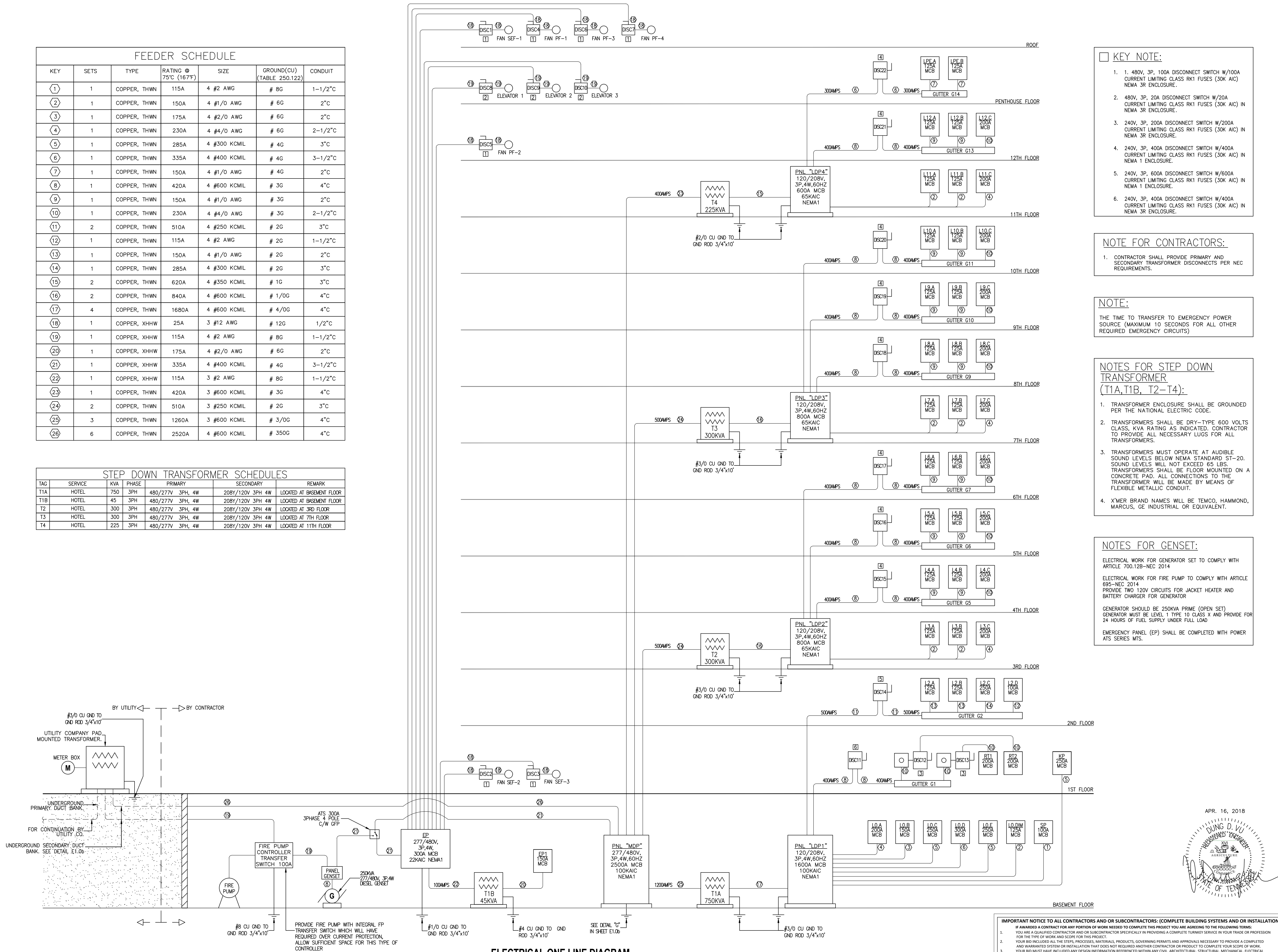


KEY	SETS	TYPE	RATING @ 75°C (167°F)	SIZE	GROUND(CU) (TABLE 250.122)	CONDUIT
1	1	COPPER, THWN	115A	4 #2 AWG	# 8G	1-1/2" C
2	1	COPPER, THWN	150A	4 #1/0 AWG	# 6G	2" C
3	1	COPPER, THWN	175A	4 #2/0 AWG	# 6G	2" C
4	1	COPPER, THWN	230A	4 #4/0 AWG	# 6G	2-1/2" C
5	1	COPPER, THWN	285A	4 #300 KCMIL	# 4G	3" C
6	1	COPPER, THWN	335A	4 #400 KCMIL	# 4G	3-1/2" C
7	1	COPPER, THWN	150A	4 #1/0 AWG	# 4G	2" C
8	1	COPPER, THWN	420A	4 #600 KCMIL	# 3G	4" C
9	1	COPPER, THWN	150A	4 #1/0 AWG	# 3G	2" C
10	1	COPPER, THWN	230A	4 #4/0 AWG	# 3G	2-1/2" C
11	2	COPPER, THWN	510A	4 #250 KCMIL	# 2G	3" C
12	1	COPPER, THWN	115A	4 #2 AWG	# 2G	1-1/2" C
13	1	COPPER, THWN	150A	4 #1/0 AWG	# 2G	2" C
14	1	COPPER, THWN	285A	4 #300 KCMIL	# 2G	3" C
15	2	COPPER, THWN	620A	4 #350 KCMIL	# 1G	3" C
16	2	COPPER, THWN	840A	4 #600 KCMIL	# 1/0G	4" C
17	4	COPPER, THWN	1680A	4 #600 KCMIL	# 4/0G	4" C
18	1	COPPER, XHHW	25A	3 #12 AWG	# 12G	1/2" C
19	1	COPPER, XHHW	115A	4 #2 AWG	# 8G	1-1/2" C
20	1	COPPER, XHHW	175A	4 #2/0 AWG	# 6G	2" C
21	1	COPPER, XHHW	335A	4 #400 KCMIL	# 4G	3-1/2" C
22	1	COPPER, XHHW	115A	3 #2 AWG	# 8G	1-1/2" C
23	1	COPPER, THWN	420A	3 #600 KCMIL	# 3G	4" C
24	2	COPPER, THWN	510A	3 #250 KCMIL	# 2G	3" C
25	3	COPPER, THWN	1260A	3 #600 KCMIL	# 3/0G	4" C
26	6	COPPER, THWN	2520A	4 #600 KCMIL	# 350G	4" C

TAC	SERVICE	KVA	PHASE	PRIMARY	SECONDARY	REMARK
T1A	HOTEL	750	3PH	480/277V 3PH, 4W	208Y/120V 3PH 4W	LOCATED AT BASEMENT FLOOR
T1B	HOTEL	45	3PH	480/277V 3PH, 4W	208Y/120V 3PH 4W	LOCATED AT BASEMENT FLOOR
T2	HOTEL	300	3PH	480/277V 3PH, 4W	208Y/120V 3PH 4W	LOCATED AT 3RD FLOOR
T3	HOTEL	300	3PH	480/277V 3PH, 4W	208Y/120V 3PH 4W	LOCATED AT 7TH FLOOR
T4	HOTEL	225	3PH	480/277V 3PH, 4W	208Y/120V 3PH 4W	LOCATED AT 11TH FLOOR



- KEY NOTE:**
1. 480V, 3P, 100A DISCONNECT SWITCH W/100A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) NEMA 3R ENCLOSURE.
 2. 480V, 3P, 20A DISCONNECT SWITCH W/20A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 3R ENCLOSURE.
 3. 240V, 3P, 200A DISCONNECT SWITCH W/200A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 3R ENCLOSURE.
 4. 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.
 5. 240V, 3P, 600A DISCONNECT SWITCH W/600A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.
 6. 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 3R ENCLOSURE.

- NOTE FOR CONTRACTORS:**
1. CONTRACTOR SHALL PROVIDE PRIMARY AND SECONDARY TRANSFORMER DISCONNECTS PER NEC REQUIREMENTS.

NOTE:

THE TIME TO TRANSFER TO EMERGENCY POWER SOURCE (MAXIMUM 10 SECONDS FOR ALL OTHER REQUIRED EMERGENCY CIRCUITS)

- NOTES FOR STEP DOWN TRANSFORMER (T1A, T1B, T2-T4):**
1. TRANSFORMER ENCLOSURE SHALL BE GROUNDED PER THE NATIONAL ELECTRIC CODE.
 2. TRANSFORMERS SHALL BE DRY-TYPE 600 VOLTS CLASS, KVA RATING AS INDICATED. CONTRACTOR TO PROVIDE ALL NECESSARY LUGS FOR ALL TRANSFORMERS.
 3. TRANSFORMERS MUST OPERATE AT AUDIBLE SOUND LEVELS BELOW NEMA STANDARD ST-20. SOUND LEVELS WILL NOT EXCEED 65 LBS. TRANSFORMERS SHALL BE FLOOR MOUNTED ON A CONCRETE PAD. ALL CONNECTIONS TO THE TRANSFORMER WILL BE MADE BY MEANS OF FLEXIBLE METALLIC CONDUIT.
 4. X'MER BRAND NAMES WILL BE TEMCO, HAMMOND, MARCUS, GE INDUSTRIAL OR EQUIVALENT.

- NOTES FOR GENSET:**
- ELECTRICAL WORK FOR GENERATOR SET TO COMPLY WITH ARTICLE 700.12B-NEC 2014
- ELECTRICAL WORK FOR FIRE PUMP TO COMPLY WITH ARTICLE 695-NEC 2014
- PROVIDE TWO 120V CIRCUITS FOR JACKET HEATER AND BATTERY CHARGER FOR GENERATOR
- GENERATOR SHOULD BE 250KVA PRIME (OPEN SET) GENERATOR MUST BE LEVEL 1 TYPE 10 CLASS X AND PROVIDE FOR 24 HOURS OF FUEL SUPPLY UNDER FULL LOAD
- EMERGENCY PANEL (EP) SHALL BE COMPLETED WITH POWER ATS SERIES MTS.

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
2	ISSUED TO FRANCHISE	06/09/17	PL
3	ISSUED FOR BID (ID ONLY)	07/21/17	PL
4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
9	ISSUED FOR PERMIT	04/16/18	PL



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ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

ELEC. ONE LINE
DIAGRAM

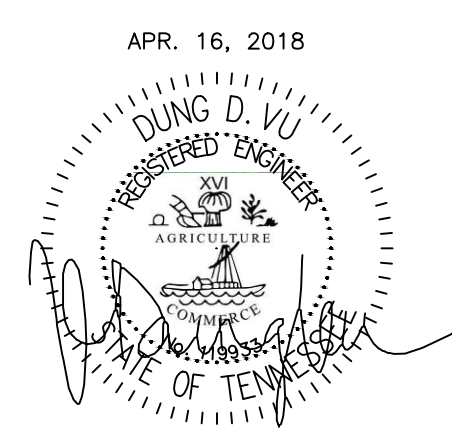
SHEET E1.0a

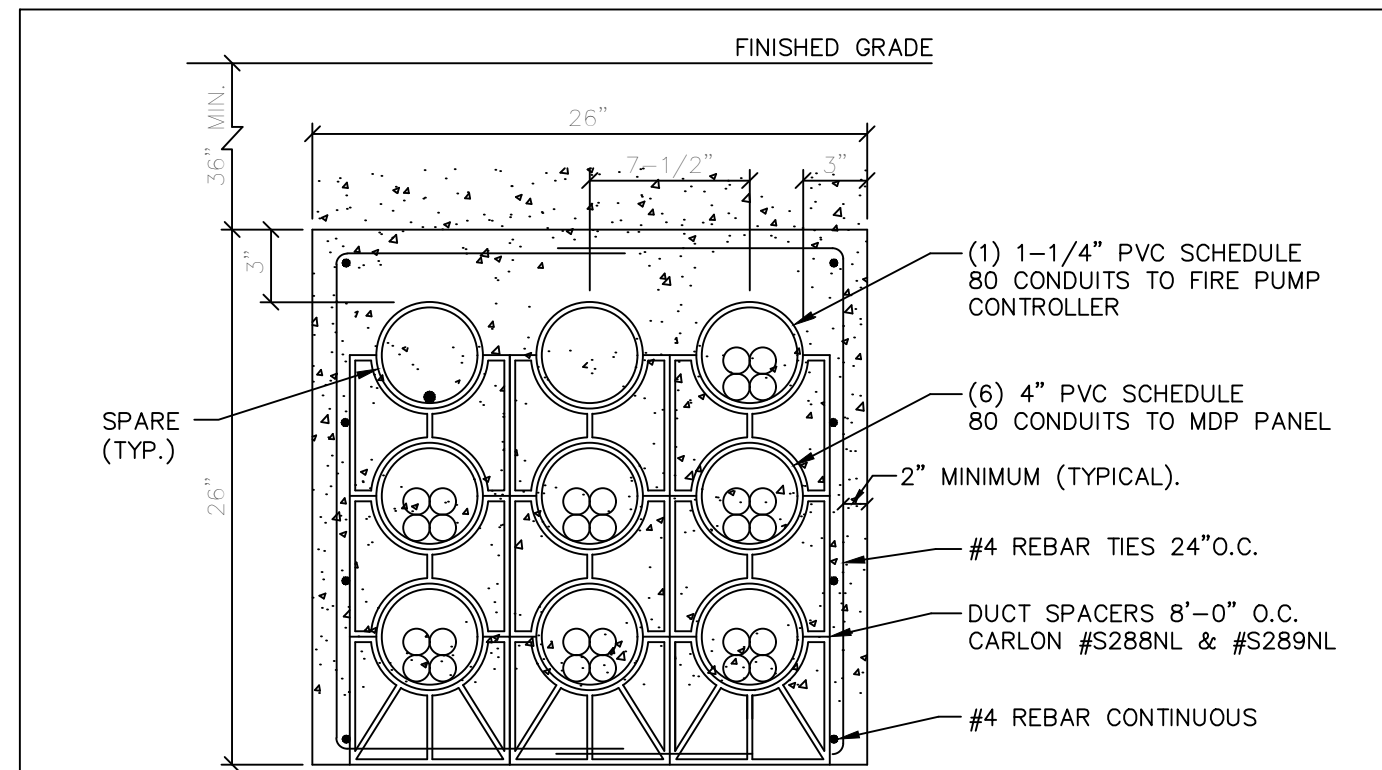
ELECTRICAL ONE LINE DIAGRAM
SCALE: NTS

IMPORTANT NOTICE TO ALL CONTRACTORS AND/OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND/OR INSTALLATIONS)

IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:

1. YOU ARE A QUALIFIED CONTRACTOR AND/OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
3. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CAUSE, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMENSIONS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCORRECT WORK WILL BE BELLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNER'S DISCRETION.





DUCT BANK NOTES:

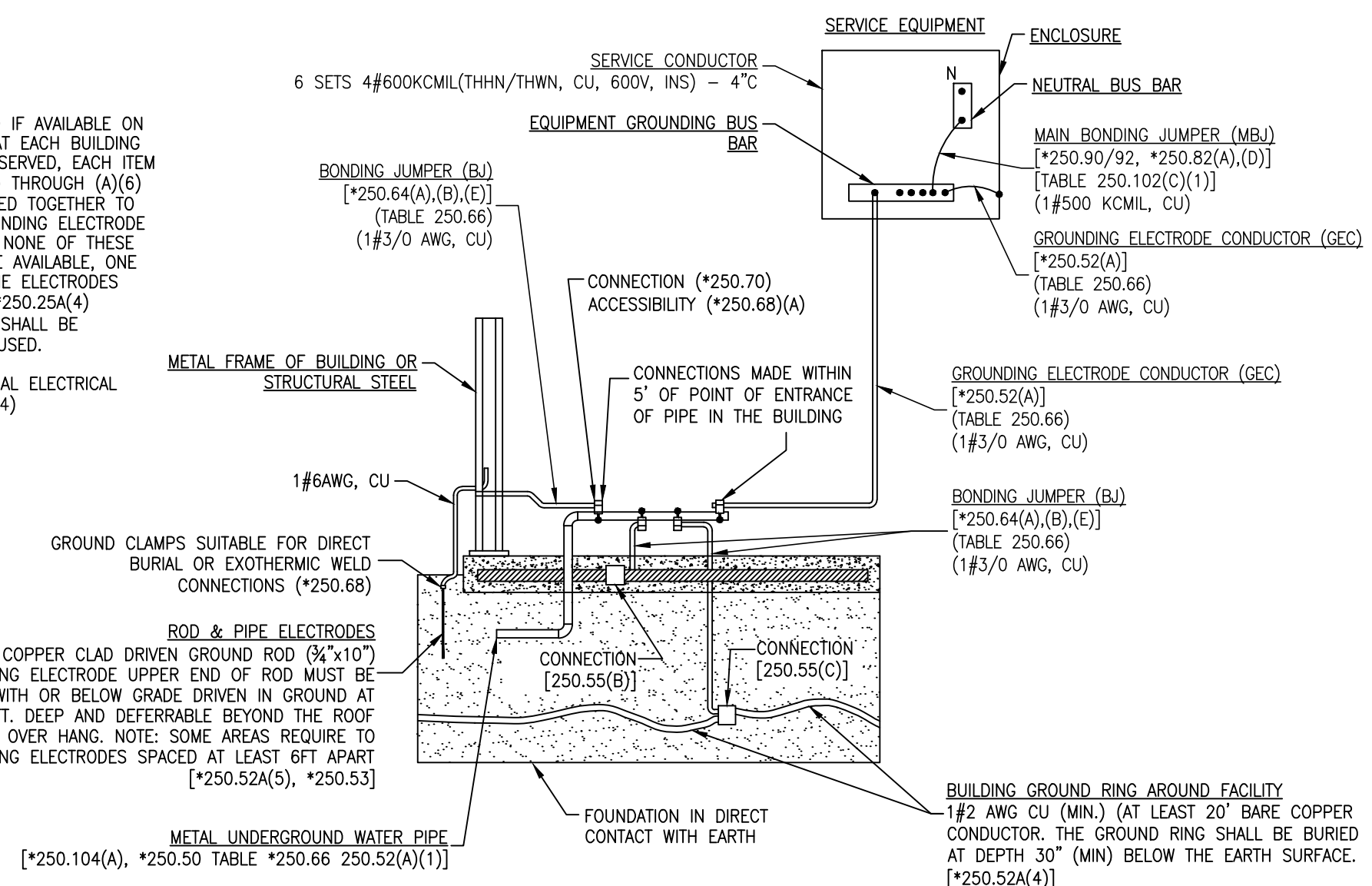
1. CONDUITS MUST BE ANCHORED IN PLACE AT 8' INTERVALS BY SUITABLE MEANS TO KEEP CONDUITS FROM FLOATING IN CONCRETE AFTER POURING.
2. ALL MATERIALS REQUIRED FOR CONCRETE ENCASEMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. INSTALL MARKER TAPE 1'-0" FROM THE TOP OF THE DUCT BANK FOR THE ENTIRE LENGTH OF THE BANK.
4. WHERE DUCT BANK RUNS UNDER SLAB, DEPTH SHALL BE MEASURED FROM UNDER SLAB.
5. DUCT BANK RISERS ELBOWS FROM DUCT BANK TO ABOVE GROUND SHOULD BE PVC COATED RGS.

