

1. ALL WORK SHALL COMPLY WITH THE 2015 NATIONAL ELECTRICAL CODE, 2015 INTERNATIONAL BUILDING CODES AND ALL APPLICABLE STATE AND LOCAL ORDINANCES.
2. ALL MATERIAL SHALL BE NEW, UNDAMAGED AND UNBLEMISHED EXCEPT AS NOTED.
3. OBTAIN ALL PERMITS REQUIRED TO DO THIS WORK AND PAY ANY FEES REQUIRED FOR SUCH PERMITS.
4. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF OWNER ACCEPTANCE, WORK OR EQUIPMENT FOUND TO BE SUBSTANDARD OR FAULTY SHALL BE CORRECTED DURING THIS PERIOD AT NO COST TO THE OWNER. LAMPS ARE EXCLUDED FROM THIS GUARANTEE.
5. SEAL PERIMETER JOINT OF ALL CONDUITS PASSING THROUGH WALLS WITH UL LISTED, G.E. SILICONE COMPOUND OF COLOR SELECTED BY THE ARCHITECT.
6. ALL WORK SHALL BE GROUNDING TO COMPLY WITHOUT EXCEPTION WITH ALL PROVISIONS OF ARTICLE 250 OF THE 2015 NATIONAL ELECTRICAL CODE.
7. PROVIDE TEMPORARY SERVICE AS REQUIRED FOR CONSTRUCTION POWER AND REMOVE SUCH TEMPORARY SERVICE WHEN WORK IS COMPLETED.
8. MAKE ALL ARRANGEMENTS WITH LOCAL POWER COMPANY AND DO ALL WORK NECESSARY TO PROVIDE PERMANENT SERVICE TO THE BUILDING.
9. SAFETY SWITCHES SHALL BE GENERAL DUTY AS MANUFACTURER AS PANEL BOARDS, ETC.
10. PANEL BOARDS SHALL BE SQUARED D OR G.E., OR CUTLER-HAMMER AND BUSSING SHALL BE COPPER ONLY.
11. ALL FUSES SHALL BE BUSSMAN "CURRENT LIMITING" TYPE UNLESS O/W INDICATED.
12. CONDUIT RUN IN BUILDING SHALL BE CONCEALED IN WALLS OR ABOVE CEILING AND SHALL BE E.M.T. (USE GALVANIZED WHERE EXPOSED). UNDERGROUND FEEDER RUN 30" BELOW GRADE CAN BE SCHEDULE 80 FVC WITH GROUND WIRE SIZED IN ACCORDANCE WITH THE 2015 NATIONAL ELECTRICAL CODE.
13. ALL WIRE SHALL BE COPPER USING TYPE "THWN/THHN" UNLESS OTHERWISE INDICATED ON THE PLANS.
14. COORDINATE COLOR AND STYLE OF WIRING DEVICES (HUBBELL) WITH THE ARCHITECT. SPECIFICATIONS SHOULD BE ON DRAWINGS.
15. COORDINATE ALL CONTROL REQUIREMENTS FOR THE HVAC SYSTEMS WITH THE CONTRACTORS. PROVIDE POWER (TO A/C CONTROL PANEL WHEN USED) AND EMPTY 3/4" CONDUIT (WITH PULL-STRING) FOR CONTROL WIRING.
16. COORDINATE LOCATION OF TELEPHONE OUTLETS WITH THE OWNER. PROVIDE 3/4" CONDUIT (W/PULL-STRING) FOR PHONE WIRING.
17. PROVIDE SPECIFIED LIGHT FIXTURES WITH FINAL LOCATIONS PER THE ARCHITECT.
18. ALL SWITCHES @ +48" AFF & ALL RECEPTACLES @ +18" AFF UNLESS O/W INDICATED.
19. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES TO AVOID ANY CONFLICTS. ANY CORRECTIONS REQUIRED TO SATISFY CODE REQUIREMENTS OR CLIENT NOTED DEFICIENCIES SHALL BE MADE AT NO COST TO THE OWNER.
20. ALL DIMMERS SHALL BE LUTRON "NOVA" SERIES SLIDE TYPE OR APPROVED EQUAL.
21. ALL ELECTRICAL EQUIPMENT AND INSTALLATIONS SHALL BE OF ADEQUATE STRENGTH TO WITHSTAND, WITHOUT FAILURE, FORCES ENCOUNTERED IN APPLICABLE SEISMIC CATEGORY.
22. PROVIDE A COMPLETE DEEPE COORDINATION STUDY WITH RECOMMENDED INTERRUPTING RATINGS AND SETTINGS FOR ALL ADJUSTABLE TRIP DEVICES. PROVIDE ARC FLASH LABELING PER NEC REQUIREMENTS
23. ROUTE A MAXIMUM OF 3 PHASE CONDUCTORS, 3 NEUTRALS, AND GROUND IN A SINGLE HOME RUN CONDUIT.
24. ALL WIRING SHALL BE RUN CONCEALED WHERE FEASIBLE. CONTRACTOR TO PROVIDE WIREMOULD SYSTEM TO CONCEAL WIRING IN EXPOSED CEILING AREAS. SUBMIT SHOP DRAWING FOR APPROVAL.
25. PROVIDE A GREEN CONTINUOUS INSULATED #6 MIN EQUIPMENT GROUNDING CONDUCTOR TO ALL ELECTRICAL , TELECOMMUNICATIONS, AND SECURITY EQUIPMENT SIZED PER NEC 250.122 AND EIA/TIA.

SYMBOL LIST					
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED	SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
	FLUORESCENT LIGHT FIXT. W/LETTER DESIG.	SURFACE/ WALL		INTERCOM	
	STRIP FLUORESCENT LIGHT W/LETTER DESIG.	SURFACE		DOOR RELEASE	
	LIGHT FIXTURE WITH LETTER DESIGNATION	RECESSED OR SURFACE		SURESS ALARM BUTTON	
	LIGHT FIXTURE WITH LETTER DESIGNATION	WALL		CARD READER	
	EMERGENCY LIGHT FIXTURE W/BATTERY PACK	WALL		PUSH BUTTON FOR DOOR SIGNAL	
	EMERGENCY LIGHT FIXTURE W/REMOTE BATTERY	WALL		ELECTRIC STRIKE	
	EXIT LIGHT W/LTR. DESIG. (SHADE IND. FACE)	CEILING		SECURITY CAMERA	
	EXIT LIGHT W/LTR. DESIG. (SHADE IND. FACE)	WALL		EMERGENCY PANIC BUTTON	
	LANDSCAPE LIGHTING			CEILING MOUNTED SOUND SYSTEM SPEAKER	
\$	SINGLE POLE SWITCH	WALL - 48" AFF		DURESS ALARM	
\$3	THREE-WAY SWITCH	WALL - 48" AFF		SOUND CABINET	
\$P	SWITCH WITH PILOT LIGHT	WALL - 48" AFF		VOLUME CONTROL	
\$D	DIMMER SWITCH	WALL - 48" AFF		MAGNETIC HOLD-OPEN DEVICE ACTIVATED (BY FA SYSTEM)	
	GUESTROOM ANNUNCIATOR PUSHBUTTON	WALL - 48" AFF		'HOME RUN' W/2 CONDUCTORS	
	DIMMER SWITCH	WALL - 48" AFF		CONDUIT RUN W/3 HOTS & 1 NEUTRAL	
	TRANSFORMER	ABOVE CEILING		CONDUIT RUN W/3 HOTS, 1 NEUT., 1 GRD.	
	MOTION SENSOR SWITCH	CEILING			
	MOTION SENSOR SWITCH-WATTSTOPPER WS-120	WALL - 48" AFF		INDICATES HANDICAP ACCESS SUITE	
	QUAD-PLEX RECEPTACLE - 20A	FLOOR		INDICATES HEARING IMPAIRED SUITE	
	DUPLEX RECEPTACLE - 20A	WALL - 18" AFF	a,b,c,...	SWITCHING SCHEME	
	QUAD-PLEX RECEPTACLE - 20A	WALL - 18" AFF	AFF	ABOVE FINISHED FLOOR	
	QUAD-PLEX RECEPTACLE - 20A C/W TWO USB PORTS	WALL - 18" AFF	AFG	ABOVE FINISHED GRADE	
	QUAD-PLEX RECEPTACLE - 20A C/W TWO USB PORTS	WALL - 18" AFF	DF	DRINKING FOUNTAIN	
	SPLIT DUPLEX REC. W/LOWER OUTLET SWITCHED - 20A	WALL - 18" AFF	E	INDICATES DEVICE ON EMERGENCY CIRCUIT	
	GF DUPLEX RECEPTACLE - 20A	WALL - 18" AFF	EOL	END-OF-LINE DIODE	
	GF QUAD-PLEX RECEPTACLE - 20A	WALL	GFI	GROUND FAULT INTERRUPTER	
	SPECIAL OUTLET (SEE SCHEDULE)	FLOOR	IG	ISOLATED GROUND	
	SPECIAL OUTLET (SEE SCHEDULE)	WALL	NL	NIGHT LIGHT	
	TELEPHONE OUTLET	FLOOR	U.G	WEATHER PROOF	
	TELEPHONE OUTLET	WALL - 18" AFF	WAP	WIRELESS ACCESS POINT	
	PAY TELEPHONE OUTLET	WALL - 42" AFF	WP	WEATHER PROOF	
	TELEVISION OUTLET	WALL - 18" AFF			
	FLOOR TELEVISION OUTLET	FLOOR			
	SECURITY CAMERA	CEILING			
	CARD READER				
	DATA OUTLET	WALL - 18" AFF			
	JUNCTION BOX				
	SAFETY SWITCH	AS NOTED			
	FUSTAT - BUSSMAN	ON EQUIPMENT			
	MOTOR				
	THERMOSTAT	WALL - 60" AFF			
	DUPLEX VOICE/DATA OUTLET	WALL - 18" AFF			
	FLOOR DUPLEX VOICE/DATA OUTLET	FLOOR			
	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF			
	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF			
	GUESTROOM ANNUNCIATOR AUDIO	WALL - 6"-8" AFF			
	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF			
	STROBE LIGHT	WALL - 6"-8" AFF			
	FIRE BELL	WALL			
	SMOKE DETECTOR	CEILING			
	SMOKE DETECTOR	WALL			
	DUCT DETECTOR	IN MECH. DUCT			
	HEAT DETECTOR	CEILING			
	MAGNETIC DOOR HOLDER	WALL			
	SPECIAL DEVICE (AS NOTED)				
	SHUT DOWN RELAY				
	FLOW SWITCH (SPRINKLER)				
	TAMPER SWITCH (SPRINKLER)				
	EMERGENCY SHUT-OFF SWITCH AND TIMER				
	ELECTRICAL PANELBOARD (SURFACE MTD.)				

1. CONTRACTOR TO CLARIFY THE MODEL/BRAND NAME OF SWITCHES, RECEPTACLES, DATA/TEL OUTLET, TV OUTLET WITH FRANCHISE/OWNER PRIOR TO PLACING ORDERS/ INSTALLATION.
2. WATTSTOPPER No.CX-105 WITH No.A120E-P POWER PACK.
3. INSTALL 3/4" CONDUIT WITH PULL STRING FROM OUTLET TO PBX ROOM. COMBINE (2) TELEPHONE OUTLETS PER HOME RUN. TYPICAL FOR COMMON AREAS, SEE PLANS FOR GUESTROOM REQUIREMENTS.
4. INSTALL 3/4" CONDUIT WITH PULL STRING FROM OUTLET TO NETWORK RM. TYP. FOR COMMON AREAS, SEE PLANS FOR GUESTROOM REQUIREMENTS.
5. INSTALL 3/4" CONDUIT WITH PULL STRING FROM CAMERA LOCATIONS IN STAIRWELLS TO ABOVE SECOND FLOOR ACCESSIBLE CEILING. ALL OTHER CAMERAS SHALL HAVE 3/4" CONDUIT WITH PULL STRING INSTALLED FROM CAMERA LOCATIONS TO SECURITY MONITOR. COORDINATE ALL EQUIPMENT LOCATIONS WITH SECURITY SYSTEM VENDOR.
6. PROVIDE PILOT SWITCH WITH INDICATING LIGHT. LIGHT TO BE ON WHEN EQUIPMENT IS OPERATING. ENGRAVE NAME PLATE WITH NAME OF EQUIPMENT CONTROLLED.
7. AUDIO/VISUAL DEVICE, TRANSFORMER AND PUSHBUTTON FOR GUESTROOM ANNUNCIATOR SHALL BE AS MANUFACTURED BY EDWARDS, KIT No.7004 PROVIDE ADDITIONAL AUDIO/VISUAL DEVICE WHERE SHOWN ON DRAWINGS, EDWARDS CATALOG No.6536-F5.
8. CONDUIT SIZE SHALL BE MINIMUM 1/2". CONDUCTOR SIZE SHALL BE MINIMUM No.12 CU AWG. CONDUCTOR SIZES INDICATED AT 'HOME RUN' SHALL BE CARRIED THROUGHOUT ENTIRE CIRCUIT RUN, UNLESS NOTED OTHERWISE ON PLANS. #14 MINIMUM SHALL BE USED FOR CONTROLS.

SYMB.	DESCRIPTION	OUTLET
Ⓐ	PTAC OUTLET: 20A, 2P, 3W, 250V, NEMA 6-20 RECEPTACLE, HUBBELL No.5461. INSTALL WITHIN PTAC SUB-BASE.	
Ⓑ	DUPLEX GFCI RECEPTACLE: 20A, 2P, 3W, 125V, AND 20A, 1P, 120V. SWITCH FOR DISPOSER WITH LEVITON No.80405-1 IVORY COVER PLATE. MOUNT IN 2-GANG OUTLET BOX.	
Ⓒ	FITNESS ROOM FLOOR OUTLET: 30A, 2P, 3W, 125V, NEMA 5-30 DUPLEX RECEPTACLE, HUBBELL No.5362, MOUNTED IN A WALKER No.88051 FLOOR BOX WITH A No. 828PR-BLK BLACK COVER PLATE AND A No.817PC-BLK BLACK CARPET FLANGE.	
Ⓓ	GENERAL FLOOR OUTLET: 20A, 2P, 3W, 125V, NEMA 5-20 DUPLEX RECEPTACLE, HUBBELL No.5362, MOUNTED IN A WALKER No.88051 FLOOR BOX WITH A No.828PR-BLK BLACK COVER PLATE AND A No.817PC-BLK BLACK CARPET FLANGE.	
Ⓔ	BUFFET OUTLET: (2) 20A, 2P, 3W, 125V, NEMA 5-20R DUPLEX RECEPTACLES, HUBBELL No. 5362, MOUNTED IN A TWO GANG SURFACE MOUNTED OUTLET BOX WITH COVERPLATE MOUNTED INSIDE MILLWORK OF CABINETRY.	
Ⓕ	NETWORK ROOM RECEPTACLE: 30A, 2P, 3W, 125V. TWISTLOCK RECEPTACLE NEMA L5-30. HUBBELL No.HBL2810 WITH No.P720B COVERPLATE.	
Ⓖ	NETWORK ROOM RECEPTACLE: 20A, 3W, 125V. TWISTLOCK RECEPTACLE NEMA L5-15P. HUBBELL No.4710A WITH No.S720 COVERPLATE.	
Ⓖ	FLASH-BAKE OVEN OUTLET: 60A, 3P, 4W, 125/250V, NEMA 14-60 RECEPTACLE, HUBBELL No.7301A. PROVIDE MATCHING PLUG FOR EQUIPMENT.	
Ⓖ	COMPUTER OUTLET: 20A, 2P, 3W, 125V, NEMA 5-15R DUPLEX RECEPTACLE HUBBELL No.IG5262 INSTALLED IN THE WALL WITH HUBBELL No.PJBC COVERPLATE. COVERPLATE SHALL BE PERMANENTLY MARKED "COMPUTER ONLY".	
Ⓕ	PTAC OUTLET: 30A, 2P, 3W, 250V, NEMA-6-30 RECEPTACLE HUBBELL No.HBL9330 TO BE INSTALLED WITHIN SUB-BASE.	
Ⓖ	FLOOR BOX HUBBELL No.3FBSS WITH 3SFCB COVER PLATE (VERIFY COLOR WITH ARCH.). INSTALL NEMA-5-20R DUPLEX RECEPTACLE AND 3/4" CONDUIT FROM J-BOX TO ACCESSIBLE CEILING (CONDUIT FOR DATA/PHONE). INSTALL PLASTIC BUSHING ON END OF CONDUIT AND PULL STRING FOR FUTURE USE.	
Ⓕ	THEATRE VGA/POWER OUTLET. HUBBLE FRAME No. IMF20W (VERIFY COLOR WITH ARCH.). INSTALL NEMA-5-20R DUPLEX RECEPTACLE AND HUBBELL VGA MODULE No.IM15ST110W. INSTALL HUBBELL PLATE No.IP1B0W AND HUBBELL PLATE No. IPF1260W. ROUTE 3/4" CONDUIT FROM J-BOX TO ACCESSIBLE CEILING (CONDUIT FOR VGA CABLE). INSTALL PLASTIC BUSHING ON END OF CONDUIT AND PULL STRING FOR FUTURE USE.	

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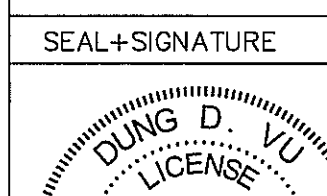
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DRAWING NAME

LIGHTING FIXTURES SCHEDULE

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DATE 03/11/19

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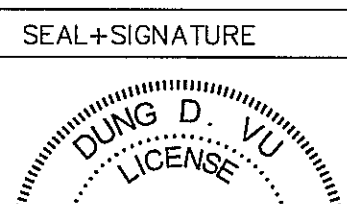
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ELECTRICAL LOAD ANALYSIS

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ELECTRICAL LOAD ANALYSIS (NEC 2015 ARTICLE 220)						
LOAD		KW	AMP'S @ 480/277V, 3P,4W			
A.	LOAD:		PHASE "A"	PHASE "B"	PHASE "C"	NEUTRAL
	1. MAU-1	99.76	120	120	120	
	2. 25% LARGEST MOTOR (MAU-1)	24.94	30	30	30	
B.	USE 300 KVA STEPDOWN TRANSFORMER (T1) FROM 480V/277V/3P,3W TO 208V/120V/3P/4W	473.35	569	569	569	288
C.	USE 225 KVA STEPDOWN TRANSFORMER (T2) FROM 480V/277V/3P,3W TO 208V/120V/3P/4W	193.02	232	232	232	105
D.	USE 225 KVA STEPDOWN TRANSFORMER (T3) FROM 480V/277V/3P,3W TO 208V/120V/3P/4W	197.77	236	238	238	111
F.	TOTAL DEMAND LOAD:	988.84	1,189	1,189	1,189	504
G.	WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING		3-600KCMIL CU, THWN	3-600KCMIL CU, THWN	3-600KCMIL CU, THWN	3-600KCMIL CU, THWN
H.	AMPACITY		1,260	1,260	1,260	1,260
I.	SERVICE CAPACITY(MDP) (A)		1,260	1,200	1,200	1,200

