W	0.1	F HP	DP1(A)-41	EXHAUST FAN
EF-5	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN
EF-6	⊕	120V 1P 2W	0.1	F HP	DP1(A)-41	EXHAUST FAN
EF-7	⊕	120V 1P 2W	0.53	1/6 HP	DP1(B)-6	EXHAUST FAN
EF-8	⊕	120V 1P 2W	0.53	1/6 HP		EXHAUST FAN
EF-9	⊕	120V 1P 2W	0.53	1/6 HP	DP1(B)-4	EXHAUST FAN
EF-10	⊕	120V 1P 2W	0.7	1/4 HP	DP3(A)-5	EXHAUST FAN
EF-11	⊕	120V 1P 2W	0.7	1/4 HP	DP3(A)-3	EXHAUST FAN
EF-13	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN
EF-14	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN
EF-15	⊕	120V 1P 2W	0.1	F HP		EXHAUST FAN
HP-1	⊕	208V 2P 2W	3.74		DP1(A)-5,7	HEAT PUMP
HP-2	⊕	208V 3P 3W	7.56		DP1(A)-9,11,13	HEAT PUMP
HP-3	⊕	208V 3P 3W	4.32		DP1(A)-15,17,19	HEAT PUMP
IU-1	⊕	208V 2P 2W	0.06		DP1(C)-7,9	INDOOR UNIT
IU-2	⊕	208V 2P 2W	0.06		DP1(C)-7,9	INDOOR UNIT
IU-3	⊕	208V 2P 2W	0.06		DP1(C)-7,9	INDOOR UNIT
IU-4	⊕	208V 2P 2W	0.06		DP1(C)-7,9	INDOOR UNIT
MAU-1	⊕	208V 3P 3W	29.89		DP3(A)-8,10,12	MAKE-UP AIR UNIT
PTAC	⊕	208V 2P 2W	3.02		DP1(I)-30,32	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC	⊕	208V 2P 2W	3.02		DP1(I)-34,36	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC	⊕	208V 2P 2W	3.02		DP1(I)-38,40	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC	⊕	208V 2P 2W	3.02		DP1(A)-1,3	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC-102	⊕	208V 2P 2W	3.02		DP1(F)-1,3	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC-202	⊕	208V 2P 2W	3.02		DP1(G)-1,3	PACKAGED TERMINAL A/C UNIT (TYP)
PTAC-302	⊕	208V 2P 2W	3.02		DP1(H)-1,3	PACKAGED TERMINAL A/C UNIT (TYP)
RTU-1	⊕	208V 2P 2W	2.08		DP1(A)-8,10	ROOF TOP UNIT
RTU-2	⊕	208V 3P 3W	2.88		DP1(A)-12,14,16	ROOF TOP UNIT
RTU-3	⊕	208V 3P 3W	2.88		DP1(A)-18,20,22	ROOF TOP UNIT
UH-1	⊕	208V 2P 2W	3		DP1(A)-25,27	UNIT HEATER
UH-2	⊕	208V 2P 2W	3		DP1(A)-29,31	UNIT HEATER
UH-3	⊕	208V 2P 2W	3		DP1(A)-33,35	UNIT HEATER
UH-4	⊕	208V 2P 2W	5		DP1(A)-37,39	UNIT HEATER
UH-5	⊕	208V 2P 2W	5		DP1(B)-12,14	UNIT HEATER
UH-6	⊕	208V 2P 2W	5		DP1(B)-16,18	UNIT HEATER
UH-7	⊕	208V 2P 2W	3		DP2(A)-17,19	UNIT HEATER
UH-8	⊕	208V 2P 2W	3		DP2(A)-21,23	UNIT HEATER
UH-9	⊕	208V 2P 2W	3		DP3(A)-15,17	UNIT HEATER
UH-10	⊕	208V 2P 2W	3		DP3(A)-11,13	UNIT HEATER
UH-11	⊕	208V 2P 2W	5		DP3(A)-7,9	UNIT HEATER

PLUMBING EQUIPMENT SCHEDULE

CALLOUT	SYMBOL	VOLTS	KVA	HP	CIRCUIT	DESCRIPTION
BP-1	⊕	208V 3P 3W	6.32	5 HP	DP1(B)-20,22,24	DOMESTIC WATER BOOSTER PUMP
BP-2	⊕	208V 3P 3W	6.32	5 HP	DP1(B)-26,28,30	DOMESTIC WATER BOOSTER PUMP
SUMP	⊕	120V 1P 2W	1.18	1/2 HP	DP1(C)-5	SUMP PUMP
WH-1	⊕	120V 1P 2W	0.3		DP1(C)-1	GAS WATER HEATER
WH-2	⊕	120V 1P 2W	0.3		DP3(A)-20	GAS WATER HEATER
WH-3	⊕	120V 1P 2W	0.3		DP3(A)-20	GAS WATER HEATER
WH-4	⊕	120V 1P 2W	0.3		DP3(A)-20	GAS WATER HEATER

GENERAL EQUIPMENT SCHEDULE

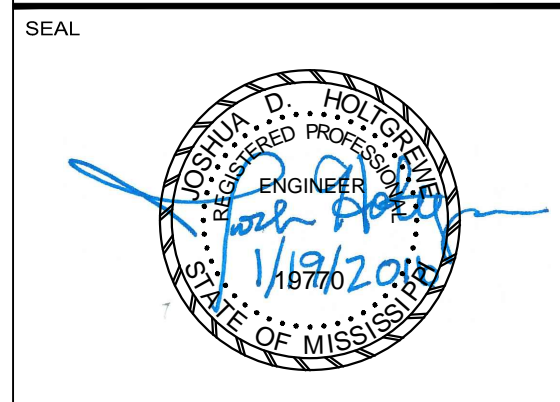
CALLOUT	SYMBOL	VOLTS	KVA	HP	CIRCUIT	DESCRIPTION
DRYER	⊕	208V 3P 3W	3		DP1(E)-2,4,6	DRYER
DRYER	⊕	208V 3P 3W	3		DP1(E)-8,10,12	DRYER
EL-1	⊕	208V 3P 4W	10.8		MSB-9	ELEVATOR
EL-2	⊕	208V 3P 4W	17.99		MSB-10	ELEVATOR
WASHER	⊕	208V 3P 3W	25		DP1(E)-14,16,18	WASHER
WASHER	⊕	208V 3P 3W	25		DP1(E)-20,22,24	WASHER

GENERAL EQUIPMENT NOTES

- CONTRACTOR SHALL PROVIDE ALL POWER CONNECTIONS AS REQUIRED FOR ALL MECHANICAL AND PLUMBING EQUIPMENT. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL PROVIDE 120V CIRCUITS FOR ALL MECHANICAL CONTROL PANELS AS REQUIRED. COORDINATE WITH MG.
- PROPER CLEARANCE MUST BE MAINTAINED AROUND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.26.
- PANELBOARDS, STARTERS, DISCONNECT SWITCHES, ETC. SHALL BE INSTALLED SUCH THAT THE TOP OF THE EQUIPMENT IS 72" AFF. UOI.
- REFER TO THE MECHANICAL/PLUMBING DRAWINGS TO VERIFY EQUIPMENT LOCATIONS AND COORDINATION OF STARTERS, DISCONNECT SWITCHES, THERMOSTATS, CONTROL WIRING, DUCT DETECTORS, ETC.

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NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

PROJECT NAME:

PROJECT NUMBER:

DRAWING NAME:

EQUIPMENT SCHEDULE -
 ELECTRICAL

DRAWN BY: TCH

CHECKED BY: JDH

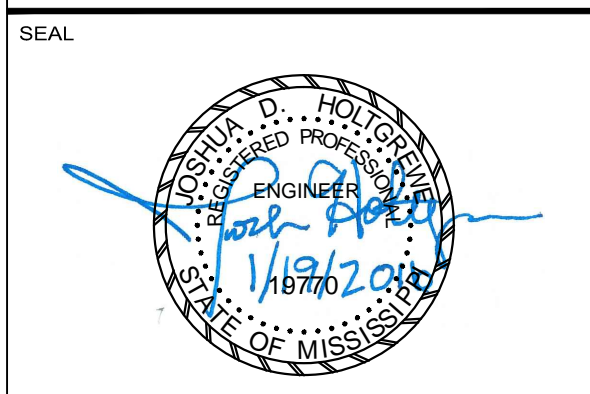
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E003





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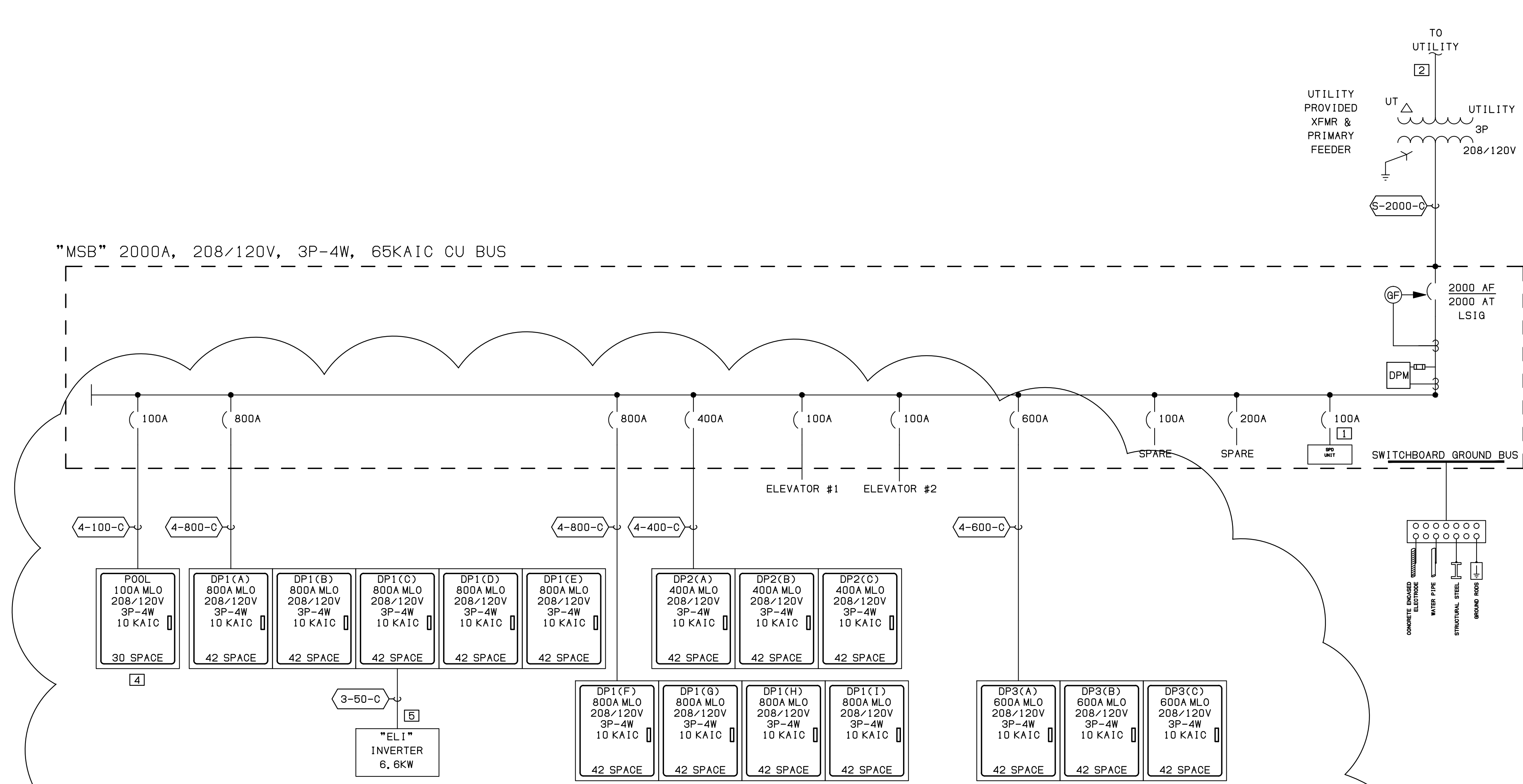
PROJECT NUMBER:

DRAWING NAME:
**ONE LINE DIAGRAM -
 ELECTRICAL**

DRAWN BY: TCH
 CHECKED BY: JDH
 DATE: 01-19-16
 SCALE: AS NOTED

DRAWING NUMBER

E004



1 ONE LINE DIAGRAM

FEEDER SCHEDULE (NOTE: ALL CONDUCTORS THHN / THWN U.O.N.)