SECONDARY DUCT BANK SECTION

SCALE: NTS

NOTES:

1. AS PER *250.20 IF AVAILABLE ON THE PREMISES AT EACH BUILDING OR STRUCTURE SERVED, EACH ITEM IN *250.50(A)(1) THROUGH (A)(6) SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM. WHERE NONE OF THESE ELECTRODES ARE AVAILABLE, ONE OR MORE OF THE ELECTRODES SPECIFIED IN [(*250.25A(4) THROUGH A(7)] SHALL BE INSTALLED AND USED.
2. * MEANS NATIONAL ELECTRICAL CODE (NEC-2014)



DETAIL "G" OF GROUNDING ELECTRODE SYSTEM (*250.50) & GROUNDING ELECTRODES (*250.52) AS SERVICE

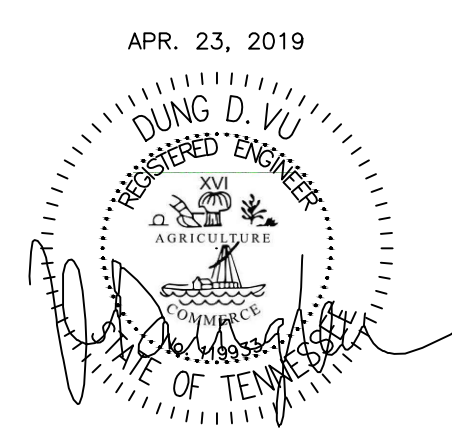
SCALE: NTS

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APR. 23, 2019

**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

**ELEC. ONE LINE
DIAGRAM**

SHEET **E1.0b**

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2. YOUR BID MUST INCLUDE ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE, FIRE CAUSE, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMPLES, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 208/120V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T1A):					
LIGHTING LOAD:					
1. A. EXTERIOR LIGHTS, SIGNS					
B. LAUNDRY					
C. CORRIDORS, STAIRS					
D. MECH. STORAGE					
TOTAL	50	140	140	140	140
2. A. 25% OF 1	12.50	35	35	35	35
B. GUEST ROOMS UNIT LOADS: (Table 220.12 & 42)					
1. 1,615 SF x 2W = 3,230W	3.23	9	9	9	9
2. VANITY RCPTS @ 180VA X 4 UNITS	0.72	2	2	2	2
3. A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @ 2.1KW x 4 UNITS	8.4	23	23	23	23
4. REFRIG/MCO WAVE UNIT @ 1.00KW	4	11	11	11	11
C. HOUSE LOADS:					
1. DRYER 3@5.6KW	16.8	47	47	47	47
2. WASHER 3@3KW	9	25	25	25	25
3. GENERAL RCPTS 316@180 VA FIRST 10,000W @ 100% REMAINING 46880 W @ 50%	23.44	65	65	65	65
4. KITCHEN EQUIP: 66.57@0.65 KW	43.27	120	120	120	120
5. MISCELLANEOUS (FIRE ALARM, DOOR MOTOR, TEL BOARD, ELEVATOR CONTROLLER ETC.)	18	50	50	50	50
D. MECHANICAL LOADS:					
1. MECHANICAL FANS	4	11	11	11	11
2. AHUS (HEATING) & EDH	196.4	545	545	545	545
3. PUMPS	44.5	124	124	124	124
4. 25% LARGEST MOTOR (BP-1)	3.75	10	10	10	10
E. LOAD FOR RETAIL 1:					
A. RECEPTACLES : 3VA/SF X 1440 SF	4.32	12	12	12	12
B. LIGHTING: 3VA/SF X 1440 SF	4.32	12	12	12	12
C. WATER HEATER : 3.6VA/SF X 1440 SF	5.04	14	14	14	14
D. SERVING EQUIPMENTS : 1VA/SF X 1440 SF	1.44	4	4	4	4
E. HVAC : 20VA/SF X 1440 SF	28.80	80	80	80	80
SUB TOTAL FOR RETAIL 1:	43.92	122	122	122	122
F. LOAD FOR RETAIL 2:					
A. RECEPTACLES : 3VA/SF X 2000 SF	6.00	17	17	17	17
B. LIGHTING: 3VA/SF X 2000 SF	6.00	17	17	17	17
C. WATER HEATER : 3.6VA/SF X 2000 SF	7.00	19	19	19	19
D. SERVING EQUIPMENTS : 1VA/SF X 2000 SF	2.00	6	6	6	6
E. HVAC : 20VA/SF X 2000 SF	40.00	111	111	111	111
SUB TOTAL FOR RETAIL 2:	61.00	169	169	169	169
G. TOTAL DEMAND LOAD:					
	553.4	1,536	1,536	1,536	775
H. 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
I. AMPACITY		1,680	1,680	1,680	1,680
J. SERVICE CAPACITY(LDPA) (A)		1,600	1,600	1,600	1,600
K. USE 750 KVA STEPDOWN TRANSFORMER FROM 480V/277V/3P, 4W TO 208V/120V/3P/4W		2,082	2,082	2,082	2,082

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER T1A

SCALE: NTS

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 208/120V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T2):					
LIGHTING LOAD:					
1. A. CORRIDORS, STAIRS					
B. MECH. STORAGE					
TOTAL	12	33	33	33	33
2. A. 25% OF 1	2.97	8	8	8	8
B. GUEST ROOMS UNIT LOADS: (Table 220.12 & 42)					
1. 25,235 SF x 2W = 450,470W - FIRST 20,000W @ 50%	10	28	28	28	28
REMAINING 30,470W @ 40%	12.19	34	34	34	34
2. VANITY RCPTS @ 180VA X 60 UNITS	10.8	30	30	30	30
3. A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @ 2.1KW x 60 UNITS	126	350	350	350	350
4. REFRIG/MCO WAVE UNIT @ 1.00KW	60	167	167	167	167
C. HOUSE LOADS:					
1. DRYER 1@1.8KW	1.8	5	5	5	5
2. WASHER 1@1.8KW	1.8	5	5	5	5
3. VENDING/ICE MACHINES: 8@1.5kw	12	33	33	33	33
4. GENERAL RCPTS 172@180 VA FIRST 10,000W @ 100% REMAINING 20960 W @ 50%	10.48	29	29	29	29
D. MECHANICAL LOADS:					
1. MECHANICAL FANS	2.0	6	6	6	6
2. CIRCULATION PUMP	3.0	8	8	8	8
3. 25% LARGEST MOTOR (C.P)	0.4	1	1	1	1
E. TOTAL DEMAND LOAD:					
	275.33	769	769	754	403
F. WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING		2-600KCMIL CU, THWN	2-600KCMIL CU, THWN	2-600KCMIL CU, THWN	2-600KCMIL CU, THWN
G. AMPACITY		840	840	840	840
H. SERVICE CAPACITY(LDPA) (A)		800	800	800	800
I. USE 300 KVA STEPDOWN TRANSFORMER FROM 480V/277V/3P, 4W TO 208V/120V/3P/4W		833	833	833	833

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER T2

SCALE: NTS

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 120/208V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T3):					
LIGHTING LOAD:					
1. A. CORRIDORS, STAIRS					
B. MECH. STORAGE					
TOTAL	12	33	33	33	33
2. A. 25% OF 1	2.97	8	8	8	8
B. GUEST ROOMS UNIT LOADS: (Table 220.12 & 42)					
1. 25,235 SF x 2W = 450,470W - FIRST 20,000W @ 50%	10	28	28	28	28
REMAINING 30,470W @ 40%	12.19	34	34	34	34
2. VANITY RCPTS @ 180VA X 60 UNITS	10.8	30	30	30	30
3. A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @ 2.1KW x 60 UNITS	126	350	350	350	350
4. REFRIG/MCO WAVE UNIT @ 1.00KW	60	167	167	167	167
C. HOUSE LOADS:					
1. VENDING/ICE MACHINES: 8@1.5kw	12	33	33	33	33
2. GENERAL RCPTS 124@180 VA FIRST 10,000W @ 100% REMAINING 12320 W @ 50%	6.16	17	17	17	17
D. MECHANICAL LOADS:					
1. MECHANICAL FANS	2.0	6	6	6	6
2. CIRCULATION PUMP	1.5	4	4	4	4
4. 25% LARGEST MOTOR (C.P)	0.4	1	1	1	1
E. TOTAL DEMAND LOAD:					
	265.91	738	738	738	378
F. WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING		2-600KCMIL CU, THWN	2-600KCMIL CU, THWN	2-600KCMIL CU, THWN	2-600KCMIL CU, THWN
G. AMPACITY		840	840	840	840
H. SERVICE CAPACITY(LDPA) (A)		800	800	800	800
I. USE 300 KVA STEPDOWN TRANSFORMER FROM 480V/277V/3P, 4W TO 208V/120V/3P/4W		833	833	833	833

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER T3

SCALE: NTS

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 120/208V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T4):					
LIGHTING LOAD:					
1. A. SIGNS					
B. CORRIDORS, STAIRS					
C. MECH. STORAGE					
TOTAL	15	40	40	40	40
2. A. 25% OF 1	3.64	10	10	10	10
B. GUEST ROOMS UNIT LOADS: (Table 220.12 & 42)					
1. 15,000 SF x 2W = 30,000W - FIRST 20,000W @ 50%	10	28	28	28	28
REMAINING 10,000W @ 40%	4	11	11	11	11
2. VANITY RCPTS @ 180VA X 34 UNITS	6.12	17	17	17	17
3. A/C, COOLING NON-COINCIDENT LOAD HEAT GREATER @ 2.1KW X 30 UNITS	63	175	175	175	175
4. REFRIG/MCO WAVE UNIT 34 @ 1.00KW	34	94	94	94	94
C. HOUSE LOADS:					
1. SODA/ICE MACHINES: 4@1.5kw	6	17	17	17	17
2. GENERAL RCPTS 103@180 VA FIRST 10,000W @ 100% REMAINING 8540 W @ 50%	4.27	12	12	12	12
D. MECHANICAL LOADS:					
1. MECHANICAL FANS	1.0	3	3	3	3
2. AHUS (HEATING)	2.5	7	7	7	7
3. CIRCULATION PUMP	1.5	4	4	4	4
4. 25% LARGEST MOTOR (ACCU-P.1)	1.15	3	3	3	3
E. TOTAL DEMAND LOAD:					
	161.74	449	449	449	257
F. WIRE: (TABLE 310.16) @ 75°C (167° F) RATING		2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN	2-350KCMIL CU, THWN
G. AMPACITY		620	620	620	620
H. SERVICE CAPACITY(LDPA) (A)		600	600	600	600
I. USE 225 KVA STEPDOWN TRANSFORMER FROM 480V/277V/3P, 4W TO 208V/120V/3P/4W		625	625	625	625

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER T4

SCALE: NTS

FIRE PUMP FEEDER CALCULATION (NEC 2014 ARTICLE 430)					
LOAD	HP	FULL LOAD AMPS @ 480, 3P, 4W			
		PHASE "A"	PHASE "B"	PHASE "C"	NEUTRAL
A. FIRE PUMP	40	52	52	52	52
B. JOCKEY PUMP	1.5	3	3	3	3
C. TOTAL DEMAND LOAD: (52x1.25 + 3)					
		68	68	68	68
D. WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING					
		1-2 AWG CU, XHHW	1-2 AWG CU, XHHW	1-2 AWG CU, XHHW	1-2 AWG CU, XHHW
E. AMPACITY					
		115	115	115	115
NOTES: 1) FIRE PUMP IS ON SEPARATE SERVICE (SEE ONE-LINE DIAGRAM) 2) MAXIMUM LOCKED-ROTOR CURRENT OF FIRE PUMP: 290 A 3) MAXIMUM LOCKED-ROTOR CURRENT OF JOCKEY PUMP: 20A (TABLE 430-25(B) NEC 2014) 4) ELECTRICAL CONTRACTOR SHALL VERIFY HPs, CABLE SIZES, BREAKER LUGS, DS, ETC OF FIRE PUMPS WITH FIRE CONTRACTOR PRIOR TO INSTALLATION. 5) CONDUCTORS SUPPLYING ONLY A FIRE PUMP MOTOR SHALL COMPLY WITH THE VOLTAGE DROP REQUIREMENTS IN 695.7.					

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 480/277V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T1A):					
LIGHTING LOAD:					
1. FANS	39	47	47	47	47
2. MAU	191.13	230	230	230	230
3. LIFT MOTORS	90	108	108	108	108
4. PUMPS	41.5	50	50	50	50
5. 25% LARGEST MOTOR (MAU-1)	47.78	57	57	57	57
B. USE 750 KVA STEPDOWN TRANSFORMER (T1A) FROM 480V/277V/3P, 3W TO 208V/120V/3P/4W					
	566.82	682	682	682	682
C. USE 45 KVA STEPDOWN TRANSFORMER (T1B) FROM 480V/277V/3P, 3W TO 208V/120V/3P/4W					
	37.33	45	45	45	45
D. USE 300 KVA STEPDOWN TRANSFORMER (T2) FROM 480V/277V/3P, 3W TO 208V/120V/3P/4W					
	275.33	331	331	331	331
E. USE 300 KVA STEPDOWN TRANSFORMER (T3) FROM 480V/277V/3P, 3W TO 208V/120V/3P/4W					
	265.91	320	320	320	320
F. USE 225 KVA STEPDOWN TRANSFORMER (T4) FROM 480V/277V/3P, 3W TO 208V/120V/3P/4W					
	161.74	195	195	195	195
G. TOTAL DEMAND LOAD:					
	1716.52	2,065	2,065	2,065	
H. WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING					
		6-600KCMIL CU, THWN	6-600KCMIL CU, THWN	6-600KCMIL CU, THWN	6-600KCMIL CU, THWN
I. AMPACITY					
		2,520	2,520	2,520	2,520
J. SERVICE CAPACITY(MDP) (A)					
		2,500	2,500	2,500	2,500

LOAD ANALYSIS FOR SERVICES TRANSFORMER

SCALE: NTS

ELECTRICAL LOAD ANALYSIS (NEC 2014 ARTICLE 220)					
LOAD	KW	AMPS @ 208/120V, 3P, 4W			NEUTRAL
		PHASE "A"	PHASE "B"	PHASE "C"	
LOAD FOR STEP DOWN TRANSFORMER (T1B):					
HOUSE LOADS:					
1. LIGHTING LOAD @ 125%	2.1	6	6	6	6
2. GENERAL RCPTS 40@180VA	7.2	20	20	20	20
3. MISCELLANEOUS (FIRE ALARM, DOOR MOTOR, TEL BOARD, ELEVATOR CONTROLLER ETC.)	18	50	50	50	50
B. MECHANICAL LOADS:					
1. ELECTRIC UNIT HEATER	10	28	28	28	28
C. TOTAL DEMAND LOAD:					
	37.33	104	104	104	76
E. WIRE: (TABLE 310.15(B)(16) @ 75°C (167°F) RATING					
		1-2/0 AWG CU, XHHW	1-2/0 AWG CU, XHHW	1-2/0 AWG CU, XHHW	1-2/0 AWG CU, XHHW
F. AMPACITY					
		175	175	175	175
G. USE 45 KVA STEPDOWN TRANSFORMER FROM 480V/277V/3P, 4W TO 208V/120V/3P/4W					
	125	125	125	125	125

LOAD ANALYSIS FOR STEP DOWN TRANSFORMER T1B

SCALE: NTS

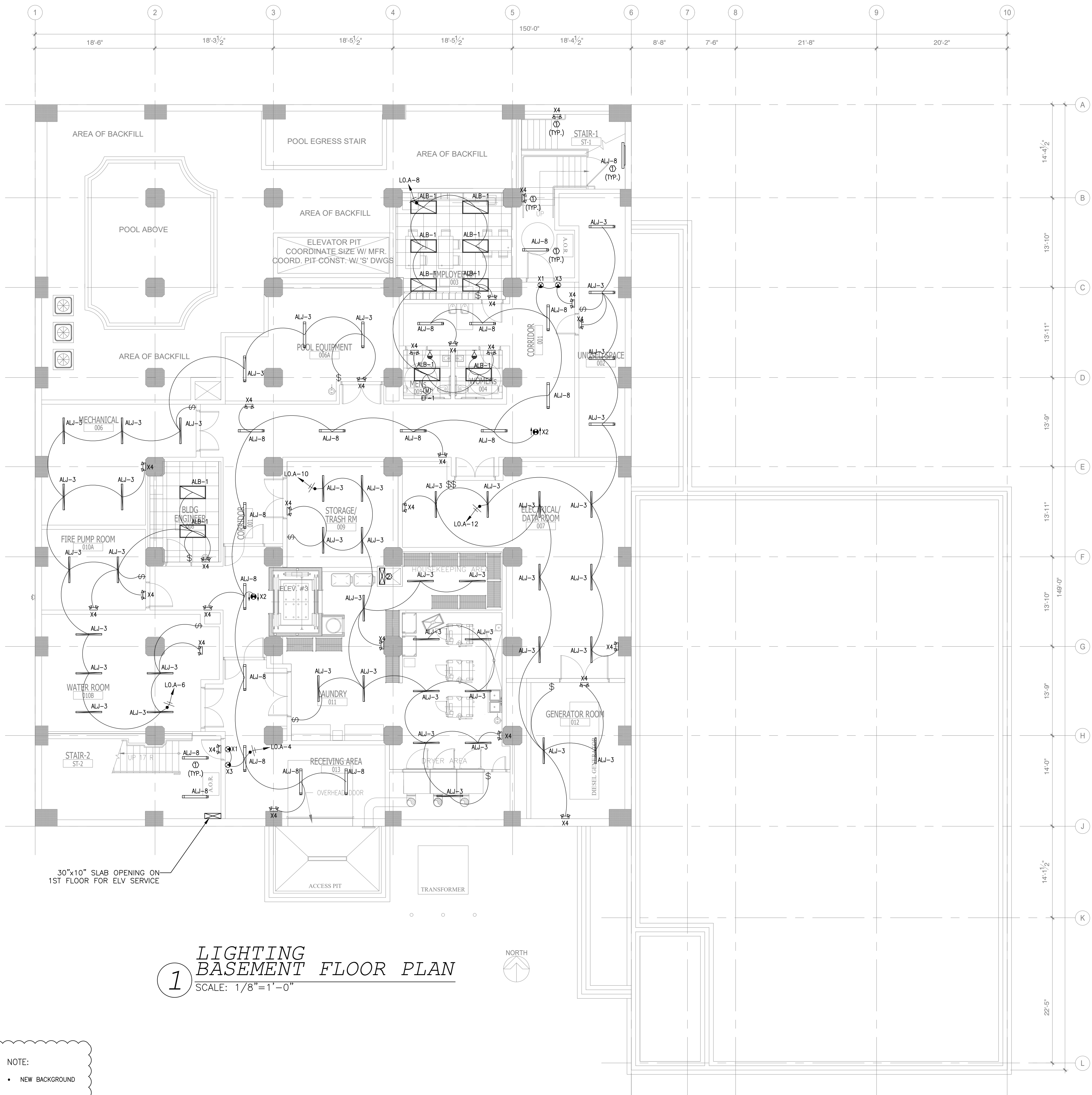
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8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

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.

KEYED NOTES:

- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2" C. CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- 30"x10" SLAB OPENING ON 1ST FLOOR FOR POWER SERVICE



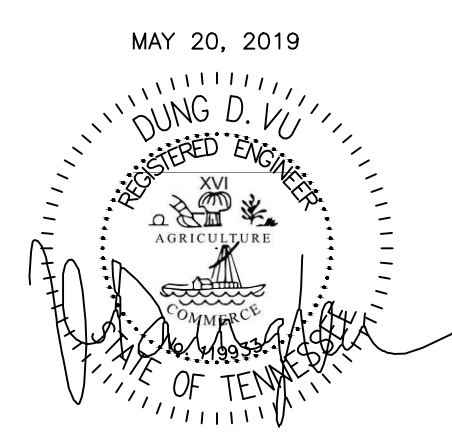
1 LIGHTING BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE:
• NEW BACKGROUND



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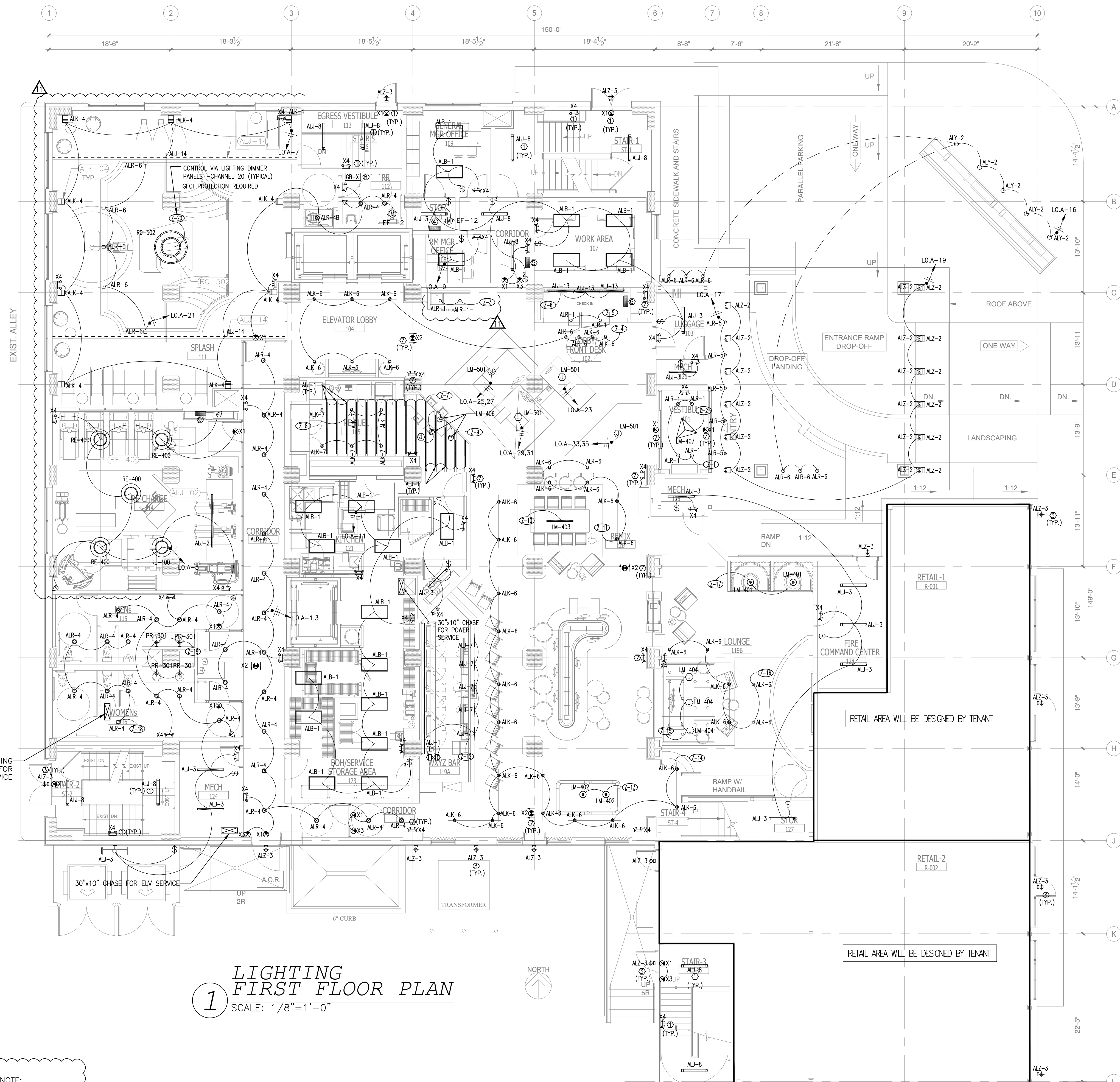
ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

LIGHTING
BASEMENT FLOOR
PLAN
SHEET E2.0

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1. YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DISMISTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

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

NOTE:
• NEW BACKGROUND

- 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.
 - 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.

- KEYED NOTES:**
- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDED A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - E.C FURNISH SPARE CIRCUIT LANDED INTO 4x4 JUNCTION BOX AND RUN HOMERUN TO LIGHTING DIMMING PANEL THROUGH/ROOM
 - CONNECT ALL TYPE "ALJ-3" LIGHTS AT MAIN LOBBY/ VESTIBULE/ EXISTING SIDE WALK TO L.O.A-18, USING 2-2#12, 1/2". CONTRACTOR WILL PROVIDED A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - LIGHTING SUB-PANEL & DIMMING (CENTRAL DIMMING CONTROL PANEL)
 - PROPOSED LOCATION FOR TOUCH SCREEN MASTER STATION
 - PROPOSED LOCATION FOR REMOTE PRE-SET SCENE CONTROL
 - CONNECT ALL TYPE "X1" & "X2", "X4" LIGHTS AT MAIN LOBBY/ VESTIBULE/ EXISTING SIDE WALK TO L.O.A-2, USING 2-2#12, 1/2". CONTRACTOR WILL PROVIDED A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - REMOTE TRANSFORMER, E.C TO USE HEAVIER GAUGE WIRE IF NEEDED TO AVOID VOLTAGE DROP. E.C TO MOUNT TRANSFORMER ABOVE ACCESS DOOR IN BATHROOM CEILING. ACCESS DOOR TO BE FURNISHED BY GENERAL CONTRACTOR.
 - 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.
 - FIVE ROWS OFF LED LIGHT TYPE ALJ-01, MOUNTED BEHIND ACRYLIC PANELS. FIXTURE TO HAVE LENS COVER. REFER TO A-401 SHEET FOR MORE DETAILS. VERIFY WITH OWNER/ I.D PRIOR TO INSTALLATION.
 - FIXTURE MOUNTING VARIES. ADJOINING ENDS OF FIXTURES TO BE STAGGERED TO AVOID CONTINUOUS SOCKET SHADOW ACROSS BACKLIT IMAGE.