ELECTRICAL LOAD ANALYSIS (NEC 2015 ARTICLE 220)						
LOAD		KW	AMPS @ 208/120V, 3P,4W			
LOAD FOR STEP DOWN TRANSFORMER (T1):			PHASE "A"	PHASE "B"	PHASE "C"	NEUTRAL
A.	LIGHTING LOAD:					
1.	A. EXTERIOR LIGHTS: (SIGNS, LIGHTS SITE,...)	22.52	63	63	63	63
	B. INTERIOR LIGHTS: (LAUNDRY, CUPBOARD, FITNESS CENTER, LOBBY, CORRIDORS, STAIRS,...)	30.10	84	84	84	84
	TOTAL	52.62	146	146	146	146
2	A. 25% OF 1	13.16	37	37	37	37
B.	GUEST ROOMS UNIT LOADS FOR 1ST & 2ND FLOOR: (Table 220.12 & 42)					
1.	11,700 SF x 2W =23,400W - FIRST 20,000W @ 50%	10.00	28	28	28	28
	REMAINING 3,400W @ 40%	1.36	4	4	4	4
	VANITY RCPTS @ 180VA X 32 UNITS	5.76	16	16	16	16
3.	A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @ 1.95KW x 32 UNITS	62.72	174	174	174	
4.	REFRIG/MICO WAVE UNIT 32 @ 1.00KW	32	89	89	89	89
C.	HOUSE LOADS:					
1.	DRYER 3@1.5KW & 1@.5 kW	9.5	26	26	26	
2.	WASHER 3@.6KW & 1@1.5 kW	19.8	55	55	55	15
3.	VENDING ICE MACHINE 2@1.5	3	12.5	12.5	12.5	25
4.	GENERAL RCPTS 215@180VA FIRST 10,000W @ 100%	10	28	28	28	28
	REMAINING 28700 W @ 50%	14.4	40	40	40	40
5.	SERVICES EQUIPMENT 59.2KW@.65	38.48	107	107	107	107
6.	MISCELLANEOUS (FIRE ALARM, DOOR MOTOR, TEL BOARD, ELEVATOR CONTROLLER ETC.)					
		15	42	42	42	42
D.	MECHANICAL LOADS:					
1.	MECHANICAL FANS	6.45	18	18	18	18
2.	AHU'S (HEATING)	119.3	331	331	331	
3.	PUMPS	26.1	72	72	72	72
4.	ELEVATOR: 2@20HP	83	83	83	83	
5.	25% LARGEST MOTOR (ELEVATOR)	3.75	10	10	10	10
E.	TOTAL DEMAND LOAD:	473.4	1314	1,314	1,314	665
F.	WIRE: (TABLE 310.15)(B)(16) @ 75°C (167°F) RATING		4-600KCMIL CU, THWN	4-600KCMIL CU, THWN	4-600KCMIL CU, THWN	4-600KCMIL CU, THWN
G.	AMPACITY		1,680	1,680	1,680	1,680
H.	SERVICE CAPACITY (LDP1)(A)		1,600	1,600	1,600	1,600
I.	USE 500 KVA STEPDOWN TRANSFORMER (T1) FROM 480V/277V/3P,4W TO 208V/120V/3P,4W		1,388	1,388	1,388	1,388

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER (T1)

ELECTRICAL LOAD ANALYSIS (NEC 2015 ARTICLE 220)							
/	LOAD		KW	AMPS @ 208/120V, 3P,4W			
	LOAD FOR STEP DOWN TRANSFORMER (T2):			PHASE "A"	PHASE "B"	PHASE "C"	NEUTRAL
A.		GUEST ROOMS UNIT LOADS FOR 3RD &4TH FLOOR: (Table 220.12 & 42)					
	1.	18,820 SF x 2W =37,644W - FIRST 20,000W @ 50%	10.00	28	28	28	28
	2.	REMAINING 17,644W @ 40%	7.05	20	20	20	20
	3.	VANITY RCPTS @ 180VA X 52 UNITS	9.36	26	26	26	26
	4.	A/C COOLING NON-CONCURRENT LOAD HEAT GREATER @1.96KW x 54 UNITS	105.84	294	294	294	294
	3.	REFRIG/MCO WAVE UNIT 52 @ 1.00KW	52	144	144	144	144
B.	HOUSE LOADS:						
	1.	GENERAL RCPTS 28@180VA	5.76	16	16	16	16
	2.	VENDING ICE MACHINE 2@1.5	3	8	8	8	8
C.	TOTAL DEMAND LOAD:		193.0	536	536	536	242
D.	WIRE: (TABLE 310.15)(B)(16) @ 75°C (167°F) RATING			2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN
E.	AMPACITY			620	620	620	620
F.	SERVICE CAPACITY (LDP2) (A)			600	600	600	600
G.	USE 225 KVA STEPDOWN TRANSFORMER (T2) FROM 480V/277V/3P,4W TO 208V/120V/3P,4W			625	625	625	625

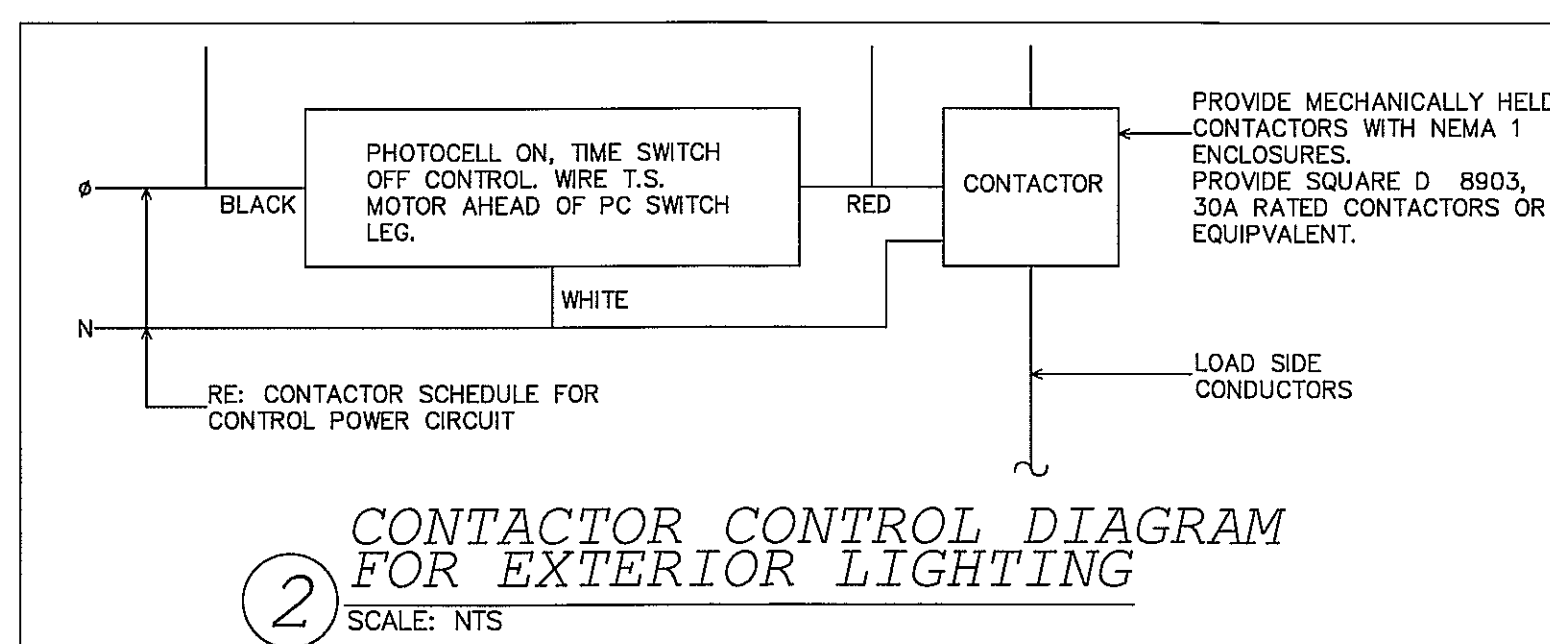
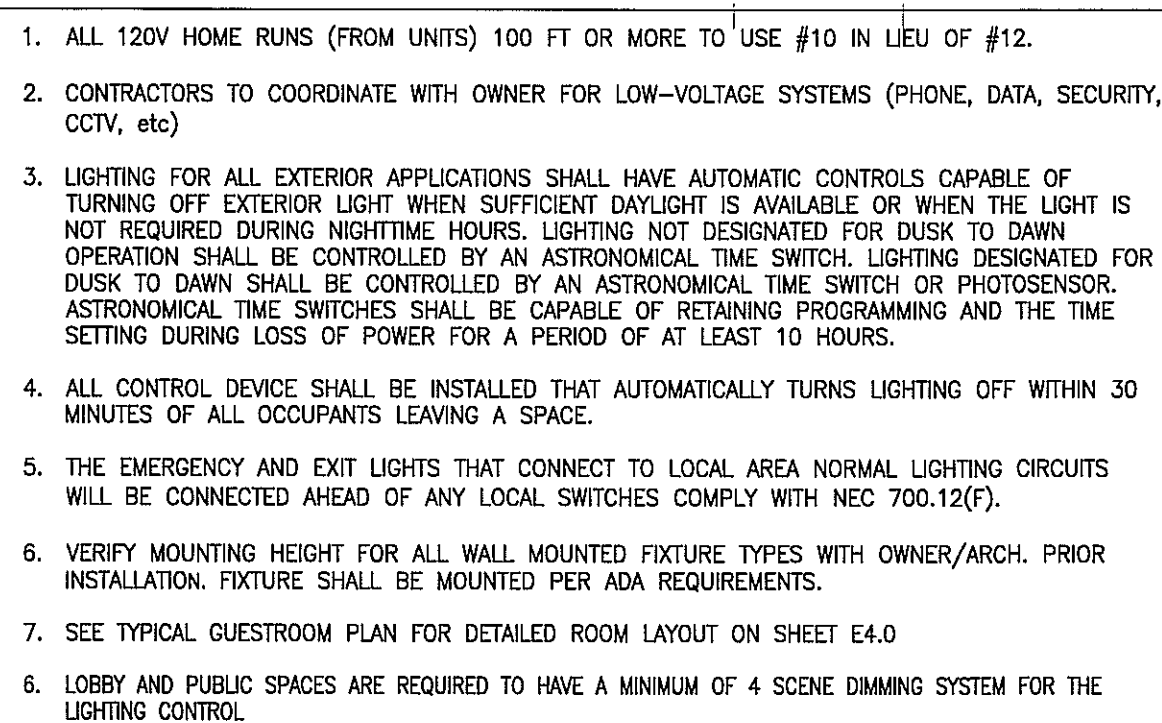
LOAD ANALYSIS FOR STEP DOWN TRANSFORMER (T2)

ELECTRICAL LOAD ANALYSIS (NEC 2015 ARTICLE 220)							
LOAD		KW	AMPS @ 208/120V, 3P,4W				
			PHASE "A"	PHASE "B"	PHASE "C"	NEUTRAL	
A.	LOAD FOR STEP DOWN TRANSFORMER (T3):						
	GUEST ROOMS UNIT LOADS FOR 5TH & 6TH FLOOR: (Table 220.12 & 42)						
	1.	18,820 SF x 2W =37,644W - FIRST 20,000W @ 50%	10.00	28	28	28	28
	2.	REMAINING 17,644W @ 40%	7.06	20	20	20	20
	3.	VANITY RCPTS @ 180V x 52 UNITS	9.36	26	26	26	26
	4.	A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @1.96KW x 54 UNITS	105.64	294	294	294	
	4. REFRIGMICO WAVE UNIT 52 @ 1.00KW	52	144	144	144	144	
B.	HOUSE LOADS:						
	1.	GENERAL RCPTS 37@180VA	5.76	16	16	16	16
	2.	VENDING ICE MACHINE 2@1.5	3	8	8	8	8
C.	MECHANICAL LOADS:						
	1.	MECHANICAL FANS	3.25	9	9	9	9
	3.	PUMPS	1.5	4	4	4	4
D.	TOTAL DEMAND LOAD:		197.77	549	549	549	255
D.	WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING		2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	
E.	AMPACITY		620	620	620	620	
F.	SERVICE CAPACITY (LDP3) (A)		600	600	600	600	
G.	USE 225 KVA STEPDOWN TRANSFORMER (T3) FROM 480V/277V/3P,4W TO 208V/120V/3P/4W		625	625	625	625	

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER (T3)

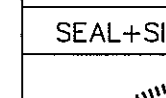
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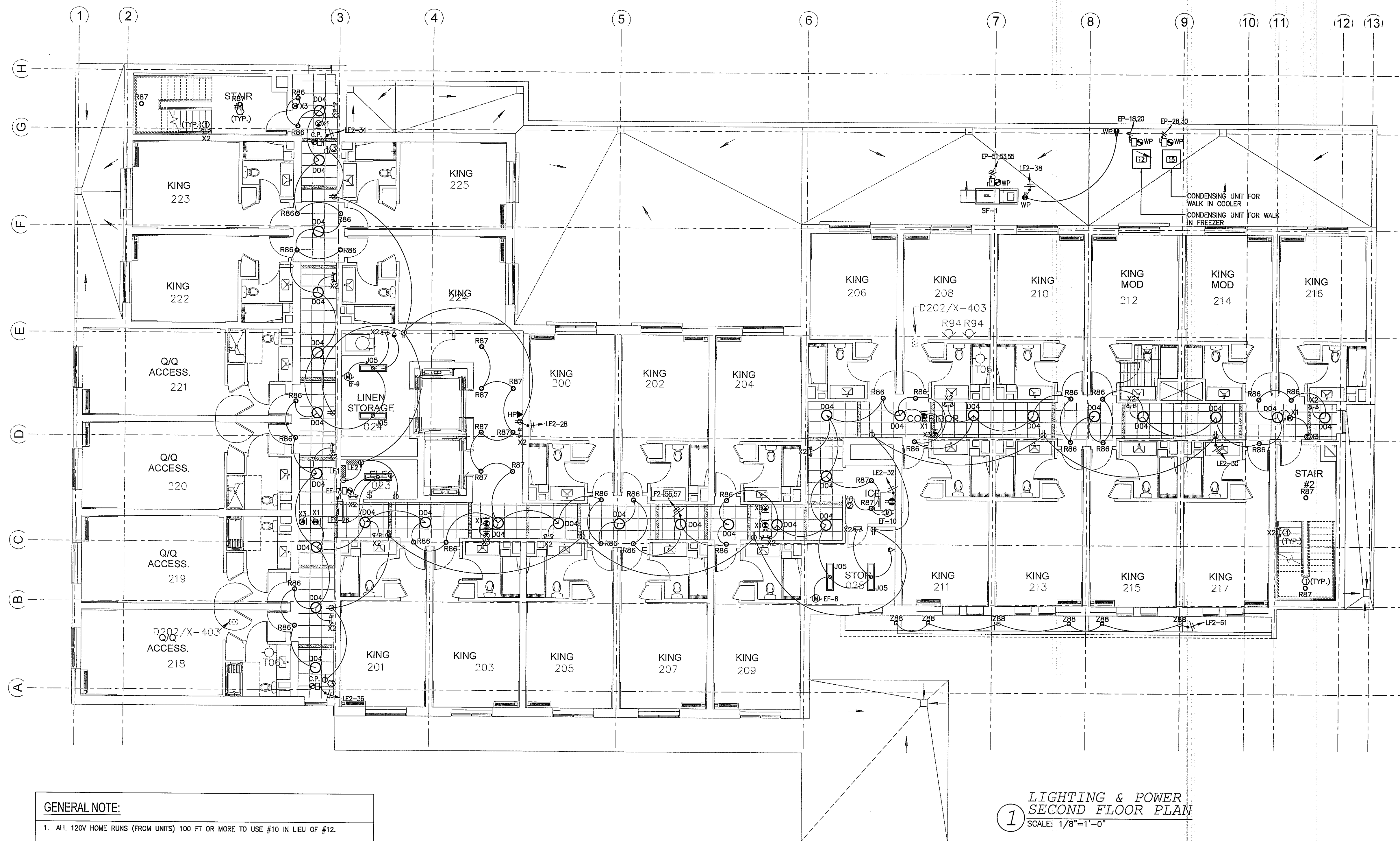
1. CONNECT ALL TYPE "8BY"x11", "X2" LIGHTS AT STAIRCASE TO LF2=SS, USING 2#10, 1/2" C CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
2. KEY LIGHT SWITCH
3. CONNECT ALL TYPE "X1"x2", "X3"LIGHTS AT MAIN LOBBY/ LOUNGE TO LJ-1, USING 2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
4. LIGHTING SUB-PANEL & DIMMING (CENTRAL DIMMING CONTROL PANEL)
5. PROPOSED LOCATION FOR TOUCH SCREEN MASTER STATION
6. PROPOSED LOCATION FOR TOUCH MINI MASTER CONTROL STATION
7. CONTROLS REQUIRED FOR DIMMING LIGHTS TO 50% WHEN FITNESS ROOM IS UNOCCUPIED. QUANTITY AND LOCATION TO BE CONFIRMED BY CONTRACTOR. CONTROLS ALSO ENABLE DAYLIGHT HARVESTING FOR THIS ROOM. THIS SYSTEM IS NOT PART OF CENTRAL DIMMER CONTROL SYSTEM
8. LIGHT BEHIND BACK BAR FOCAL WALL.
9. J.BOX FOR LIGHTED MIRROR
10. J. BOX FOR POOL LIGHTING. LOCATION & QUANTITY SHALL BE DETERMINED BY POOL CONTRACTOR.
11. LIGHT AT THE KICK OF FRONT BAR, AT UNDERSIDE OF COMMUNAL TABLE TOP AND BEHIND ELEVATOR LOBBY GLASS ACCENT WALL.
12. VERTICAL BUILDING LIGHT AT FRONT FACADE. REFER TO BUILDING. FOR LOCATION OF LIGHT.
13. LIGHTS ON VERTICAL SURFACE OF WALL. VERIFY LOCATION WITH OWNER/ ARCHITECT TO INSTALL.



1. CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 1ST FLOOR, CONNECT TO U4-42, USING 2#12, 1/2" C.

1 LIGHTING
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

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GENERAL NOTE:

- ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
- CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc).
- LIGHTING FOR ALL EXTERIOR APPLICATIONS SHALL HAVE AUTOMATIC CONTROLS CAPABLE OF TURNING OFF EXTERIOR LIGHT WHEN SUFFICIENT DAYLIGHT IS AVAILABLE OR WHEN THE LIGHT IS NOT REQUIRED DURING NIGHTTIME HOURS. LIGHTING NOT DESIGNATED FOR DUSK TO DAWN OPERATION SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME SWITCH. LIGHTING DESIGNATED FOR DUSK TO DAWN SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME SWITCH OR PHOTODIODE. ASTRONOMICAL TIME SWITCHES SHALL BE CAPABLE OF RETAINING PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS.
- ALL CONTROL DEVICE SHALL BE INSTALLED THAT AUTOMATICALLY TURNS LIGHTING OFF WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING A SPACE.
- THE EMERGENCY AND EXIT LIGHTS THAT CONNECT TO LOCAL AREA NORMAL LIGHTING CIRCUITS WILL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES COMPLY WITH NEC 700.12(F).
- VERIFY MOUNTING HEIGHT FOR ALL WALL MOUNTED FIXTURE TYPES WITH OWNER/ARCH. PRIOR INSTALLATION. FIXTURE SHALL BE MOUNTED PER ADA REQUIREMENTS.
- SEE TYPICAL GUESTROOM PLAN FOR DETAILED ROOM LAYOUT ON SHEET E4.0

KEYED NOTES:

- CONNECT ALL TYPE "R87" & "X2" LIGHTS AT STAIRCASE TO LF2-59, USING 2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- KEY LIGHT SWITCH
- RECEPTACLE OUTLETS FOR MAINTENANCE

NOTE FOR FIRE SMOKE DAMPER:

- CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 2ND FLOOR, CONNECT TO LF2-40, USING 2#12, 1/2".

**1 LIGHTING & POWER
SECOND FLOOR PLAN**
SCALE: 1/8"=1'-0"

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2ND FL LIGHTING & POWER PLAN

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GENERAL NOTE:

- ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
- CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)
- LIGHTING FOR ALL EXTERIOR APPLICATIONS SHALL HAVE AUTOMATIC CONTROLS CAPABLE OF TURNING OFF EXTERIOR LIGHT WHEN SUFFICIENT DAYLIGHT IS AVAILABLE OR WHEN THE LIGHT IS NOT REQUIRED DURING NIGHTTIME HOURS. LIGHTING NOT DESIGNATED FOR DUSK TO DAWN OPERATION SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME SWITCH. LIGHTING DESIGNATED FOR DUSK TO DAWN SHALL BE CONTROLLED BY AN ASTRONOMICAL TIME SWITCH OR PHOTOSENSOR. ASTRONOMICAL TIME SWITCHES SHALL BE CAPABLE OF RETAINING PROGRAMMING AND THE TIME SETTING DURING LOSS OF POWER FOR A PERIOD OF AT LEAST 10 HOURS.
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- VERIFY MOUNTING HEIGHT FOR ALL WALL MOUNTED FIXTURE TYPES WITH OWNER/ARCH. PRIOR INSTALLATION. FIXTURE SHALL BE MOUNTED PER ADA REQUIREMENTS.
- SEE TYPICAL GUESTROOM PLAN FOR DETAILED ROOM LAYOUT ON SHEET E4.0

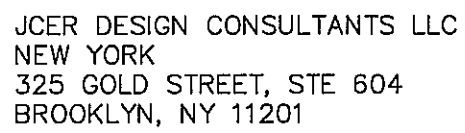
KEYED NOTES:

- CONNECT ALL TYPE "R87" & "X2" LIGHTS AT STAIRCASE TO LF2-56, USING 2#10, 1/2" C. CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- KEY LIGHT SWITCH

NOTE FOR FIRE SMOKE DAMPER:

- CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 4TH FLOOR, CONNECT TO LC2-34, USING 2#12, 1/2" C.