TAG #	NOMINAL AMPACITY	MINIMUM CONDUIT SIZE (IN)	NO. OF PARALLEL RUNS	MINIMUM CABLE SIZE (AWG)	MATERIAL (INCLUDES ALL CONDUCTORS)	NO. OF CONDUCTORS	EQUIP. GROUND. COND. (AWG)
3-PHASE, 4-WIRE SYSTEMS							
S-2000-C	2000A	3"	6	#400MCM	CU	4	-
4-800-C	800A	3-1/2"	2	#500MCM	CU	4	#1/0
4-600-C	600A	3"	2	#300MCM	CU	4	#1
4-400-C	400A	3-1/2"	1	#500MCM	CU	4	#3
4-100-C	100A	1-1/4"	1	#3	CU	4	#8
3-PHASE, 3-WIRE SYSTEMS							
3-50-C	50A	3/4"	1	#8	CU	3	#10

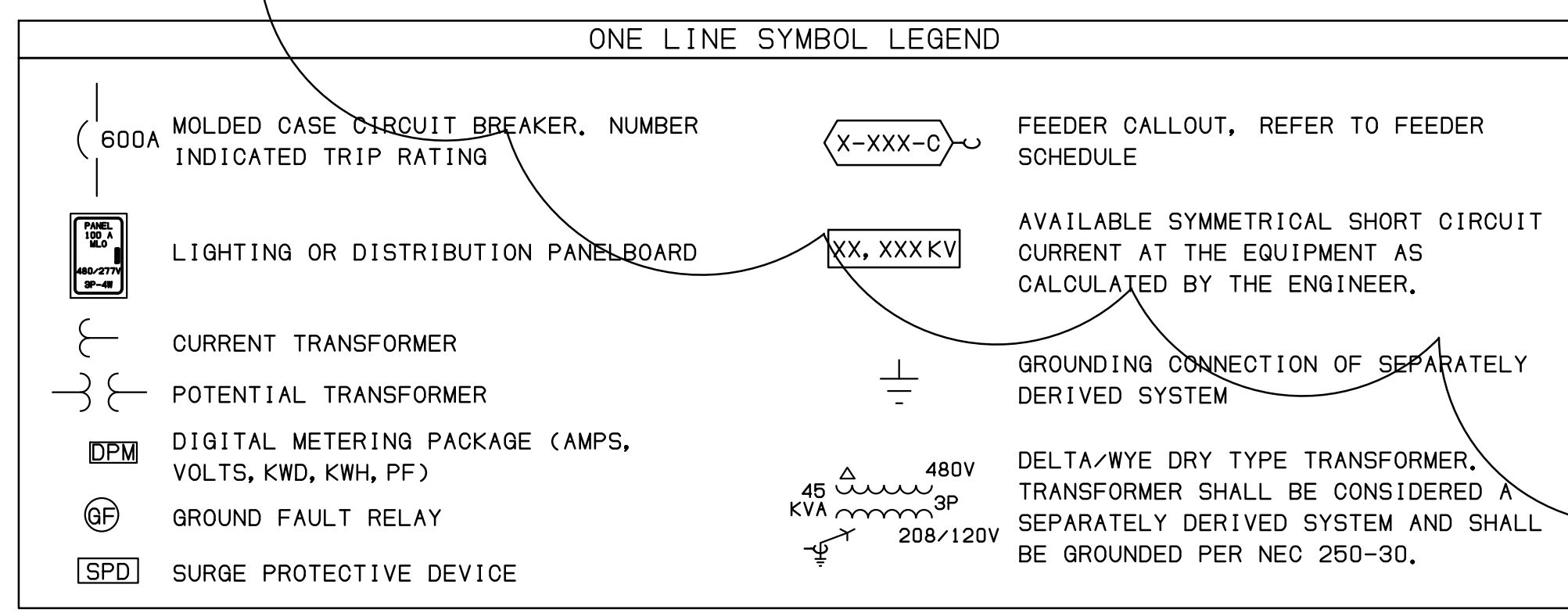
2 FEEDER SCHEDULE

ELECTRICAL ONE-LINE NOTES

- IN ACCORDANCE WITH NEC ARTICLE 110.16, ELECTRICAL EQUIPMENT LIKELY TO REQUIRE EXAMINATION WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN PERSONNEL OF POTENTIAL ARC FLASH HAZARDS. THIS SHALL BE FURNISHED FROM THE FACTORY.
- IN ACCORDANCE WITH NEC ARTICLE 110.24, THE SERVICE EQUIPMENT SHALL BE FIELD MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT ALONG WITH THE DATE THE CALCULATION WAS PERFORMED.
- ALL WORKING SPACE REQUIREMENTS AROUND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.26 SHALL BE STRICTLY ADHERED TO BY ALL TRADES.
- ALL SWITCHGEAR SHALL HAVE LUGS FOR THE MAIN AND ALL THE FEEDER BREAKERS THAT ARE COMPATIBLE WITH THE WIRE SIZES AND TYPES.
- ALL SWITCHGEAR AND PANELBOARDS SHALL BE RATED FOR USE IN A SEISMIC DESIGN CATEGORY "C." CONTRACTOR TO VERIFY DESIGN CATEGORY WITH STRUCTURAL ENGINEER.
- CONTRACTOR SHALL PROVIDE SPARE BREAKERS AS INDICATED ON PANEL SCHEDULES.
- REFER TO MAIN GROUNDING BUS DETAIL FOR MAIN GROUNDING DIAGRAM.
- GROUNDING SHALL BE PER NEC 250.
- SWITCHBOARD AND PANELBOARD AIC RATINGS ARE PRELIMINARY. UTILITY FAULT CURRENT TBD.
- INCLUDE ALL STUDIES. (COORDINATION, FAULT ANALYSIS, AND ARC FLASH)

KEYED NOTES

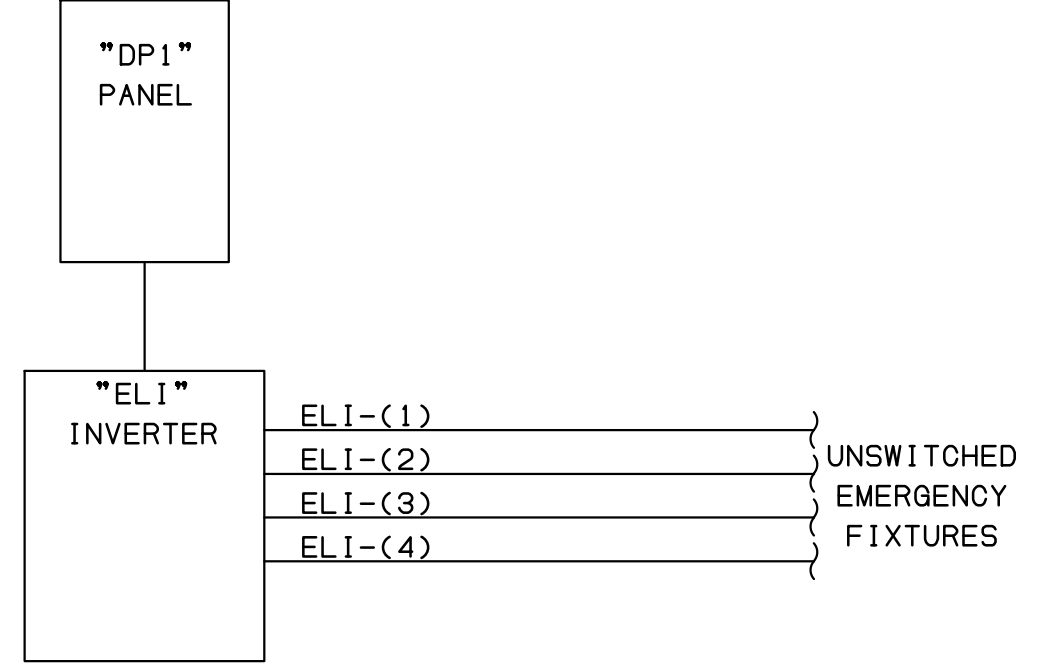
- CONTRACTOR SHALL PROVIDE SPD PER SPECIFICATIONS. PROVIDE BREAKER FOR SPD AS RECOMMENDED PER SPD VENDOR.
- CONTRACTOR SHALL PROVIDE INCOMING PRIMARY CONDUIT AS DIRECTED BY UTILITY. CONTRACTOR SHALL PAY ALL CHARGES AS REQUIRED BY UTILITY.
- NOT USED.
- CONTRACTOR SHALL COORDINATE BREAKER AND FEEDER REQUIREMENTS WITH POOL CONTRACTOR. PANEL TO BE NEMA 4X.
- EMERGENCY LIGHTING INVERTER TO BE DUAL-LITE MODEL #D208-66S120-A2008-IBS-FSL. SPECIFY NORMALLY ON/OFF BREAKERS WHEN ORDERING. SEE CIRCUITING SCHEME DETAIL.



EMERGENCY LIGHTING SCHEME

- ALL EMERGENCY INVERTER CIRCUITS TO BE "NORMALLY ON". THESE CIRCUITS SHALL ACT AS "NIGHT LIGHT" CIRCUITS.

3 EMERGENCY LIGHTING SCHEME



MSB

ROOM		VOLTS 208Y/120V 3P 4W			AIC 65,000		
MOUNTING FLOOR		BUS AMPS 2000			MAIN BKR 2000		
FED FROM UT		NEUTRAL 100%			LUGS STANDARD		
NOTE							
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			BREAKER TRIP/POLES	COND.	KVA LOAD
		A	B	C			
1	PANEL DP1(A)	85.54	83.25	87.50	800/3	CU	
2	PANEL DP2(A)	27.11	23.45	24.55	400/3	CU	
3	PANEL DP3(A)	44.72	47.60	42.44	600/3	CU	
4	PANEL DP1(F)	84.45	84.45	72.38	800/3	CU	
5	PANEL POOL	6.00	6.00	6.00	100/3	CU	
6	SURGE PROTECTIVE DEVICE	0.00	0.00	0.00	100/3	CU	
7	SPARE	0.00	0.00	0.00	100/3	CU	
8	SPARE	0.00	0.00	0.00	200/3	CU	
9	ELEVATOR #1 (SHUNT TRIP) EL-1	3.60	3.60	3.60	100/3	CU	
10	ELEVATOR #2 (SHUNT TRIP) EL-2	6.00	6.00	6.00	100/3	CU	
TOTAL CONNECTED KVA BY PHASE		257.42	254.33	242.47			
CONN. KVA		CALC. KVA		CONN. KVA		CALC. KVA	
LIGHTING	54.09	67.61	(125%)	CONTINUOUS	1.93	2.41	(125%)
LARGEST MOTOR	29.89	37.37	(125%)	HEATING	49.00	49.00	(100%)
OTHER MOTORS	429.12	429.12	(100%)	NONCONTINUOUS	0.00	0.00	(100%)
RECEPTACLES	190.18	100.09	(50%>10)	KITCHEN EQUIP	0.00	0.00	(N/A)
				NONCOIN/DIVERSE	0.00	0.00	(N/A)
TOTAL KVA				TOTAL KVA	754.22	685.60	
BALANCED THREE PHASE AMPS 1,903.05							

POOL

ROOM		VOLTS 208Y/120V 3P 4W			AIC 22,000					
MOUNTING SURFACE		BUS AMPS 100			MAIN TYPE: MLO					
FED FROM MSB		NEUTRAL 100%			LUGS STANDARD					
NOTE										
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CIRCUIT DESCRIPTION	KVA LOAD			
		A	B	C			A	B	C	
1	70/3	6.00	6.00		2	20/1	SPARE	0.00	0.00	0.00
3					4	20/1	SPARE			
5					6	20/1	SPARE			
7	20/1	0.00	0.00		8	20/1	SPARE	0.00	0.00	0.00
9	20/1	0.00	0.00		10	20/1	SPARE			
11	20/1	0.00	0.00		12	20/1	SPARE	0.00	0.00	0.00
13	20/1	0.00	0.00		14	20/1	SPARE			
15	20/1	0.00	0.00		16	20/1	SPARE	0.00	0.00	0.00
17	20/1	0.00	0.00		18	20/1	SPARE			
19	20/1	0.00	0.00		20	20/1	SPARE	0.00	0.00	0.00
21	20/1	0.00	0.00		22	20/1	SPARE			
23	20/1	0.00	0.00		24	20/1	SPARE	0.00	0.00	0.00
25	20/1	0.00	0.00		26	20/1	SPARE			
27	20/1	0.00	0.00		28	20/1	SPARE	0.00	0.00	0.00
29	20/1	0.00	0.00		30	20/1	SPARE			
TOTAL CONNECTED KVA BY PHASE		6.00	6.00	6.00						
CONN. KVA		CALC. KVA		CONN. KVA		CALC. KVA				
LIGHTING	0.00	0.00	(125%)	CONTINUOUS	0.00	0.00	(125%)			
LARGEST MOTOR	18.00	22.50	(125%)	HEATING	0.00	0.00	(100%)			
OTHER MOTORS	0.00	0.00	(100%)	NONCONTINUOUS	0.00	0.00	(100%)			
RECEPTACLES	0.00	0.00	(50%>10)	KITCHEN EQUIP	0.00	0.00	(N/A)			
				NONCOIN/DIVERSE	0.00	0.00	(N/A)			
TOTAL KVA				TOTAL KVA	18.00	22.50				
BALANCED THREE PHASE AMPS 62.45										