- NOTE FOR LIGHTING DIMMING SYSTEM:**
- CONTRACTOR TO PROVIDE A 6 SCENE DIMMING SYSTEM FOR THE LIGHTING DIMMING CONTROL.
- SCENE DESCRIPTIONS:**
- # 1: SUNNY DAY
 - # 2: CLOUDY DAY
 - # 3: NIGHT
 - # 4: SPECIAL
 - # 5: CLEAN UP
 - # 6: ALL OFF

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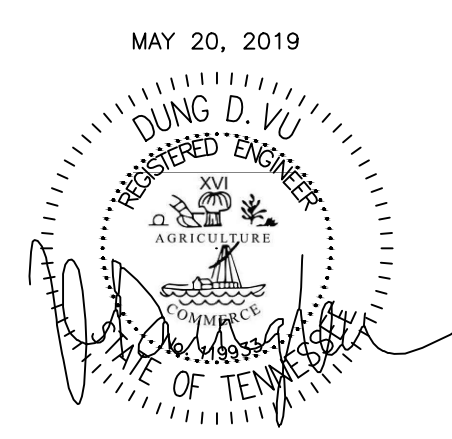
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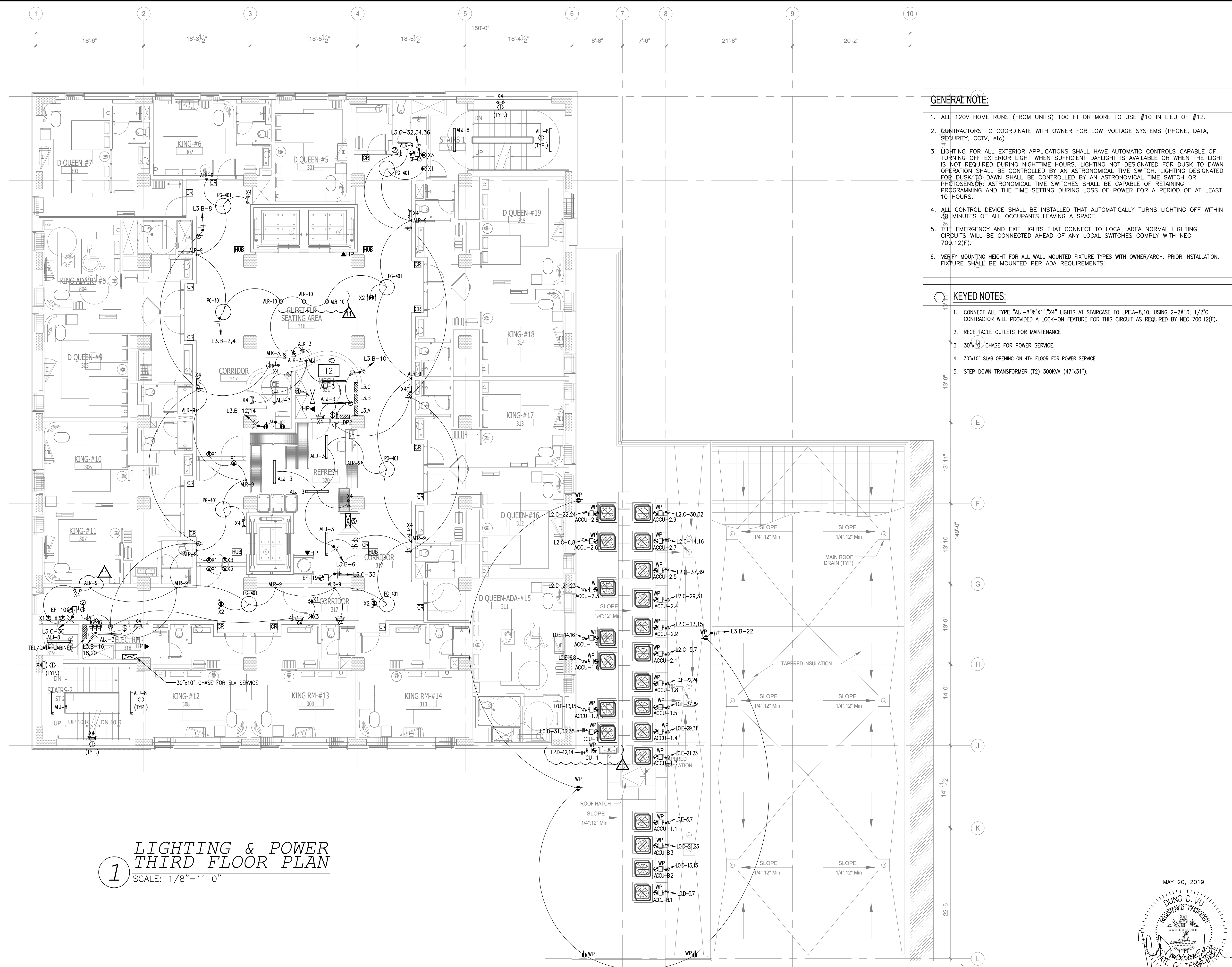
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

LIGHTING
FIRST FLOOR PLAN

SHEET E2.1



MAY 20, 2019



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

NOTE:
• NEW BACKGROUND

- GENERAL NOTE:**
- ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
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 - ALL CONTROL DEVICE SHALL BE INSTALLED THAT AUTOMATICALLY TURNS LIGHTING OFF WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING A SPACE.
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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.

- KEYED NOTES:**
- CONNECT ALL TYPE "ALJ-B" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-B,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - RECEPTACLE OUTLETS FOR MAINTENANCE
 - 30"x10" CHASE FOR POWER SERVICE.
 - 30"x10" SLAB OPENING ON 4TH FLOOR FOR POWER SERVICE.
 - STEP DOWN TRANSFORMER (T2) 300KVA (47"x31").

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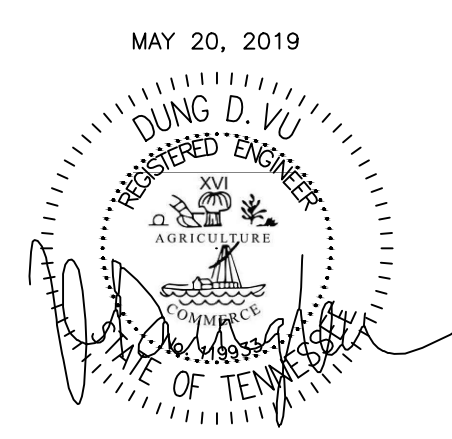
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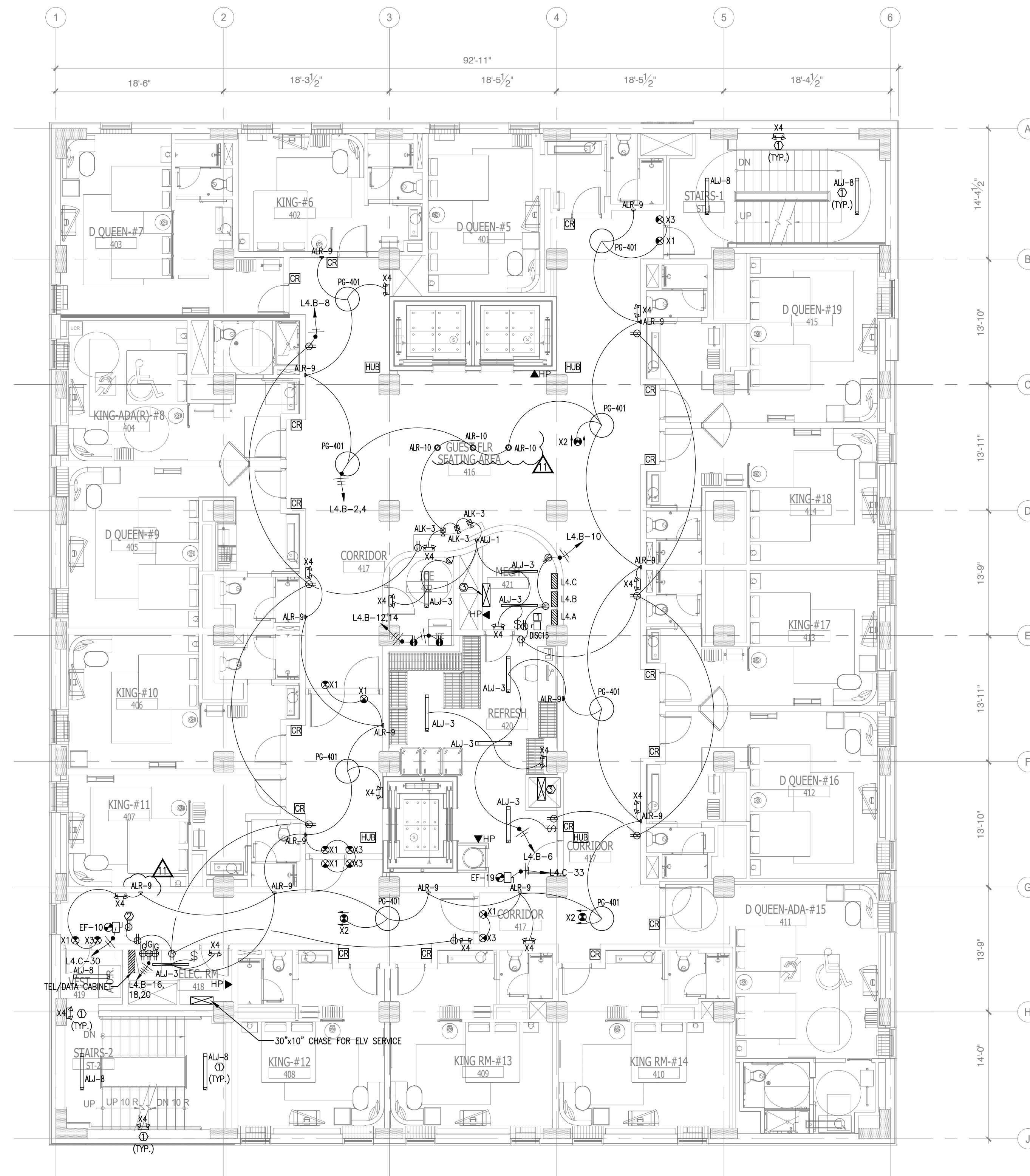
LIGHTING & POWER
THIRD FLOOR PLAN

SHEET E2.3

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4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CALLS, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMENSIONED, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



MAY 20, 2019



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

NOTE:
• NEW BACKGROUND

GENERAL NOTE:

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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.

KEYED NOTES:

- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- RECEPTACLE OUTLETS FOR MAINTENANCE.
- 30"x10" CHASE FOR POWER SERVICE.

DISCONNECT SWITCH SCHEDULES:

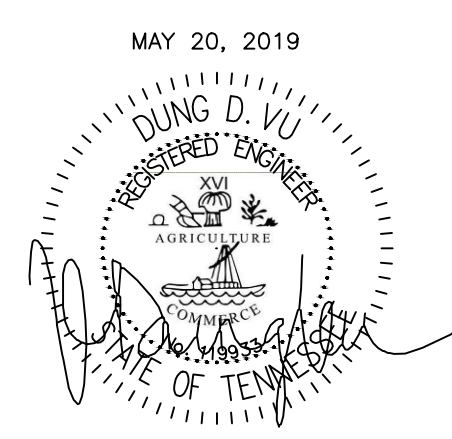
- 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.

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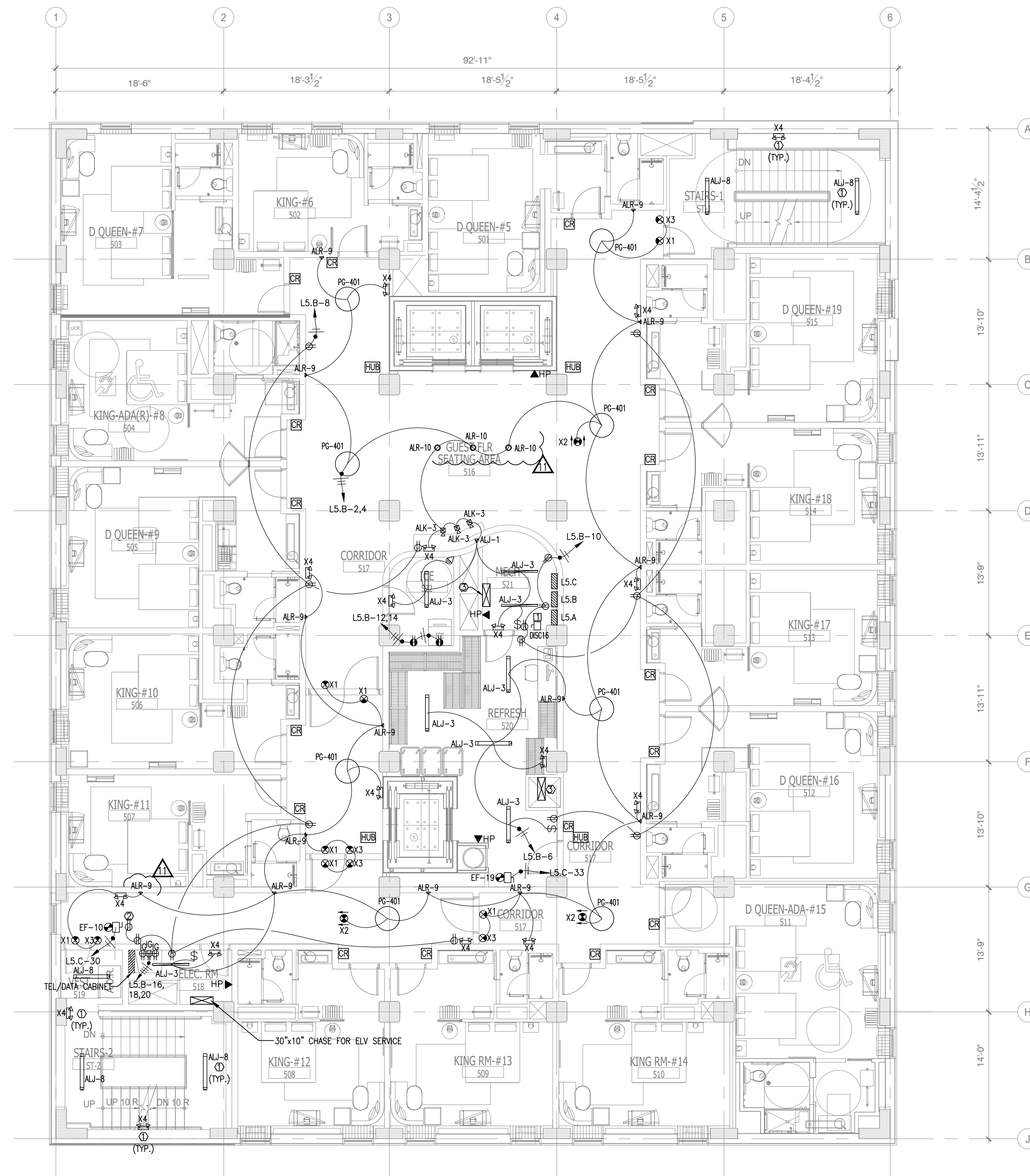
MAY 20, 2019
**ALOFT
MEMPHIS
DOWNTOWN**
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**LIGHTING & POWER
FOURTH FLOOR PLAN**

SHEET **E2.4**

IMPORTANT NOTICE TO ALL CONTRACTORS AND/OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND/OR INSTALLATIONS)
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2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS, ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DISBURSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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

NOTE:
• NEW BACKGROUND

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.
- 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.

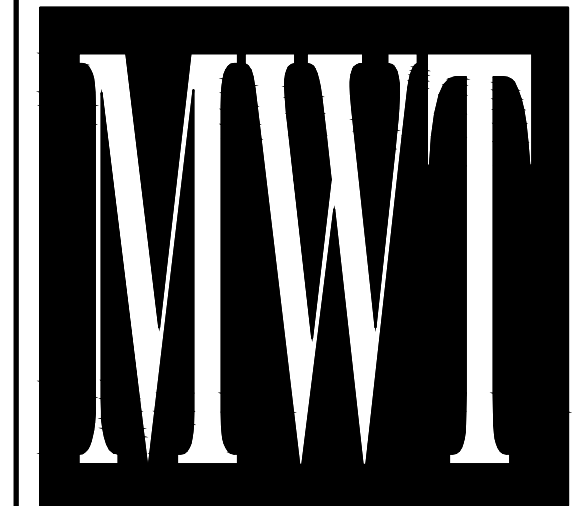
KEYED NOTES:

- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- RECEPTACLE OUTLETS FOR MAINTENANCE.
- 30"x10" CHASE FOR POWER SERVICE.

DISCONNECT SWITCH SCHEDULES:

- 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.

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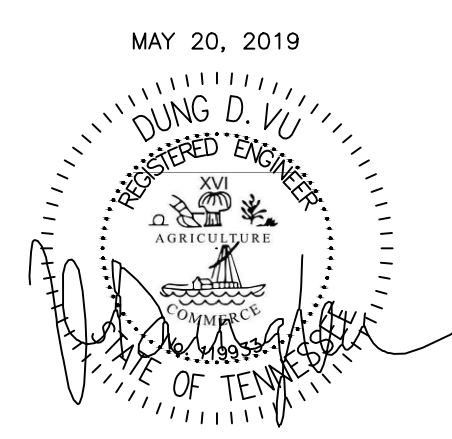
**ALOFT
MEMPHIS
DOWNTOWN**

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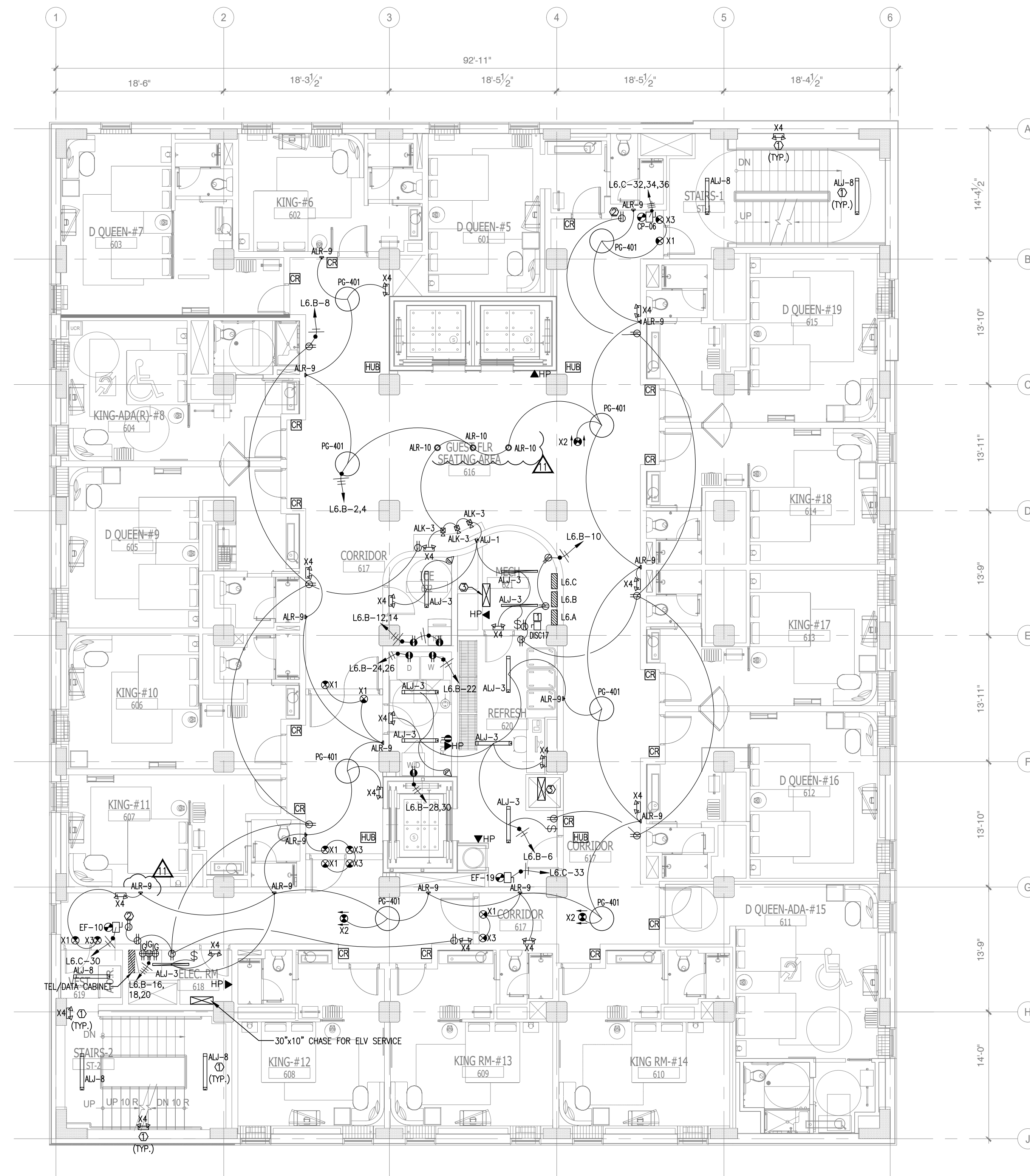
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**LIGHTING & POWER
FIFTH FLOOR PLAN**

SHEET **E2.5**



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

NOTE:
• NEW BACKGROUND

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- 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.