1 LIGHTING & POWER
FOURTH FLOOR PLAN
SCALE: 1/8"=1'-0"



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5TH FL LIGHTING & POWER PLAN

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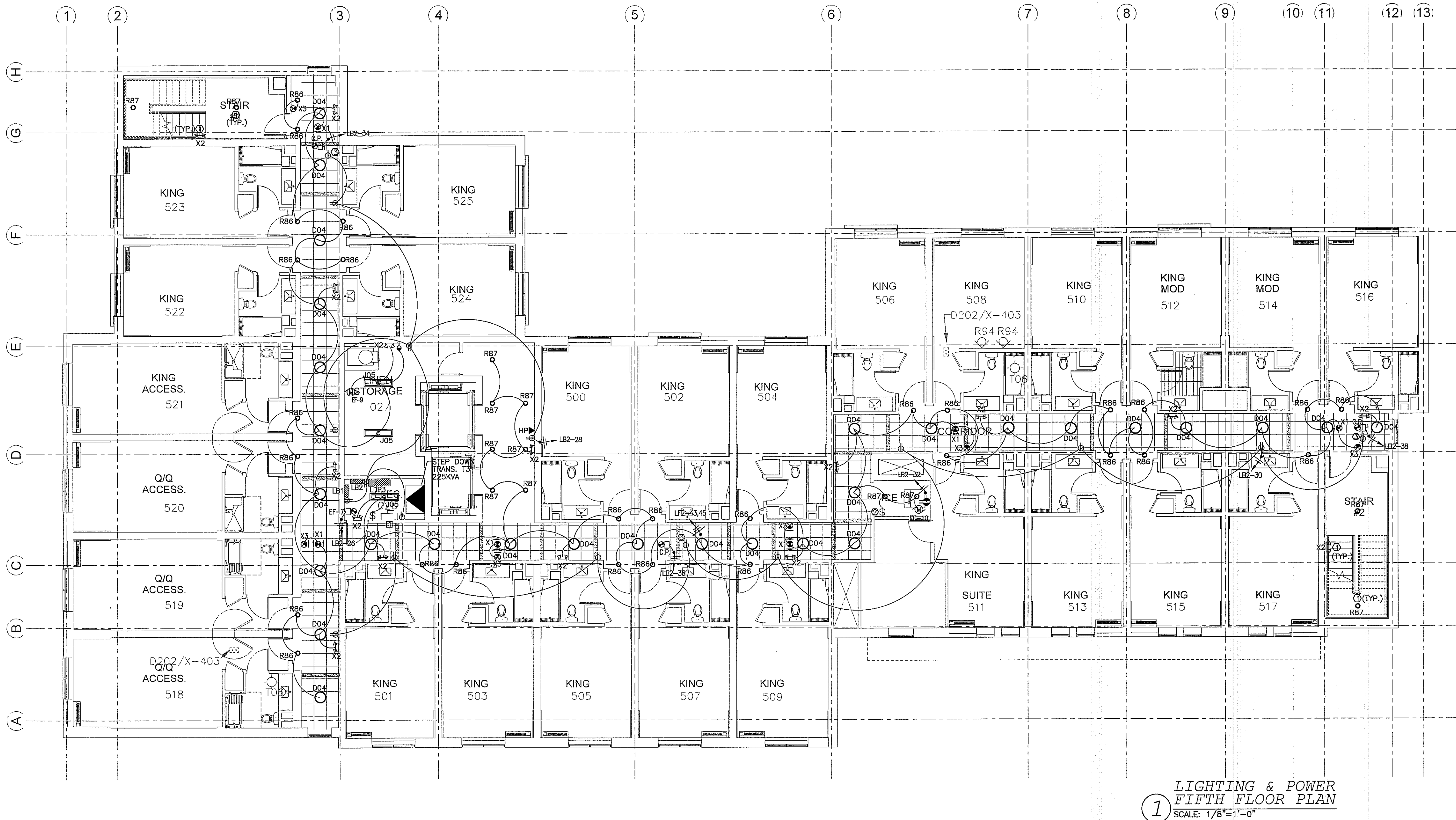
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GENERAL NOTE:

1. ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
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7. SEE TYPICAL GUESTROOM PLAN FOR DETAILED ROOM REQUIREMENTS ON SHEET E4.0

 KEYED NOTES:

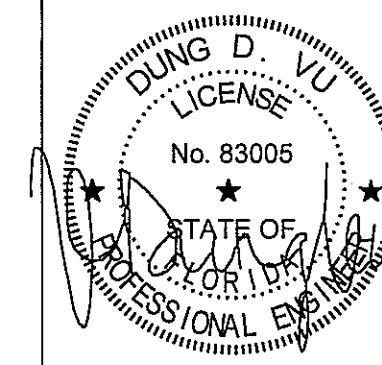
1. CONNECT ALL TYPE "R87"&"X2"LIGHTS AT STAIRCASE TO LF2-59, USING 2#10, 1/2"C. CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
2. KEY LIGHT SWITCH
3. RECEPTACLE OUTLETS FOR MAINTENANCE, ABOVE CEILING

☐ DISCONNECT SWITCH SCHEDULES:

1. 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (42K AIC) IN NEMA 1 ENCLOSURE.

NOTE FOR FIRE SMOKE DAMPER:

1. CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 5TH FLOOR, CONNECT TO LB2-40, USING 2#12, 1/2"Ø.



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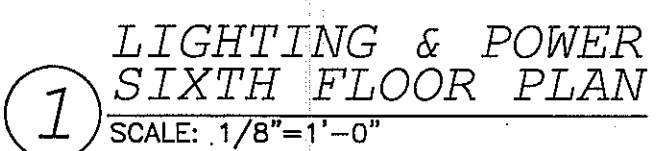
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6TH FL LIGHTING & POWER PLAN

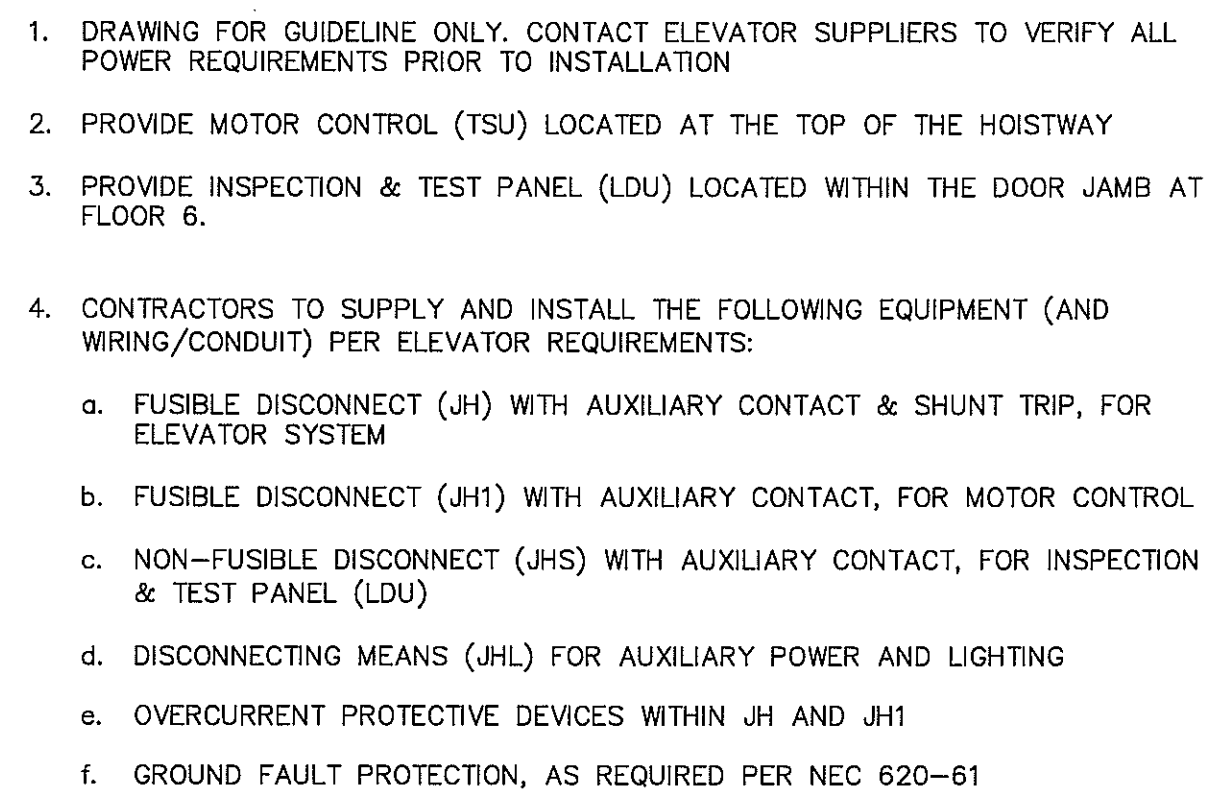
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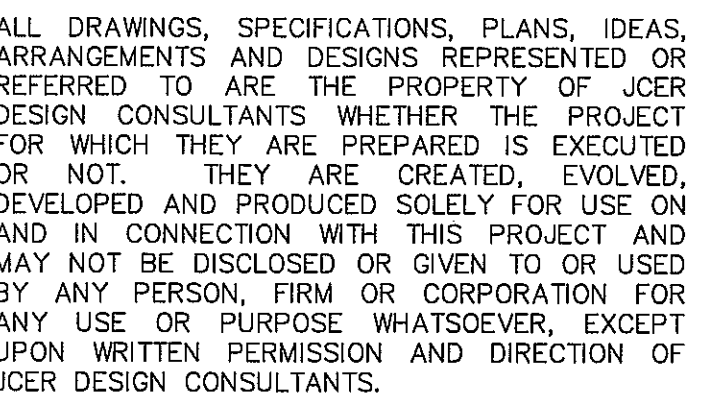


1. ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
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6. VERIFY MOUNTING HEIGHT FOR ALL WALL MOUNTED FIXTURE TYPES WITH OWNER/ARCH. PRIOR INSTALLATION. FIXTURE SHALL BE MOUNTED PER ADA REQUIREMENTS.
7. SEE TYPICAL GUESTROOM PLAN FOR DETAILED ROOM LAYOUT ON SHEET E4.0

1. CONNECT ALL TYPE "R87" & "X2" LIGHTS AT STAIRCASE TO LF2-59, USING 2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 702.12(F).
2. LOCATION FOR SIGN CONNECTION. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
3. KEYED LIGHT SWITCH



1. CONTRACTOR SHALL PROVIDE JUNCTION BOXES FOR FIRE SMOKE DAMPERS AT 6TH FLOOR, CONNECT TO LA1-B1, USING 2#12, 1/2" C.



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PROJECT NAME

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POWER ROOF PLAN

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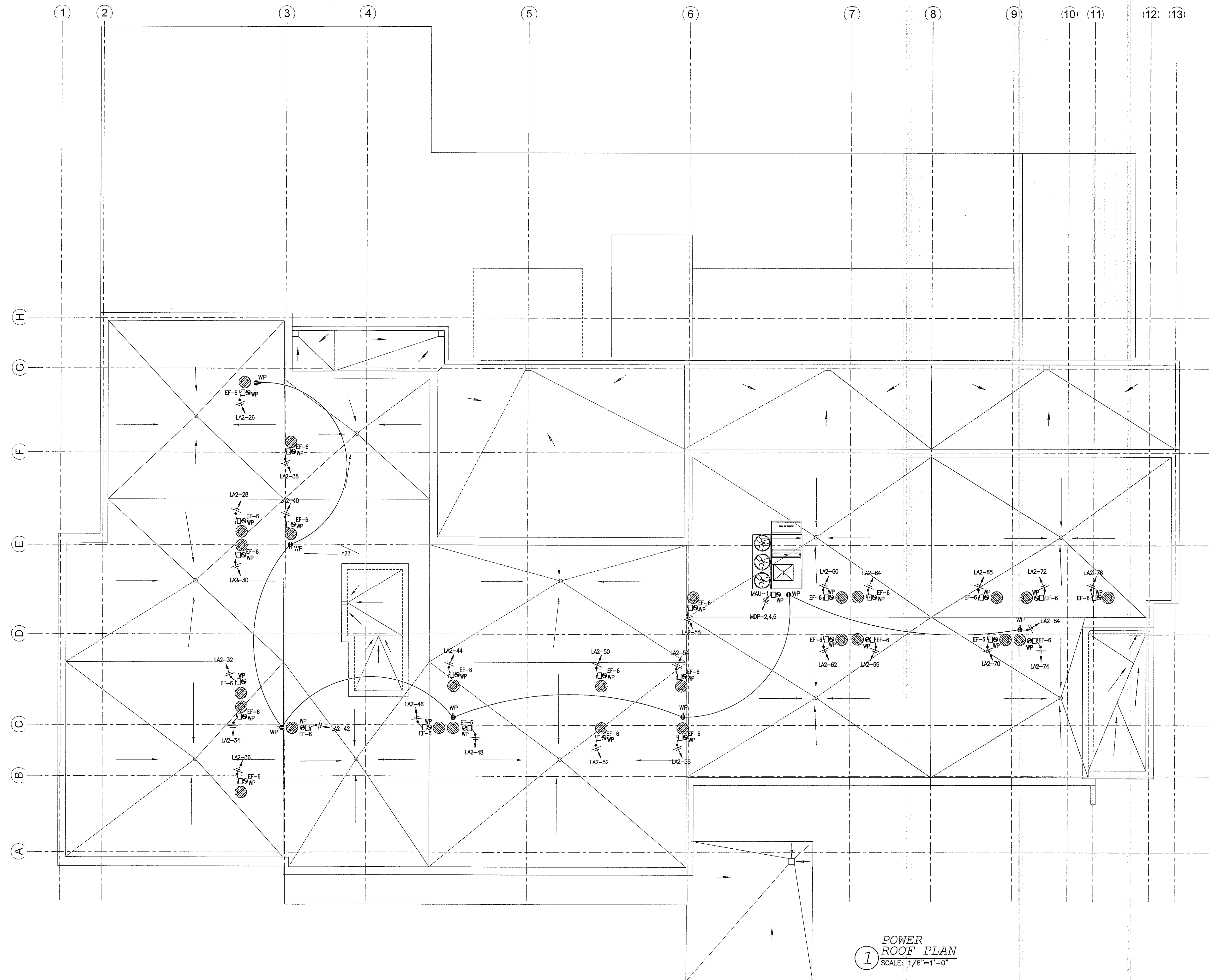
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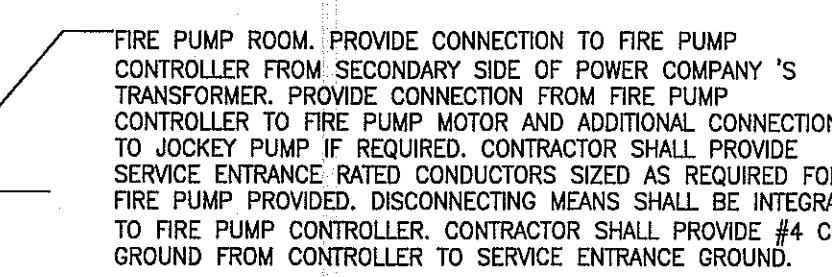
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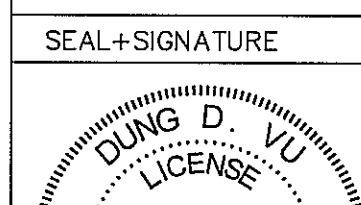




<u>GENERAL NOTE:</u>	
1.	ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
2.	CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)
3.	ELECTRICAL ROOM TO HAVE PANIC HARDWARE INSTALLED AND DOOR SHALL SWING IN THE DIRECTION OF EGRESS.
4.	ALL GFI RECEPTACLES SHALL NOT BE HIDDEN OR OBSTRUCTED PER THE 2017 NEC, INCLUDE THE FOOD PREP AREA.
5.	CONTRACTOR HAVE TO PROVIDE POWER SUPPLY FOR FIRE SMOKE DAMPERS AT EACH FLOOR, VERIFY LOCATION WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.

- (VERIFY EXACT LOCATION WITH KITCHEN CONSULTANT PRIOR TO
INSTALL ELECTRICAL DEVICES FOR KITCHEN EQUIPMENTS)

ITEM NO	EQUIPMENT CATEGORY	AMPS	KW	HP	VOLTS	PHASE	NEUTRAL ELECTRICAL (N)	ELEC REMARKS
11	WALK IN COOLER	2.0	2.0	115	1			DFA FOR LIGHTS
11.1		2.1		120	1			DFA FOR EVAPORATOR
12	COOLER CONDENSER	5.9		208	1			* LOCATION BY ARCHITECT
14	WALK IN FREEZER	5.7		120	1			DFA FOR LIGHTS
14.1		5.7		208	1			DFA FOR EVAPORATOR-DEFROST
15	FREEZER CONDENSER	10.9		208	1			* *LOCATION BY ARCHITECT
34	DISPOSER	22.6	3-1/2	120	1			
35	DISHMACHINE	24.6	5.0	2.0	208	3	12	
35.1		20.4	8.5	208	3	12		FOR BOOSTER
47	SANDWICH REFRIGERATOR	8.6	1/3	120	1	3-15P	12	
56	WOKTOPY FREEZER	8.3	1/3	115	1	3-15P	12	
67	REFRIGERATED EQUIPMENT STAND	8.6	1/3	115	1	3-15P	12	
71	EXHAUST HOOD		0.8	120	1			DFA FOR LIGHTS
79	COUNTER GRIDDLE	1.0		120	1	6-15P	36	
82	GAS FRYER W/SIDE SPLASH	5.0		120	1	6-15P	48	FOR OPTIONAL
87	HALF-SIZE CONNECTION	6.0		1/2	120	1	3-15P	36
101	ICE MAKER W/BN	13.8	1	115	1	60	5	
109	Coffee BREWER	N/A			120/240	1		50 VERIFY W/VENDOR
111	MICROWAVE OVEN	4.3	1.7	208	1	6-15P	18	
113	FRYER DUMP STATION	7.3	0.9	120	1	6-15P	48	
117	CONVEYOR TOASTER	13.8	1.6	120	1	3-15P	50	
2024	BACK BAR REFRIGERATOR	6.3		1/3	120	1	3-15P	12
2026	RESSURE MACHINE W/WATER FILTER	1.4		208	1	16-30P	48	VERIFY W/VENDOR
285	UNDERCOUNTER REFRIGERATOR	2.5		115	1	3-15P	12	
208	SANDWICH REFRIGERATOR	7.8		1/3	115	1	6-15P	12
208	COUNTERTOP FOOD WELL	13.8	1.7	120	1	1-15P	48	
209	COUNTERTOP FOOD WARMER	6.3	0.8	120	1	1-15P	48	
218A	REFRIGERATED SELF-SERVICE CASE	16.0		120	1	5-20P	12	
220	COUNTER OVEN		6.2	208/240	1	6-30P	48	
225	BLENDER	13.0		120	1	5-15P	50	
228	GLASSWASHER	12.9		208	1		12	
303	ICE MAKER	16.0		208	1		72	
307	ICED TEA BREWER	N/A		120	1		50 VERIFY W/VENDOR	
309	COFFEE LUN	N/A		120/208	1		50 VERIFY W/VENDOR	
311	REACH-IN REFRIGERATOR	7.5	1	115	1	6-15P	12	
312	HEATED BANQUET CART	1.6	1.6	120	1	1-15P	24	
313	REACH-IN FREEZER	7.2	1/3	115	1	5-15P	12	
314	COMB-OVEN W/VENTLESS HOOD	22.5	4.7	208	1	16-30P	48	
400	BEER DISPENSER	3.6	0.17	120	1	5-15P	12	
401	GLASS FROSTER	8.2	1/3	120	1	5-15P	12	
406	SNACK RACK COLDSTER	5.5	1/4	120	1	5-15P	12	
551	VENDING ICE MAKER/DISPENSER	1.3		115	1		60	
630	MERCHANDISE REFRIGERATOR/FREEZER	15.6	0.7	115	1	5-20P	12	
631	MERCHANDISE REFRIGERATOR	7.5	1/2	115	1	5-15P	12	
639	MICROWAVE OVEN	13.2	1.5	120	1	5-15P	*	**COORDINATE W/MLL/C

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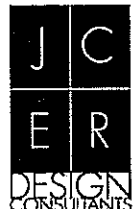
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TYPICAL GUESTROOM PLAN