ELI

ROOM		VOLTS 208/120V 2P 3W			AIC 10,000				
MOUNTING SURFACE		BUS AMPS 50			MAIN BKR MLO				
FED FROM DP1(C)		NEUTRAL 100%			LUGS STANDARD				
NOTE									
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CIRCUIT DESCRIPTION	KVA LOAD		
		A	B	C			A	B	C
1	20/1	1.19			2	20/1	FIRST FLOOR EM LIGHTING	0.33	0.00
3	20/1		1.04		4	20/1	SPARE		
5	20/1	1.11			6	20/1	SPARE	0.00	0.00
7	20/1		0.00		8	20/1	SPARE		
TOTAL KVA				TOTAL KVA				2.63	1.04
CONN. KVA		CALC. KVA		CONN. KVA		CALC. KVA			
LIGHTING	3.67	4.58	(125%)	CONTINUOUS	0.00	0.00	(125%)		
LARGEST MOTOR	0.00	0.00	(125%)	HEATING	0.00	0.00	(100%)		
OTHER MOTORS	0.00	0.00	(100%)	NONCONTINUOUS	0.00	0.00	(100%)		
RECEPTACLES	0.00	0.00	(50%>10)	KITCHEN EQUIP	0.00	0.00	(N/A)		
				NONCOIN/DIVERSE	0.00	0.00	(N/A)		
TOTAL KVA				TOTAL KVA	3.67	4.58			
BALANCED PHASE AMPS 22.03									

NOTE:

* BREAKER TO BE ARC-FAULT TYPE

DP1(A)

ROOM		VOLTS 208Y/120V 3P 4W			AIC 10,000				
MOUNTING SURFACE		BUS AMPS 800			MAIN TYPE: MLO				
FED FROM MSB		NEUTRAL 100%			LUGS FEEDTHRU				
NOTE									
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CIRCUIT DESCRIPTION	KVA LOAD		
		A	B	C			A	B	C
1	20/2	1.51			2	80/3	DH-1	7.56	7.56
3		1.51			4				
5	30/2	1.87	1.87		6				
7					8	20/2	RTU-1	1.04	1.04
9	30/3	2.52	2.52		10				
11					12	20/3	RTU-2	0.96	0.96
13		2.52	2.52		14				
15	20/3	1.44	1.44		16				
17					18	20/3	RTU-3	0.96	0.96
19		1.44	1.44		20				
21	40/2	2.91	2.91		22	60/2	AHU-1	4.26	4.26
23					24				
25	20/2	1.50	1.50		26				
27					28	20/1	SPARE	0.00	0.00
29	20/2	1.50	1.50		30	20/1	SPARE	0.00	0.00
31					32	20/1	SPARE	0.00	0.00
33	20/2	1.50	1.50		34	20/1	SPARE	0.00	0.00
35					36	20/1	SPARE	0.00	0.00
37	40/2	2.50	2.50		38	20/1	SPARE	0.00	0.00
39		2.50	2.50		40	20/1	SPARE	0.00	0.00
41	20/1	0.20	0.20		42	20/1	SPARE	0.00	0.00
TOTAL CONNECTED KVA BY PHASE		57.93	58.85	61.81					
CONN. KVA		CALC. KVA		CONN. KVA		CALC. KVA			
LIGHTING	24.18	30.23	(125%)	CONTINUOUS	1.93	2.41	(125%)		
LARGEST MOTOR	25.00	31.25	(125%)	HEATING	32.00	32.00	(100%)		
OTHER MOTORS	102.11	102.11	(100%)	NONCONTINUOUS	0.00	0.00	(100%)		
RECEPTACLES	71.06	40.53	(50%>10)	KITCHEN EQUIP	0.00	0.00	(N/A)		
				NONCOIN/DIVERSE	0.00	0.00	(N/A)		
TOTAL KVA				TOTAL KVA	256.29	238.53			
BALANCED THREE PHASE AMPS 662.10									

DP1(B)

ROOM		VOLTS 208Y/120V 3P 4W			AIC 10,000				
MOUNTING SURFACE		BUS AMPS 800			MAIN TYPE: MLO				
FED FROM DP1(A)		NEUTRAL 100%			LUGS FEEDTHRU				
NOTE									
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CIRCUIT DESCRIPTION	KVA LOAD		
		A	B	C			A	B	C
1	20/1	1.08	1.08		2	20/1	AUTOMATIC DOORS	0.50	0.53
3	20/1			0.36	4	20/1	EF-9		
5	20/1				6	20/1	EF-7		
7	20/1	0.18	0.18		8	20/1	EL CAB LIGHTING	0.50	0.36
9	20/1	0.72	0.72		10	20/1	EL PIT REC/LIGHT	2.50	2.50
11	20/1			0.72	12	40/2	UH-5		
13	20/1	0.90	0.90		14				
15	20/1	0.36	0.36		16	40/2	UH-6	2.11	2.11
17	20/1			0.36	18				
19	20/1	0.72	0.72		20	30/3	BP-1	2.11	2.11
21	20/1			0.18	22				
23	20/1	1.08	1.08		24				
25	20/1	0.36	0.36		26	30/3	BP-2	2.11	2.11
27	20/1			0.36	28				
29	20/1	0.54	0.54		30				
31	20/1	0.54	0.54		32	20/1	RECEPTION RECEPTACLE	1.08	0.72
33	20/1	0.18	0.18		34	20/1	RECEPTION RECEPTACLE	0.72	0.36
35	20/1	0.54	0.54		36	20/1	COMPUTER RECEPTACLE	0.36	0.72
37	20/1	0.75	0.75		38	20/1	COMPUTER RECEPTACLE	0.72	0.61
39	20/1	0.18	0.18		40	20/1	RECEPTION RECEPTACLE		
41	20/1			0.18	42	20/1	CAFE TV/FB		
TOTAL CONNECTED KVA BY PHASE		44.24	46.18	47.32					
CONN. KVA		CALC. KVA		CONN. KVA		CALC. KVA			
LIGHTING	24.18	30.23	(125%)	CONTINUOUS	1.93	2.41	(125%)		
LARGEST MOTOR	25.00	31.25	(125%)	HEATING	10.00	10.00	(100%)		
OTHER MOTORS	46.42	46.42	(100%)	NONCONTINUOUS	0.00	0.00	(100%)		
RECEPTACLES	71.06	40.53	(50%>10)	KITCHEN EQUIP	0.00	0.00	(N/A)		
				NONCOIN/DIVERSE	0.00	0.00	(N/A)		
TOTAL KVA				TOTAL KVA	178.59	160.84			
BALANCED THREE PHASE AMPS 446.45									

DP1(C)

ROOM		VOLTS 208Y/120V 3P 4W			AIC 10,000				
MOUNTING SURFACE		BUS AMPS 800			MAIN TYPE: MLO				
FED FROM DP1(B)		NEUTRAL 100%			LUGS FEEDTHRU				
NOTE									
CKT #	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CIRCUIT DESCRIPTION	KVA LOAD		
		A	B	C			A	B	C
1	20/1	0.30			2	20/1	120 RECEPTACLE *	0.90	0.90
3	20/1	0.18			4	20/1	120 RE		

DP1(D)

Table for DP1(D) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

DP1(E)

Table for DP1(E) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

DP1(F)

Table for DP1(F) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

DP1(G)

Table for DP1(G) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

DP1(H)

Table for DP1(H) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

DP1(I)

Table for DP1(I) showing room details, circuit descriptions, KVA load by phase, and summary statistics.

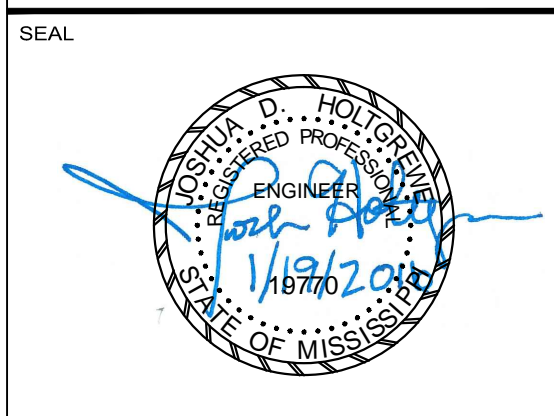
NOTE:

* BREAKER TO BE ARC-FAULT TYPE



BYRON B. CARSON, JR., AIA ARCHITECT 5134 ELMORE, SUITE 6 MEMPHIS, TN 38134

MARRIOTT FAIRFIELD 290 POWER DRIVE, BATESVILLE, MS 38606



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Table for CONSULTANTS

Table for ISSUES & REVISIONS

Table for PROJECT NAME, PROJECT NUMBER, DRAWING NAME, PANEL SCHEDULES - ELECTRICAL

DRAWN BY: TCH CHECKED BY: JDH DATE: 01-19-16 SCALE: AS NOTED

DRAWING NUMBER E006



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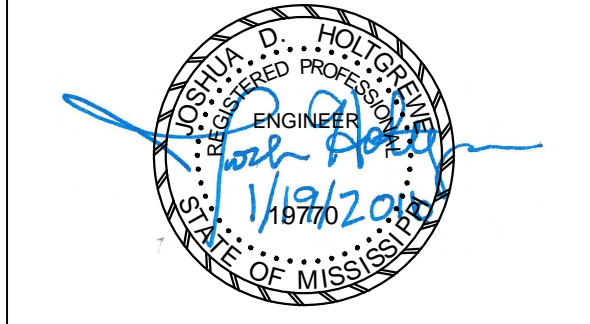
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CONSULTANTS

ISSUES & REVISIONS

NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

PROJECT NAME:

PROJECT NUMBER:

DRAWING NAME:

PANEL SCHEDULES -
ELECTRICAL

DRAWN BY: TCH
CHECKED BY: JDH
DATE: 01-19-16
SCALE: AS NOTED

DRAWING NUMBER

E007



DP2(A)

ROOM			VOLTS 208Y/120V 3P 4W			AIC 10,000						
MOUNTING SURFACE			BUS AMPS 400			MAIN TYPE: MLO						
FED FROM MSB			NEUTRAL 100%			LUGS FEEDTHRU						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			
			A	B	C				A	B	C	
1	20/1	220,222,224 LIGHTING	1.50			2	20/1	225,227,229 LIGHTING	1.50			
3	20/1	214,216,218 LIGHTING	1.50	1.50		4	20/1	219,221,223 LIGHTING	1.50	1.50		
5	20/1	208,210,212 LIGHTING			1.50	6	20/1	211,215,217 LIGHTING			1.50	
7	20/1	202,204,206 LIGHTING	1.50			8	20/1	205,207 LIGHTING	1.50			
9	20/1	BLDG SIGNAGE		0.50		10	20/1	CORRIDOR RECEPTACLE		0.90		
11	20/1	201,203 LIGHTING			1.00	12	20/1	GUEST WASHER RECEPTACLE			0.18	
13	20/1	UTILITY LIGHTING	0.53			14	20/1	LAUNDRY RECEPTACLE	0.18			
15	20/1	GUEST DOOR LIGHTING		0.18		16	20/1	ICE MACHINE RECEPTACLE		0.18		
17	20/2	UH-7			1.50	18	20/1	CORRIDOR RECEPTACLE			1.08	
19			1.50			20	20/1	LAUNDRY/JAN RECEPTACLE	0.54			
21	20/2	UH-8		1.50		22	30/2	GUEST DRYER		0.09	0.09	
23					1.50	24						
25	20/1	SPARE	0.00			26	20/1	MAINT RECEPTACLE	0.36			
27	20/1	SPARE		0.00		28	20/1	SPARE		0.00		
29	20/1	SPARE			0.00	30	20/1	SPARE			0.00	
31	20/1	SPARE	0.00			32	20/1	SPARE	0.00			
33	20/1	SPARE		0.00		34	20/1	SPARE		0.00		
35	20/1	SPARE			0.00	36	20/1	SPARE			0.00	
37	20/1	SPARE	0.00			38	20/1	SPARE	0.00			
39	20/1	SPARE		0.00		40	20/1	SPARE		0.00		
41	20/1	SPARE			0.00	42	20/1	SPARE			0.00	
LUG LOAD: PANEL DP2(B)			18.00	17.10	16.20	TOTAL CONNECTED KVA BY PHASE			27.11	23.45	24.55	
			CONN. KVA		CALC. KVA				CONN. KVA		CALC. KVA	
LIGHTING			13.70	17.13	(125%)	CONTINUOUS			0.00	0.00	(125%)	
LARGEST MOTOR			0.00	0.00	(125%)	HEATING			6.00	6.00	(100%)	
OTHER MOTORS			0.00	0.00	(100%)	NONCONTINUOUS			0.00	0.00	(100%)	
RECEPTACLES			55.40	32.70	(50%>10)	KITCHEN EQUIP			0.00	0.00	(N/A)	
			TOTAL KVA				NONCON/DIVERSE			0.00	0.00	(N/A)
			75.10				TOTAL KVA			75.10	55.83	
BALANCED THREE PHASE AMPS 154.97												