KEYED NOTES:

- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
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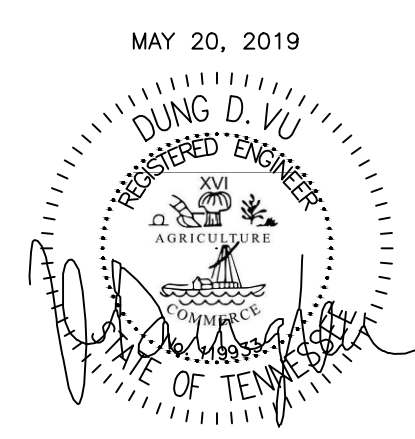
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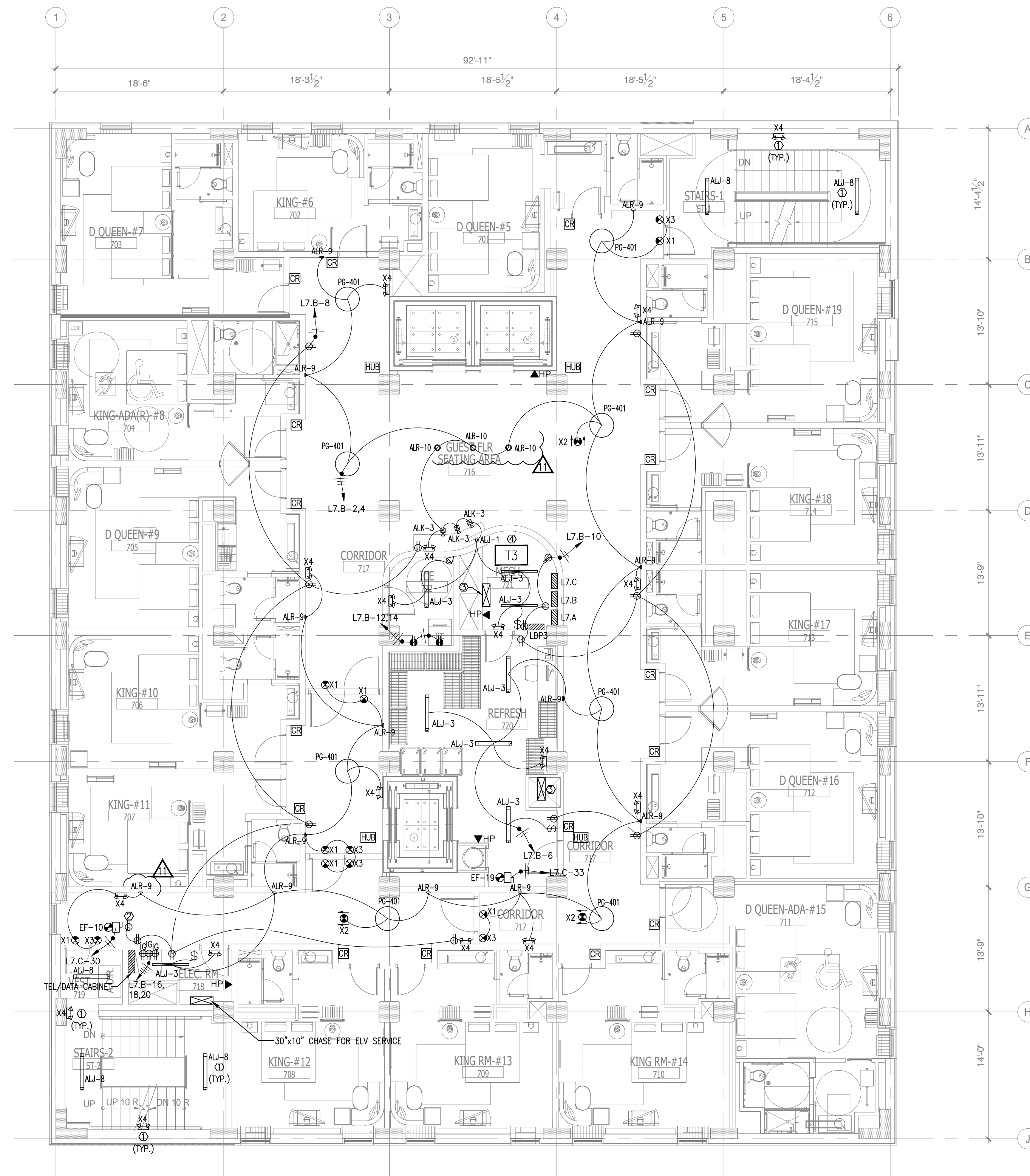
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**LIGHTING & POWER
SIXTH FLOOR PLAN**

SHEET **E2.6**



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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DISBURSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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

NOTE:
• NEW BACKGROUND

GENERAL NOTE:

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. 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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5. 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).
6. VERIFY MOUNTING HEIGHT FOR ALL WALL MOUNTED FIXTURE TYPES WITH OWNER/ARCH. PRIOR INSTALLATION. FIXTURE SHALL BE MOUNTED PER ADA REQUIREMENTS.

KEYED NOTES:

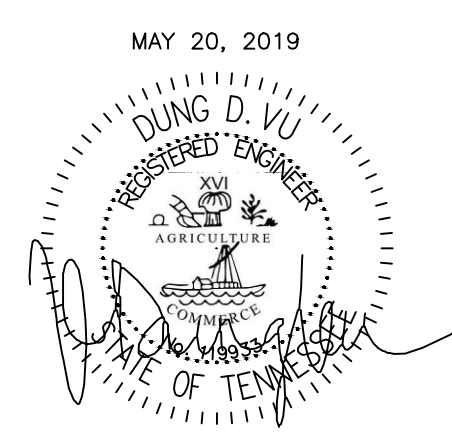
1. CONNECT ALL TYPE "ALJ-B" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-B-10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
2. RECEPTACLE OUTLETS FOR MAINTENANCE.
3. 30"x10" CHASE FOR POWER SERVICE.
4. STEP DOWN TRANSFORMER (T3) 300KVA (47'x31')

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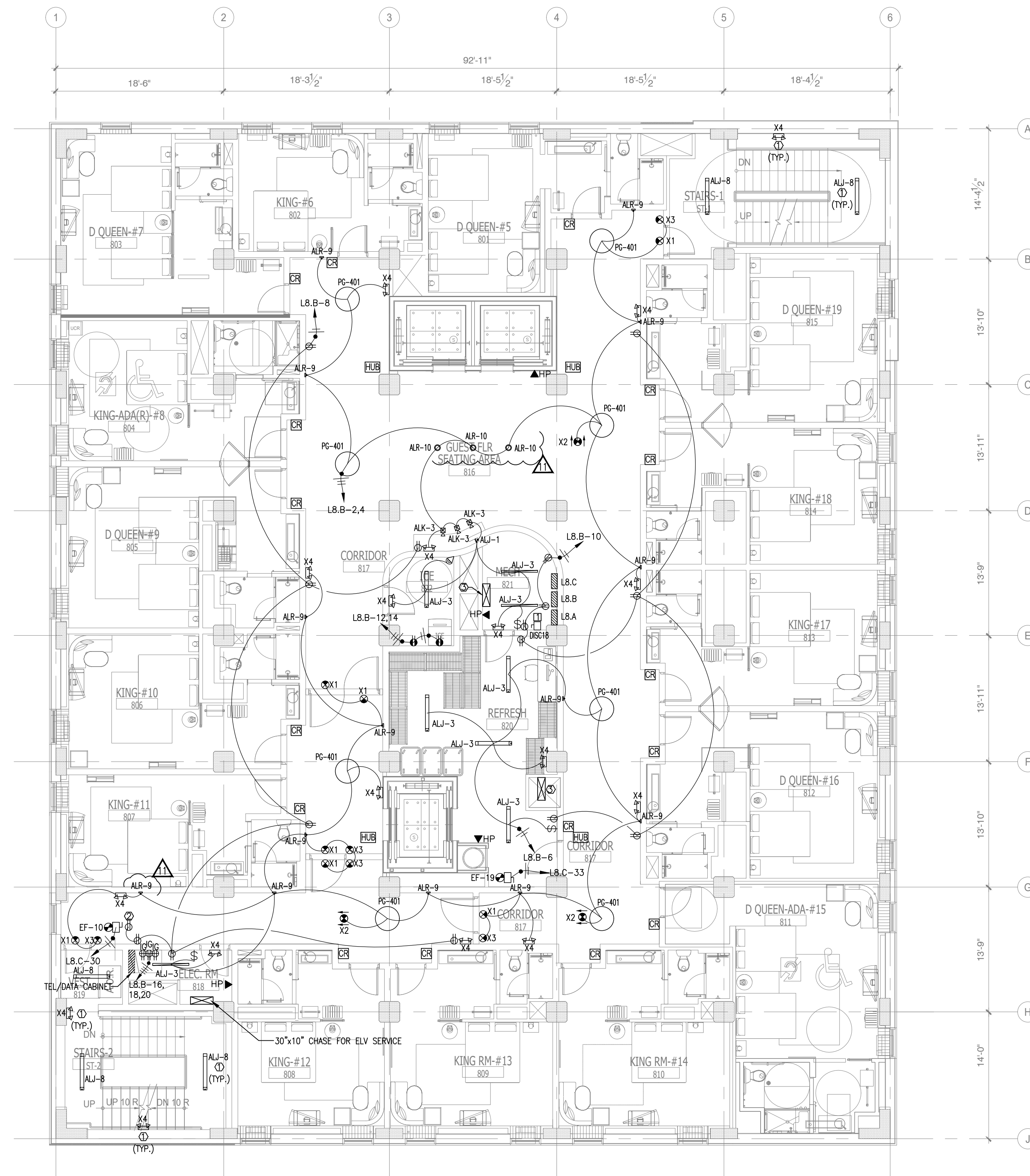
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CHKD. BY: DV

LIGHTING & POWER
SEVENTH FLOOR PLAN

SHEET E2.7

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

NOTE:
• NEW BACKGROUND

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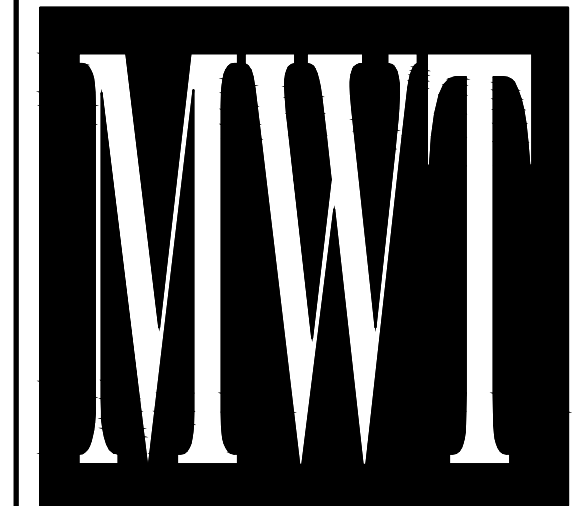
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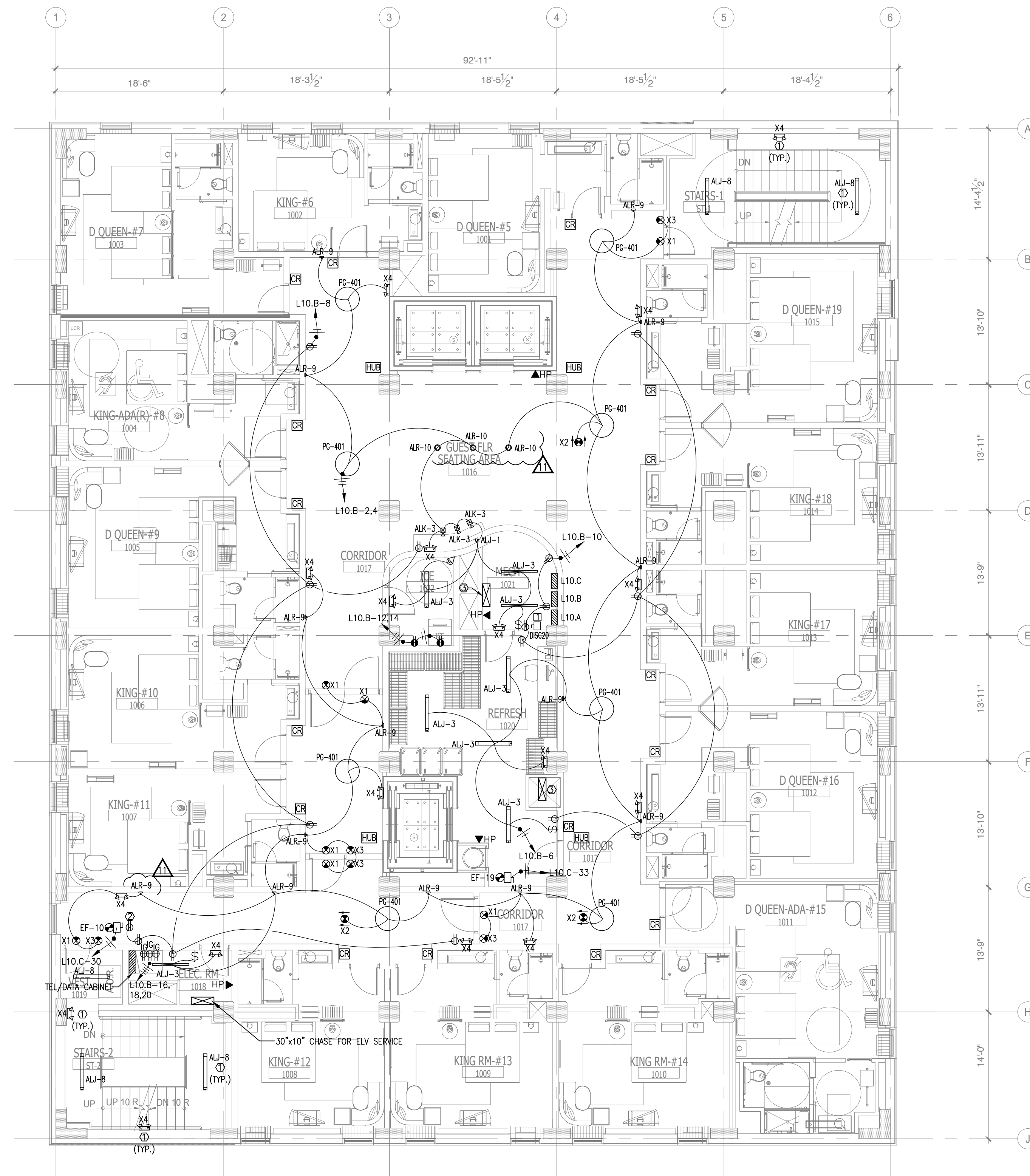
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**LIGHTING & POWER
EIGHTH FLOOR PLAN**

SHEET **E2.8**



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1 LIGHTING & POWER TENTH FLOOR PLAN
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DISCONNECT SWITCH SCHEDULES:

- 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
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4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
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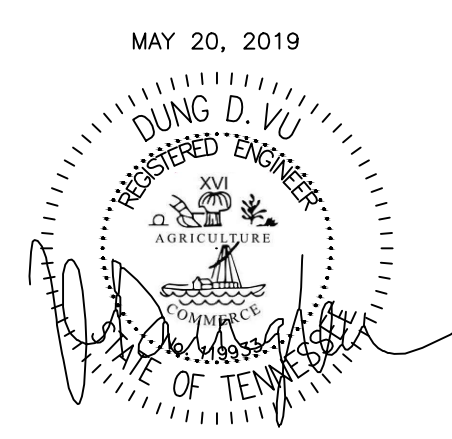
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

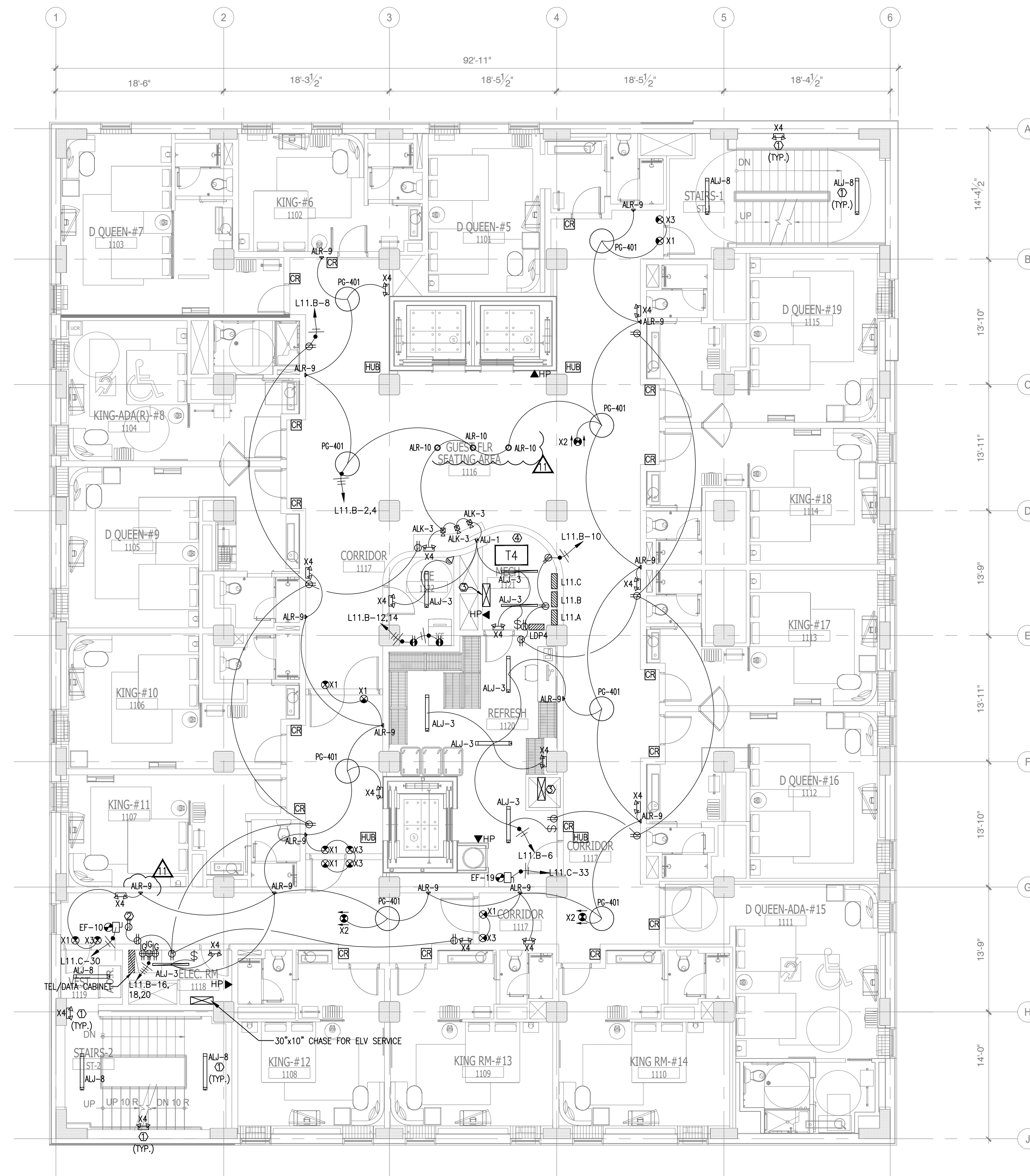
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

LIGHTING & POWER TENTH FLOOR PLAN

SHEET **E2.10**



IMPORTANT NOTICE TO ALL CONTRACTORS AND/OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND/OR INSTALLATIONS)
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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DISBURSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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

NOTE:
• NEW BACKGROUND

- 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.
 - 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.