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DATE 01.18.2019

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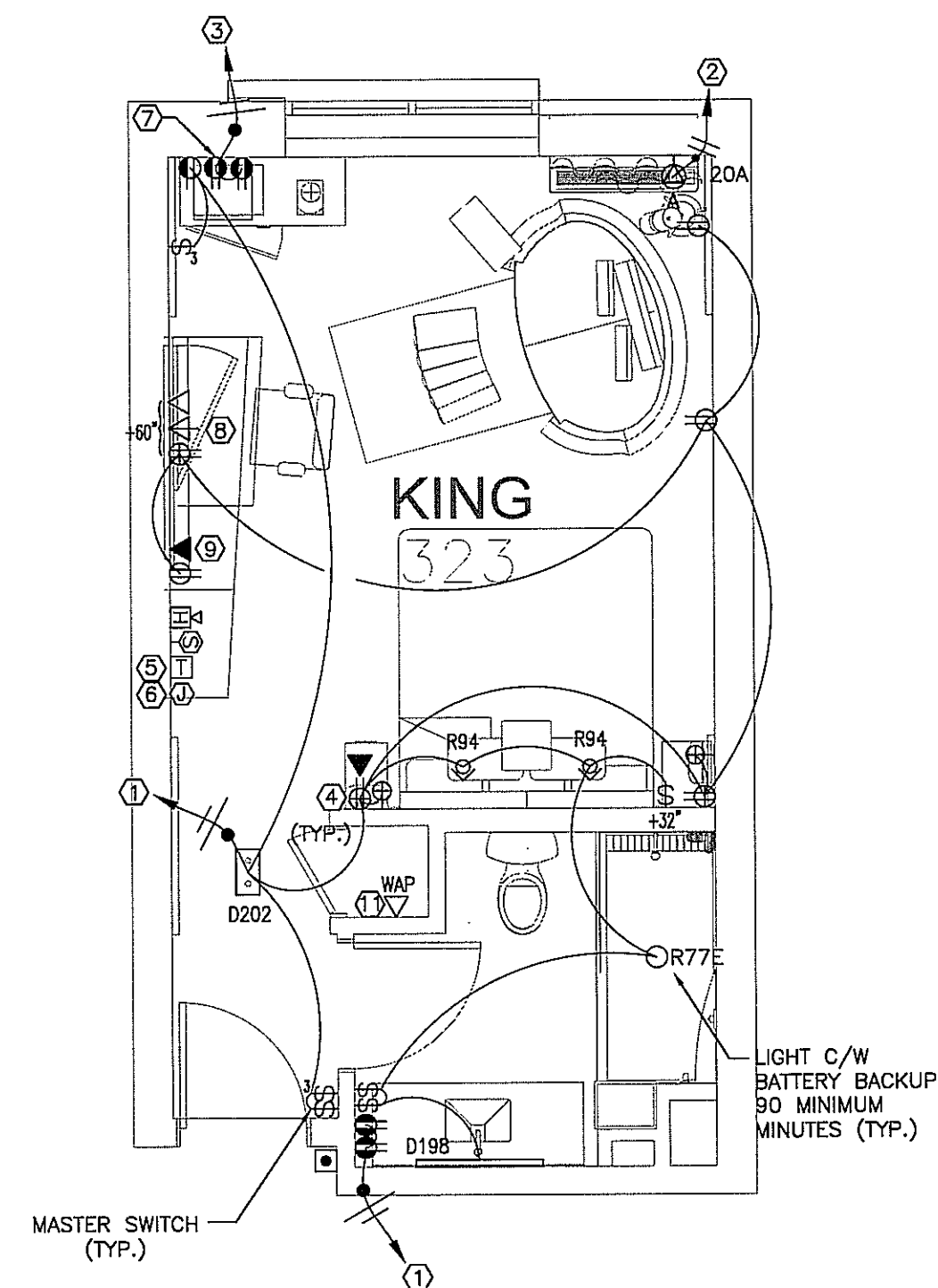
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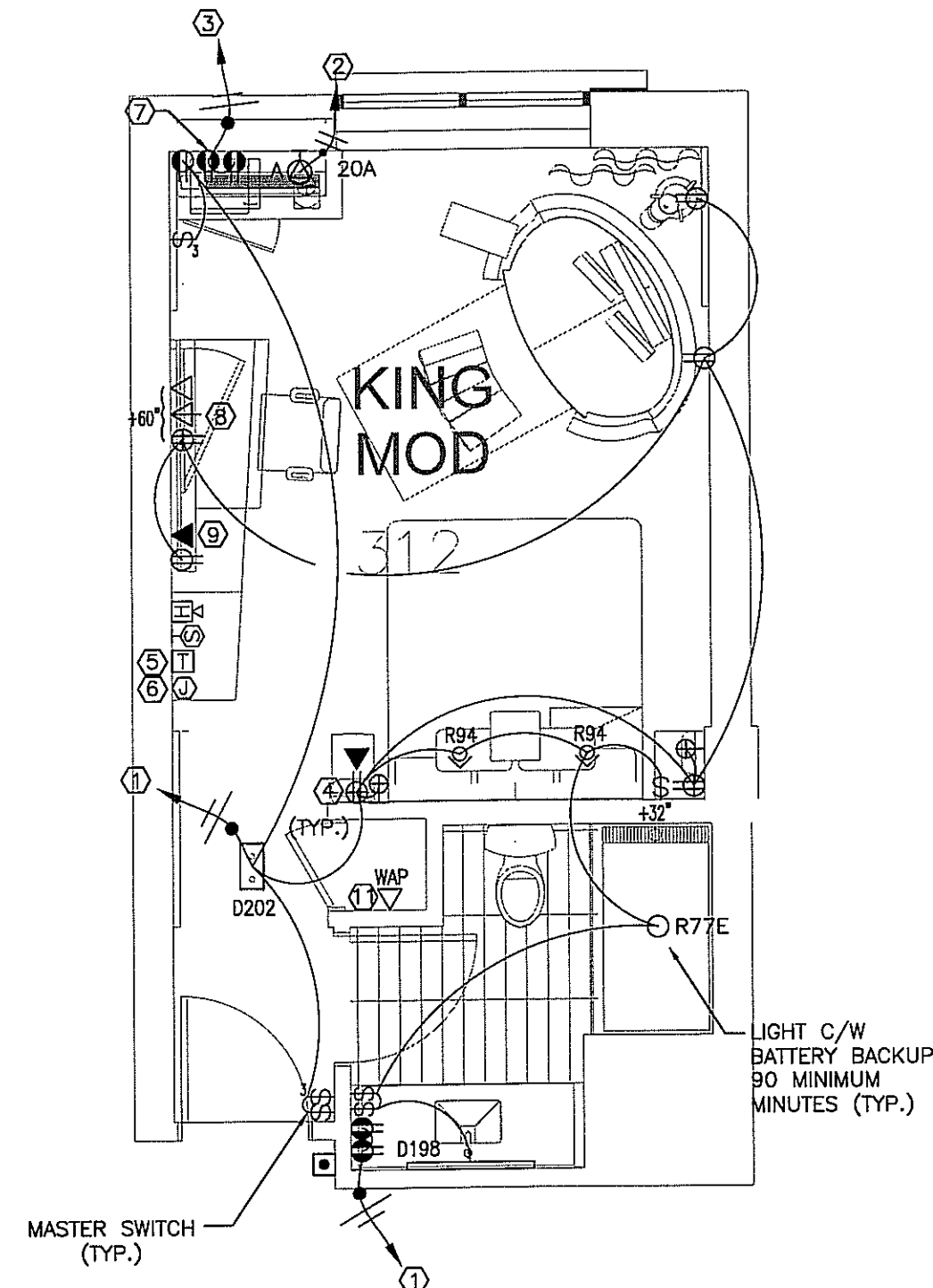
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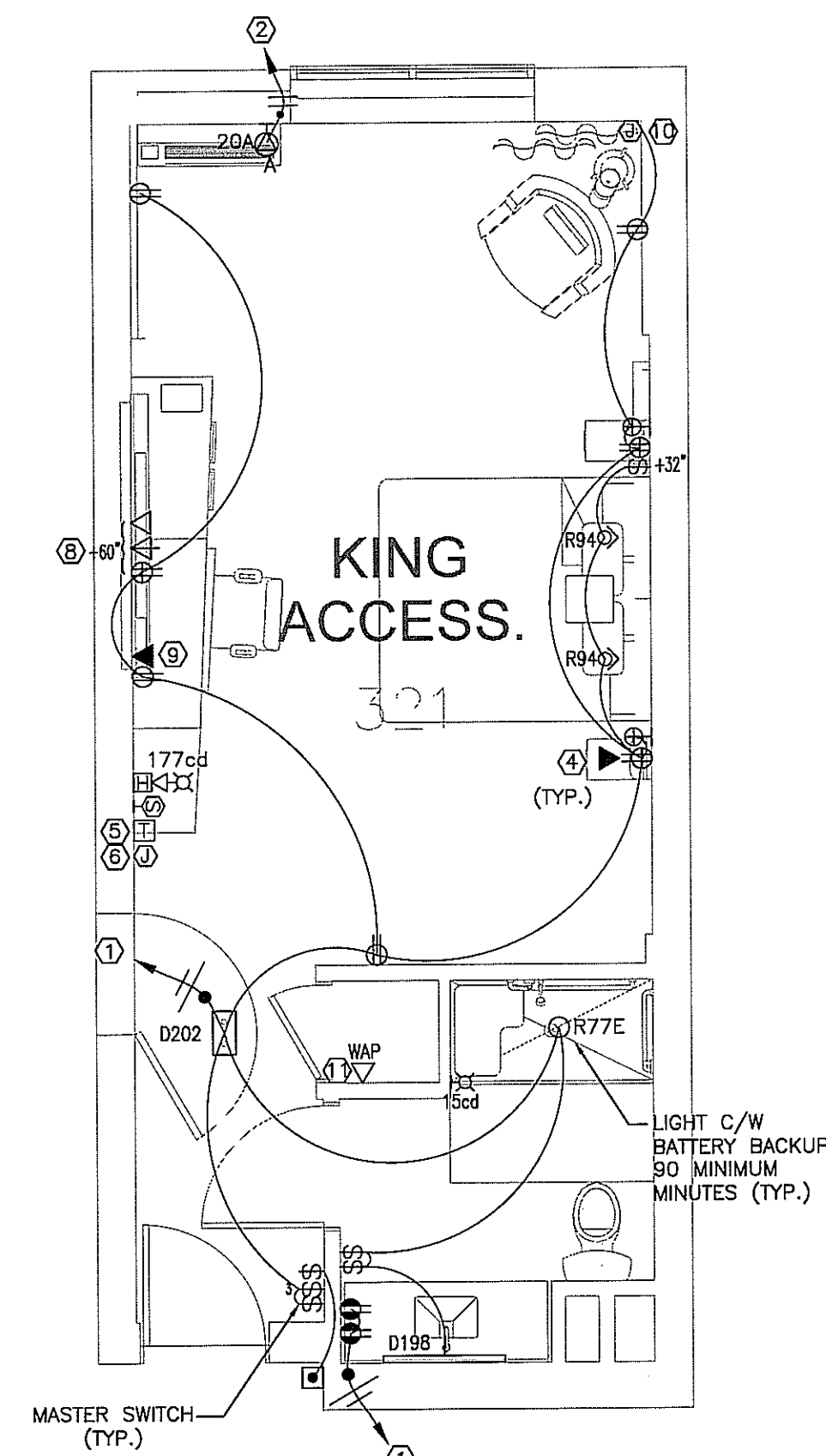
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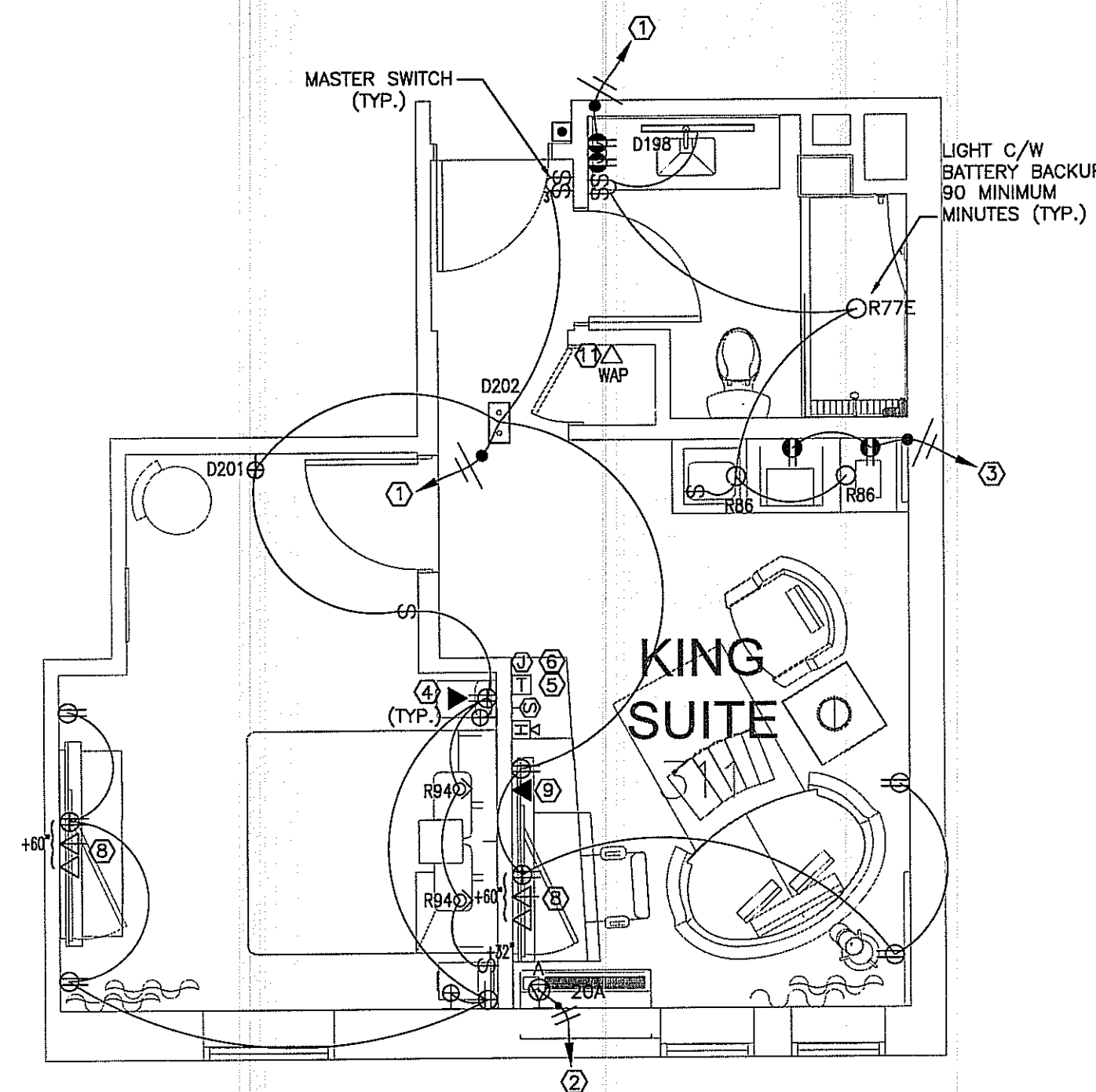
1 KING
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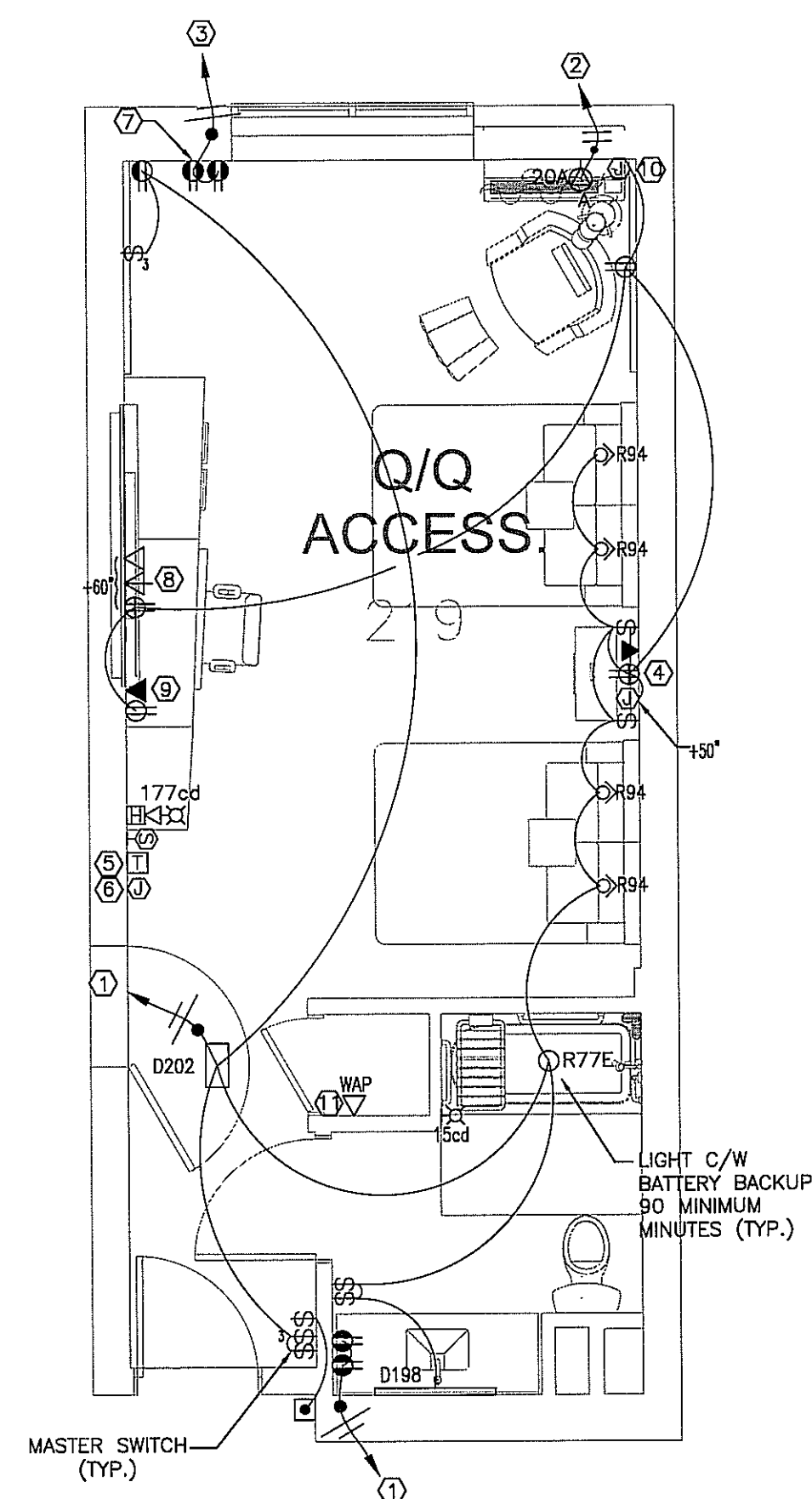
2 KING MODE
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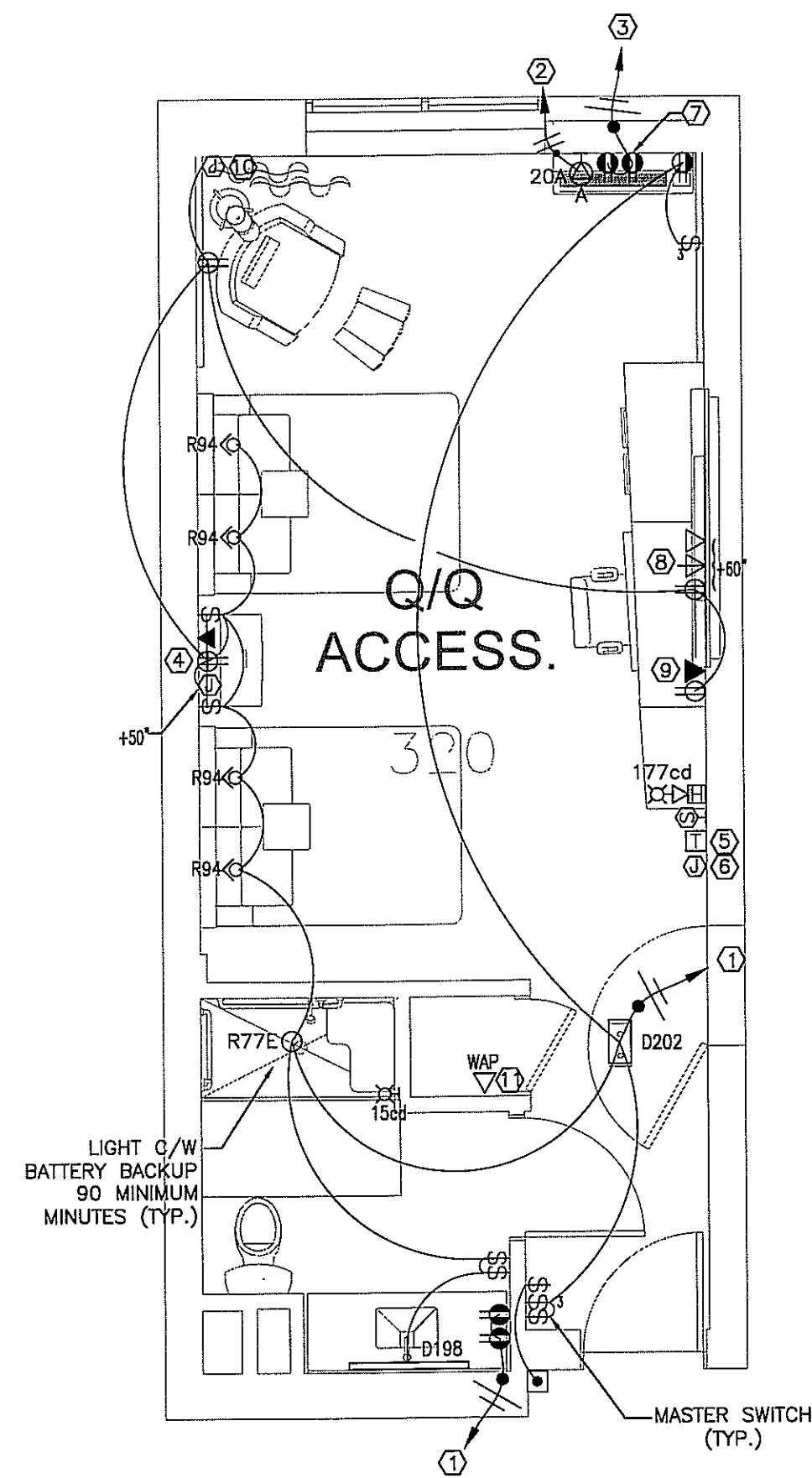
3 ACC. KING
SCALE: 1/4"=1'-0"