DP2(B)

ROOM			VOLTS 208Y/120V 3P 4W			AIC 10,000						
MOUNTING SURFACE			BUS AMPS 400			MAIN TYPE: MLO						
FED FROM DP2(A)			NEUTRAL 100%			LUGS FEEDTHRU						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			
			A	B	C				A	B	C	
1	20/1	201 RECEPTACLE *	0.90			2	20/1	202 RECEPTACLE *	0.90			
3	20/1	201 RECEPTACLE *		0.90		4	20/1	202 RECEPTACLE *		0.90		
5	20/1	203 RECEPTACLE *			0.90	6	20/1	204 RECEPTACLE *			0.90	
7	20/1	203 RECEPTACLE *	0.90			8	20/1	204 RECEPTACLE *	0.90			
9	20/1	205 RECEPTACLE *		0.90		10	20/1	206 RECEPTACLE *		0.90		
11	20/1	205 RECEPTACLE *			0.90	12	20/1	206 RECEPTACLE *			0.90	
13	20/1	207 RECEPTACLE *	0.90			14	20/1	208 RECEPTACLE *	0.90			
15	20/1	207 RECEPTACLE *		0.90		16	20/1	208 RECEPTACLE *		0.90		
17	20/1	209 RECEPTACLE *			0.90	18	20/1	210 RECEPTACLE *			0.90	
19	20/1	209 RECEPTACLE *	0.90			20	20/1	210 RECEPTACLE *	0.90			
21	20/1	211 RECEPTACLE *		0.90		22	20/1	212 RECEPTACLE *		0.90		
23	20/1	211 RECEPTACLE *			0.90	24	20/1	212 RECEPTACLE *			0.90	
25	20/1	215 RECEPTACLE *	0.90			26	20/1	214 RECEPTACLE *	0.90			
27	20/1	215 RECEPTACLE *		0.90		28	20/1	214 RECEPTACLE *		0.90		
29	20/1	217 RECEPTACLE *			0.90	30	20/1	216 RECEPTACLE *			0.90	
31	20/1	217 RECEPTACLE *	0.90			32	20/1	216 RECEPTACLE *	0.90			
33	20/1	219 RECEPTACLE *		0.90		34	20/1	218 RECEPTACLE *		0.90		
35	20/1	219 RECEPTACLE *			0.90	36	20/1	218 RECEPTACLE *			0.90	
37	20/1	221 RECEPTACLE *	0.90			38	20/1	218 RECEPTACLE *	0.90			
39	20/1	221 RECEPTACLE *		0.90		40	20/1	222 RECEPTACLE *		0.90		
41	20/1	221 RECEPTACLE *			0.90	42	20/1	222 RECEPTACLE *			0.90	
LUG LOAD: PANEL DP2(C)			5.40	4.50	3.60	TOTAL CONNECTED KVA BY PHASE			18.00	17.10	16.20	
			CONN. KVA		CALC. KVA				CONN. KVA		CALC. KVA	
LIGHTING			0.00	0.00	(125%)	CONTINUOUS			0.00	0.00	(125%)	
LARGEST MOTOR			0.00	0.00	(125%)	HEATING			0.00	0.00	(100%)	
OTHER MOTORS			0.00	0.00	(100%)	NONCONTINUOUS			0.00	0.00	(100%)	
RECEPTACLES			51.30	30.65	(50%>10)	KITCHEN EQUIP			0.00	0.00	(N/A)	
			TOTAL KVA				NONCON/DIVERSE			0.00	0.00	(N/A)
			51.30		30.65		TOTAL KVA			51.30	30.65	
BALANCED THREE PHASE AMPS 85.08												

DP2(C)

ROOM			VOLTS 208Y/120V 3P 4W			AIC 10,000						
MOUNTING SURFACE			BUS AMPS 400			MAIN TYPE: MLO						
FED FROM DP2(B)			NEUTRAL 100%			LUGS FEEDTHRU						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			
			A	B	C				A	B	C	
1	20/1	223 RECEPTACLE *	0.90			2	20/1	220 RECEPTACLE *	0.90			
3	20/1	223 RECEPTACLE *		0.90		4	20/1	220 RECEPTACLE *		0.90		
5	20/1	225 RECEPTACLE *			0.90	6	20/1	220 RECEPTACLE *			0.90	
7	20/1	225 RECEPTACLE *	0.90			8	20/1	224 RECEPTACLE *	0.90			
9	20/1	227 RECEPTACLE *		0.90		10	20/1	224 RECEPTACLE *		0.90		
11	20/1	227 RECEPTACLE *			0.90	12	20/1	SPARE			0.00	
13	20/1	227 RECEPTACLE *	0.90			14	20/1	SPARE	0.00			
15	20/1	229 RECEPTACLE *		0.90		16	20/1	SPARE		0.00		
17	20/1	229 RECEPTACLE *			0.90	18	20/1	SPARE			0.00	
19	20/1	229 RECEPTACLE *	0.90			20	20/1	SPARE	0.00			
21	20/1	SPARE		0.00		22	20/1	SPARE		0.00		
23	20/1	SPARE			0.00	24	20/1	SPARE			0.00	
25	-/1	SPARE	0.00			26	-/1	SPARE	0.00			
27	-/1	SPARE		0.00		28	-/1	SPARE		0.00		
29	-/1	SPARE			0.00	30	-/1	SPARE			0.00	
31	-/1	SPARE	0.00			32	-/1	SPARE	0.00			
33	-/1	SPARE		0.00		34	-/1	SPARE		0.00		
35	-/1	SPARE			0.00	36	-/1	SPARE			0.00	
37	-/1	SPARE	0.00			38	-/1	SPARE		0.00		
39	-/1	SPARE		0.00		40	-/1	SPARE			0.00	
41	-/1	SPARE			0.00	42	-/1	SPARE			0.00	
LUG LOAD: PANEL DP2(C)			5.40	4.50	3.60	TOTAL CONNECTED KVA BY PHASE			5.40	4.50	3.60	
			CONN. KVA		CALC. KVA				CONN. KVA		CALC. KVA	
LIGHTING			0.00	0.00	(125%)	CONTINUOUS			0.00	0.00	(125%)	
LARGEST MOTOR			0.00	0.00	(125%)	HEATING			0.00	0.00	(100%)	
OTHER MOTORS			0.00	0.00	(100%)	NONCONTINUOUS			0.00	0.00	(100%)	
RECEPTACLES			13.50	11.75	(50%>10)	KITCHEN EQUIP			0.00	0.00	(N/A)	
			TOTAL KVA				NONCON/DIVERSE			0.00	0.00	(N/A)
			13.50		11.75		TOTAL KVA			13.50	11.75	
BALANCED THREE PHASE AMPS 32.61												

NOTE:

* BREAKER TO BE ARC-FAULT TYPE



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CONSULTANTS

ISSUES & REVISIONS

NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

PROJECT NAME:

PROJECT NUMBER:

DRAWING NAME:

PANEL SCHEDULES -

ELECTRICAL

DRAWN BY: TCH

CHECKED BY: JDH

DATE: 01-19-16

SCALE: AS NOTED

DRAWING NUMBER

E008

DP3(A)			VOLTS 208Y/120V 3P 4W			AIC 10,000					
ROOM MOUNTING SURFACE			BUS AMPS 600			MAIN TYPE:MLO					
FED FROM MSB			NEUTRAL 100%			LUGS FEEDTHRU					
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD		
1	20/1	LINEN RECEPTACLE	0.36			2	20/1	ICE MACHINE RECEPTACLE	0.18		
3	20/1	EF-11		0.70		4	20/1	MAINTENANCE RECEPTACLE		0.36	
5	20/1	EF-10			0.70	6	20/1	RTU MAINT WP RECEPTACLE			0.18
7	40/2	UH-11	2.50			8	110/3	MAU-1	9.96		
9				2.50		10				9.96	
11	20/2	UH-10			1.50	12					9.96
13			1.50			14	40/2	CU-3	2.91		
15	20/2	UH-9		1.50		16				2.91	
17					1.50	18	20/1	RECIRC PUMP RECEPTACLE			0.18
19	20/1	SPARE	0.00			20	20/1	WH-2, WH-3, WH-4	0.90		
21	20/1	SPARE	0.00			22	40/2	CU-2		2.91	
23	20/1	SPARE	0.00		0.00	24					2.91
25	20/1	SPARE	0.00			26	20/1	SPARE	0.00		
27	20/1	SPARE	0.00			28	20/1	SPARE	0.00		
29	20/1	SPARE	0.00			30	20/1	SPARE	0.00		
31	20/1	SPARE	0.00			32	20/1	SPARE	0.00		
33	20/1	SPARE	0.00			34	20/1	SPARE	0.00		
35	20/1	SPARE	0.00		0.00	36	20/1	SPARE	0.00		0.00
37	20/1	SPARE	0.00			38	20/1	SPARE	0.00		
39	20/1	SPARE	0.00			40	20/1	SPARE	0.00		
41	20/1	SPARE	0.00		0.00	42	20/1	SPARE	0.00		0.00
LUG LOAD: PANEL DP3(B)			26.40	26.75	25.51	TOTAL CONNECTED KVA BY PHASE			44.72	47.60	42.44
			CONN. KVA		20.26	CALC. KVA		20.26	(125%)		
LIGHTING			16.21		20.26	CONTINUOUS		0.00		0.00	(125%)
LARGEST MOTOR			29.89		37.37	HEATING		11.00		11.00	(100%)
OTHER MOTORS			13.94		13.94	NONCONTINUOUS		0.00		0.00	(100%)
RECEPTACLES			63.72		36.86	KITCHEN EQUIP		0.00		0.00	(N/A)
						NONCOIN/DIVERSE		0.00		0.00	(N/A)
						TOTAL KVA		134.76		119.42	
						BALANCED THREE PHASE AMPS		331.49			