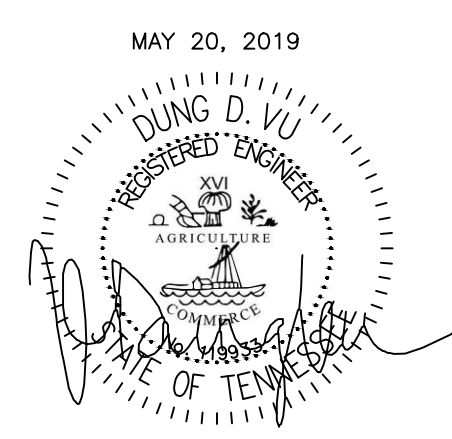
- KEYED NOTES:**
- CONNECT ALL TYPE "ALJ-B" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-B-10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - RECEPTACLE OUTLETS FOR MAINTENANCE.
 - 30"x10" CHASE FOR POWER SERVICE.
 - STEP DOWN TRANSFORMER (T4) 2250VA (43"x26")

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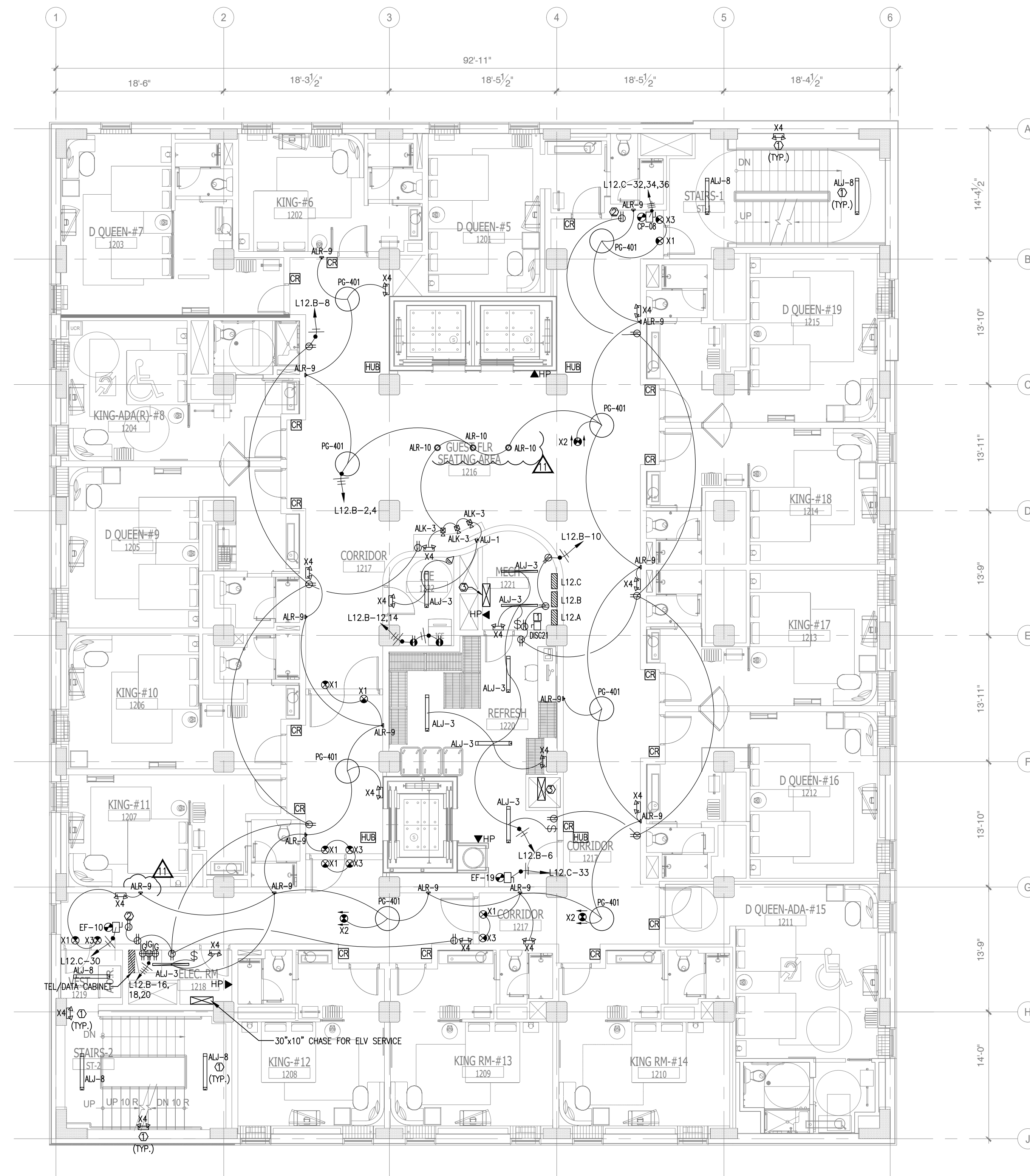


ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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DRAWN BY: PL
CHKD. BY: DV

LIGHTING & POWER
ELEVENTH FLOOR
PLAN
SHEET E2.11

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

NOTE:
• NEW BACKGROUND

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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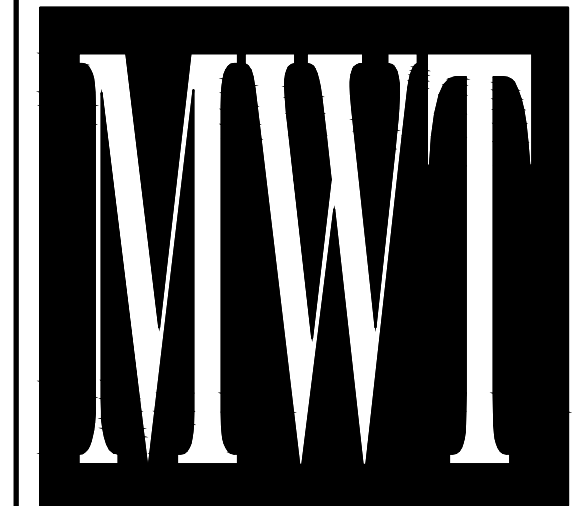
KEYED NOTES:

- CONNECT ALL TYPE "ALJ-B" & "X1", "X4" LIGHTS AT STAIRCASE TO LPEA-8,10, USING 2-2#10, 1/2". CONTRACTOR WILL PROVIDE A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
- RECEPTACLE OUTLETS FOR MAINTENANCE.
- 30"x10" CHASE FOR POWER SERVICE.

DISCONNECT SWITCH SCHEDULES:

- 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.

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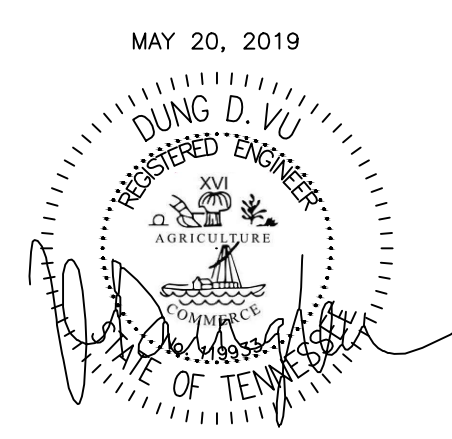
**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

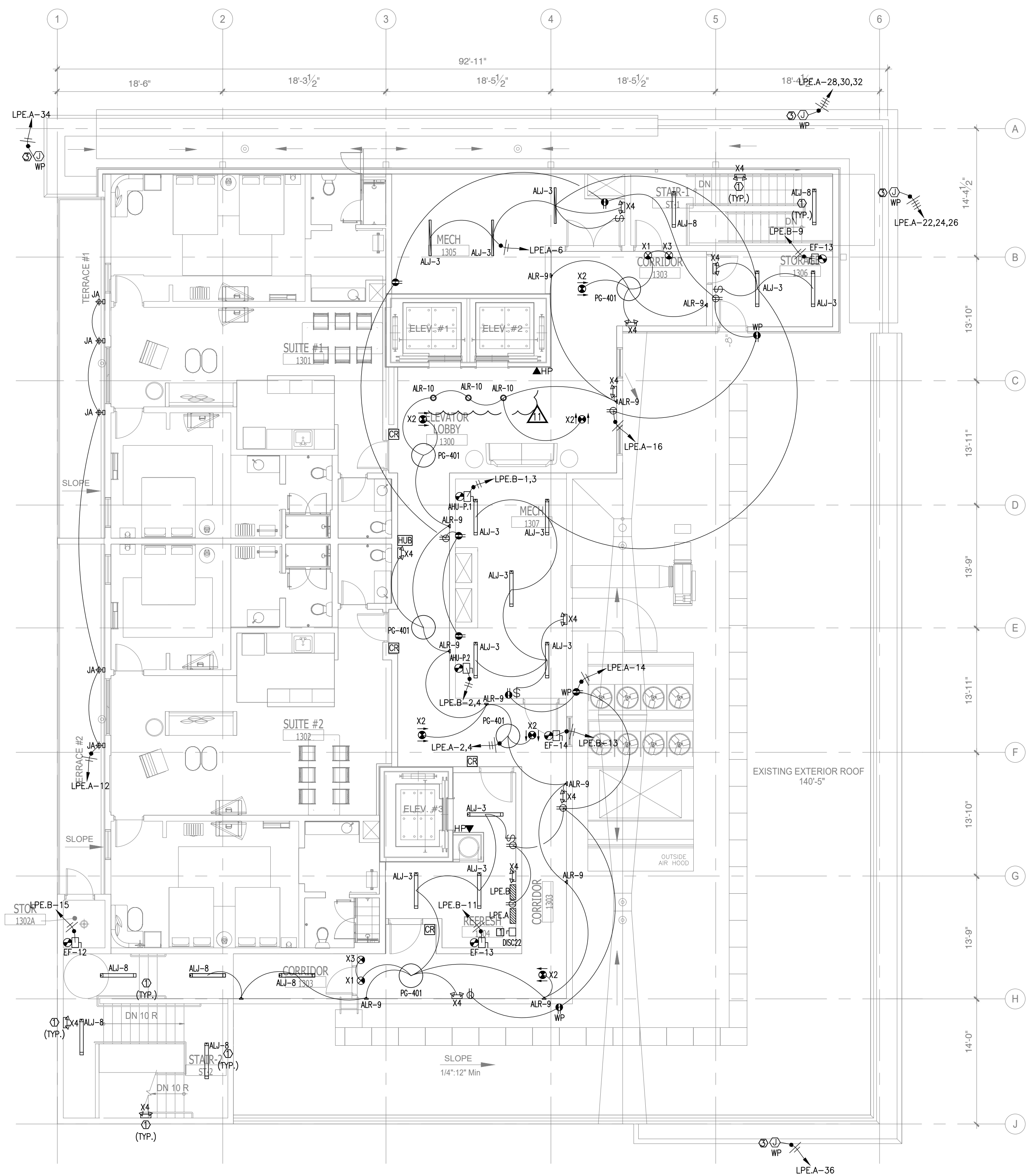
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**LIGHTING & POWER
TWELFTH FLOOR PLAN**

SHEET **E2.12**



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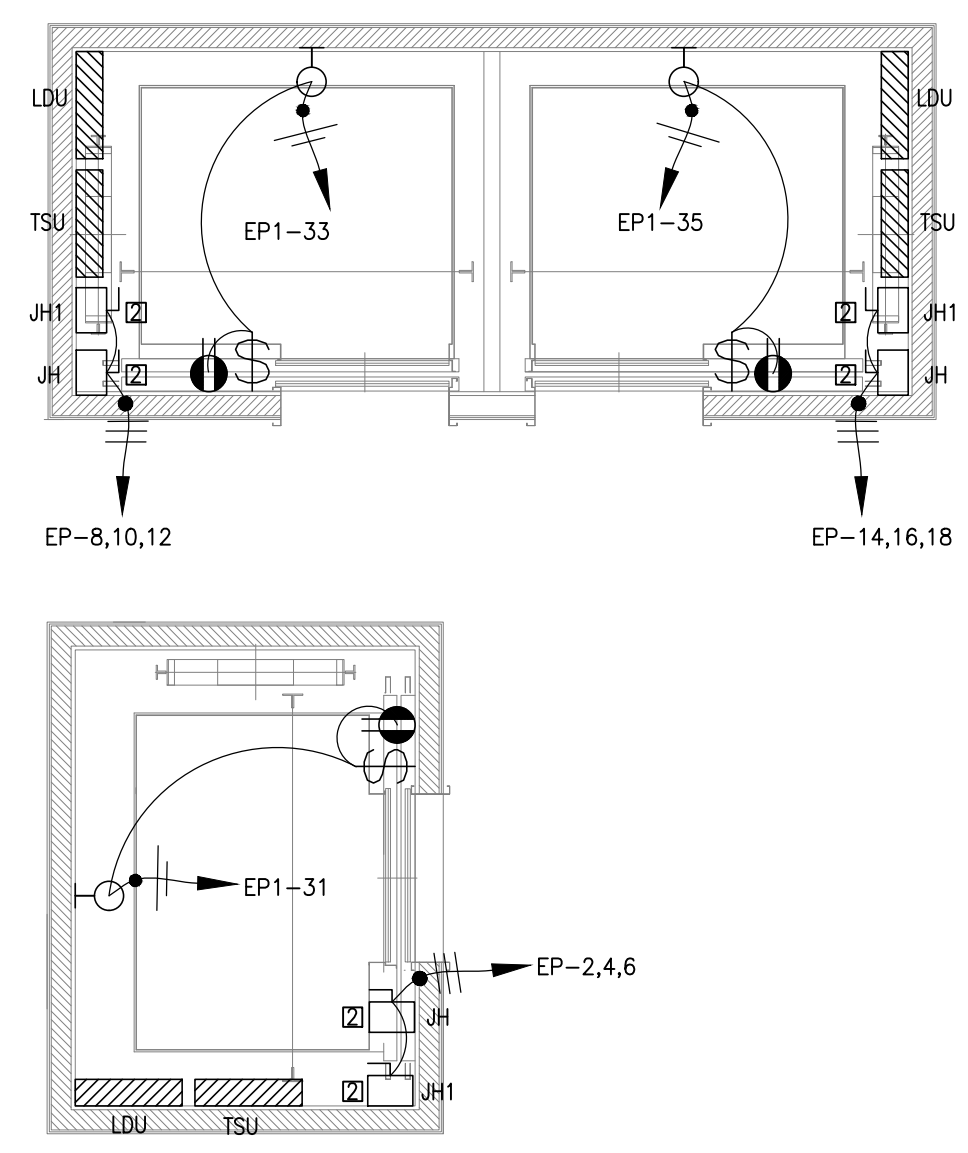
1 LIGHTING & POWER PENTHOUSE FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTE:
 • NEW BACKGROUND

- DISCONNECT SWITCH SCHEDULES:
- 240V, 3P, 400A DISCONNECT SWITCH W/400A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.
 - 240V, 3P, 100A DISCONNECT SWITCH W/100A CURRENT LIMITING CLASS RK1 FUSES (30K AIC) IN NEMA 1 ENCLOSURE.

- 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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 - 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.

- KEYED NOTES:**
- CONNECT ALL TYPE "ALJ-8" & "X1", "X4" LIGHTS AT STAIRCASE TO LPE-A-8,10, USING 2-2#10, 1/2"C. CONTRACTOR WILL PROVIDED A LOCK-ON FEATURE FOR THIS CIRCUIT AS REQUIRED BY NEC 700.12(F).
 - RECEPTACLE OUTLETS FOR MAINTENANCE
 - LOCATION FOR SIGN CONNECTION. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.

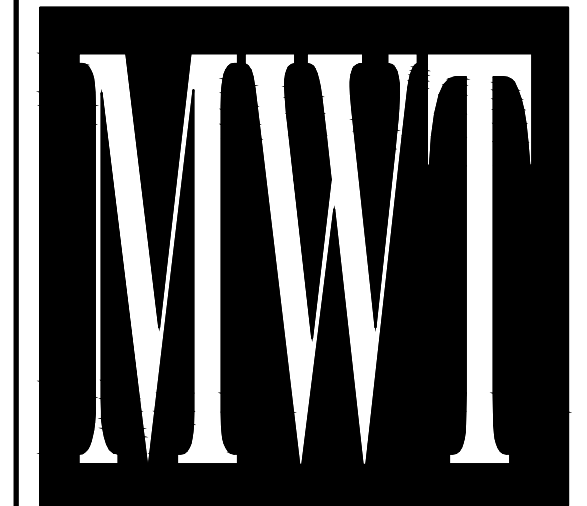


- NOTES FOR ELEVATOR:**
- DRAWING FOR GUIDELINE ONLY. CONTACT ELEVATOR SUPPLIERS TO VERIFY ALL POWER REQUIREMENTS PRIOR TO INSTALLATION
 - PROVIDE MOTOR CONTROL (TSU) LOCATED AT THE TOP OF THE HOISTWAY
 - PROVIDE INSPECTION & TEST PANEL (LDU) LOCATED WITHIN THE DOOR JAMB AT PENTHOUSE FLOOR.
 - CONTRACTORS TO SUPPLY AND INSTALL THE FOLLOWING EQUIPMENT (AND WIRING/CONDUIT) PER ELEVATOR REQUIREMENTS:
 - FUSIBLE DISCONNECT (JH) WITH AUXILIARY CONTACT & SHUNT TRIP, FOR ELEVATOR SYSTEM
 - FUSIBLE DISCONNECT (JH1) WITH AUXILIARY CONTACT, FOR MOTOR CONTROL
 - NON-FUSIBLE DISCONNECT (JHS) WITH AUXILIARY CONTACT, FOR INSPECTION & TEST PANEL (LDU)
 - DISCONNECTING MEANS (JHL) FOR AUXILIARY POWER AND LIGHTING
 - OVERCURRENT PROTECTIVE DEVICES WITHIN JH AND JH1
 - GROUND FAULT PROTECTION, AS REQUIRED PER NEC 620-61

2 ENLARGED ELEVATOR CONTROL (LOCATED ON A TOP OF ELEVATOR SHAFT)
 SCALE: 1/4"=1'-0"



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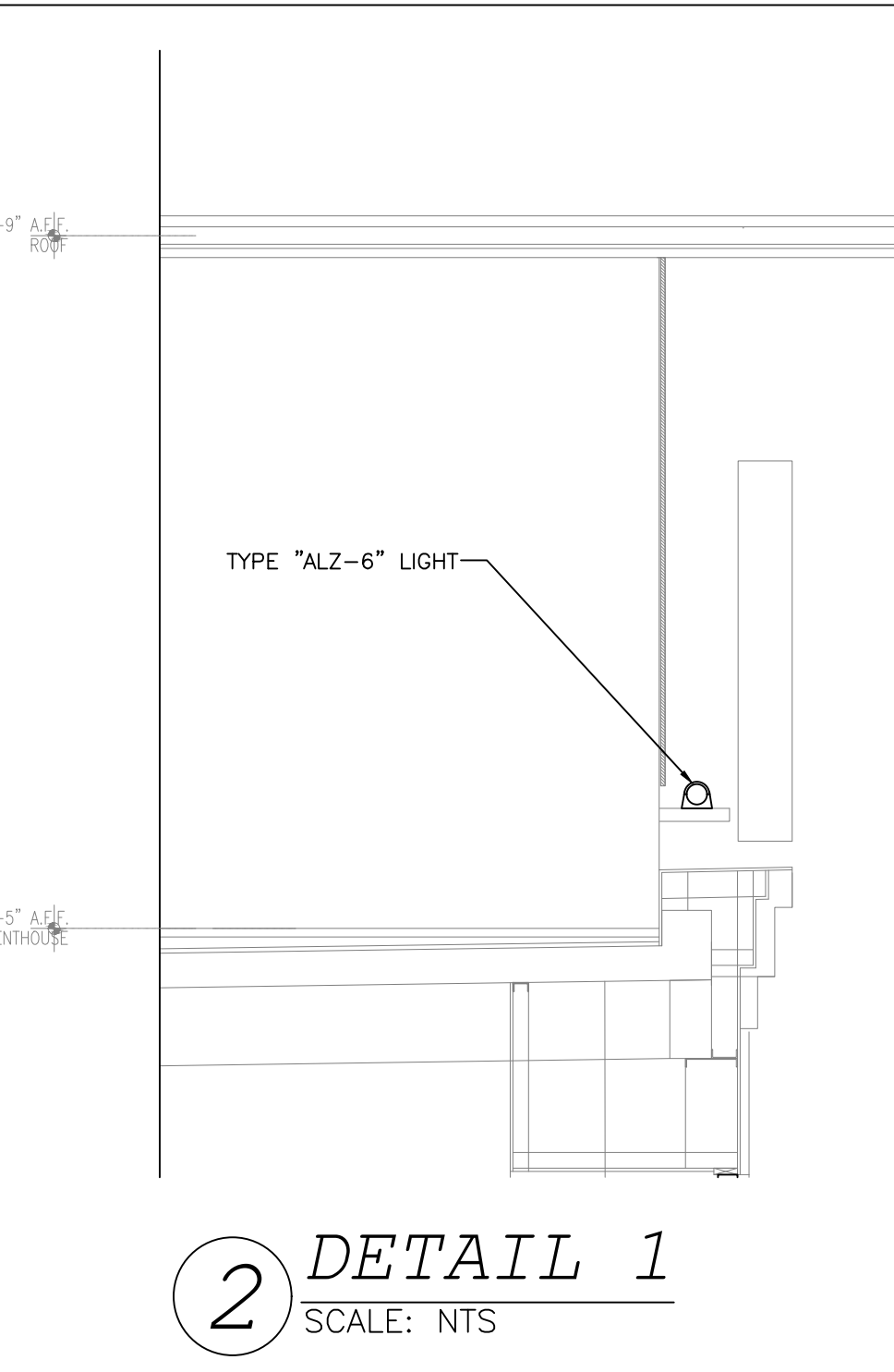
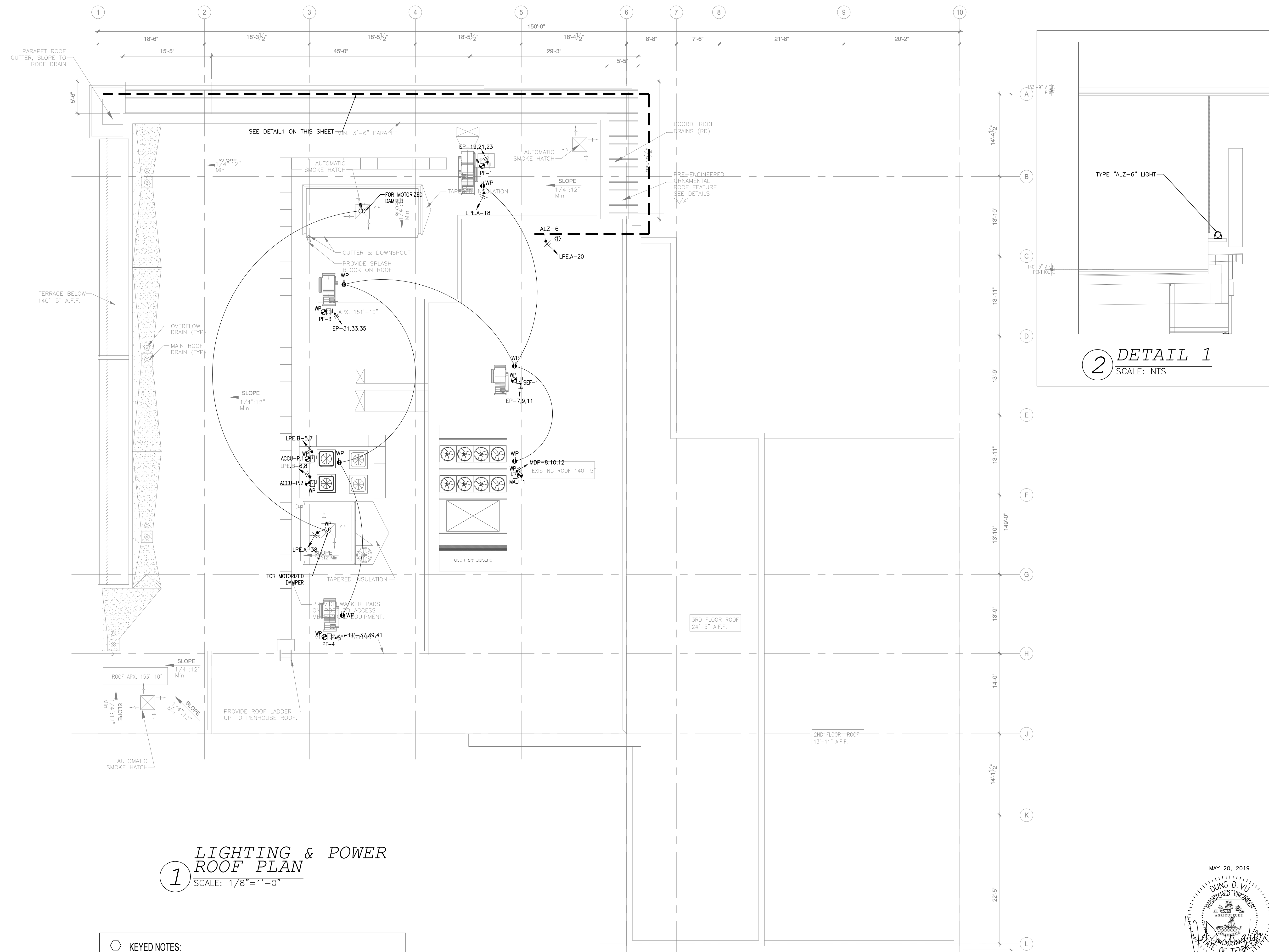
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ALOFT MEMPHIS DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 2-21-2018
 DRAWN BY: PL
 CHKD. BY: DV
LIGHTING & POWER PENTHOUSE FLOOR PLAN
SHEET E2.13

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

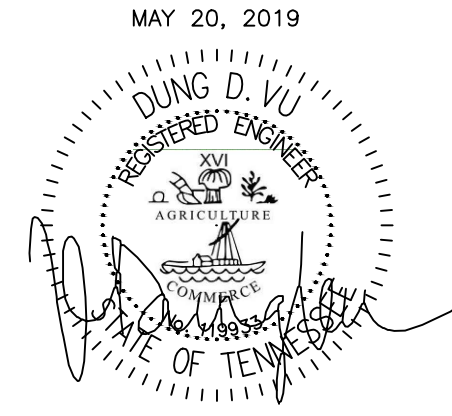
KEYED NOTES:

1. LIGHT AT ROOF SMOOF. REFER TO ARCH. FOR DETAIL OF INSTALLATION.

NOTE:
• NEW BACKGROUND

NOTE:

1. LOCATION OF POWER INTERRUPTION—MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70E COMMENTS.



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ALOFT MEMPHIS DOWNTOWN

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MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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CHKD. BY: DV

LIGHTING & POWER ROOF PLAN

SHEET **E2.14**

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5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL



1 ACCENT LIGHTING
NORTH ELEVATION
SCALE: 3/32" = 1'-0"

- KEYED NOTES:**
1. LOCATION FOR SIGN CONNECTION. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
 2. J. BOX FOR EXTERIOR WALL UPLIGHT. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION. CONNECT TO LGA-38, USING 2 - #10-1/2" C.