4 KING SUITE
SCALE: 1/4"=1'-0"



5 ACC. Q.Q (TYPE 1)
SCALE: 1/4"=1'-0"



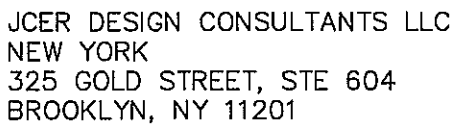
6 ACC. Q.Q (TYPE 2)
SCALE: 1/4"=1'-0"

NOTES:

- GUEST ROOMS & BATHROOMS FOR ACCESSIBLE & HEARING IMPAIRED SHALL HAVE AN AUDIBLE & VISUAL ALARM ACTIVATED BY THE IN ROOM SMOKE DETECTOR & AN AUDIBLE & VISUAL ALARM ACTIVATED BY THE BLDG. FIRE ALARM SYSTEM.
- INSTALL PUSH BUTTON AT EACH ACCESSIBLE & HEARING IMPAIRED ROOMS FOR VISUAL ALARM, NOTIFICATION DEVICES & TELEPHONES.
- MASTER LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM.
- PROVIDE AN ILLUMINATED LIGHT SWITCH AT THE PRIMARY ENTRANCE DOOR.
- ELECTRICAL OUTLETS FOR PTAcs WILL BE INSTALLED UNDERNEATH SUB-BASE.
- GUEST ROOM ELECTRICAL OUTLETS NEED TO BE MOUNTED HIGHER BEHIND DESKS, NIGHTSTANDS, ETC...
- WALL OUTLETS SHALL NOT OCCUR IN SAME WALL CAVITY OF ADJACENT GUESTROOMS, TYPICAL.
- AT ALL ACCESSIBLE AND HEARING IMPAIRED GUESTROOM TYPES, PROVIDE A DOORBELL DISCONNECT SWITCH WITHIN THE GUESTROOM.
- ALL 120V NON-LOCKING TYPE RECEPTACLES IN GUESTROOMS AND GUEST BATHROOMS SHALL BE TAMPER PROOF.
- REMOTE THERMOSTAT MOUNTED AT 48" ABOVE FINISH FLOOR IN ACCESSIBLE ROOMS AND AT 54" ABOVE FINISH FLOOR IN NON-ACCESSIBLE ROOMS. REFER TO MECHANICAL DRAWING SHEET M2.0-M2.4 FOR LOCATION OF THERMOSTAT.
- THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENTS WITH ARCHITECTURAL DRAWINGS & OWNER PRIOR TO INSTALLATION.

KEYED NOTES:

- CONNECT TO 20A/1P BREAKER IN PANEL AS INDICATED ON PANEL SCHEDULE
- CONNECT TO 20A/2P BREAKER IN PANEL AS INDICATED ON PANEL SCHEDULE
- RECEPTACLES FOR REF/MICROWAVE. CONNECT TO 20A/1P BREAKER IN PANEL AS INDICATED ON PANEL SCHEDULE
- WHERE RECEPTACLES AND LIGHTS ARE SERVED BY A COMMON CIRCUIT, RECEPTACLES SHALL BE KEPT UNSWITCHED UNLESS NOTED OTHERWISE.
- 2-GANG BOX WITH TRANSFORMER FOR DOOR SIGNAL
- JUNCTION FOR DOOR SIGNAL
- OPTIONAL DEDICATED OUTLET FOR OPTIONAL MICROWAVE. VERIFY LOCATION WITH ARCH./ OWNER
- PROVIDE DATA, TV CABLE, & QUAD OUTLET DEDICATED TO TV.
- OPTIONAL PHONE OUTLET AT DESK.
- PROVIDE JUNCTION BOX FOR MOTORIZED DRAPERY IN ACCESSIBLE ROOMS.
- PROVIDE (1) WIRELESS ACCESS POINT PER GUESTROOM. PROVIDE A TERMINATED DATA DROP (AT WAP) WITH A 25' COILED LOOP LEFT ABOVE CEILING FOR WIRELESS ACCESS POINT. DATA DROPS SHALL BE INSTALLED BACK TO THE NEAREST TECHNOLOGY A SITE SURVEY BY THE DATA/COMMUNICATIONS CONTRACTOR MUST BE COMPLETED BEFORE FINAL INSTALLATION OF ACCESS POINTS. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.



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FIRE ALARM ONE LINE DIAGRAM

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6'-8" AFF
	COMBINATION HORN/STROBE LIGHT	WALL - 6'-8" AFF
	GUESTROOM ANNUNCIATOR AUDIO	WALL - 6'-8" AFF
	STROBE LIGHT	WALL - 6'-8" AFF
	FIRE BELL	WALL
	SMOKE DETECTOR	CEILING
	DUCT DETECTOR	IN MECH. DUCT
	HEAT DETECTOR	CEILING
	MAGNETIC DOOR HOLDER	WALL
	SPECIAL DEVICE (AS NOTED)	
	SHUT DOWN RELAY	
	FLOW SWITCH (SPRINKLER)	
	TAMPER SWITCH (SPRINKLER)	
	SMOKE DETECTOR	WALL
	CARBON MONOXIDE DETECTOR	
	FIREMAN'S PHONE	WALL - 48" AFF.
	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
	ANNUNCIATOR PANEL	
	FIRE ALARM CONTROL PANEL (FACP)	
	INDICATES HANDICAP ACCESS SUITE	
	INDICATES HEARING IMPAIRED SUITE	

FIRE ALARM SEQUENCE OF OPERATION

A. GUESTROOM:

1. WHEN SMOKE IS SENSED IN A SUITE, SMOKE DETECTOR SHALL ACTIVATE HORN/STROBE WITHIN THAT SUITE ONLY.
2. AN ALARM SIGNAL SHALL BE SENT TO THE FIRE ALARM ANNUNCIATOR PANEL LOCATED AT FRONT DESK. FRONT DESK SHALL BE CONSTANTLY ATTENDED, THE AUTOMATIC FIRE ALARM CONTROL UNIT SHALL TRANSMIT AN ALARM TO THE FIRE DEPARTMENT OR MONITORING STATION, IF ROOM HAS MULTIPLE SMOKE DETECTORS, HORN/STROBE SHALL BE LINKED TOGETHER SO THAT WHEN DETECTOR GOES INTO ALARM ALL HORN SHALL SOUND AND STROBES SHALL FLASH.
3. FIRE ALARM CONTROL PANEL SHALL INDICATE WHICH ROOM IS IN ALARM.
4. HANDICAP SUITES SHALL HAVE ADDITIONAL STROBES LOCATED IN SUITES AS SHOWN ON DRAWINGS, WHEN SMOKE DETECTORS ARE IN ALARM THE HORN SHALL SOUND AND STROBES SHALL FLASH.

B. GENERAL ALARMS

1. WITH THE ACTIVATION OF ANY CORRIDOR, COMMON AREA, SMOKE DETECTOR, MANUAL PULL STATION OR SPRINKLER SYSTEM, THE FIRE ALARM SYSTEM SHALL AUTOMATICALLY GO INTO ALARM. ALL HORN SHALL SOUND AND STROBES SHALL FLASH THIS INCLUDES GUESTROOMS.
2. ELEVATOR SHAFT VENT DAMPERS SHALL ACTIVATE UPON ALARM FROM ANY SMOKE/HEAT DETECTOR LOCATED IN ELEVATOR LOBBY OR ELEVATOR SHAFT.
3. REFERENCE FIRE ALARM CONTROL DRAWINGS FOR SEQUENCE OF OPERATION OF ALL FIRE ALARM EQUIPMENT REQUIRED TO OPERATE UPON ACTIVATION OF FIRE ALARM.

C. SUPERVISORY ALARM:

1. SPRINKLER TAMPER SWITCH ACTIVATION SHALL INITIATE AN AUDIOVISUAL SUPERVISORY ALARM AT THE FIRE ALARM CONTROL UNIT. SPRINKLER TAMPER SWITCH ACTIVATION SHALL GENERATE A FULL FIRE ALARM ACTIVATION.
2. SUPERVISORY SIGNAL SHALL BE TRANSMITTED TO THE FIRE ALARM DEPARTMENT OR MONITORING STATION.

D. TROUBLE ALARM

1. A TROUBLE ALARM SHALL INITIATE AN AUDIOVISUAL TROUBLE ALARM AT THE FIRE ALARM CONTROL UNIT.
2. A TROUBLE SIGNAL SHALL BE TRANSMITTED TO THE FIRE ALARM DEPARTMENT OR MONITORING STATION

FIRE ALARM NOTES:

3. THESE FIRE ALARM DOCUMENTS ARE INTENDED TO SHOW MINIMUM REQUIRED DETECTION AND NOTIFICATION DEVICES ONLY. THE AWARDED FIRE ALARM SUBCONTRACTOR IS RESPONSIBLE FOR A COMPLETE FIRE ALARM SYSTEM DESIGN. THE SUBCONTRACTOR IS REQUIRED TO PROVIDE ALL DEVICES REQUIRED TO MEET APPLICABLE CODES, PROJECT SPECIFICATION REQUIREMENTS, AND THE AHJ REQUIREMENTS. THE SUBCONTRACTOR IS REQUIRED TO COMPLY WITH ALL PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING SIGNED AND SEALED CALCULATIONS & SHOP DRAWINGS BY A QUALIFIED PROFESSIONAL ENGINEER. THE SUBCONTRACTOR SHALL PRODUCE SHOP DRAWINGS, REQUIRED BATTERY POWER CALCULATION, INTERCONNECTION WIRING DIAGRAMS, POWER SUPPLY DESIGN AND REQUIREMENTS, DATASHEETS, ETC. THESE DOCUMENTS SHALL SUBMITTED BY THE SUBCONTRACTOR FOR REVIEW AND/ OR APPROVAL BY THE AHJ AND ENGINEER AS REQUIRED
2. PROVIDE AN ADDRESSABLE FIRE ALARM SYSTEM INCLUDING ALL NECESSARY COMPONENTS TO CREATE A COMPLETE, FULLY FUNCTIONAL, CODE COMPLIANT SYSTEM. PROVIDE EQUIPMENT, MATERIALS, INSTALLATION, WORKMANSHIP, INSPECTION, AND TESTING IN ACCORDANCE WITH THE REQUIRED AND ADVISORY PROVISIONS OF NFPA 72.
3. PROVIDE AN INTELLIGENT, ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP) WITH 24VDC SYSTEM OPERATION. CONTROL PANEL SHALL COMPLY WITH UL 864. CABINET SHALL BE LOCKABLE STEEL CABINET
4. THE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW A MINIMAL QUANTITY OF DEVICES. THE FINAL QUANTITY AND LOCATION OF ALL DEVICES TO BE COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS SHALL BE PREPARED BY FIRE ALARM CONTRACTOR AND SUBMIT TO FIRE MARSHAL FOR FINAL APPROVAL. PROVIDE ADDITIONAL DEVICES WHEN REQUIRED FOR A FULLY FUNCTIONING FIRE ALARM SYSTEM AS REQUIRED BY NFPA 72
5. SMOKE DETECTORS SHALL BE INSTALLED MINIMUM 3'-0" FROM HVAC SUPPLY AIR DIFFUSERS.
6. CONNECT ALL FIRE/SMOKE DAMPERS TO POWER SUPPLY VIA FIRE ALARM RELAY. DAMPERS SHALL CLOSE UPON ACTIVATION OF BUILDING GENERAL ALARM.
7. PROVIDE SMOKE DETECTION IN ATTIC SPACE WHEN REQUIRED BY LOCAL AUTHORITIES.
8. VERIFY LOCATION OF THE FIRE ALARM CONTROL PANEL WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
9. PROVIDE INTERLOCKS TO THE BUILDING FIRE ALARM SYSTEM TO PROVIDE AUTOMATIC SIGNALING TO AN APPROVED LOCATION WITH ADEQUATE DIALING AND COMMUNICATION SYSTEM TO ALERT THE LOCAL FIRE DEPARTMENT. A LEASED TELEPHONE LINE WILL BE PROVIDED BY THE OWNER.
10. ALL JUNCTION BOXES AND COVER PLATES TO EMERGENCY SYSTEM SHALL BE PAINTED RED FOR QUICK RECOGNITION.
11. REFERENCE FIRE ALARM DRAWINGS FOR EXACT LOCATION OF ALL FIRE ALARM EQUIPMENT AND FIRE/SMOKE DAMPERS.
12. ALL CONTROL AND ALARM CABLES SHALL BE INSTALLED IN CONDUIT.
13. CONTRACTOR SHALL VERIFY THAT THE QUANTITY AND LOCATIONS SHOWN ON THE DRAWINGS SHALL PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM TO THE OWNER.
14. FIRE ALARM CONTRACTOR SHALL PROVIDE FINAL LAYOUT AND PLACEMENT FOR ALL FIRE ALARM DEVICES TO MEET NFPA 72 AND LOCAL CODES AND ORDINANCES.
15. REQUIREMENTS FOR FIRE PROTECTION SERVICE EQUIPMENT AND MATERIAL SHALL HAVE BEEN TESTED BY AND LISTED BY UL AND/OR BY FM.
16. THE INSTALLING CONTRACTOR SHALL PROVIDE THE FOLLOWING: NICET FIRE ALARM TECHNICIANS TO PERFORM THE INSTALLATION OF THE SYSTEM. A NICET LEVEL 4 FIRE ALARM TECHNICIAN SHALL SUPERVISE THE INSTALLATION OF THE FIRE ALARM SYSTEM OR A FIRE ALARM TECHNICIAN WITH A MINIMUM OF 8 YEARS OF EXPERIENCE SHALL PERFORM/SUPERVISE THE INSTALLATION OF THE FIRE ALARM SYSTEM. THE FIRE ALARM TECHNICIANS SUPERVISING THE INSTALLATION OF EQUIPMENT SHALL BE FACTORY TRAINED IN THE INSTALLATION, ADJUSTMENT, TESTING, AND OPERATION OF THE EQUIPMENT SPECIFIED HEREIN AND ON THE DRAWINGS.
17. CONTRACTOR SHALL PROVIDE BREAKERS, CONDUIT, AND WIRING POWER FOR ALL BOOSTER POWER SUPPLIES AS REQUIRED PER THE FIRE ALARM VENDOR DRAWINGS.
18. PROVIDE MINIMUM 20 PERCENT SPARE ZONES FOR FIRE ALARM CONTROL PANEL.
19. THE FIRE ALARM SYSTEM BACKUP BATTERIES SHALL BE CAPABLE OF POWERING THE LOAD FOR A DURATION OF NOT LESS THAN 24 HOURS, AS REQUIRED IN NFPA 72.
20. CONTRACTOR SHALL CONFIRM THE MAXIMUM SOUND PRESSURE LEVEL FOR AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL BE 110 DBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE, WHERE THE AVERAGE AMBIENT NOISE IS GREATER THAN 95 DBA, VISIBLE ALARM NOTIFICATION APPLIANCES SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72 AND AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL NOT BE REQUIRED.
21. FIRE ALARM DEVICES IN POOL EQUIPMENT AND POOL STORAGE TO BE LISTED FOR CORROSIVE ENVIRONMENTS.

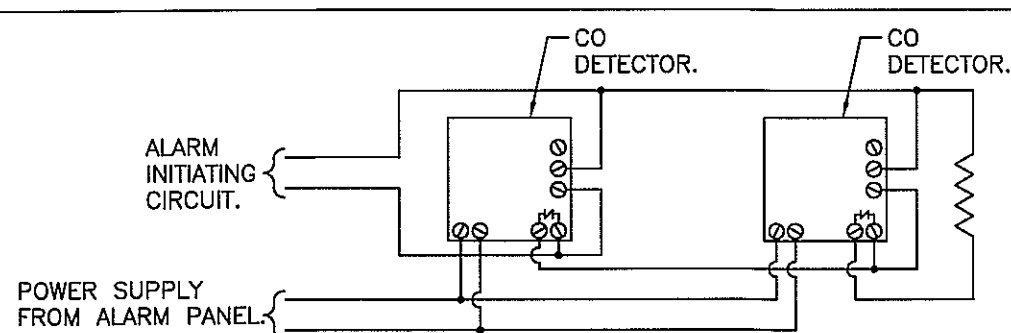
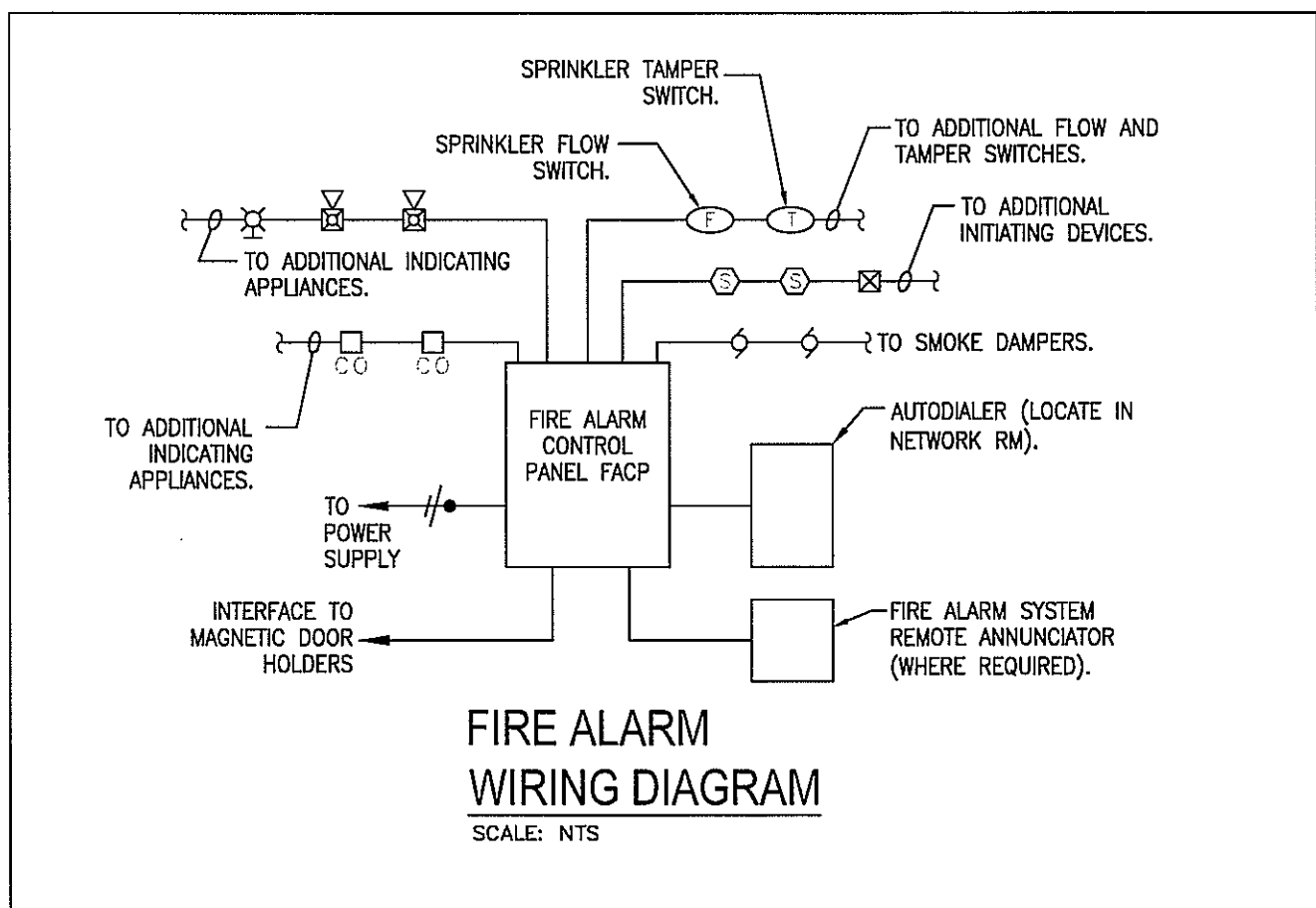
NOTES:

CONTRACTOR WILL PROVIDED CARBON MONOXIDE DETECTORS (BATTERY OPERATED, ELECTRICAL OUTLET WITH BATTERY BACK-UP, HARDWIRED) IN:

1. ALL GUEST ROOMS.
2. ALL ROOMS AND ENCLOSED SPACES WHERE FUEL IS BURNED.
3. ALL ROOMS AND ENCLOSED SHARING A WALL, FLOOR, OR CEILING WITH AN ENCLOSED SPACE WHERE FUEL IS BURNED.
4. ALL ROOMS AND ENCLOSED NEXT TO, ABOVE, OR BELOW A VENT PIPE FOR EQUIPMENT OR APPLIANCES THAT BURN FUEL

EXCEPTION: SLEEPING UNITS OR DWELLING UNITS WHICH DO NOT THEMSELVES CONTAIN A FUEL-BURNING APPLIANCE OR HAVE AN ATTACHED GARAGE, BUT WHICH ARE LOCATED IN A BUILDING WITH A FUEL-BURNING APPLIANCE OR AN ATTACHED GARAGE, NEED NOT BE EQUIPPED WITH SINGLE-STATION CARBON MONOXIDE ALARMS PROVIDED THAT:

1. THE SLEEPING UNIT OR DWELLING UNIT IS LOCATED MORE THAN ONE STORY ABOVE OR BELOW ANY STORY WHICH CONTAINS A FUEL-BURNING APPLIANCE OR AN ATTACHED GARAGE;
2. THE SLEEPING UNIT OR DWELLING UNIT IS NOT CONNECTED BY DUCT WORK OR VENTILATION SHAFTS TO ANY ROOM CONTAINING A FUEL-BURNING APPLIANCE OR TO AN ATTACHED GARAGE; AND
3. THE BUILDING IS EQUIPPED WITH A COMMON AREA CARBON MONOXIDE ALARM SYSTEM. F 908.7.1 CARBON MONOXIDE DETECTION SYSTEMS. CARBON MONOXIDE DETECTION SYSTEMS, WHICH INCLUDE CARBON MONOXIDE DETECTORS AND AUDIBLE NOTIFICATION APPLIANCES, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION FOR CARBON MONOXIDE ALARMS AND NFPA 720 SHALL BE PERMITTED. THE CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH UL 2075. [F] 908.7.1



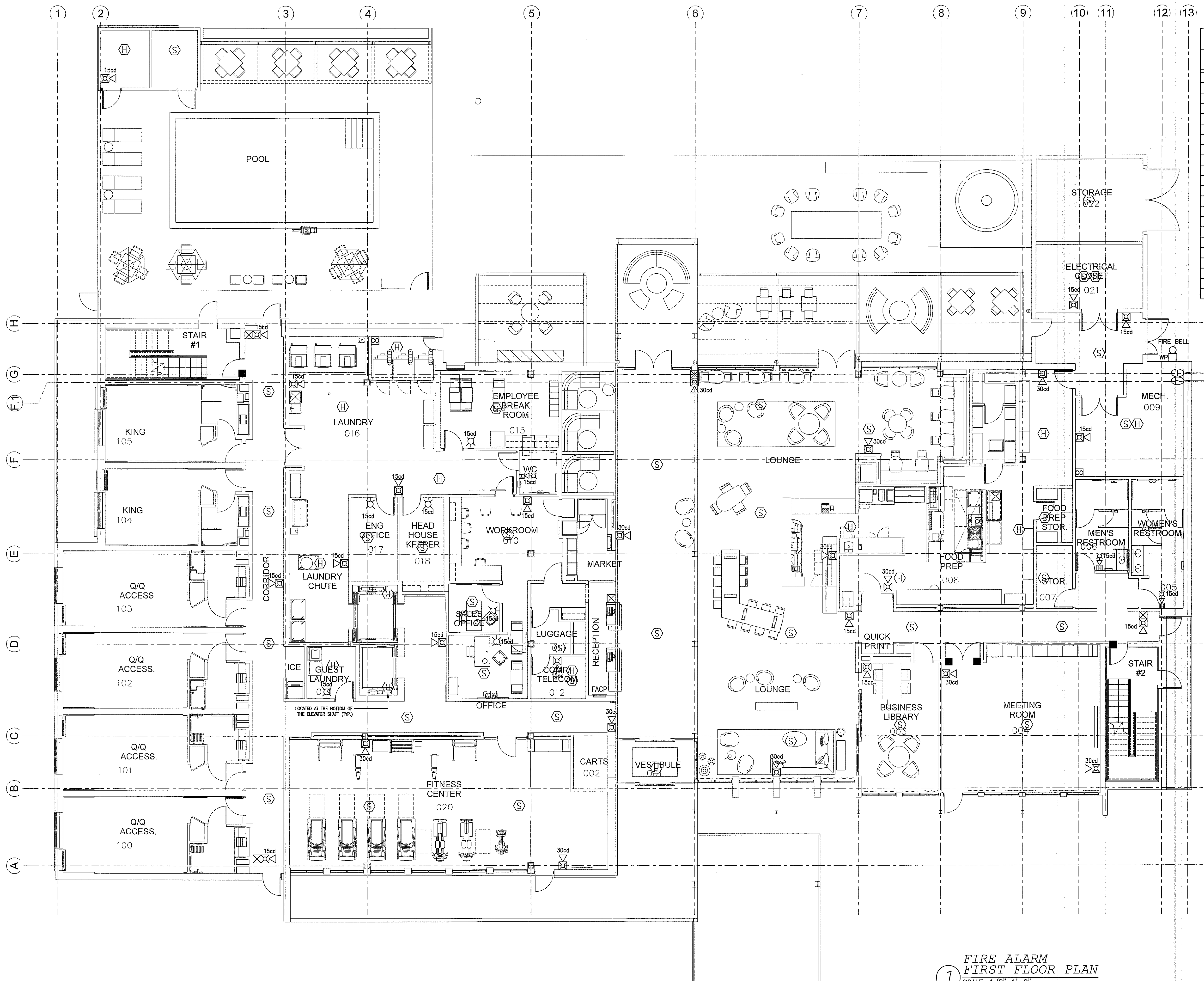
NOTE:

1. PLACEMENT OF THE CARBON MONOXIDE DETECTOR SHALL BE PER MANUFACTURES RECOMMENDATION.
2. THE CARBON MONOXIDE DETECTOR SHALL BE DESIGNED TO DETECT CARBON MONOXIDE GAS FROM ANY SOURCE OF COMBUSTION.
3. THE CARBON MONOXIDE DETECTOR SHALL ONLY INDICATE THE PRESENCE OF CARBON MONOXIDE GAS AT THE SENSOR.

CO DETECTOR ALARM CONNECTION DIAGRAM

SCALE: NTS

A circular professional engineer seal for Dung D. Vu, License No. 83005, State of California. The seal features the text "DUNG D. VU" at the top, "LICENSE" below it, and "No. 83005" in the center. At the bottom, it reads "STATE OF CALIFORNIA" and "PROFESSIONAL ENGINEER". The seal is surrounded by a dotted border and has three stars. A signature is written across the seal.



FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6'-8" AFF
	COMBINATION HORN/STROBE LIGHT	WALL - 6'-8" AFF
	STROBE LIGHT	WALL - 6'-8" AFF
	FIRE BELL	WALL
	SMOKE DETECTOR	CEILING
	DUCT DETECTOR	IN MECH. DUCT
	HEAT DETECTOR	CEILING
	MAGNETIC DOOR HOLDER	WALL
	SPECIAL DEVICE (AS NOTED)	
	SHUT DOWN RELAY	
	FLOW SWITCH (SPRINKLER)	
	TAMPER SWITCH (SPRINKLER)	
	SMOKE DETECTOR	WALL
	CARBON MONOXIDE DETECTOR	
	FIREMAN'S PHONE	WALL - 48" AFF.
	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
	FIRE ALARM ANNUNCIATOR PANEL (FACP)	
	FIRE ALARM CONTROL PANEL (FACP)	
	INDICATES HANDICAP ACCESS SUITE	
	INDICATES HEARING IMPAIRED SUITE	

SPRINKLER FLOW AND TAMPER SWITCH. PROVIDE ONE FLOW AND ONE TAMPER SWITCH FOR EACH SPRINKLER ZONE. FIELD COORDINATE QUANTITIES REQUIRED WITH SPRINKLER CONTRACTOR

1 FIRE ALARM
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

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PROJECT NAME

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1ST FL FIRE ALARM PLAN

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COURTYARD®
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REVISIONS

PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

2ND FL FIRE ALARM PLAN

CONTRACTOR COPY

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DATE: 03/11/19

SEAL+SIGNATURE

DATE 01.18.2019

PROJECT NUMBER 17.282

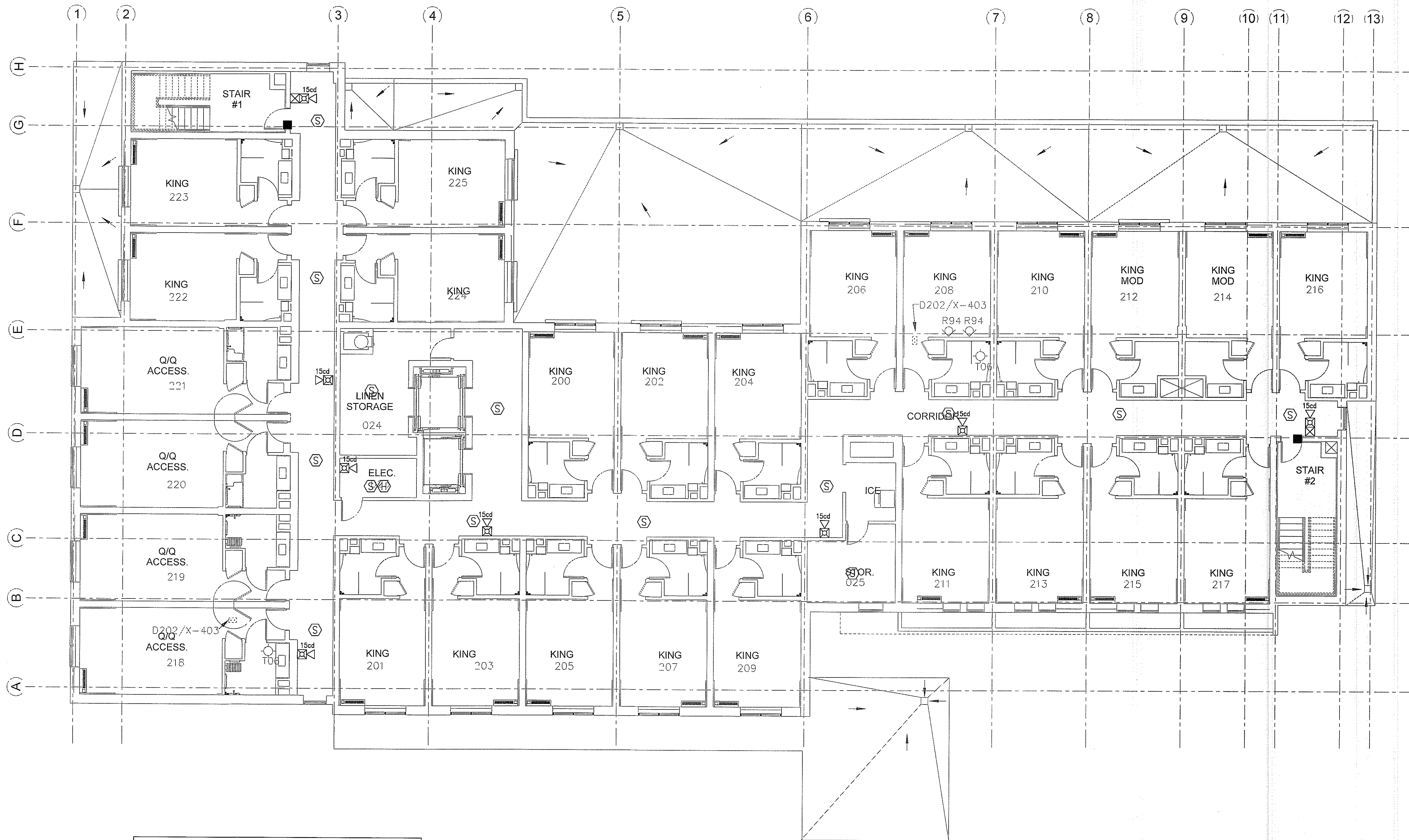
DRAWING NUMBER

DECOR: C'Ynergy

E5.2

PAGE NUMBER

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
☒☒☒	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF
☒☒	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF
☒☒	STROBE LIGHT	WALL - 6"-8" AFF
☐☐	FIRE BELL	WALL
☐☐	SMOKE DETECTOR	CEILING
☐☐	DUCT DETECTOR	IN MECH. DUCT
☐☐	HEAT DETECTOR	CEILING
☐☐	MAGNETIC DOOR HOLDER	WALL
☐☐	SPECIAL DEVICE (AS NOTED)	
☐☐	SHUT DOWN RELAY	
☐☐	FLOW SWITCH (SPRINKLER)	
☐☐	TAMPER SWITCH (SPRINKLER)	
☐☐	SMOKE DETECTOR	WALL
☐☐	CARBON MONOXIDE DETECTOR	
☐☐	FIREMAN'S PHONE	WALL - 48" AFF.
☐☐	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☐☐	FIRE ALARM ANNUNCIATOR PANEL (FAP)	
☐☐	FIRE ALARM CONTROL PANEL (FACP)	
☐☐	INDICATES HANDICAP ACCESS SUITE	
☐☐	INDICATES HEARING IMPAIRED SUITE	

1 FIRE ALARM
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

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PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

3RD FL FIRE ALARM PLAN

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DATE 01.18.2019

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E5.3

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	FIRE ALARM MANUAL PULL STATION	WALL -- 48" AFF
☒☒☒	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL -- 6'-8" AFF
☒☒	COMBINATION HORN/STROBE LIGHT	WALL -- 6'-8" AFF
☒☒	STROBE LIGHT	WALL -- 6'-8" AFF
☐	FIRE BELL	WALL
⊙	SMOKE DETECTOR	CEILING
⊙	DUCT DETECTOR	IN MECH. DUCT
⊙	HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒	SHUT DOWN RELAY	
⊙	FLOW SWITCH (SPRINKLER)	
⊙	TAMPER SWITCH (SPRINKLER)	
☒☒	SMOKE DETECTOR	WALL
☐☐	CARBON MONOXIDE DETECTOR	
☒	FIREMAN'S PHONE	WALL -- 48" AFF.
☒	2-WAY COMMUNICATION DEVICE	WALL -- 48" AFF.
☒	FIRE ALARM ANNUNCIATOR PANEL (FAAP)	
☒	FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
♿	INDICATES HEARING IMPAIRED SUITE	

1 FIRE ALARM
THIRD FLOOR PLAN
SCALE: 1/8"=1'-0"

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PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

4TH FL FIRE ALARM PLAN

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DATE *03/11/19*

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DATE 01.18.2019

PROJECT NUMBER 17.282

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DECOR: CYnergy

E5.4

PAGE NUMBER

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
	QUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF
	COMBINATION HORN-STROBE LIGHT	WALL - 6"-8" AFF
	STROBE LIGHT	WALL - 6"-8" AFF
	FIRE BELL	WALL
	SMOKE DETECTOR	CEILING
	DUCT DETECTOR	IN MECH. DUCT
	HEAT DETECTOR	CEILING
	MAGNETIC DOOR HOLDER	WALL
	SPECIAL DEVICE (AS NOTED)	
	SHUT DOWN RELAY	
	FLOW SWITCH (SPRINKLER)	
	TAMPER SWITCH (SPRINKLER)	
	SMOKE DETECTOR	WALL
	CARBON MONOXIDE DETECTOR	
	FIREMAN'S PHONE	WALL - 48" AFF.
	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
	FIRE ALARM ANNUNCIATOR PANEL (FAP)	
	FIRE ALARM CONTROL PANEL (FACP)	
	INDICATES HANDICAP ACCESS SUITE	
	INDICATES HEARING IMPAIRED SUITE	

1 FIRE ALARM
FOURTH FLOOR PLAN
SCALE: 1/8"=1'-0"

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REVISIONS

PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

5TH FL FIRE ALARM PLAN

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DATE: 02/11/19

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DATE 01.18.2019

PROJECT NUMBER 17.282

DRAWING NUMBER

DECOR: CYnergy

E5.5

PAGE NUMBER

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF.
☒	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF.
☒	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF.
☒	STROBE LIGHT	WALL - 6"-8" AFF.
☐	FIRE BELL	WALL
Ⓢ	SMOKE DETECTOR	CEILING
Ⓢ	DUCT DETECTOR	IN MECH. DUCT
Ⓢ	HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒	SHUT DOWN RELAY	
☒	FLOW SWITCH (SPRINKLER)	
☒	TAMPER SWITCH (SPRINKLER)	
Ⓢ	SMOKE DETECTOR	WALL
☐	CO CARBON MONOXIDE DETECTOR	
☒	FIREMAN'S PHONE	WALL - 48" AFF.
☒	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒	FIRE ALARM ANNUNCIATOR PANEL (FAAP)	
☒	FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
?	INDICATES HEARING IMPAIRED SUITE	

1 FIRE ALARM
FIFTH FLOOR PLAN
SCALE: 1/8"=1'-0"

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REVISIONS

PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

6TH FL FIRE ALARM PLAN

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DATE 01.18.2019

PROJECT NUMBER 17.282

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DECOR: C'Ynergy

E5.6

PAGE NUMBER

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FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
☒☒☒	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF
☒☒☒	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF
☒☒	STROBE LIGHT	WALL - 6"-8" AFF
☐☐	FIRE BELL	WALL
Ⓢ	SMOKE DETECTOR	CEILING
Ⓢ	DUCT DETECTOR	IN MECH. DUCT
Ⓢ	HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒	SHUT DOWN RELAY	
☐	FLOW SWITCH (SPRINKLER)	
☐	TAMPER SWITCH (SPRINKLER)	
☒☒	SMOKE DETECTOR	WALL
☐☐	CARBON MONOXIDE DETECTOR	
☐	FIREMAN'S PHONE	WALL - 48" AFF.
☐	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☐	FIRE ALARM ANNUNCIATOR PANEL (FAP)	
☐	FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
👂	INDICATES HEARING IMPAIRED SUITE	

① FIRE ALARM
SIXTH FLOOR PLAN
SCALE: 1/8"=1'-0"