DP3(B)			VOLTS 208Y/120V 3P 4W			AIC 10,000					
ROOM MOUNTING SURFACE			BUS AMPS 600			MAIN TYPE:MLO					
FED FROM DP3(A)			NEUTRAL 100%			LUGS FEEDTHRU					
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD		
1	20/1	301 RECEPTACLE *	0.90			2	20/1	302 RECEPTACLE *	0.90		
3	20/1	301 RECEPTACLE *		0.90		4	20/1	302 RECEPTACLE *		0.90	
5	20/1	303 RECEPTACLE *			0.90	6	20/1	304 RECEPTACLE *			0.90
7	20/1	303 RECEPTACLE *	0.90			8	20/1	304 RECEPTACLE *	0.90		
9	20/1	305 RECEPTACLE *		0.90		10	20/1	306 RECEPTACLE *		0.90	
11	20/1	305 RECEPTACLE *			0.90	12	20/1	306 RECEPTACLE *			0.90
13	20/1	307 RECEPTACLE *	0.90			14	20/1	308 RECEPTACLE *	0.90		
15	20/1	307 RECEPTACLE *		0.90		16	20/1	308 RECEPTACLE *		0.90	
17	20/1	309 RECEPTACLE *			0.90	18	20/1	310 RECEPTACLE *			0.90
19	20/1	309 RECEPTACLE *	0.90			20	20/1	310 RECEPTACLE *	0.90		
21	20/1	311 RECEPTACLE *		0.90		22	20/1	312 RECEPTACLE *		0.90	
23	20/1	311 RECEPTACLE *			0.90	24	20/1	312 RECEPTACLE *			0.90
25	20/1	315 RECEPTACLE *	0.90			26	20/1	314 RECEPTACLE *	0.90		
27	20/1	315 RECEPTACLE *		0.90		28	20/1	314 RECEPTACLE *		0.90	
29	20/1	317 RECEPTACLE *			0.90	30	20/1	316 RECEPTACLE *			0.90
31	20/1	317 RECEPTACLE *	0.90			32	20/1	316 RECEPTACLE *	0.90		
33	20/1	319 RECEPTACLE *		0.90		34	20/1	318 RECEPTACLE *		0.90	
35	20/1	319 RECEPTACLE *			0.90	36	20/1	318 RECEPTACLE *			0.90
37	20/1	321 RECEPTACLE *	0.90			38	20/1	318 RECEPTACLE *	0.90		
39	20/1	321 RECEPTACLE *		0.90		40	20/1	322 RECEPTACLE *		0.90	
41	20/1	321 RECEPTACLE *			0.90	42	20/1	322 RECEPTACLE *			0.90
LUG LOAD: PANEL DP3(C)			13.80	14.15	12.91	TOTAL CONNECTED KVA BY PHASE			26.40	26.75	25.51
			CONN. KVA		20.26	CALC. KVA		20.26	(125%)		
LIGHTING			16.21		20.26	CONTINUOUS		0.00		0.00	(125%)
LARGEST MOTOR			0.00		0.00	HEATING		0.00		0.00	(100%)
OTHER MOTORS			0.00		0.00	NONCONTINUOUS		0.00		0.00	(100%)
RECEPTACLES			62.46		36.23	KITCHEN EQUIP		0.00		0.00	(N/A)
						NONCOIN/DIVERSE		0.00		0.00	(N/A)
						TOTAL KVA		78.66		56.49	
						BALANCED THREE PHASE AMPS		156.79			

DP3(C)			VOLTS 208Y/120V 3P 4W			AIC 10,000					
ROOM MOUNTING SURFACE			BUS AMPS 600			MAIN TYPE:MLO					
FED FROM DP3(B)			NEUTRAL 100%			LUGS FEEDTHRU					
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD			CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD		
1	20/1	323 RECEPTACLE *	0.90			2	20/1	320 RECEPTACLE *	0.90		
3	20/1	323 RECEPTACLE *		0.90		4	20/1	320 RECEPTACLE *		0.90	
5	20/1	325 RECEPTACLE *			0.90	6	20/1	320 RECEPTACLE *			0.90
7	20/1	325 RECEPTACLE *	0.90			8	20/1	324 RECEPTACLE *	0.90		
9	20/1	327 RECEPTACLE *		0.90		10	20/1	324 RECEPTACLE *		0.90	
11	20/1	327 RECEPTACLE *			0.90	12	20/1	326 RECEPTACLE *			0.90
13	20/1	327 RECEPTACLE *	0.90			14	20/1	326 RECEPTACLE *	0.90		
15	20/1	329 RECEPTACLE *		0.90		16	20/1	328 RECEPTACLE *		0.90	
17	20/1	329 RECEPTACLE *			0.90	18	20/1	328 RECEPTACLE *			0.90
19	20/1	329 RECEPTACLE *	0.90			20	20/1	333 RECEPTACLE *	0.90		
21	20/1	331 RECEPTACLE *		0.90		22	20/1	333 RECEPTACLE *		0.90	
23	20/1	331 RECEPTACLE *			0.90	24	20/1	333 RECEPTACLE *			0.90
25	20/1	331 RECEPTACLE *	0.90			26	20/1	CORRIDOR RECEPTACLE	1.08		
27	20/1	LIGHTING		0.37		28	20/1	CORRIDOR RECEPTACLE		1.08	
29	20/1	GUEST DOOR LIGHTING			0.21	30	20/1	SPARE			0.00
31	20/1	UTILITY LIGHTING	0.62			32	20/1	301,303,305 LIGHTING *	1.50		
33	20/1	302,304 LIGHTING *		1.00		34	20/1	307,309,311 LIGHTING *		1.50	
35	20/1	306,308,310 LIGHTING *			1.50	36	20/1	315,317,319 LIGHTING *			1.50
37	20/1	312,314,316 LIGHTING *	1.50			38	20/1	321,323 LIGHTING *	1.00		
39	20/1	318,320,322 LIGHTING *		1.50		40	20/1	325,327,329 LIGHTING *		1.50	
41	20/1	324,326,328 LIGHTING *			1.50	42	20/1	331,333 LIGHTING *			1.00
LUG LOAD: PANEL DP3(C)			13.80	14.15	12.91	TOTAL CONNECTED KVA BY PHASE			13.80	14.15	12.91
			CONN. KVA		20.26	CALC. KVA		20.26	(125%)		
LIGHTING			16.21		20.26	CONTINUOUS		0.00		0.00	(125%)
LARGEST MOTOR			0.00		0.00	HEATING		0.00		0.00	(100%)
OTHER MOTORS			0.00		0.00	NONCONTINUOUS		0.00		0.00	(100%)
RECEPTACLES			24.66		17.33	KITCHEN EQUIP		0.00		0.00	(N/A)
						NONCOIN/DIVERSE		0.00		0.00	(N/A)
						TOTAL KVA		40.87		37.59	
						BALANCED THREE PHASE AMPS		104.33			

NOTE:

* BREAKER TO BE ARC-FAULT TYPE

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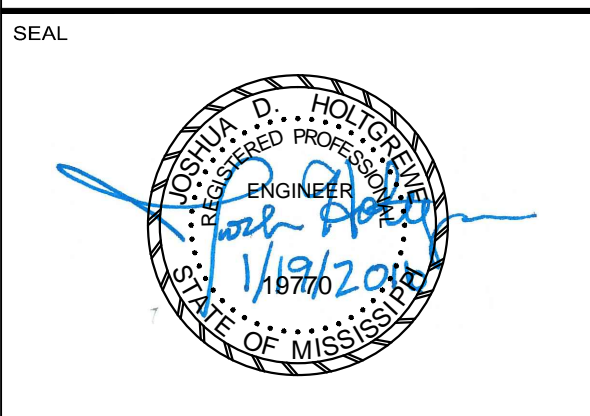
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CONSULTANTS

NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

ISSUES & REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NAME:
 PROJECT NUMBER:
 DRAWING NAME:
 SITE PLAN -
 LIGHTING -
 ELECTRICAL

DRAWN BY: TCH
 CHECKED BY: JDH
 DATE: 01-19-16
 SCALE: AS NOTED

DRAWING NUMBER

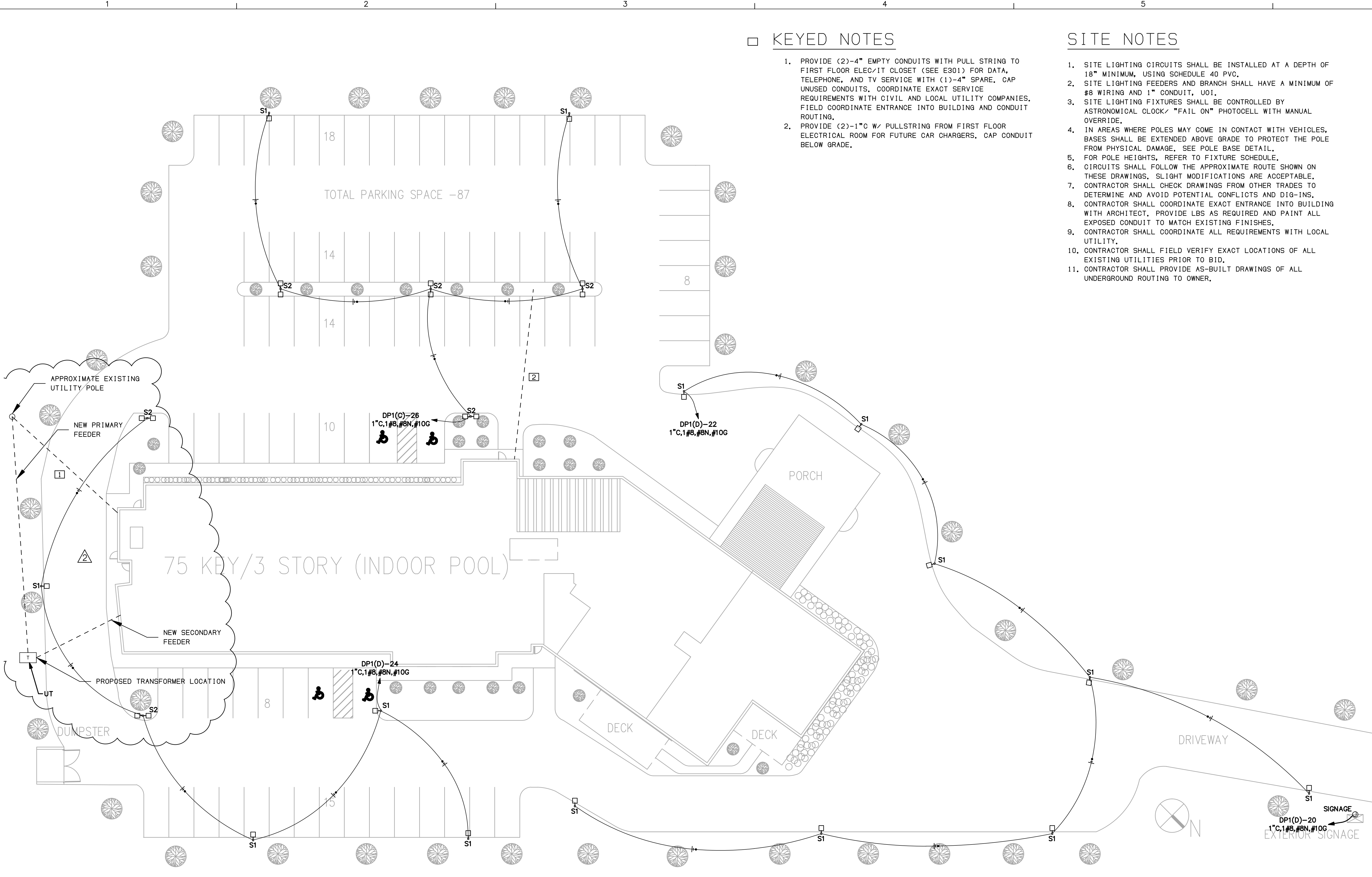
E101

KEYED NOTES

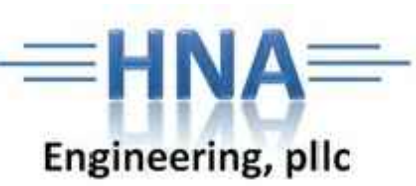
1. PROVIDE (2)-4" EMPTY CONDUITS WITH PULL STRING TO FIRST FLOOR ELEC/IT CLOSET (SEE E301) FOR DATA, TELEPHONE, AND TV SERVICE WITH (1)-4" SPARE. CAP UNUSED CONDUITS. COORDINATE EXACT SERVICE REQUIREMENTS WITH CIVIL AND LOCAL UTILITY COMPANIES. FIELD COORDINATE ENTRANCE INTO BUILDING AND CONDUIT ROUTING.
2. PROVIDE (2)-1" C W/ PULLSTRING FROM FIRST FLOOR ELECTRICAL ROOM FOR FUTURE CAR CHARGERS. CAP CONDUIT BELOW GRADE.