NOTE:
• NEW BACKGROUND

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 3. YOUR BID MUST INCLUDE ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
 4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMPLES, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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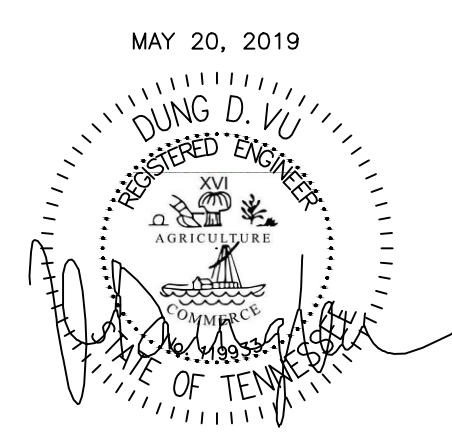
**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

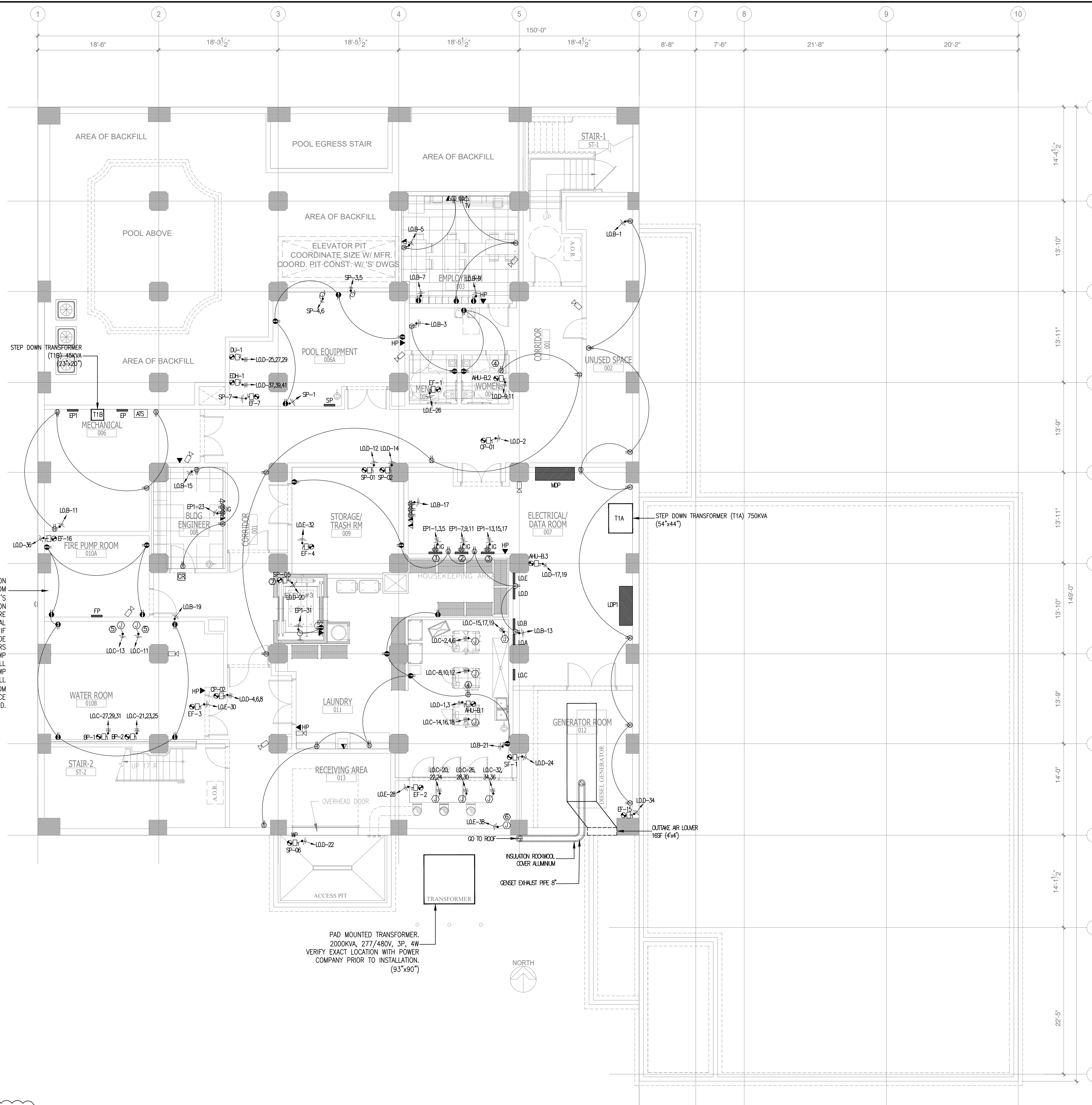
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

ACCENT LIGHTING
NORTH ELEVATION

SHEET E2.16



MAY 20, 2019



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)
- ELECTRICAL ROOM TO HAVE PANIC HARDWARE INSTALLED AND DOOR SHALL SWING IN THE DIRECTION OF EGRESS.
- ALL GFI RECEPTACLES SHALL NOT BE HIDDEN OR OBSTRUCTED PER THE 2014 NEC, INCLUDE THE FOOD PREP AREA.

KEY NOTES:

- TELEPHONE BOARD
- SECURITY BOARD
- CABLE TV BOARD
- RECEPTACLE OUTLETS FOR MAINTENANCE
- J-BOX FOR WATER SOFTENER
- J-BOX FOR MOTORIZED DAMPER. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- LOCATE IN PIT FOR SUMP PUMP.

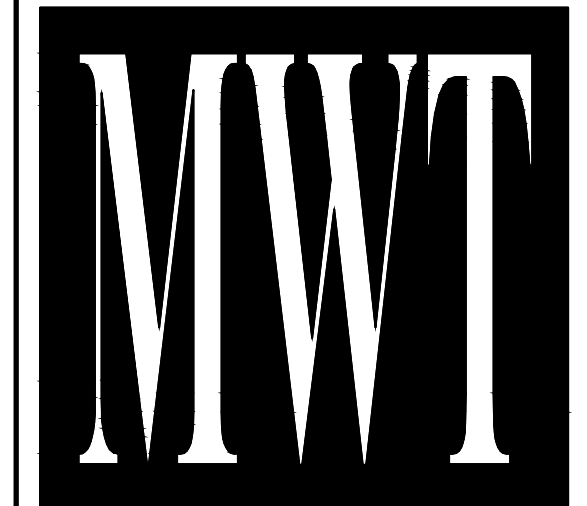
FIRE PUMP ROOM. PROVIDE CONNECTION TO FIRE PUMP CONTROLLER FROM SECONDARY SIDE OF POWER COMPANY'S TRANSFORMER. PROVIDE CONNECTION FROM FIRE PUMP CONTROLLER TO FIRE PUMP MOTOR AND ADDITIONAL CONNECTION TO JOCKEY PUMP IF REQUIRED. CONTRACTOR SHALL PROVIDE SERVICE ENTRANCE RATED CONDUCTORS SIZED AS REQUIRED FOR FIRE PUMP PROVIDED. DISCONNECTING MEANS SHALL BE INTEGRAL TO FIRE PUMP CONTROLLER. CONTRACTOR SHALL PROVIDE #8G CU GROUND FROM CONTROLLER TO SERVICE ENTRANCE GROUND.

PAD MOUNTED TRANSFORMER, 2000KVA, 277/480V, 3P, 4W. VERIFY EXACT LOCATION WITH POWER COMPANY PRIOR TO INSTALLATION. (93'x90')

NOTE:
• NEW BACKGROUND

POWER BASEMENT FLOOR PLAN
SCALE: 1/8"=1'-0"

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1	ISSUED FOR DEMOLITION	06/09/17	PL
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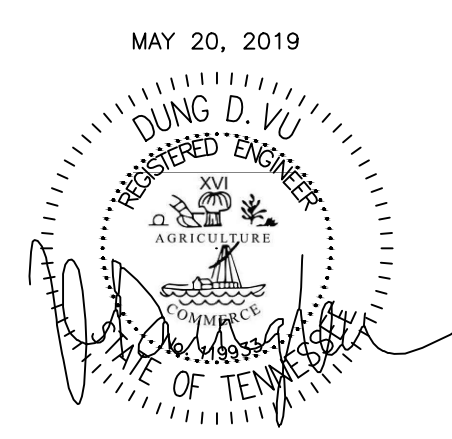
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PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

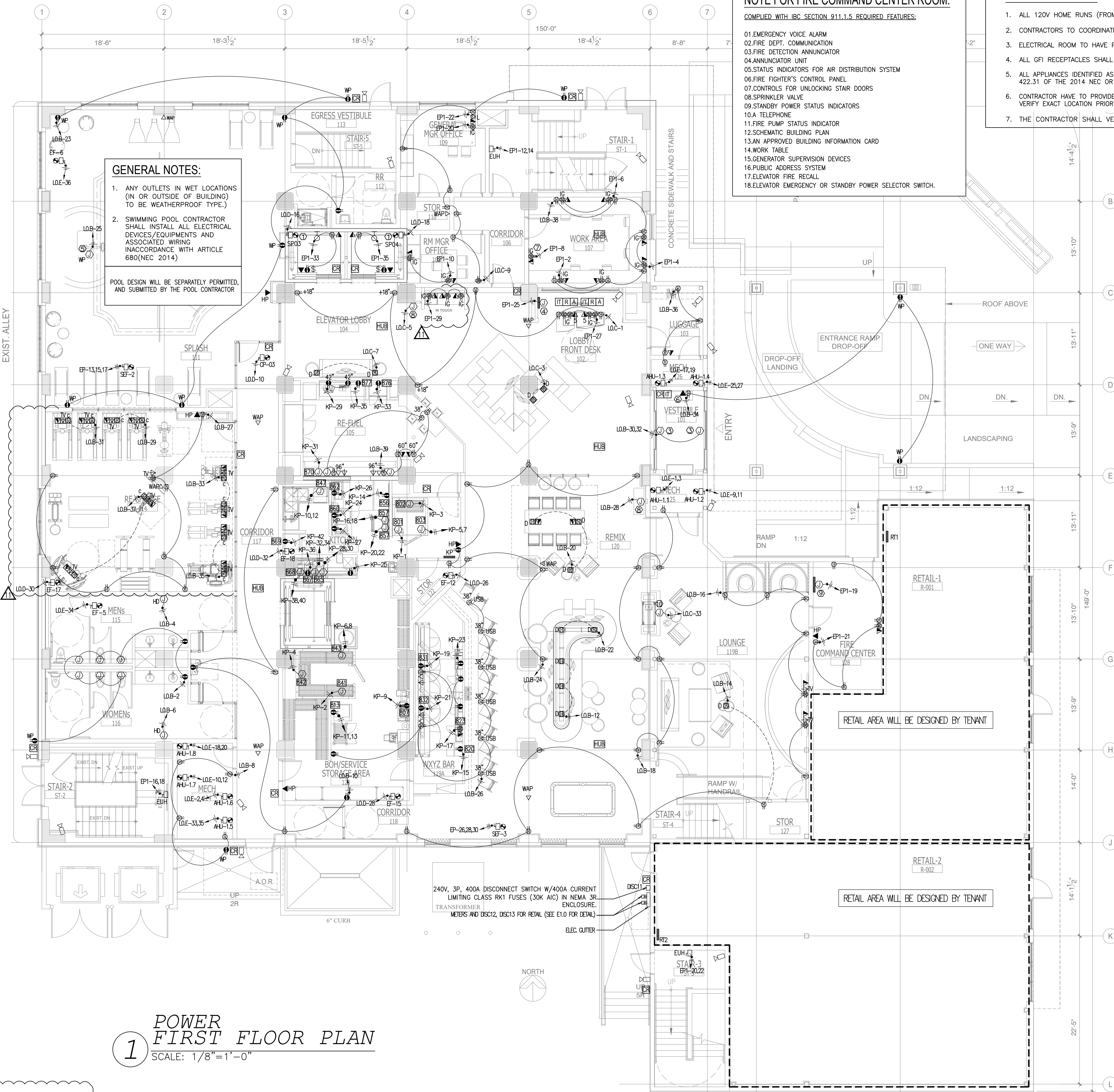
POWER BASEMENT FLOOR PLAN

SHEET **E3.0**



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- AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CAUSE, DRAFT STOPS, FASTENERS, ANCHORS, EMBLEMMENTS, DISMANTLING, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



GENERAL NOTES:

- ANY OUTLETS IN WET LOCATIONS (IN OR OUTSIDE OF BUILDING) TO BE WEATHERPROOF TYPE.)
- SWIMMING POOL CONTRACTOR SHALL INSTALL ALL ELECTRICAL DEVICES/EQUIPMENTS AND ASSOCIATED WIRING IN ACCORDANCE WITH ARTICLE 680(NEC 2014)

POOL DESIGN WILL BE SEPARATELY PERMITTED, AND SUBMITTED BY THE POOL CONTRACTOR

NOTE FOR FIRE COMMAND CENTER ROOM:
 COMPLIED WITH IBC SECTION 911.1.5 REQUIRED FEATURES:

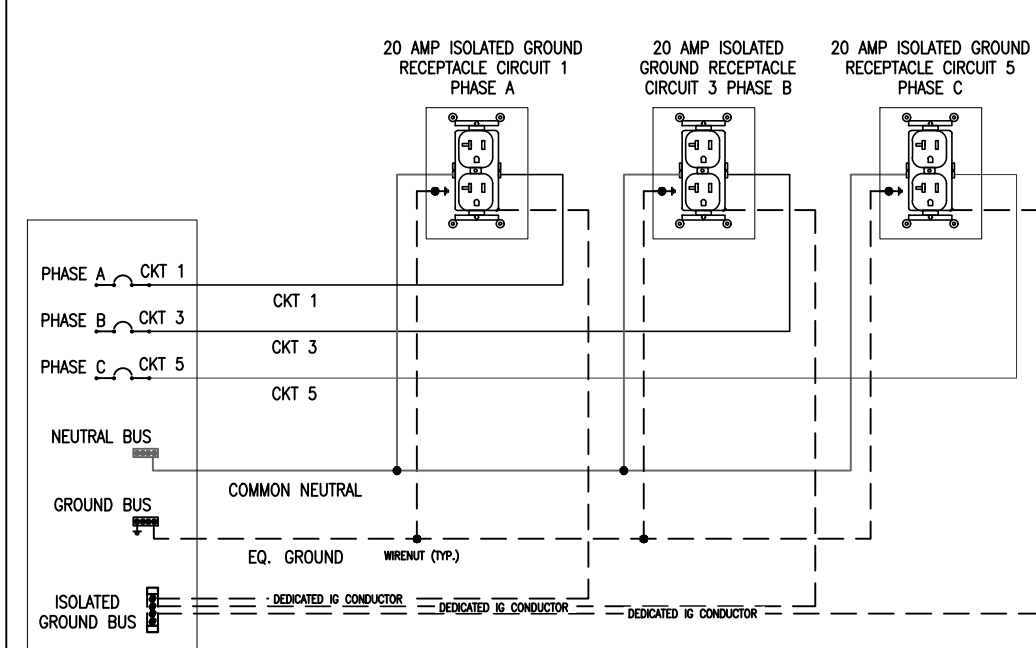
- EMERGENCY VOICE ALARM
- FIRE DEPT. COMMUNICATION
- FIRE DETECTION ANNUNCIATOR
- ANNUNCIATOR UNIT
- STATUS INDICATORS FOR AIR DISTRIBUTION SYSTEM
- FIRE FIGHTER'S CONTROL PANEL
- CONTROLS FOR UNLOCKING STAIR DOORS
- SPRINKLER VALVE
- STANDBY POWER STATUS INDICATORS
- TELEPHONE
- FIRE PUMP STATUS INDICATOR
- SCHEMATIC BUILDING PLAN
- AN APPROVED BUILDING INFORMATION CARD
- WORK TABLE
- GENERATOR SUPERVISION DEVICES
- PUBLIC ADDRESS SYSTEM
- ELEVATOR FIRE RECALL
- ELEVATOR EMERGENCY OR STANDBY POWER SELECTOR SWITCH.

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)
- ELECTRICAL ROOM TO HAVE PANIC HARDWARE INSTALLED AND DOOR SHALL SWING IN THE DIRECTION OF EGRESS.
- ALL GFI RECEPTACLES SHALL NOT BE HIDDEN OR OBSTRUCTED PER THE 2014 NEC, INCLUDE THE FOOD PREP AREA.
- ALL APPLIANCES IDENTIFIED AS DIRECT-WIRE IN THE KITCHEN AREA SHALL BE EQUIPPED WITH A UNIT SWITCH COMPLYING WITH SECTION 422.31 OF THE 2014 NEC OR PROVIDED WITH A DISCONNECTING MEANS. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- CONTRACTOR HAVE TO PROVIDE THROUGH PENETRATION FIRE STOPPING DETAILS FOR ALL ELECTRICAL SYSTEM IN PLACES WHERE REQUIRED. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL VERIFY LOCATION OF ALL FLOOR OUTLETS WITH FURNITURE/ ARCH. PRIOR TO INSTALLATION.

KEY NOTES:

- LOCATE IN PIT FOR SUMP PUMP.
- RECEPTACLE OUTLETS FOR MAINTENANCE.
- FIELD LOCATE FOR DOOR MOTOR.
- FIRE ALARM ANNUNCIATOR PANEL.
- J-BOX FOR POOL LIFT. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- HOUSE PHONE THAT RING 911 AD LOCAL CALLS.
- RECEPTACLE OUTLETS FOR PHOTOCOPIER/ PRINTER.
- J-BOX FOR SCENT MACHINE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- FIRE ALARM CONTROL PANEL.
- J-BOX FOR ELECTRIC FIRE PLACE. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.