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REVISIONS

PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

LIGHTING SITE PLAN

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DATE: 03/14/19

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DATE 01.18.2019

PROJECT NUMBER 17.282

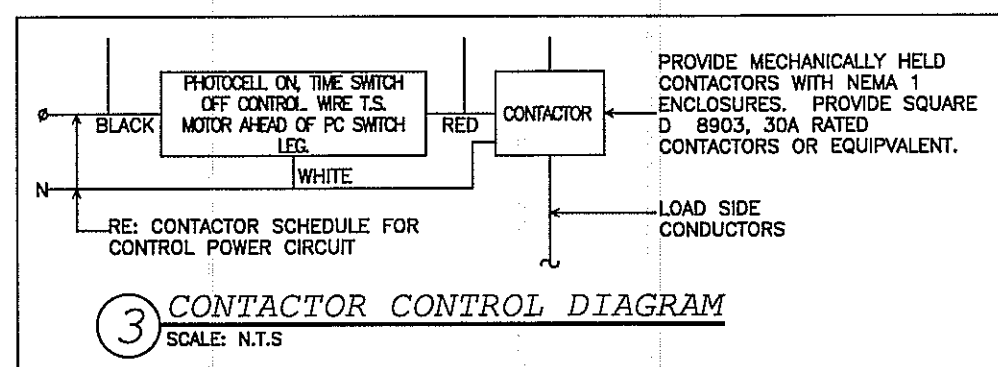
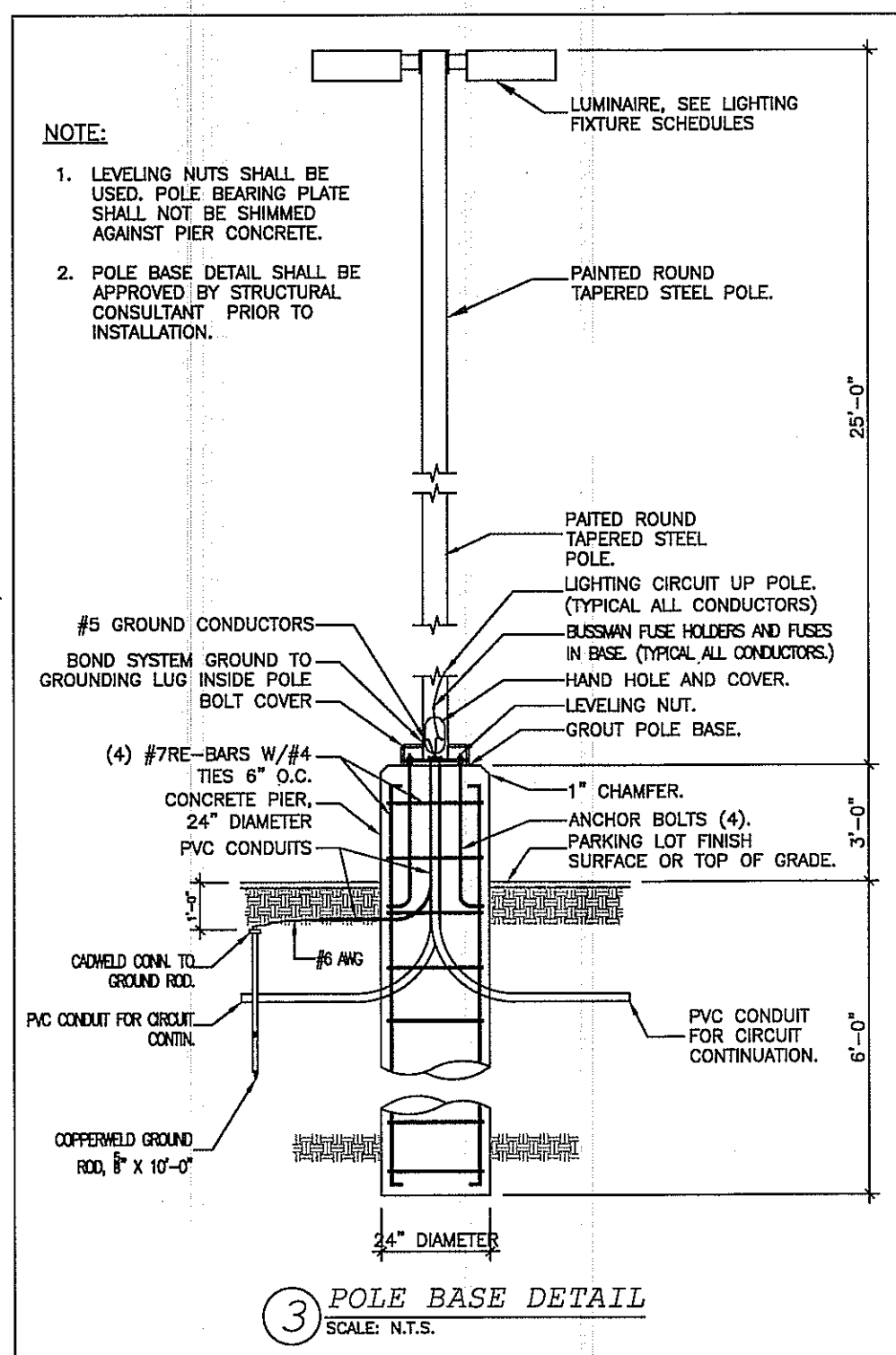
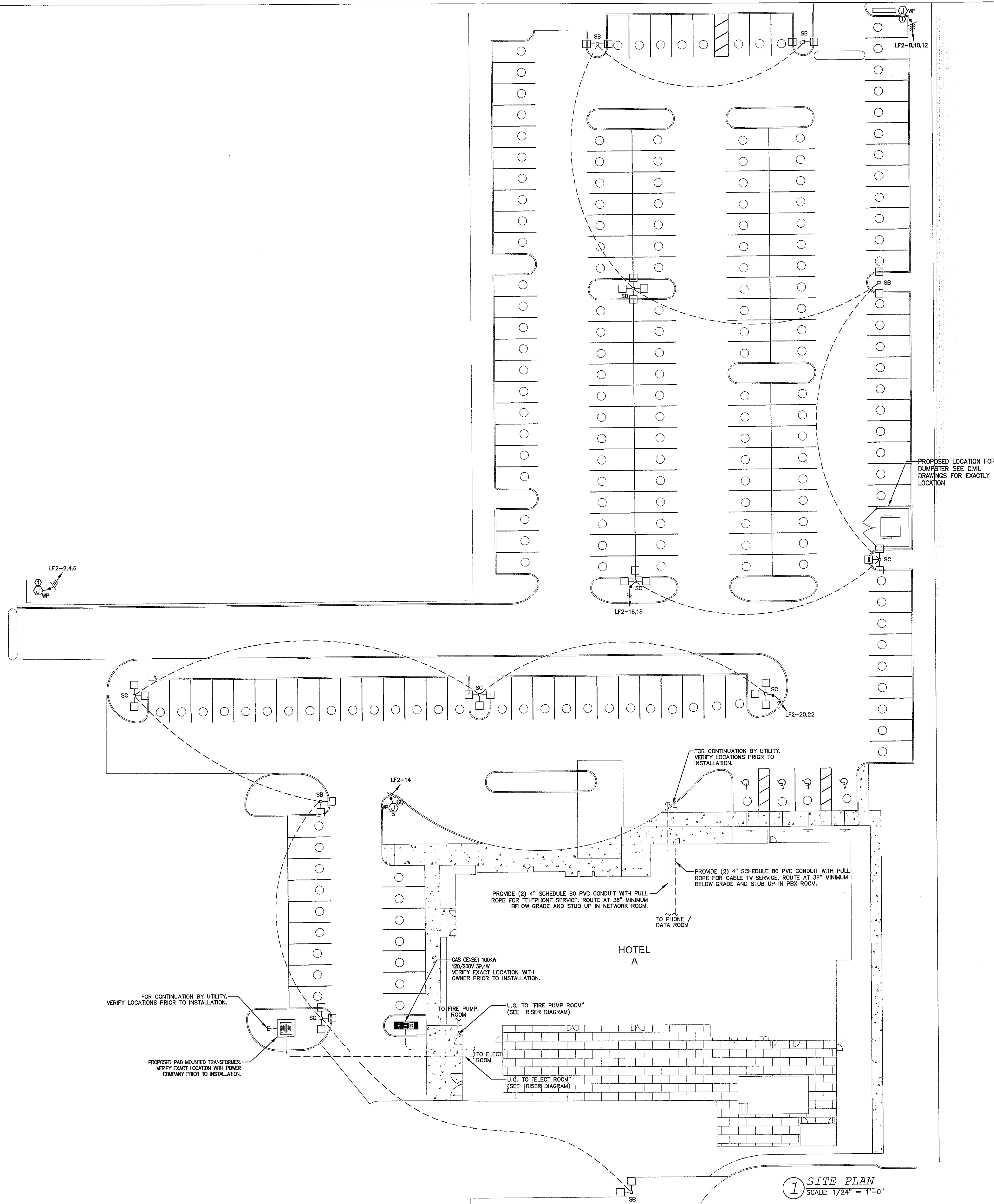
DRAWING NUMBER

DECOR: CYNergy

E6.0

PAGE NUMBER

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GENERAL SITE NOTES:

- FOR PARKING LOT LIGHTING CONTROL DIAGRAM SEE #3, E6.0
- PROVIDE METER AND CT'S PER UTILITY CO. SPECIFICATIONS.
- INSTALL PAD MOUNTED TRANSFORMER PER UTILITY CO. SPECIFICATIONS. COORDINATE ALL OTHER REQUIREMENTS WITH LOCAL UTILITY CO.
- CONTRACTOR SHALL PROVIDE 5\"/>

KEY NOTES:

- J.BOX FOR MAIN SIGN. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
- J.BOX FOR FLAG POLE. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.

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REVISIONS

PROJECT NAME

COURTYARD INN,
LAKE CITY, FL.

DRAWING NAME

PHOTOMETRIC PLAN

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DATE: 03/11/19

SEAL+SIGNATURE

DATE 01.18.2019

PROJECT NUMBER 17.282

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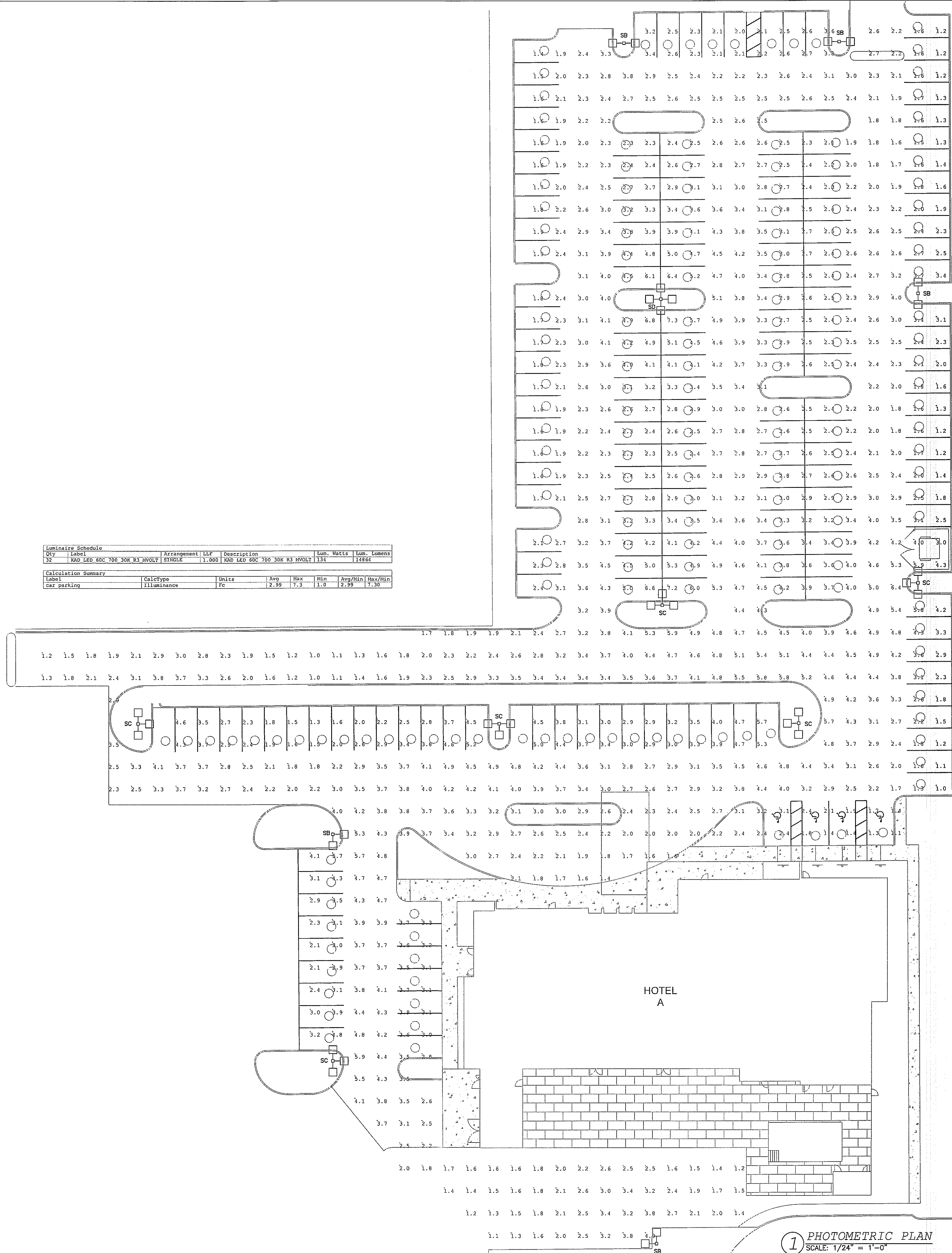
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PAGE NUMBER

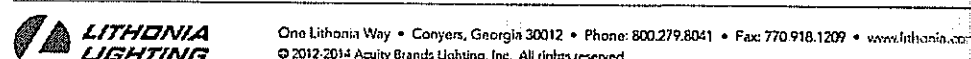
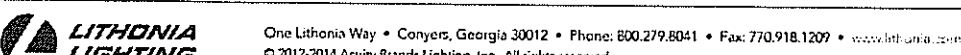
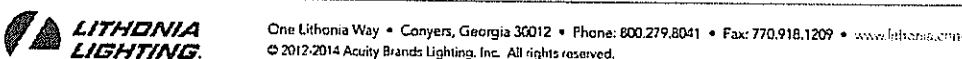
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Luminaire Schedule		Arrangement Lf		Description		Lum. Watts		Lum. Lumens	
Qty	Label	1	2	1,000	1,000	1,000	1,000	1,000	1,000
12	600 LED 600 700 30K R3 HVOLT	12	12	1,000	1,000	1,000	1,000	1,000	1,000

Calculation Summary		Units		Avg		Max		Min		Avg/Min		Max/Min	
Label	CalcType	1	2	1.0	2.99	7.3	1.0	2.99	7.30	1.0	2.99	7.30	7.30
car parking	Illuminance	1	2	1.0	2.99	7.3	1.0	2.99	7.30	1.0	2.99	7.30	7.30



SEAL & SIGNATURE	DATE	01.18.2019
	PROJECT NUMBER	17.282
	DRAWING NUMBER	
	DECOR:	CYnergy
	E6.2	
	PAGE NUMBER	
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1 LIGHTING CUT-SHEETS TYPE "SB", "SC", "SD"
SCALE: NTS

PROJECT NAME:		COURTYARD LAKE CITY																	
PROJECT NUMBER:		17282																	
PANEL:		182 (FED FROM LPD3)																	
VOLTAGE:		120/208V, 3PH, 4W, NEMA-1																	
		CLIENTS 1 REC'EP 2 EQUIP 3 2A/C 4 HTG 5 =125% LOST MTR 6 KIT (CHEN 7 TRENCH 8 BUS 9 200 AMP 10 COPPER 11 Y/CALCULATED										22 KA MAINS:		200 AMP MCB		MOUNTING LOCATION:		SURFACE MOUNTED ELEC- 5TH FLOOR	
CODES:	WIRE	LOAD	CIRCUIT DESCRIPTION		BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION		LOAD	WIRE	CODE					
3	12	1000	A/C-RM 500		2002	1	A	2	2002	A/C-RM 520		1000	12	3					
3	12	1000				3	B	4				1000	12	3					
3	12	1000	A/C-RM 501		2002	5	C	6	2002	A/C-RM 521		1000	12	3					
3	12	1000				7	A	8				1000	12	3					
3	12	1000	A/C-RM 502		2002	9	B	10	2002	A/C-RM 522		1000	12	3					
3	12	1000				11	C	12				1000	12	3					
3	12	1000	A/C-RM 503		2002	13	A	14	2002	A/C-RM 523		1000	12	3					
3	12	1000				15	B	16				1000	12	3					
3	12	1000	A/C-RM 504		2002	17	C	18	2002	A/C-RM 524		1000	12	3					
3	12	1000				19	A	20				1000	12	3					
3	12	1000	A/C-RM 505		2002	21	B	22	2002	A/C-RM 525		1000	12	3					
3	12	1000				23	C	24				1000	12	3					
3	12	1000	A/C-RM 506		2002	25	A	26	2001	EE-7		1000	12	2					
3	12	1000				27	B	28	2001	RCPTS - CORRIDOR / LINE STOR / ELEC. ROOM		1600	10	1					
3	12	1000	A/C-RM 507		2002	29	C	30	2001	RCPTS - CORRIDOR		1600	12	1					
3	12	1000				31	A	32	2001	ICE MACHINE		1500	12	2					
3	12	1000	A/C-RM 508		2002	33	B	34	2001	C.P.		1500	12	2					
3	12	1000				35	C	36	2001	C.P.		1500	12	2					
3	12	1000	A/C-RM 509		2002	37	A	38	2001	C.P.		1500	12	2					
3	12	1000				39	B	40	2001	FIRE SMOKE DAMPER		200	12	2					
3	12	1000	A/C-RM 510		2002	41	C	42	2002	BRARE									
3	12	1000				43	A	44											
3	12	1000	A/C-RM 511 (PTAC No.1)		2002	45	B	46	2002										
3	12	1000				47	C	48											
3	12	1000	A/C-RM 511 (PTAC No.2)		2002	49	A	50	2001										
3	12	1000				51	B	52											
3	12	1000	A/C-RM 512		2002	53	C	54											
3	12	1000				55	A	56											
3	12	1000	A/C-RM 513		2002	57	B	58		SPACE ONLY									
3	12	1000				59	C	60											
3	12	1000	A/C-RM 514		2002	61	A	62											
3	12	1000				63	B	64											
3	12	1000	A/C-RM 515		2002	65	C	66											
3	12	1000				67	A	68											
3	12	1000	A/C-RM 516		2002	69	B	70											
3	12	1000				71	C	72											
3	12	1000	A/C-RM 517		2002	73	A	74											
3	12	1000				75	B	76											
3	12	1000	A/C-RM 518		2002	77	C	78											
3	12	1000				79	A	80											
3	12	1000	A/C-RM 519		2002	81	B	82											
3	12	1000				83	C	84											
SUB-PNL		LIGHTS	REC'EP	EQUIP	MOTORS	EL HEAT		PHASE	F.T.I.		PHASE	CONN.KVA	LOAD FACTORS	DES.KVA		DES.AMP			
0	0	0	1500	18000		0	A				A	21.10 (LIGHTING+N/A) (G. MOTOR=N/A)		21.10		89			
0	0	0	1700	16000		0	B				B	20.98 (SUB-PANEL=N/A)		20.98		58			
0	0	0	1620	18000		0	C				C	21.12 EQUIP.@100%(MOTOR@100%;		21.12		58			
0	0	0	2880	6300	54000	0	TOTAL				TOTAL	63.18 RCPTS@100%(LESS THAN 10KW)		63.18		175			
													GRAND TOTAL		63.18		175A		

[illegible]