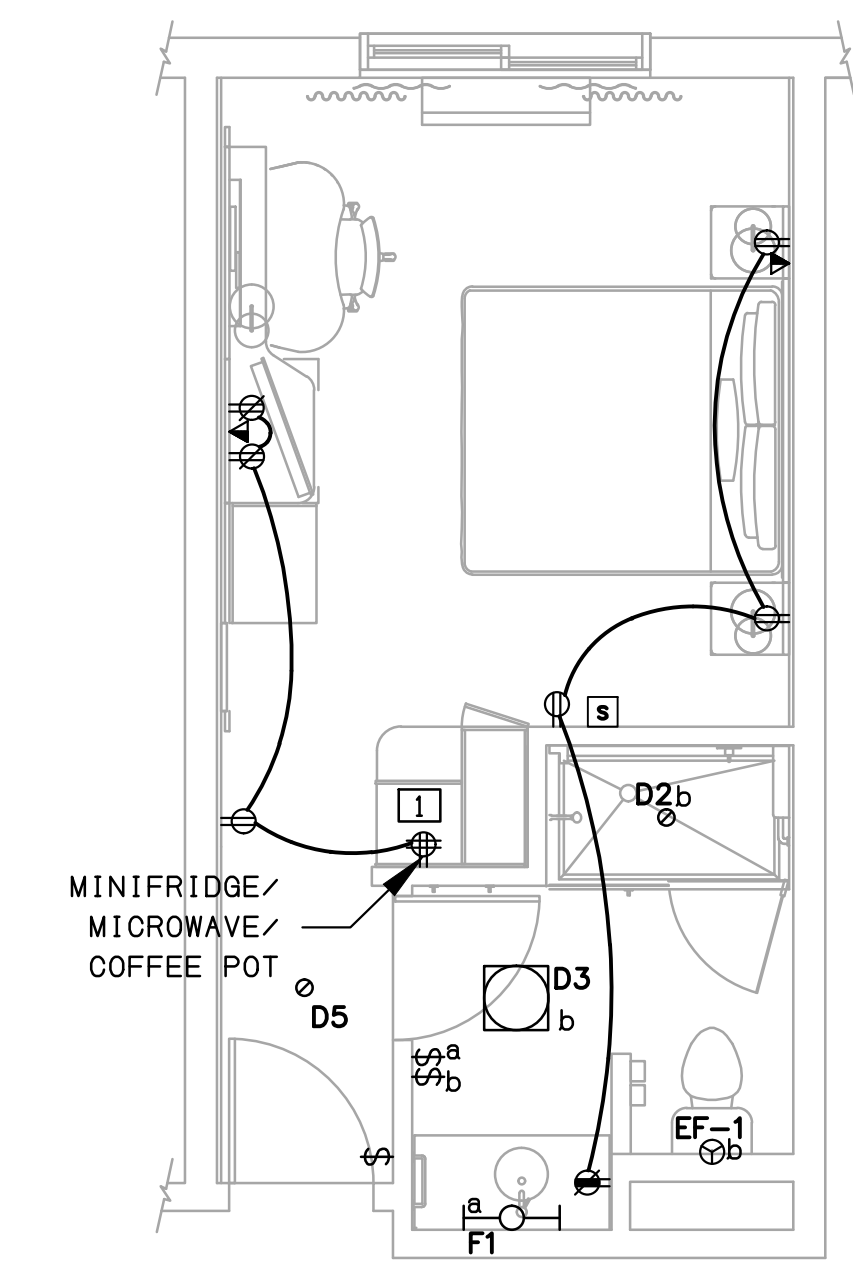
SITE NOTES

1. SITE LIGHTING CIRCUITS SHALL BE INSTALLED AT A DEPTH OF 18" MINIMUM, USING SCHEDULE 40 PVC.
2. SITE LIGHTING FEEDERS AND BRANCH SHALL HAVE A MINIMUM OF #8 WIRING AND 1" CONDUIT, UOI.
3. SITE LIGHTING FIXTURES SHALL BE CONTROLLED BY ASTRONOMICAL CLOCK/ "FAIL ON" PHOTOCCELL WITH MANUAL OVERRIDE.
4. IN AREAS WHERE POLES MAY COME IN CONTACT WITH VEHICLES, BASES SHALL BE EXTENDED ABOVE GRADE TO PROTECT THE POLE FROM PHYSICAL DAMAGE. SEE POLE BASE DETAIL.
5. FOR POLE HEIGHTS, REFER TO FIXTURE SCHEDULE.
6. CIRCUITS SHALL FOLLOW THE APPROXIMATE ROUTE SHOWN ON THESE DRAWINGS, SLIGHT MODIFICATIONS ARE ACCEPTABLE.
7. CONTRACTOR SHALL CHECK DRAWINGS FROM OTHER TRADES TO DETERMINE AND AVOID POTENTIAL CONFLICTS AND DIG-INS.
8. CONTRACTOR SHALL COORDINATE EXACT ENTRANCE INTO BUILDING WITH ARCHITECT. PROVIDE LBS AS REQUIRED AND PAINT ALL EXPOSED CONDUIT TO MATCH EXISTING FINISHES.
9. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY.
10. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BID.
11. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF ALL UNDERGROUND ROUTING TO OWNER.