ELECTRICAL EQUIPMENT SCHEDULE—FOOD SERVICE
 (CONTRACTOR HAVE TO VERIFY EXACT LOCATION, BREAKER SIZES, CABLE SIZES, HP, ETC FOR ALL ELECTRICAL EQUIPMENT WITH KITCHEN SUPPLIER PRIOR TO INSTALLATION)

MARK	DESCRIPTION	MANUFACTURER_EQ	PH	VOLTAGE	AMP	HP	KW
801	BEER COOLER	BALLY/ PER PLAN	1	115			0.5
802	REFRIGERATION SYSTEM +35F	BOHN/ PER PLAN	1	115	14		
803	REFRIGERATION SYSTEM +35F	COPELAND/ PER PLAN	1	208			2.5
813	ICE MAKER	HOSHIZAKI/ KM650-MAH	1	208	7.2		
820	GLASS WASHER	HOBART/ LXE	1	120	15.4		
822	POS STAND	GLASTENDER/ PCB-18	1	120			
823	POS SYSTEM	GENERIC	1	120			
831	BACK BAR REFRIGERATOR	GLASTENDER/ BB84R	1	115	10.1		
832	BACK BAR REFRIGERATOR	GLASTENDER/ BB84L	1	115	10.1		
841	WALK-IN COOLER	BALLY/ PER PLAN	1	115			0.5
842	REFRIGERATION SYSTEM +35F	BOHN/ PER PLAN	1	115	14		
843	REFRIGERATION SYSTEM +35F	COPELAND/ PER PLAN	1	208			2.5
847	UNDERCOUNTER DISHWASHER	HOBART/ LXEH	1	208	30.5	4.9	
856	REACH-IN FREEZER	TRUE/ T-49F HC	1	115	9.6		
857	OVEN	TURBOCHEF/ IS	1	208	48	9.5	
860	HOT FOOD UNIT	WELLS/ SMT	1	115	13.8	1.65	
862	SANDWICH MAKE REFRIGERATOR	RANDALL/ 9210-32-7	1	115	9		
865	COFFEE BREWER W/ AIRPORTS	FETCO/ CBS-52H-15	1	208	22.4	4.6	
867	UNDERCOUNTER REFRIGERATOR	TRUE/ TUC-27	1	115	2		
868	ESPRESSO MACHINE	RANCILIO/ REGO ONE-TOUCH	1	208			3.6
869	REACH-IN FREEZER	TRUE/ T-23F	1	115	5.5		
870	HEAT LAMP	HATCO/ GRAPH-30	1	115	5.5	0.66	
876	GLASS DOOR REFRIGERATOR	TRUE/ GDM-30-HC-LD	1	115	4		
877	GLASS DOOR FREEZER	TRUE/ GDM-7F	1	115	6.7		

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

NOTE:

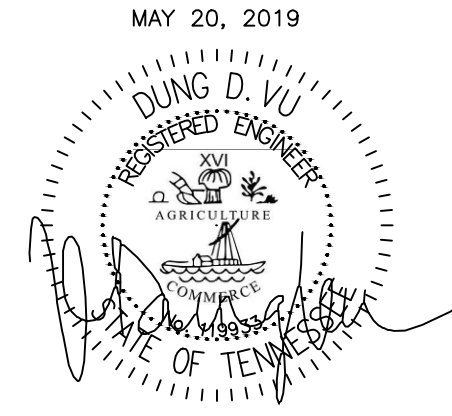
- NEW BACKGROUND

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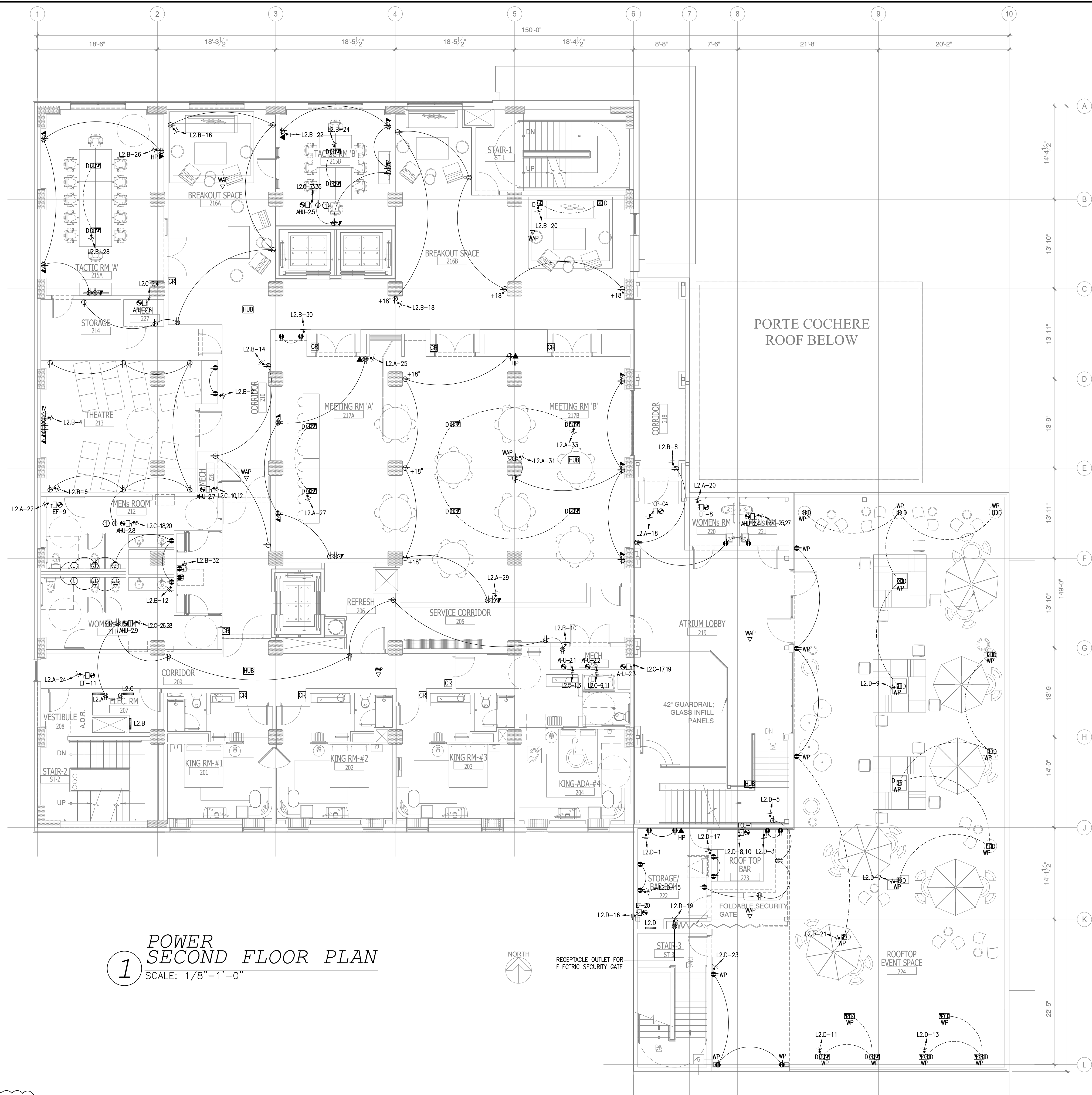
PROJECT NO.: 16 006
 DATE: 07-21-2017
 DRAWN BY: PL
 CHKD. BY: DV

POWER FIRST FLOOR PLAN

SHEET **E3.1**

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GENERAL NOTE:

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- ALL OF RECEPTACLES SHALL NOT BE HIDDEN OR OBSTRUCTED PER THE 2014 NEC, INCLUDE THE FOOD PREP AREA.
- THE CONTRACTOR SHALL VERIFY LOCATION OF ALL FLOOR OUTLETS WITH FURNITURE/ ARCH. PRIOR TO INSTALLATION.

KEY NOTES:

- RECEPTACLE OUTLETS FOR MAINTENANCE.

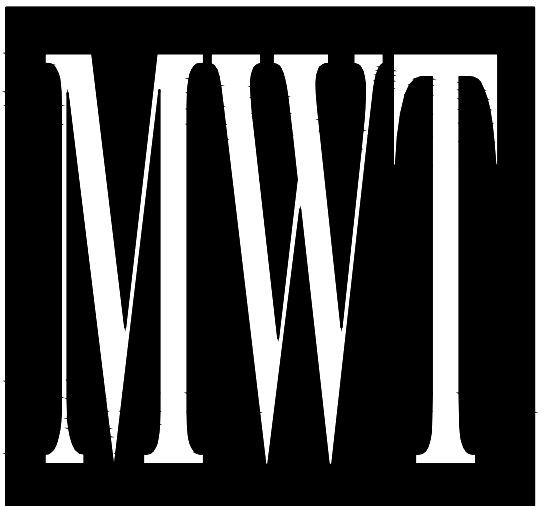
1 POWER SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

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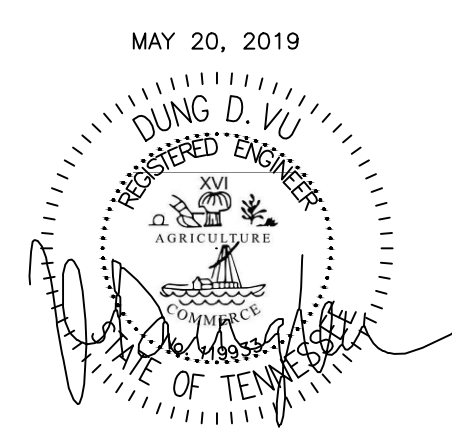
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PROJECT NO.: 16 006
DATE: 07-21-2017
DRAWN BY: PL
CHKD. BY: DV

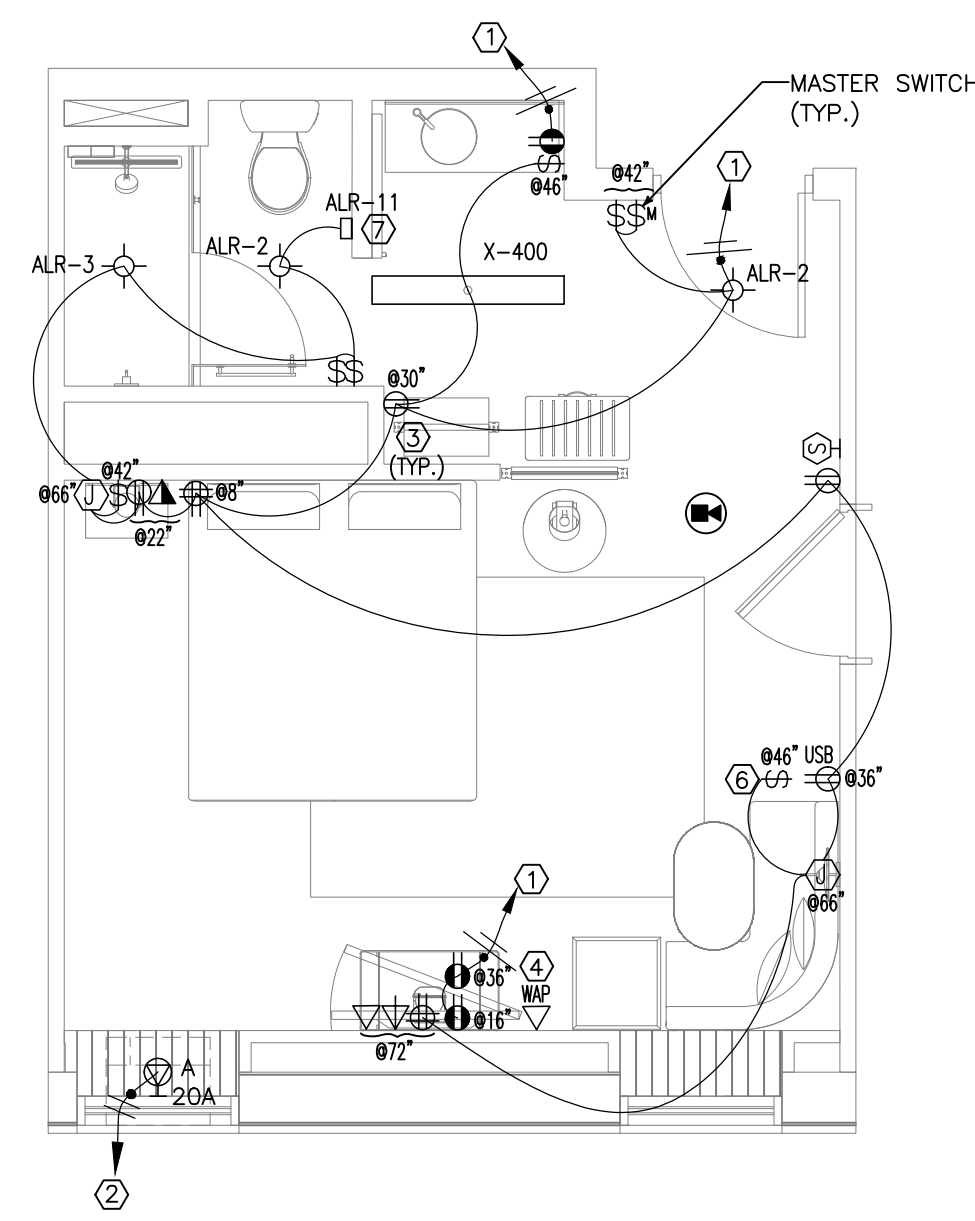
POWER SECOND FLOOR PLAN

SHEET **E3.2**

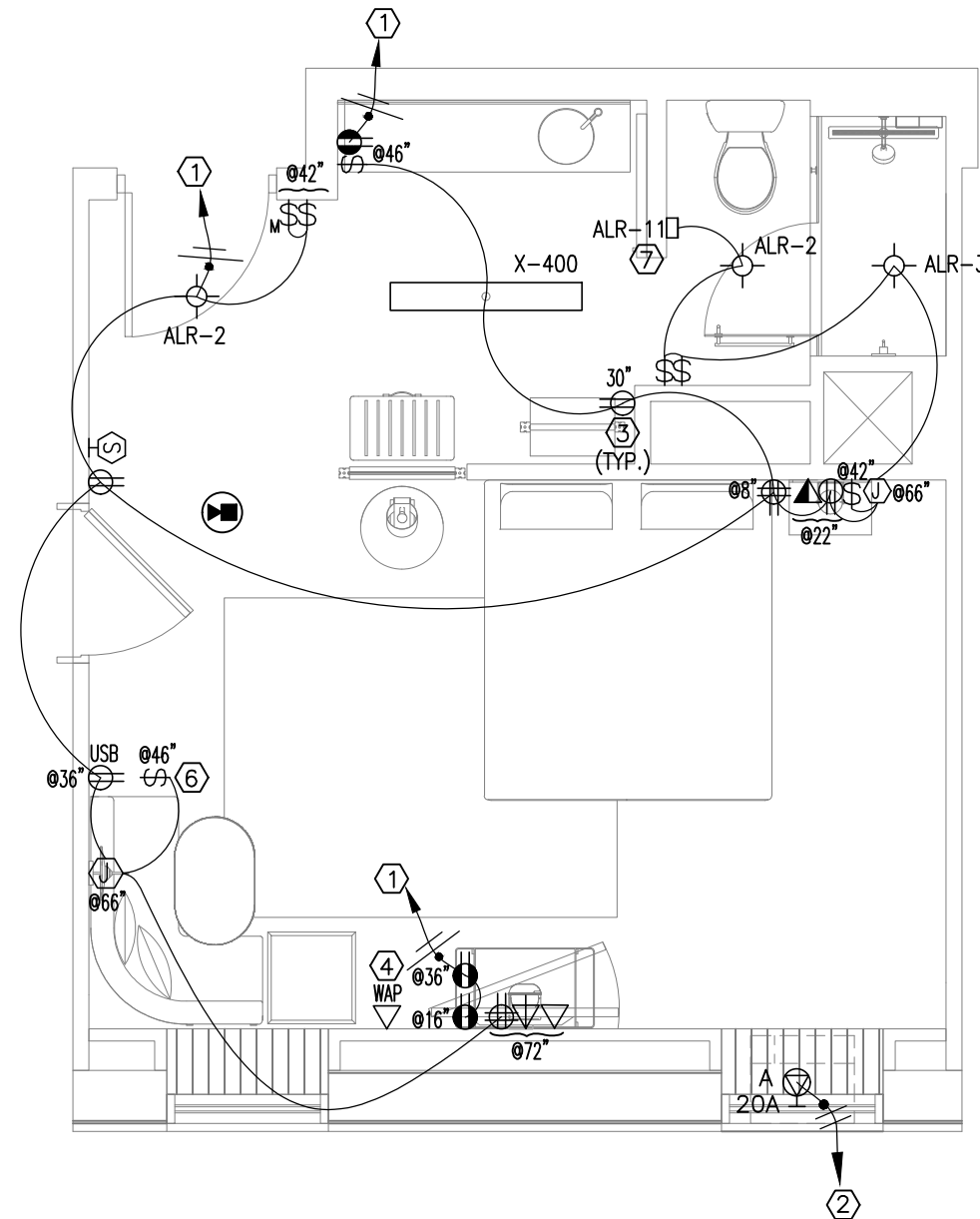


MAY 20, 2019

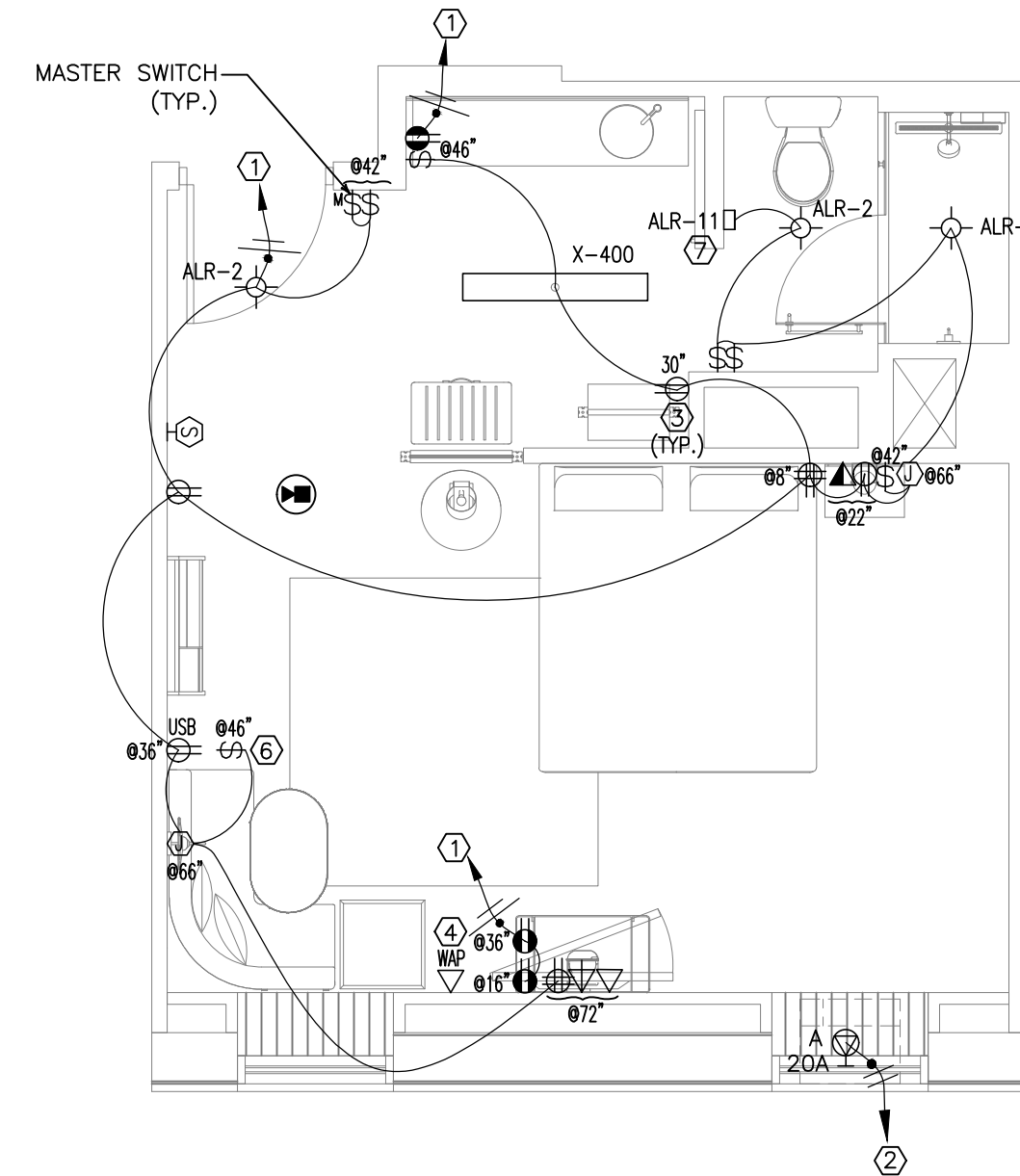
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1 KING #1
SCALE: 1/4"=1'-0"



2 KING #2
SCALE: 1/4"=1'-0"



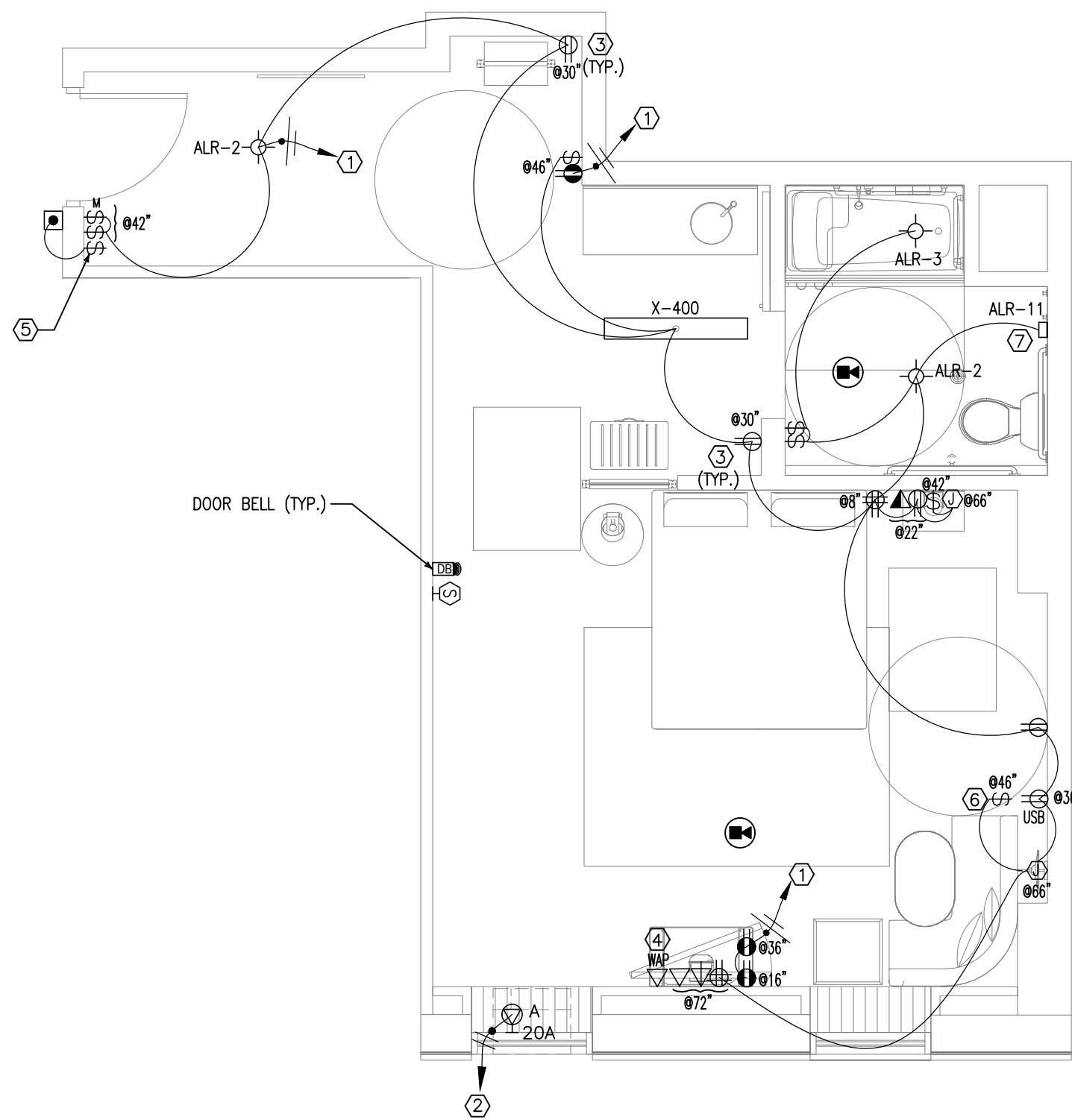
3 KING #3
SCALE: 1/4"=1'-0"