NOTE: 1- PROVIDE ARC-FAULT CIRCUIT BREAKERS FOR ALL BRANCH CIRCUITS IN GUEST ROOMS (ARTICLE 210.126 & 210.12 - NEC 2017)																			
PROJECT NAME		COURTYARD LAKE CITY																	
PROJECT NUMBER		1285																	
PANEL		L22 (FED FROM LDP2)																	
VOLTAGE		120/208V, 3PH, 4W																	
		NEC-41																	
		COPPER																	
		A/C RATING:																	
		BUS: 200 AMP																	
		22 KA																	
		MANS: 200 AMP																	
		M-C-9																	
		MOUNTING:																	
		LOCATION:																	
		SURFACE MOUNTED																	
		ELEC-4TH FLOOR																	
CODES:		CIRCUITS 1-RECEP 2-EQUIP 3-A/C 4-HVAC 5-125% LGST MTR 6-KITCHEN 7-PREVIOUSLY CALCULATED																	
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE							
3	12	1000	A/C-RM 400	202	1	A	2	202	A/C-RM 430	1000	12	3							
3	12	1000	-	202	3	B	4	202	-	1000	12	3							
3	12	1000	A/C-RM 401	202	5	C	6	202	A/C-RM 421	1000	12	3							
3	12	1000	-	202	7	A	8	202	-	1000	12	3							
3	12	1000	A/C-RM 402	202	9	B	10	202	A/C-RM 422	1000	12	3							
3	12	1000	-	202	11	C	12	202	-	1000	12	3							
3	12	1000	A/C-RM 403	202	13	A	14	202	A/C-RM 423	1000	12	3							
3	12	1000	-	202	15	B	16	202	-	1000	12	3							
3	12	1000	A/C-RM 404	202	17	C	18	202	A/C-RM 424	1000	12	3							
3	12	1000	-	202	19	A	20	202	-	1000	12	3							
3	12	1000	A/C-RM 405	202	21	B	22	202	A/C-RM 425	1000	12	3							
3	12	1000	-	202	23	C	24	202	-	1000	12	3							
3	12	1000	A/C-RM 406	202	25	A	26	201	EF-7	1000	12	3							
3	12	1000	-	202	27	B	28	201	RCPTS - CORRIDOR LINE STOR/ELEG. ROOM	1260	10	1							
3	12	1000	A/C-RM 407	202	29	C	30	201	RCPTS - CORRIDOR	1260	12	1							
3	12	1000	-	202	31	A	32	201	ICE MACHINE	1900	12	2							
3	12	1000	A/C-RM 408	202	33	B	34	201	FIRE SMOKE DAMPER	200	12	2							
3	12	1000	-	202	35	C	36	202	SPARE										
3	12	1000	A/C-RM 409	202	37	A	38	202	-										
3	12	1000	-	202	39	B	40	202	-										
3	12	1000	A/C-RM 410	202	41	C	42	201	-										
3	12	1000	-	202	43	A	44	201	-										
3	12	1000	A/C-RM 411	202	45	B	46		-										
3	12	1000	-	202	47	C	48		-										
3	12	1000	A/C-RM 412	202	49	A	50		-										
3	12	1000	-	202	51	B	52		-										
3	12	1000	A/C-RM 413	202	53	C	54		-										
3	12	1000	-	202	55	A	56		-										
3	12	1000	A/C-RM 414	202	57	B	58		-										
3	12	1000	-	202	59	C	60		-										
3	12	1000	A/C-RM 415	202	61	A	62		-										
3	12	1000	-	202	63	B	64		-										
3	12	1000	A/C-RM 416	202	65	C	66		-										
3	12	1000	-	202	67	A	68		-										
3	12	1000	A/C-RM 417	202	69	B	70		-										
3	12	1000	-	202	71	C	72		-										
3	12	1000	A/C-RM 418	202	73	A	74		-										
3	12	1000	-	202	75	B	76		-										
3	12	1000	A/C-RM 419	202	77	C	78		-										
3	12	1000	-	202	79	A	80		-										
3	12	1000	A/C-RM 419	202	81	B	82		-										
3	12	1000	-	202	83	C	84		-										
SUB-PNL		LIGHTS	RECEP	EQUIP	MOTORS		EL/HEAT		PHASE	F.T.L.	A		PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP		
0	0	0	1600	18000	0		0		A	15.46	A		15.46 (LIGHTING+NAT'L G.S. MOTOR+N/A)	19.65		54			
0	0	1260	200	18000	0		0		B	15.46 (SUB-PANEL+N/A)	B		15.46 (SUB-PANEL+N/A)	19.65		54			
0	0	1260	0	18000	0		0		C	19.26 EQUIP @100%; MOTOR @100%;	C		19.26 EQUIP @100%; MOTOR @100%;	19.26		53			
0	0	2220	1800	54000	0		0		TOTAL	58.32 RCPTS/58.100% LESS THAN 100KW	TOTAL		58.32 RCPTS/58.100% LESS THAN 100KW	58.32		167			
															GRAND TOTAL		58.32	167.9	

1. CONTRACTOR SHALL PROVIDE A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE FAULT CURRENT AT TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2"X3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND.

ELEC. PANELS SCHEDULE

1111

SEAL+SIGNATURE	DATE	01.18.2019
	PROJECT NUMBER	17.282
	DRAWING NUMBER	
	DECOR:	CYner
	E7.0	
	PAGE NUMBER	
©UCJR Design Consultants 20		

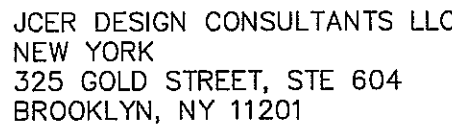
PROJECT NAME:		COURTYARD LAKE CITY 17282																		
PROJECT NUMBER:		121 (FEED FROM LDP1)																		
PANEL:		NEMA-1																		
VOLTAGE:		120/208V, 3PH, 4W																		
CODES:		CHLGRTS 1-REC2P 2-EQUIP 3-A-4-4-H10 5-125% LGST MTR 6-KITCHEN 7-PREVIOUSLY CALCULATED																		
		A/C RATINGS: BUS: 250 AMP COPPER										22KVA		250 AMP M.C.B		MOUNTING:		SURFACE MOUNTED ELFC-2ND FLOOR		
CODES:	WIRE	LOAD	CIRCUIT DESCRIPTION		RM	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION		RM	LOAD	WIRE	CODE				
0	12	1000	RCPT/SALTS		RM 200	201	1	A	2	201	RCPT/SALTS		RM 213	1000	12	0				
2	12	1000	REFR/MCRO		-	201	3	B	4	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	5	C	5	201	RCPT/VANITY		-	180	12	0				
0	12	1000	RCPT/SALTS		RM 201	201	7	A	8	201	RCPT/SALTS		RM 214	1000	12	0				
2	12	1000	REFR/MCRO		-	201	9	B	10	201	REFR/MCRO		-	1000	12	0				
2	12	180	RCPT/VANITY		-	201	11	C	12	201	RCPT/VANITY		-	180	12	2				
0	12	1000	RCPT/SALTS		RM 202	201	13	A	14	201	RCPT/SALTS		RM 215	1000	12	0				
2	12	1000	REFR/MCRO		-	201	15	B	16	201	REFR/MCRO		-	1000	12	0				
1	12	180	RCPT/VANITY		-	201	17	C	18	201	RCPT/VANITY		-	180	12	2				
0	12	1000	RCPT/SALTS		RM 203	201	19	A	20	201	RCPT/SALTS		RM 216	1000	12	0				
2	12	1000	REFR/MCRO		-	201	21	B	22	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	23	C	24	201	RCPT/VANITY		-	180	12	0				
0	12	1000	RCPT/SALTS		RM 204	201	25	A	26	201	RCPT/SALTS		RM 217	1000	12	0				
2	12	1000	REFR/MCRO		-	201	27	B	28	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	29	C	30	201	RCPT/VANITY		-	180	12	2				
0	12	1000	RCPT/SALTS		RM 205	201	31	A	32	201	RCPT/SALTS		RM 218	1000	12	1				
2	12	1000	REFR/MCRO		-	201	33	B	34	201	REFR/MCRO		-	1000	12	0				
1	12	180	RCPT/VANITY		-	201	35	C	36	201	RCPT/VANITY		-	180	12	1				
0	12	1000	RCPT/SALTS		RM 206	201	37	A	38	201	RCPT/SALTS		RM 219	1000	12	0				
2	12	1000	REFR/MCRO		-	201	39	B	40	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	41	C	42	201	RCPT/VANITY		-	180	12	0				
0	12	1000	RCPT/SALTS		RM 207	201	43	A	44	201	RCPT/SALTS		RM 220	1000	12	1				
2	12	1000	REFR/MCRO		-	201	45	B	46	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	47	C	48	201	RCPT/VANITY		-	180	12	0				
0	12	1000	RCPT/SALTS		RM 208	201	49	A	50	201	RCPT/SALTS		RM 221	1000	12	0				
2	12	1000	REFR/MCRO		-	201	51	B	52	201	REFR/MCRO		-	1000	12	2				
2	12	180	RCPT/VANITY		-	201	53	C	54	201	RCPT/VANITY		-	180	12	1				
0	12	1000	RCPT/SALTS		RM 209	201	55	A	56	201	RCPT/SALTS		RM 222	1000	12	0				
2	12	1000	REFR/MCRO		-	201	57	B	58	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	59	C	60	201	RCPT/VANITY		-	180	12	1				
0	12	1000	RCPT/SALTS		RM 210	201	61	A	62	201	RCPT/SALTS		RM 223	1000	12	0				
2	12	1000	REFR/MCRO		-	201	63	B	64	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	65	C	66	201	RCPT/VANITY		-	180	12	1				
0	12	1000	RCPT/SALTS		RM 211	201	67	A	68	201	RCPT/SALTS		RM 224	1000	12	0				
2	12	1000	REFR/MCRO		-	201	69	B	70	201	REFR/MCRO		-	1000	12	2				
2	12	180	RCPT/VANITY		-	201	71	C	72	201	RCPT/VANITY		-	180	12	1				
0	12	1000	RCPT/SALTS		RM 212	201	73	A	74	201	RCPT/SALTS		RM 225	1000	12	0				
2	12	1000	REFR/MCRO		-	201	75	B	76	201	REFR/MCRO		-	1000	12	2				
1	12	180	RCPT/VANITY		-	201	77	C	78	201	RCPT/VANITY		-	180	12	1				
			SPARE			201	79	A	80	201	SPARE									
							81	C	82											
SUB-PNL	LIGHTS	RECEP.	EQUIP.	MOTORS		EL HEAT	PHASE	F.T.L.	PHASE	CON/KVA	LOAD FACTORS		DES. KVA	DES. AMP						
0	0	26500	0	0		0	A		A	26.00	LIGHTING@125% (LG. MOTOR @NA)		32.50	70						
0	0	0	26500	0		0	B		B	26.00	(SUB-PANEL @NA)		26.50	92						
0	0	0	4680	0		0	C		C	4.68	EQUIP @100% (MOTOR @NA)		4.68	13						
0	0	26500	4680	26500		0	C	TOTAL	TOTAL	56.68	RCPT/STS 100% (LESS THAN 10KW)		63.18	175						
NOTE: 1- PROVIDE ARC-Fault CIRCUIT BREAKERS FOR ALL BRANCH CIRCUITS IN GUEST ROOMS (ARTICLE 210.12B & 210.16 - NEC 2015)													GRAND TOTAL				63.18	175.4		

PROJECT NAME: PROJECT NUMBER		COURTYARD LAKE CITY 17282		A/C RATINGS: BUS: 250 AMP COPPER		42 KA MAINS:		250 AMP M.C.B.		MOUNTING: LOCATION:		SURFACE MOUNTED ELEC. 1ST FLOOR	
PANEL:		L2 (FED FROM LDP#1) 120/200V, 3PH, 4W, NEMA-1		CIRCUIT DESCRIPTION		CIRCUIT BREAKER		CIRCUIT DESCRIPTION		CIRCUIT BREAKER		CIRCUIT DESCRIPTION	
CODES:	WIRE	LOAD	CIRCUIT DESCRIPTION		PHASE	WIRE	LOAD	CIRCUIT DESCRIPTION		PHASE	WIRE	LOAD	CODE
0	10	250	LTS- TYPE "X", "X", "X", "X" AT MAIN LOBBY/VENUE	201	1	A	2	201	250	LTS- TYPE "X", "X", "X", "X" AT MAIN LOBBY/VENUE	201	1	A
0	10	800	LTS- CORRIDOR	201	3	B	4	201	800	LTS- CORRIDOR	201	3	B
0	10	250	LTS- CORRIDOR	201	2	C	6	201	250	LTS- CORRIDOR	201	2	C
0	10	716	LTS- FITNESS CENTER	201	7	A	8	201	716	LTS- FITNESS CENTER	201	7	A
0	10	916	LTS- LAUNDRY GUEST LAUNDRY	201	9	B	10	201	916	LTS- LAUNDRY GUEST LAUNDRY	201	9	B
0	12	1289	LTS- OFFICE/ BREAKROOM TEL COMP	201	11	C	12	201	1289	LTS- OFFICE/ BREAKROOM TEL COMP	201	11	C
0	12	816	LTS- LED TRIP LOBBY	201	13	A	14	201	816	LTS- LED TRIP LOBBY	201	13	A
0	12	1000	LTS- TYPE "100" AT LOUNGE	201	15	B	16	202	1000	LTS- TYPE "100" AT LOUNGE	201	15	B
0	12	916	LTS- FOOD PREP	201	17	C	18	201	916	LTS- FOOD PREP	201	17	C
0	12	580	LTS- MEETING ROOM/ BUSINESS TEL	201	19	A	20	202	580	LTS- MEETING ROOM/ BUSINESS TEL	201	19	A
0	12	460	LTS- PUBLIC RESTROOM MECH	201	21	B	22	201	460	LTS- PUBLIC RESTROOM MECH	201	21	B
0	12	329	LTS- ELECTRICAL STORAGE/ VESTIBULE	201	23	C	24	201	329	LTS- ELECTRICAL STORAGE/ VESTIBULE	201	23	C
0	12	330	LTS- ENTRANCE CANOPY (NOTE 1)	201	24	A	26	201	330	LTS- ENTRANCE CANOPY (NOTE 1)	201	24	A
0	12	492	LTS- ENTRANCE CANOPY (NOTE 1)	201	27	B	28	201	492	LTS- ENTRANCE CANOPY (NOTE 1)	201	27	B
0	12	1000	LTS- VERTICAL BLDG LIGHT - Z74 A,B,C (NOTE 1)	201	29	C	30	201	1000	LTS- VERTICAL BLDG LIGHT - Z74 A,B,C (NOTE 1)	201	29	C
0	12	330	LTS- REAR ENTRANCE CANOPY (NOTE 1)	201	31	A	32	201	330	LTS- REAR ENTRANCE CANOPY (NOTE 1)	201	31	A
0	10	400	LTS- EXTERIOR "20", "Z75", "Z76" (NOTE 1)	201	33	B	34	201	400	LTS- EXTERIOR "20", "Z75", "Z76" (NOTE 1)	201	33	B
0	10	12	LTS- ENTRANCE CANOPY (NOTE 1)	201	35	C	38	201	12	LTS- ENTRANCE CANOPY (NOTE 1)	201	35	C
0	10	150	LTS- ENTRANCE CANOPY (NOTE 1)	201	37	A	38	201	150	LTS- ENTRANCE CANOPY (NOTE 1)	201	37	A
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	38	B	40	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	38	B
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 6TH FL	201	41	C	42	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 6TH FL	201	41	C
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	43	A	44	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	43	A
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	45	B	46	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 5TH FL	201	45	B
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 4TH FL	201	47	C	48	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 4TH FL	201	47	C
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 4TH FL	201	49	A	50	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 4TH FL	201	49	A
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 3RD FL	201	51	B	52	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 3RD FL	201	51	B
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 3RD FL	201	53	C	54	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 3RD FL	201	53	C
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 2ND FL	201	55	A	56	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 2ND FL	201	55	A
0	10	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 2ND FL	201	57	B	58	201	1645	LTS- CORRIDOR ELEV LOBBY/ELECTRICAL/ LINEN - 2ND FL	201	57	B
0	10	663	LTS- TYPE "R60", "X1", "X2" AT STAIRCASE	201	59	C	60	201	663	LTS- TYPE "R60", "X1", "X2" AT STAIRCASE	201	59	C
0	12	100	LTS- EXTERIOR TYPE "Z88" (NOTE 1)	201	61	A	62	201	100	LTS- EXTERIOR TYPE "Z88" (NOTE 1)	201	61	A
2	10	1500	DIMMING CONTROL PANEL	203	63	B	64	203	1500	DIMMING CONTROL PANEL	203	63	B
2	10	1500		203	65	C	66	203	1500		203	65	C
2	10	1500		203	67	A	68	203	1500		203	67	A
SPACE ONLY					69	B	70	SPACE ONLY					
					71	C	72						
					73	A	74						
					75	B	76						
					77	C	78						
					79	A	80						
					81	B	82						
					83	C	84						
SUB-PNL	LIGHTS	RECEP.	EQUIP.	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONV.KVA	LOAD FACTORS	DES. KVA	DES. AMP	
0	15509	0	15000	0	0	A		17.01	17.01	LIGHTING@125% (JLG. MOTOR xNA)	20.89	26	
0	16391	0	1500	0	0	B		20.09	20.09	(SUB-PANEL xNA)	24.74	69	
0	16424.6	0	1500	0	0	C		17.92	17.92	(EQUIP.@100% (MOTOR xNA);	22.03	61	
0	55525	0	4500	0	0	TOTAL		55.02	55.02	(RCHP xNA)	67.66	186	
GRAND TOTAL											67.66	187.8	
NOTES: 1- CONTROLLED BY 20A. MECH. HELD LIGHTING CONTRACTORS WHICH IS CONTROLLED BY A 7-DAY, N-1 TIME CLOCK WITH 4 HRS BATTERIES IN PANEL LF2.													

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	PROJECT NUMBER 17.282
	DRAWING NUMBER
	DECOR: C'Ynergy
	E7.1
	PAGE NUMBER

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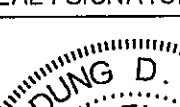
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REVISIONS

PROJECT NAME _____

DRAWING NAME

Reviewed for code compliance

SEAL & SIGNATURE	DATE	01.18.20
	PROJECT NUMBER 17.2	
	DRAWING NUMBER	
	DECOR:	CYn
	E7.2	
PAGE NUMBER		©UCER Design Consultants

PROJECT NAME: PROJECT NUMBER:		COURTYARD LAKE CITY 17282		A/C RATING: BUS: 350 AMP COPPER		42 KA MINUS:		350 AMP M.C.B.		MOUNTING: LOCATION:		SURFACE MOUNTED ELEC. 1ST FLOOR	
PANEL VOLTAGE:		EP (FED FROM LDP#1) 120/208V, 3PH, 4W NEUA-1		CIRCUIT DESCRIPTION									
CODES:		0=LGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=CRTRN 7=PREVIOUSLY CALCULATED											
CODE	WIRE	LOAD		BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE	
2	12	1500	TEL BOARD	201	1	A	2	1003	1	6667	1	2	
2	12	1500		201	3	B	4			6667	1	2	
2	12	1500		201	5	C	6			6667	1	2	
2	12	1500	SEC BOARD	201	7	A	8	1003	1	6667	1	2	
2	12	1500		201	9	B	10			6667	1	2	
2	12	1500		201	11	C	12			6667	1	2	
2	12	1500	TV BOARD	201	13	A	14	201	(11)-WALK-IN COOLER	240	12	2	
2	12	1500		201	15	B	16	201	(11.1)-WALK-IN COOLER EVAPORATOR	240	12	2	
2	12	1500		201	17	C	18	202	(12)-WALK-IN COOLER CONDENSER	613	12	2	
2	12	1500		201	19	A	20			613	12	2	
2	12	1500	ELEVATOR CABLE	201	21	B	22	201	(14)-WALK-IN FREEZER	240	12	2	
2	12	1500	ELEVATOR CABLE	201	23	C	24	202	(14.1)-WALK-IN FREEZER EVAPORATOR	593	12	2	
2	12	1500		201	25	A	26			593	12	2	
2	12	1500	IG RCPITS - RECEPTION AREA	201	27	B	28	202	(15)-WALK-IN FREEZER CONDENSER	1123	12	2	
1	12	1000	SPARE FOR KEY MACHINES	201	29	C	30			1123	12	2	
1	12	1820	RCPITS - PBX RM/RECEPTION AREA	201	31	A	32	302	(16)-COFFEE APTOT BREWER - STARBUCKS	2300	10	2	
2	12	1500	IG RCPITS - PHOTOCOPIER	201	33	B	34			2300	10	2	
2	12	1000	IG RCPITS - WORK RM AREA	201	35	C	36	302	(204)-ESPRESSO UNIT WITH WATER FILTER	2300	10	2	
1	12	720	IG RCPITS - OFFICE RM AREA	201	37	A	38			2300	10	2	
2	12	1080	IG RCPITS - BUSINESS AREA	201	39	B	40	201	WASHER (GUEST LAUNDRY)	1800	12	2	
2	12	1280	RCPITS - WORK RM AREA	201	41	C	42	302	DRYER (GUEST LAUNDRY)	2500	10	2	
1	12	800	RCPITS - OFFICE RM AREA	203	43	A	44			2500	10	2	
2	12	1000	KEF-1 (NOTE 1) & (NOTE 3)	203	45	B	46	201	SPARE				
2	12	1000		203	47	C	48						
2	12	333	KEF-2 (NOTE 1) & (NOTE 3)	203	49	A	50						
2	12	500	SF-1 (NOTE 2) & (NOTE 3)	203	51	B	52						
2	12	500		203	53	C	54						
2	12	500		203	55	A	56						
2	12	900	(631)- REFFIZ - MARKET AREA	201	57	B	58						
2	12	1872	(630)- REFR - MARKET AREA	201	59	C	60						
2	12	1500	(639) MICROWAVE OVEN - MARKET AREA	201	61	A	62						
			SPARE	201	63	B	64						
				201	65	C	66						
				201	67	A	68						
				201	69	B	70		SPACE ONLY				
				201	71	C	72						
				201	73	A	74						
				201	75	B	76						
				201	77	C	78						
				201	79	A	80						
				201	81	B	82						
				201	83	C	84						
							</						

[illegible]

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