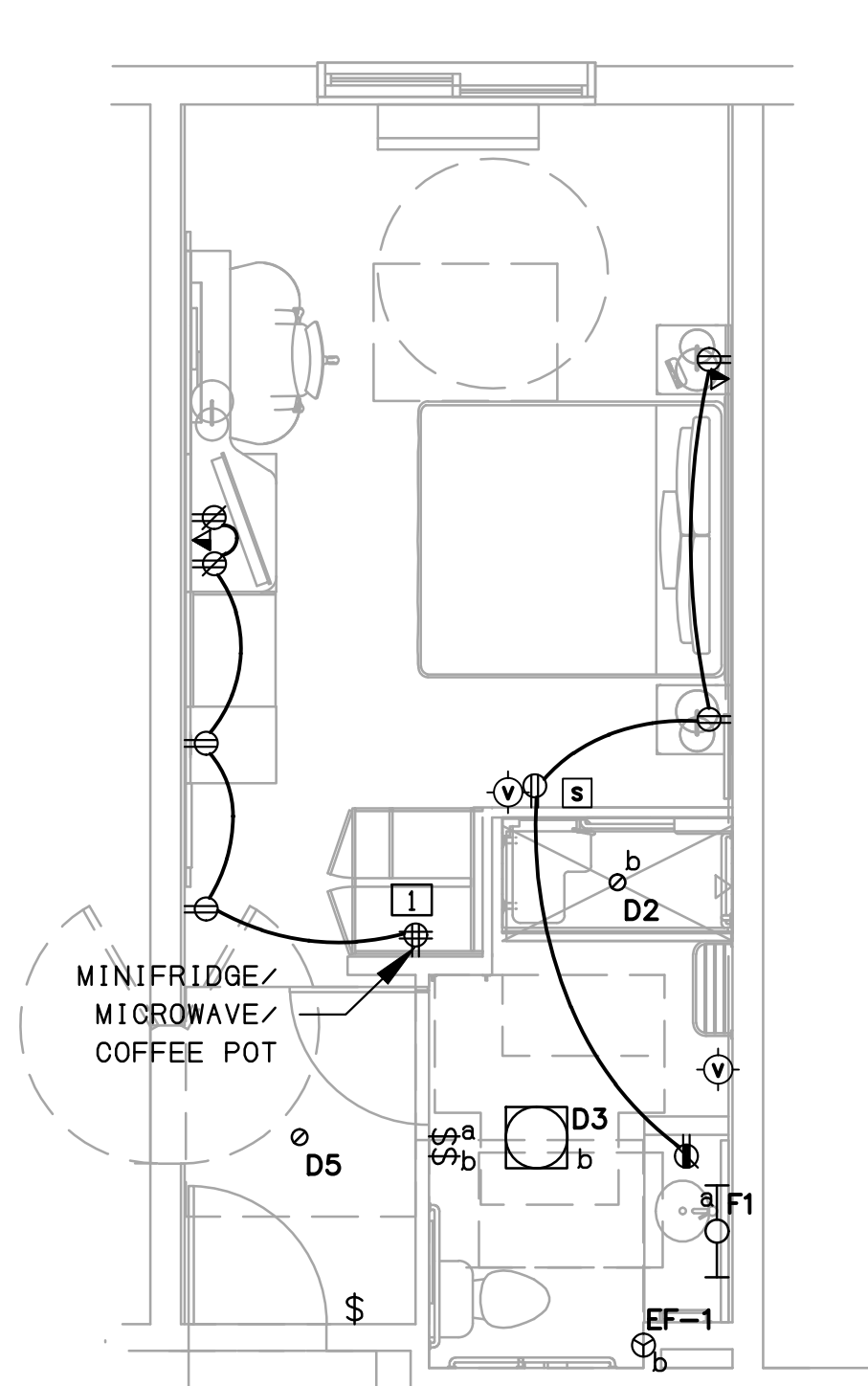


1 SITE PLAN - LIGHTING - ELECTRICAL
 1/16" = 1'-0"

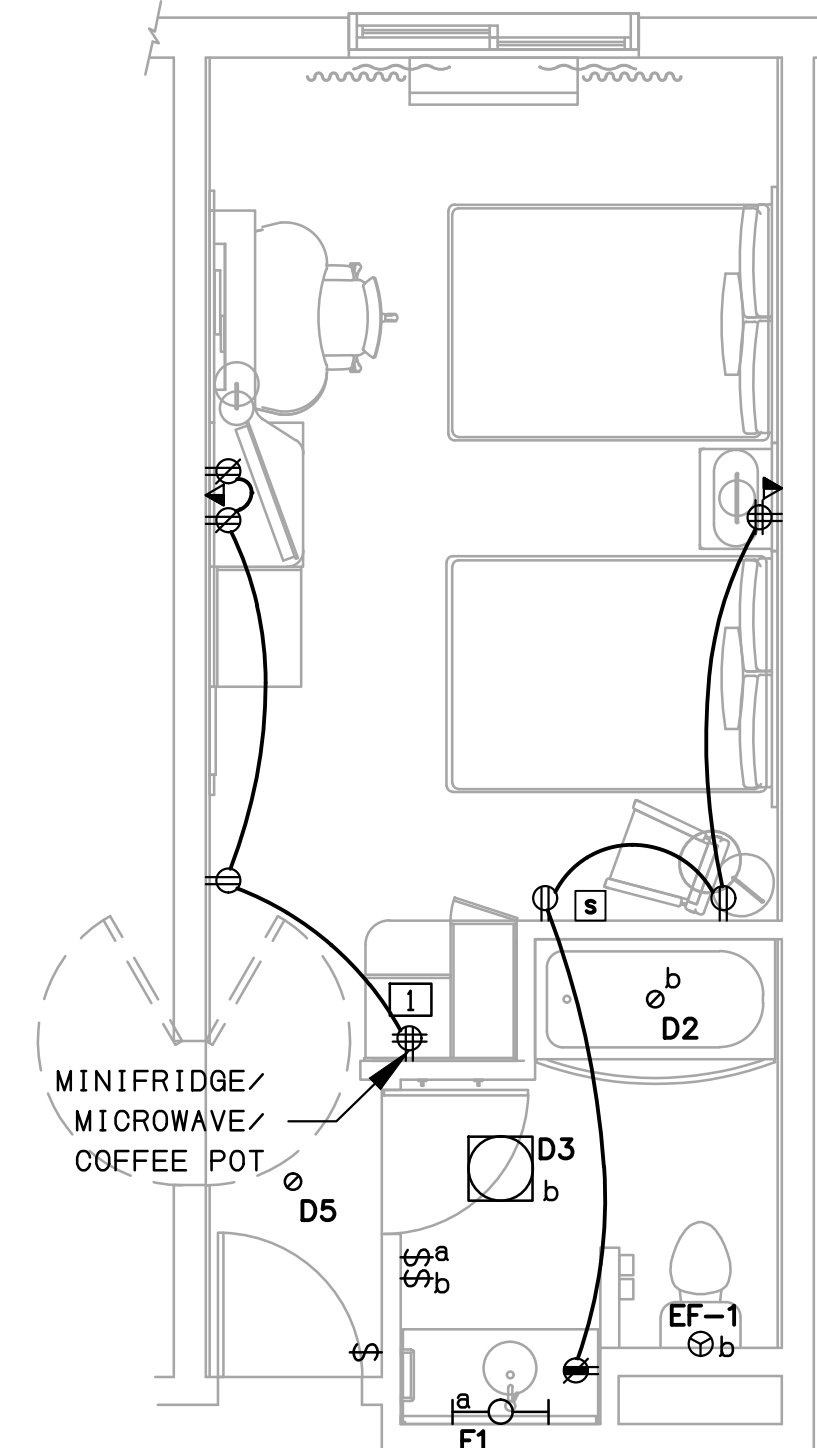




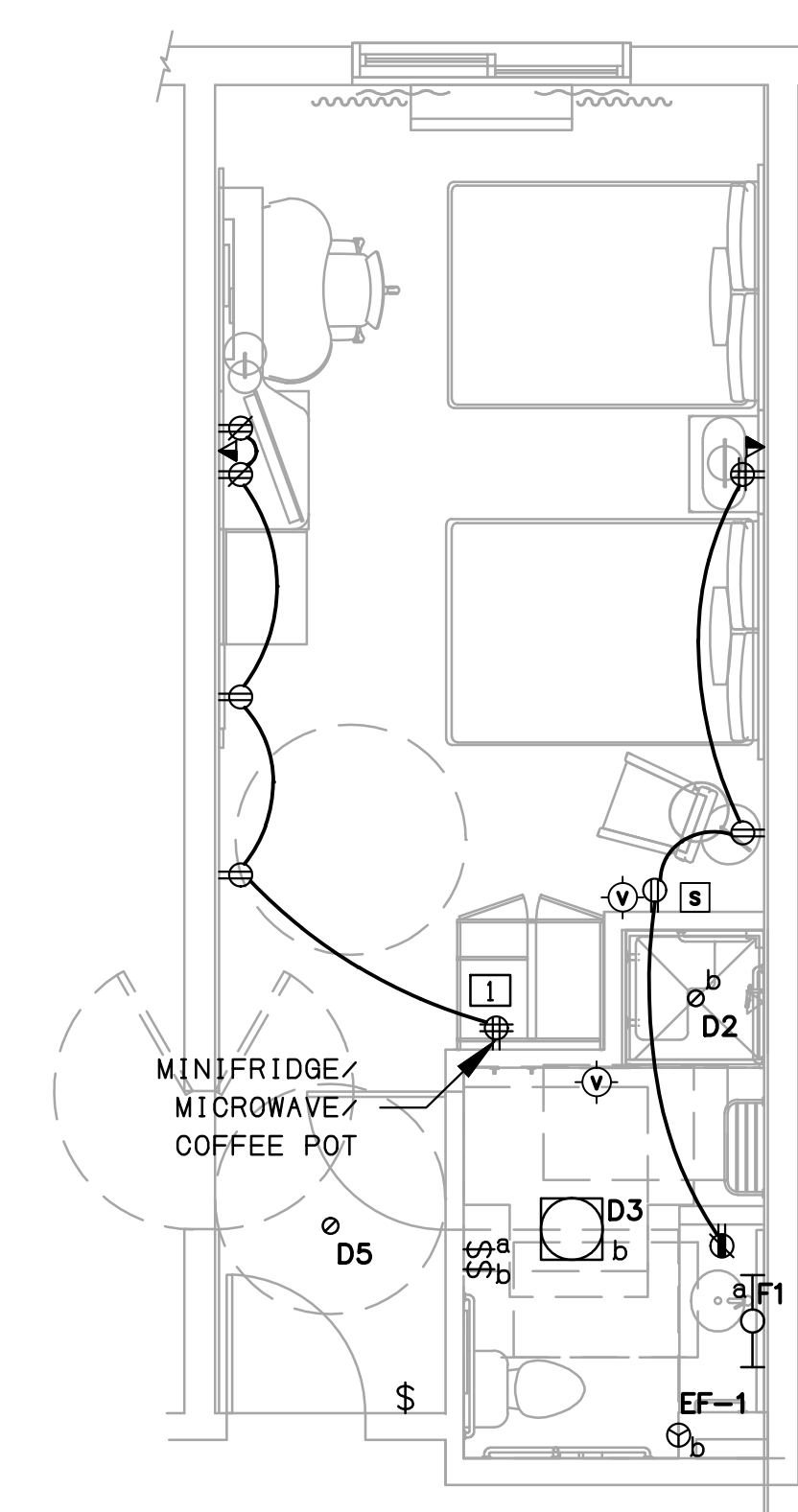
① **PLAN - KING - ELECTRICAL**
1/4" = 1'-0"



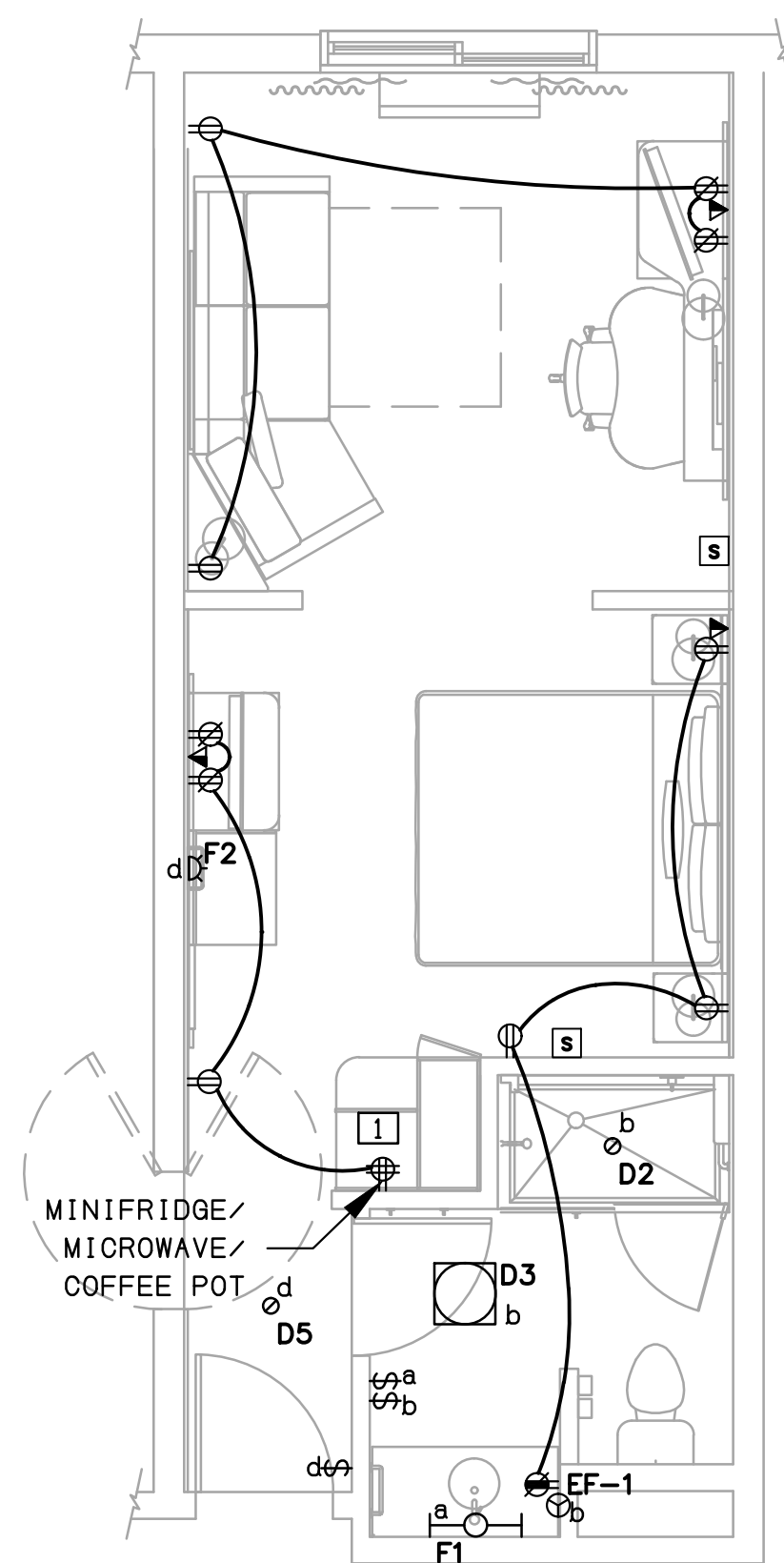
② **PLAN - KING ADA - ELECTRICAL**
1/4" = 1'-0"



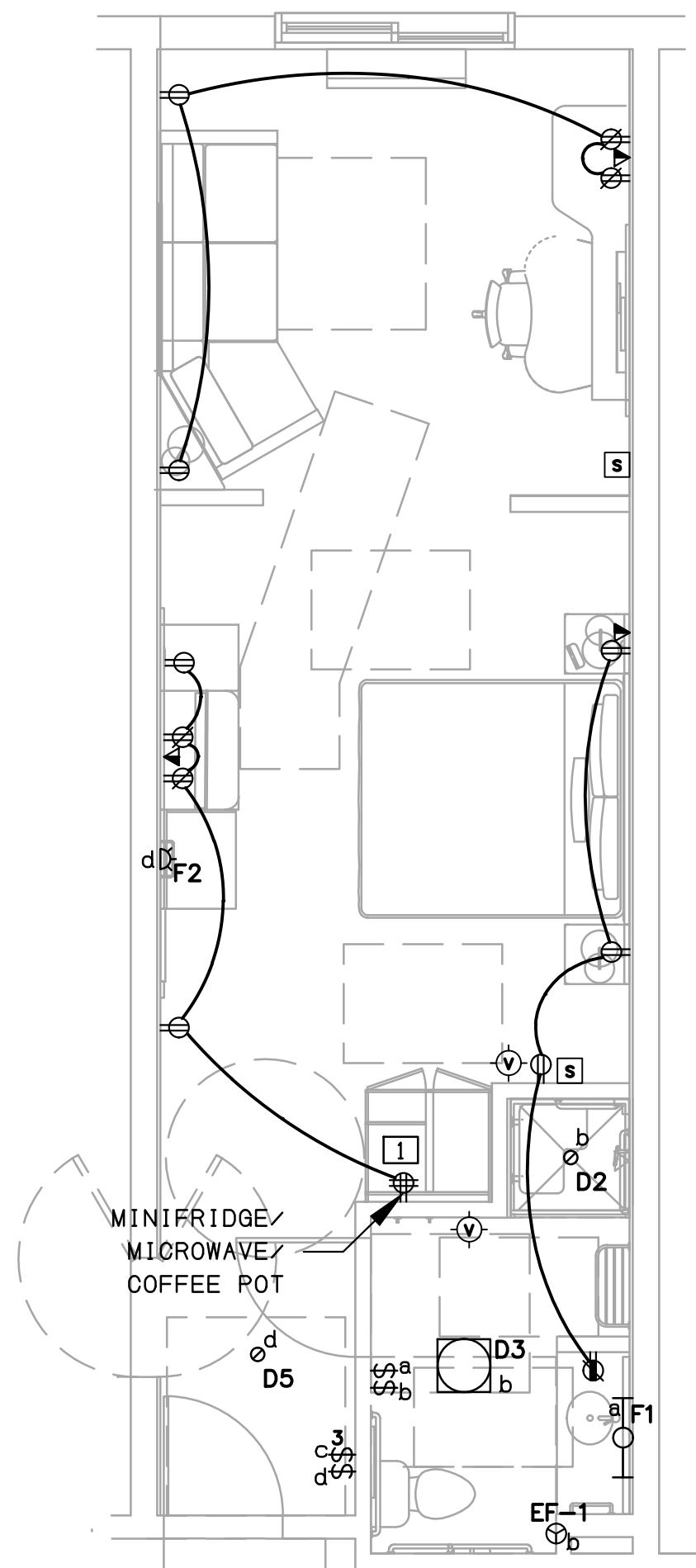
③ **PLAN - QUEEN/QUEEN - ELECTRICAL**
1/4" = 1'-0"



④ **PLAN - QUEEN/QUEEN ADA - ELECTRICAL**
1/4" = 1'-0"



⑤ **PLAN - KING SUITE - ELECTRICAL**
1/4" = 1'-0"



⑥ **PLAN - KING SUITE ADA - ELECTRICAL**
1/4" = 1'-0"

ENLARGED GUESTROOM NOTES

1. ALL HOMERUNS, WHERE WIRE SIZE IS NOT SPECIFIED, ARE #12 AWG.
2. CONTRACTOR SHALL PROVIDE TAMPER-RESISTANT RECEPTACLES FOR ALL DEVICES IN GUEST ROOMS.
3. ALL GUESTROOM EXHAUST FANS ARE TO BE CIRCUITED AND INTERLOCKED WITH BATHROOM LIGHTING. SEE MECHANICAL SHEETS FOR DETAILS.
4. ALL SMOKE DETECTORS IN GUESTROOMS SHALL HAVE A SOUND BASE.
5. SEE ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION AND DETAILS REGARDING EACH ROOM TYPE.
6. DOORBELL SWITCH, LIGHT, & DISCONNECT SWITCH TO BE PROVIDED IN HEARING IMPAIRED & ADA GUESTROOMS. COORDINATE REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.
7. ALL GUEST ROOMS SHALL BE PROVIDED WITH ARC-FAULT CIRCUIT INTERRUPTER PROTECTION.
8. ALL LIGHTING SHALL BE CIRCUITED TOGETHER. RECEPTACLES ARE TO BE CIRCUITED TOGETHER AS SHOWN. SUITES SHALL HAVE 3 RECEPTACLES CIRCUITS AND NON-SUITES SHALL HAVE 2 RECEPTACLE CIRCUITS.

KEYED NOTES

1. COORDINATE FINAL RECEPTACLE HEIGHT WITH ARCHITECT/OWNER.

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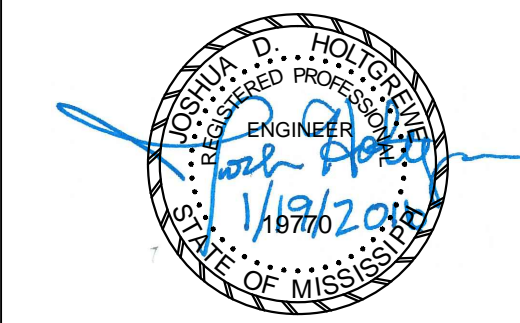
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1	01/19/2016	FOR CONSTRUCTION
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DRAWING NAME:

ENLARGED GUESTROOMS -
ELECTRICAL

DRAWN BY: TCH

CHECKED BY: JDH

DATE: 01-19-16

SCALE: AS NOTED

DRAWING NUMBER

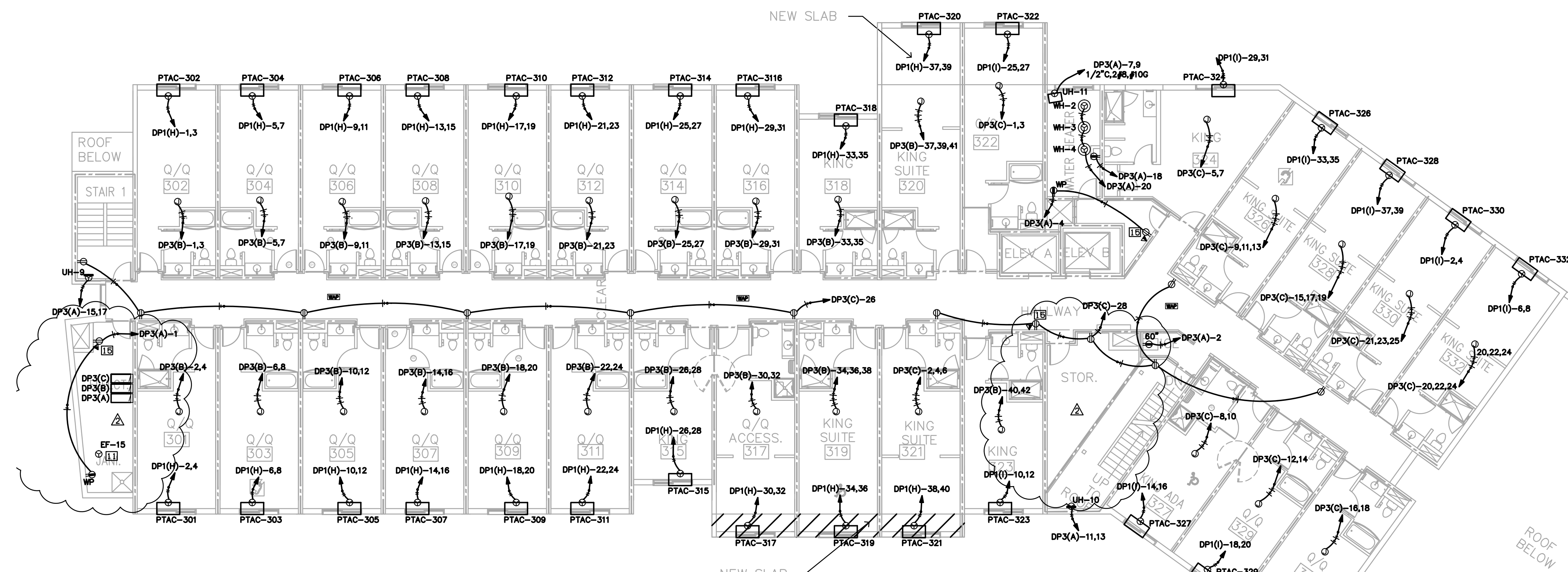
E203

KEYED NOTES

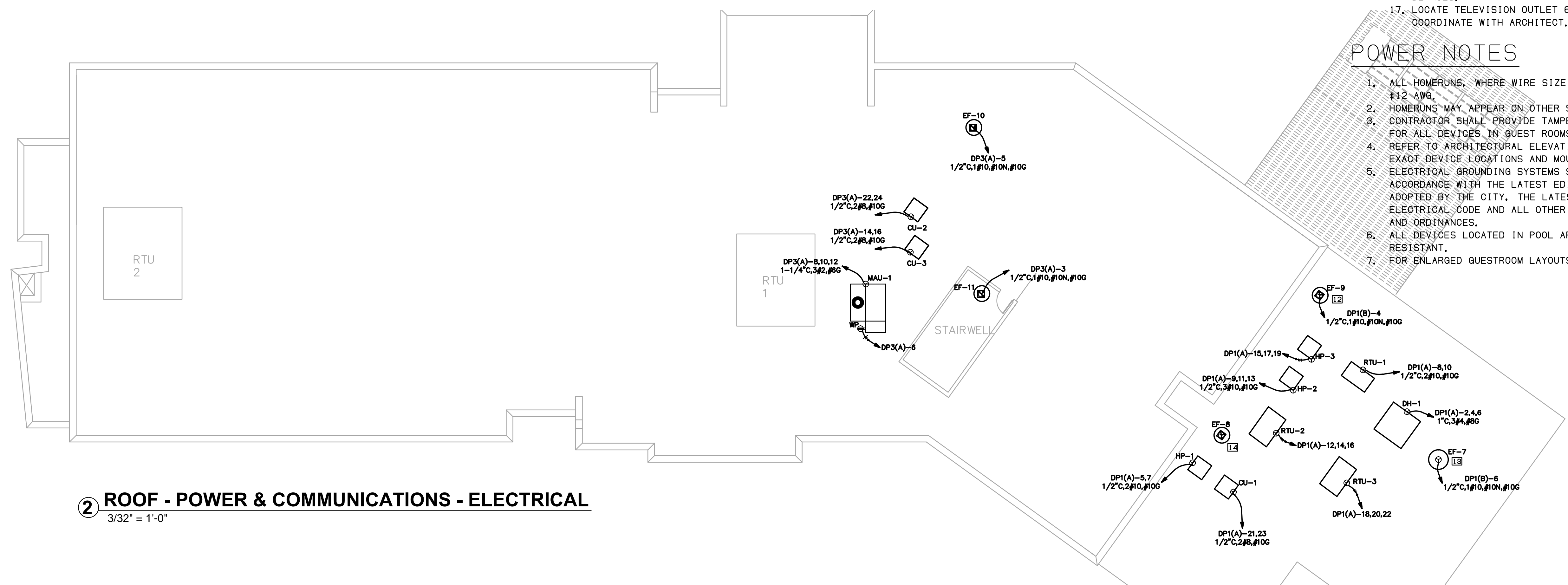
1. PROVIDE NEMA 6-15R RECEPTACLES FOR DRYER. VERIFY EXACT PLUG CONFIGURATION WITH ACTUAL DRYER PURCHASED.
2. PROVIDE NEMA 6-20R RECEPTACLE FOR WASHER. VERIFY EXACT PLUG CONFIGURATION WITH ACTUAL WASHER PURCHASED.
3. DEVICES MOUNTED IN ELEVATOR PIT PER NEC 620.24.
4. DISCONNECTING MEANS FOR CONNECTION TO ELEVATOR CAB LIGHTS. PROVIDE FUSIBLE DISCONNECT SWITCH, OR CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC 620.53. PROVIDE DEDICATED BRANCH CIRCUIT.
5. PROVIDE 600V, NEMA 1, FUSIBLE DISCONNECT. SIZE DISCONNECT AND FUSE ACCORDINGLY TO ELEVATOR MANUFACTURER DATA. PROVIDE SHUNT TRIP OPERATOR PER ANSI/ASME ELEVATOR CODE AND NEC 620.51 TO REMOVE POWER FROM ELEVATOR SUPPLY CONDUCTORS UPON ACTIVATION OF PRE-ACTION SPRINKLER FIRE ALARM DEVICES. COORDINATE WITH SPRINKLER AND ELEVATOR CONTRACTORS.
6. J-BOX ABOVE CEILING FOR POWER TO AUTOMATIC DOORS. PROVIDE CONTROL POWER CONDUIT TO RECEPTION DESK FOR INTERIOR VESTIBULE DOORS ONLY.
7. PROVIDE FLUSH FLOOR BOX FOR POWER OUTLET. FLOOR BOX SHALL INCLUDE HINGED COVER PLATE AND CARPET FLANGE. COORDINATE EXACT LOCATION WITH EXERCISE EQUIPMENT AND ARCHITECT PRIOR TO ROUGH-IN. (TYPICAL)
8. PROVIDE IT TELEPHONE BACKBOARD AND GROUND BUS BAR PER DETAIL. COORDINATE ADDITIONAL REQUIREMENTS WITH OWNER.
9. PROVIDE CONNECTION TO BUILDING SIGNAGE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DETAILS. COORDINATE CONNECTION REQUIREMENTS WITH SIGNAGE VENDOR.
10. PROVIDE (1)-3/4" CONDUIT FOR POWER AND (1)-3/4" CONDUIT FOR DATA/VOICE BELOW FLOOR. ROUTE UP IN WALL TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON END. SEE ARCHITECTURAL DETAILS.
11. CONTRACTOR SHALL INTERLOCK EXHAUST FANS WITH LIGHTING CIRCUIT/SWITCH. SEE MECHANICAL DRAWINGS FOR DETAILS.
12. CONTRACTOR SHALL PROVIDE SWITCH FOR EXHAUST FAN IN REGISTRATION AREA. COORDINATE EXACT LOCATION OF SWITCH WITH OWNER.
13. CONTRACTOR SHALL PROVIDE SWITCH FOR EXHAUST FAN IN POOL EQUIPMENT ROOM.
14. CONTRACTOR SHALL INTERLOCK EXHAUST FAN WITH FOOD PREP KITCHEN LIGHTING.
15. PROVIDE HOUSEPHONE CONNECTION. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
16. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL DETAILS.
17. LOCATE TELEVISION OUTLET 6" BELOW CEILING. COORDINATE WITH ARCHITECT.

POWER NOTES

1. ALL HOMERUNS, WHERE WIRE SIZE IS NOT SPECIFIED, ARE #12 AWG.
2. HOMERUNS MAY APPEAR ON OTHER SHEETS WITHIN SERIES.
3. CONTRACTOR SHALL PROVIDE TAMPER-RESISTANT RECEPTACLES FOR ALL DEVICES IN GUEST ROOMS.
4. REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
5. ELECTRICAL GROUNDING SYSTEMS SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NEC AS ADOPTED BY THE CITY, THE LATEST EDITION OF THE ICC ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES AND ORDINANCES.
6. ALL DEVICES LOCATED IN POOL AREA SHALL BE CORROSION RESISTANT.
7. FOR ENLARGED GUESTROOM LAYOUTS, SEE SHEET "E203".



1 THIRD FLOOR - POWER & COMMUNICATIONS - ELECTRICAL
3/32" = 1'-0"



2 ROOF - POWER & COMMUNICATIONS - ELECTRICAL
3/32" = 1'-0"

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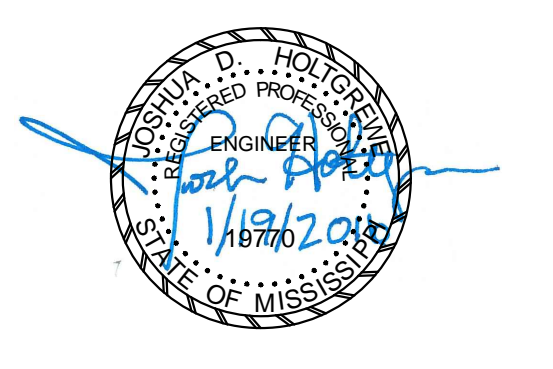
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FORM, WITHOUT THE WRITTEN CONSENT OF -
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SCALE THESE DRAWINGS. USE GIVEN
DIMENSIONS ONLY. IF NOT SHOWN, VERIFY
CORRECT DIMENSIONS WITH THE ARCHITECT.
CONTRACTOR SHALL VERIFY ALL DIMENSIONS
PRIOR TO INSTALLATION OF THE WORK
DESCRIBED HEREIN.

CONSULTANTS

ISSUES & REVISIONS

NO.	DATE	DESCRIPTION
1	01/19/2016	FOR CONSTRUCTION
2	03/11/2016	REVISION # 2

PROJECT NAME:

PROJECT NUMBER:

DRAWING NAME:

THIRD FLOOR & ROOF PLAN -
POWER & COMMUNICATIONS -
ELECTRICAL

DRAWN BY: TCH

CHECKED BY: JDH

DATE: 01-19-16

SCALE: AS NOTED

DRAWING NUMBER



E302