NOTES:

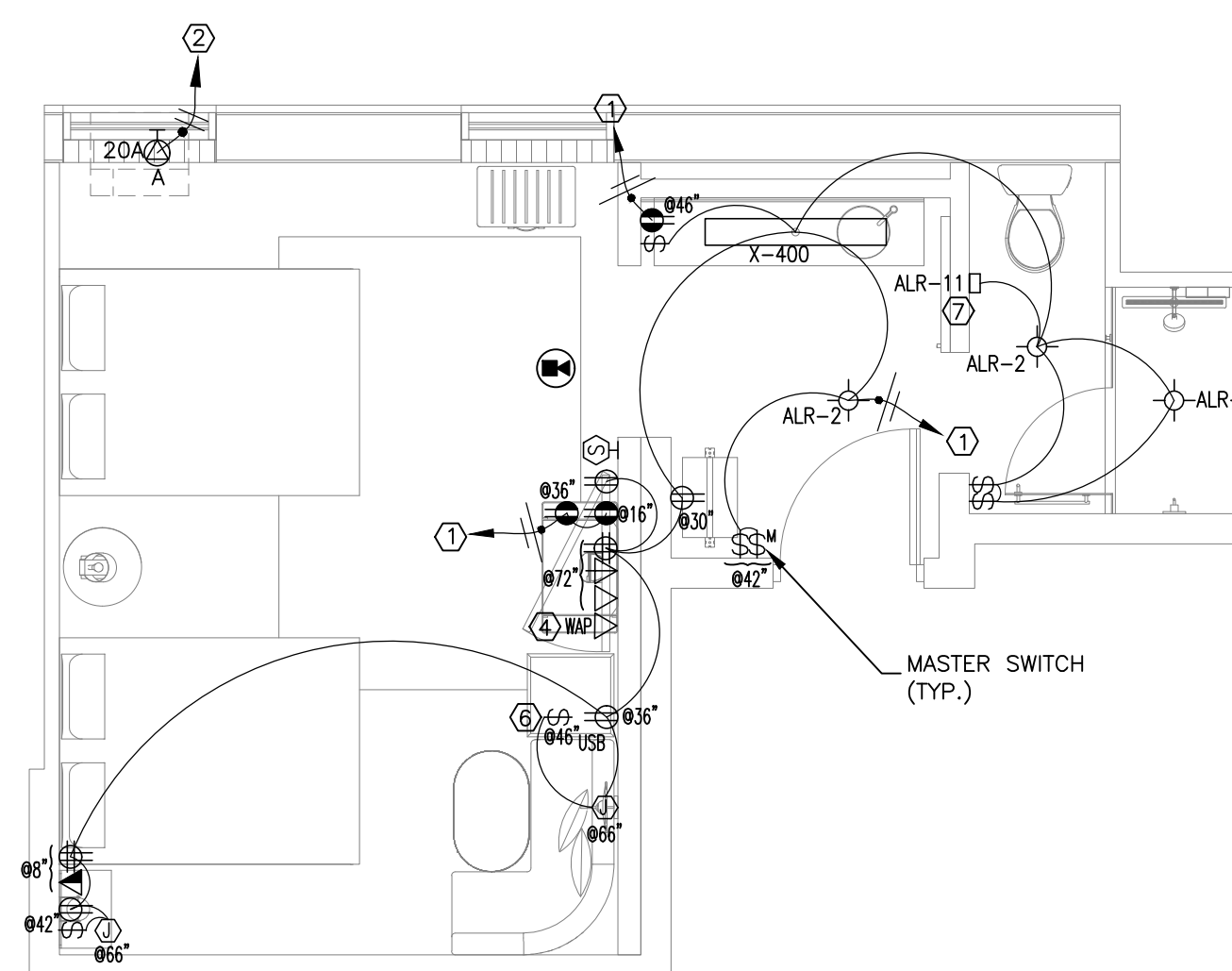
- A. GUEST ROOMS & BATHROOMS FOR ACCESSIBLE & HEARING IMPAIRED SHALL HAVE AN AUDIBLE & VISUAL ALARM ACTIVATED BY THE IN ROOM SMOKE DETECTOR & AN AUDIBLE & VISUAL ALARM ACTIVATED BY THE BLDG. FIRE ALARM SYSTEM.
- B. INSTALL PUSH BUTTON AT EACH ACCESSIBLE & HEARING IMPAIRED ROOMS FOR VISUAL ALARM, NOTIFICATION DEVICES & TELEPHONES.
- C. ELECTRICAL OUTLETS FOR PTACs WILL BE INSTALLED UNDERNEATH SUB-BASE.
- D. MASTER LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM.
- E. ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
- F. WALL OUTLETS SHALL NOT OCCUR IN SAME WALL CAVITY OF ADJACENT GUESTROOMS, TYPICAL.
- I. AT ALL ACCESSIBLE AND HEARING IMPAIRED GUESTROOM TYPES, PROVIDE A DOORBELL DISCONNECT SWITCH WITHIN THE GUESTROOM.
- J. SMOKE DETECTORS IN EACH GUEST ROOM ALSO BE EQUIPPED WITH CO MONITORING (REFER TO E5.0 FOR EXCEPTION).
- K. ALL 120V NON-LOCKING TYPE RECEPTACLES IN GUEST ROOMS AND GUEST BATHROOMS SHALL BE TAMPER PROOF.
- L. ALL DUPLEX RECEPTACLES TO BE INSTALLED @ 18" UNLESS NOTED OTHERWISE.
- M. WALL OUTLETS SHALL NOT OCCUR IN SAME WALL CAVITY OF ADJACENT GUESTROOMS, TYPICAL.
- N. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENTS WITH ARCHITECTURAL DRAWINGS & OWNER PRIOR TO INSTALLATION.

KEYED NOTES:

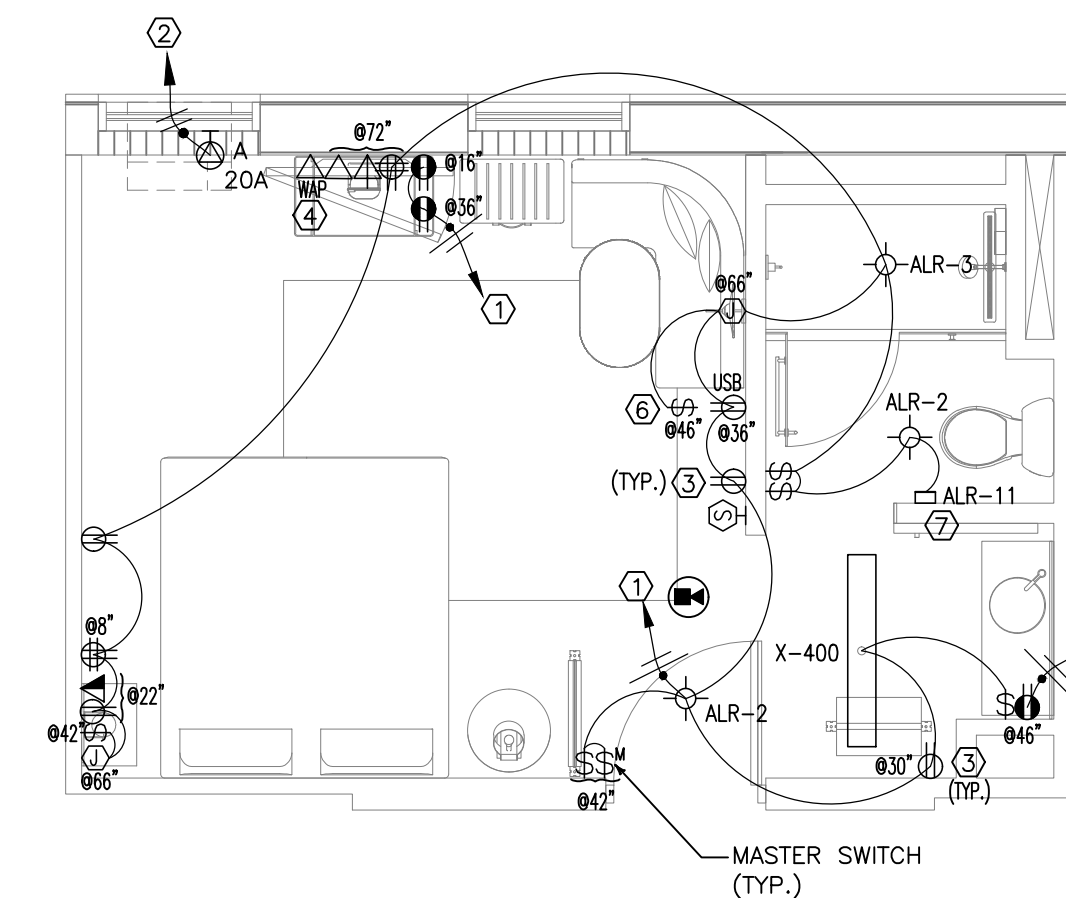
1. CONNECT TO 20A/1P BREAKER IN PANEL AS INDICATED ON PANEL SCHEDULE
2. CONNECT TO 20A/2P BREAKER IN PANEL AS INDICATED ON PANEL SCHEDULE
3. WHERE RECEPTACLES AND LIGHTS ARE SERVED BY A COMMON CIRCUIT, RECEPTACLES SHALL BE KEPT UNSWITCHED UNLESS NOTED OTHERWISE.
4. WIRELESS ACCESS POINT - SITE SURVEY SHALL BE COMPLETED BY THE TECHNOLOGY CONTRACTOR TO DETERMINE BEST LOCATION FOR EACH ZONE.
5. DOORBELL DISCONNECT SWITCH. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION
6. THE SWITCH ALIGNS WITH & RECEPTACLES, MOUNTED WITH THE ELEVATION AS SHOWN RECEPTACLES IS MOUNTED HORIZONTALLY.
7. VERIFY LOCATION OF ALR-11 LIGHT WITH OWNER/ ARCH, PRIOR TO INSTALLATION.



4 KING ADA #4
SCALE: 1/4"=1'-0"

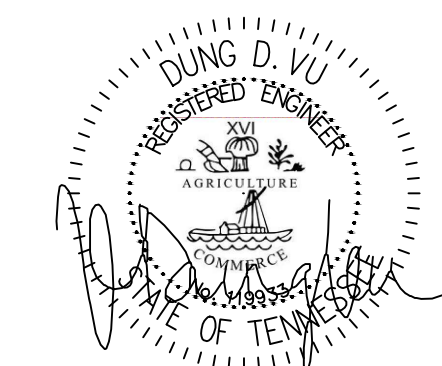


5 D. QUEEN #5
SCALE: 1/4"=1'-0"



6 KING #6
SCALE: 1/4"=1'-0"

APR. 23, 2019



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ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

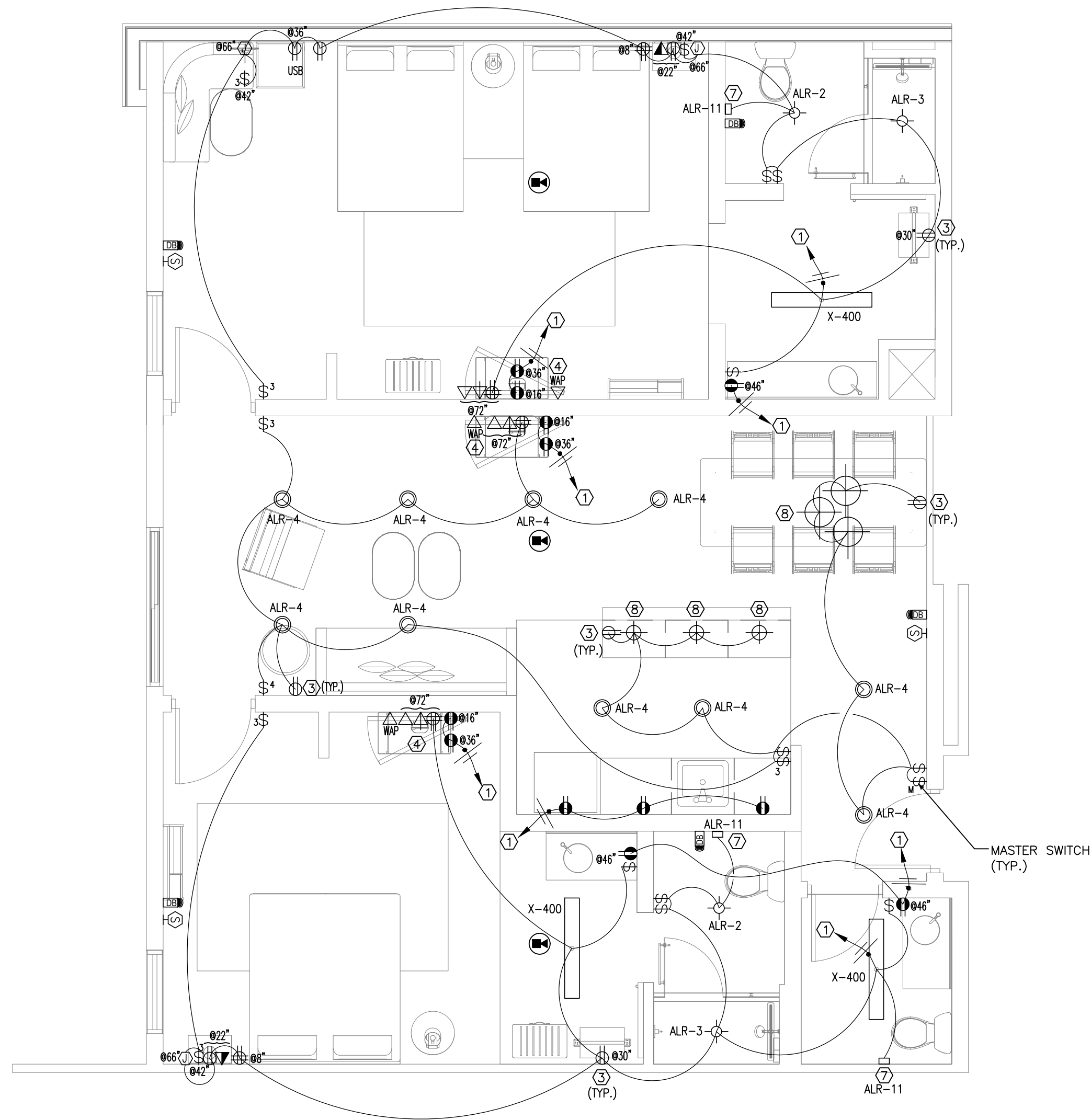
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

TYPICAL GUESTROOM
PLAN

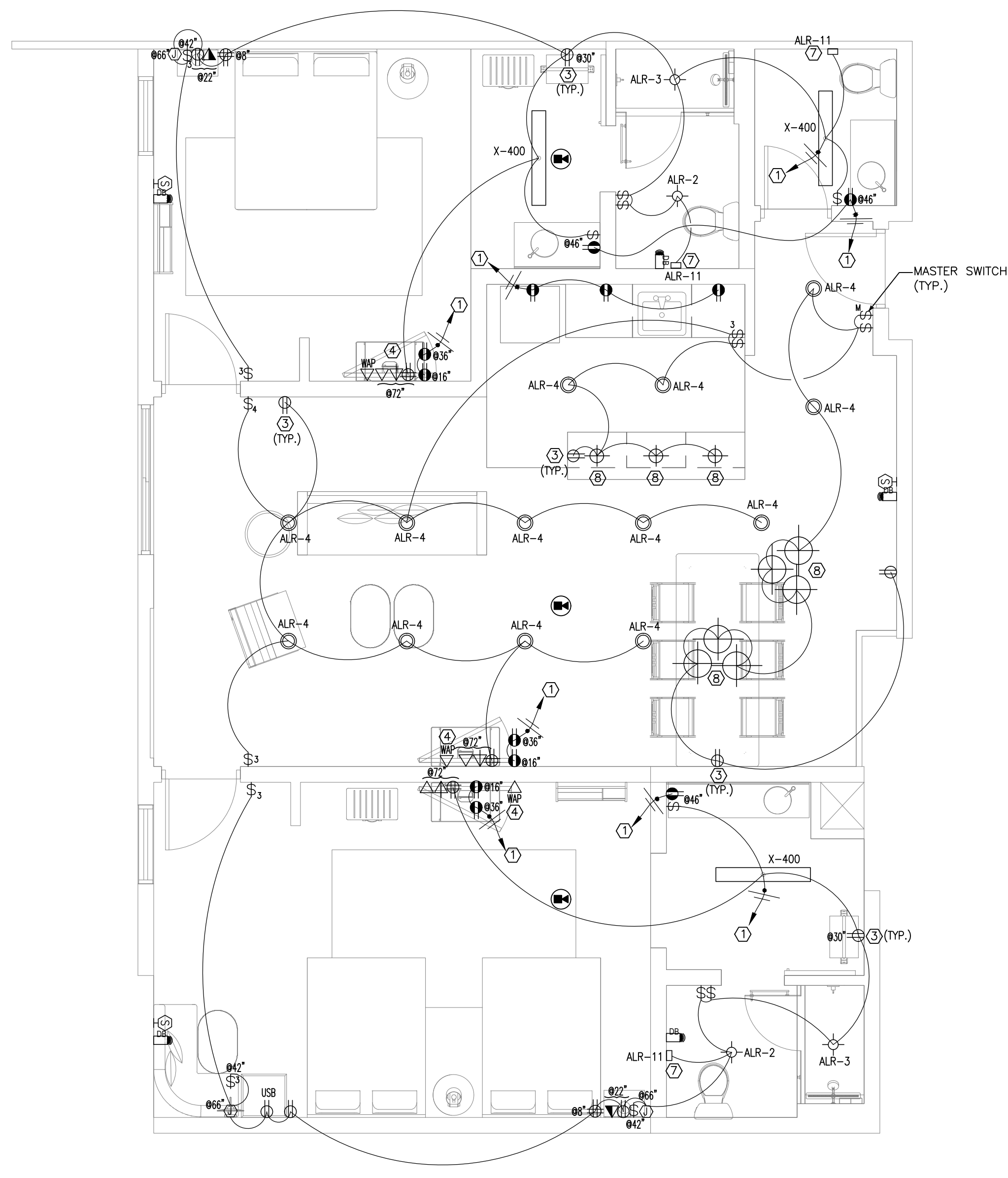
SHEET E4.0

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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CAUSE, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DISMISTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

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3	ISSUED FOR BID (ID ONLY)	07/21/17	PL
4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL



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



2 SUITE #2
SCALE: 1/4"=1'-0"

NOTES:

- A. 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.
- B. INSTALL PUSH BUTTON AT EACH ACCESSIBLE & HEARING IMPAIRED ROOMS FOR VISUAL ALARM, NOTIFICATION DEVICES & TELEPHONES.
- C. ELECTRICAL OUTLETS FOR PTACs WILL BE INSTALLED UNDERNEATH SUB-BASE.
- D. MASTER LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM.
- E. ALL 120V HOME RUNS (FROM UNITS) 100 FT OR MORE TO USE #10 IN LIEU OF #12.
- F. WALL OUTLETS SHALL NOT OCCUR IN SAME WALL CAVITY OF ADJACENT GUESTROOMS, TYPICAL.
- I. AT ALL ACCESSIBLE AND HEARING IMPAIRED GUESTROOM TYPES, PROVIDE A DOORBELL DISCONNECT SWITCH WITHIN THE GUESTROOM.
- J. SMOKE DETECTORS IN EACH GUEST ROOM ALSO BE EQUIPPED WITH CO MONITORING (REFER TO E5.0 FOR EXCEPTION).
- K. ALL 120V NON-LOCKING TYPE RECEPTACLES IN GUEST ROOMS AND GUEST BATHROOMS SHALL BE TAMPER PROOF.
- L. ALL DUPLEX RECEPTACLES TO BE INSTALLED @ 18" UNLESS NOTED OTHERWISE.
- M. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENTS WITH ARCHITECTURAL DRAWINGS & OWNER PRIOR TO INSTALLATION.

KEYED NOTES:

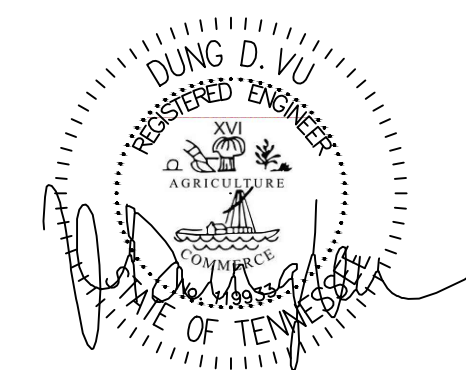
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5. DOORBELL DISCONNECT SWITCH. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION
6. THE SWITCH & RECEPTACLES ALIGN WITH THE SCONCE, MOUNTED HORIZONTALLY WITH THE ELEVATION AS SHOWN.
7. VERIFY LOCATION OF ALR-11 LIGHT WITH OWNER/ ARCH. PRIOR TO INSTALLATION
8. DECORATIVE LIGHT, SELECT BY OWNER/ ARCH.



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APR. 23, 2019



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DOWNTOWN

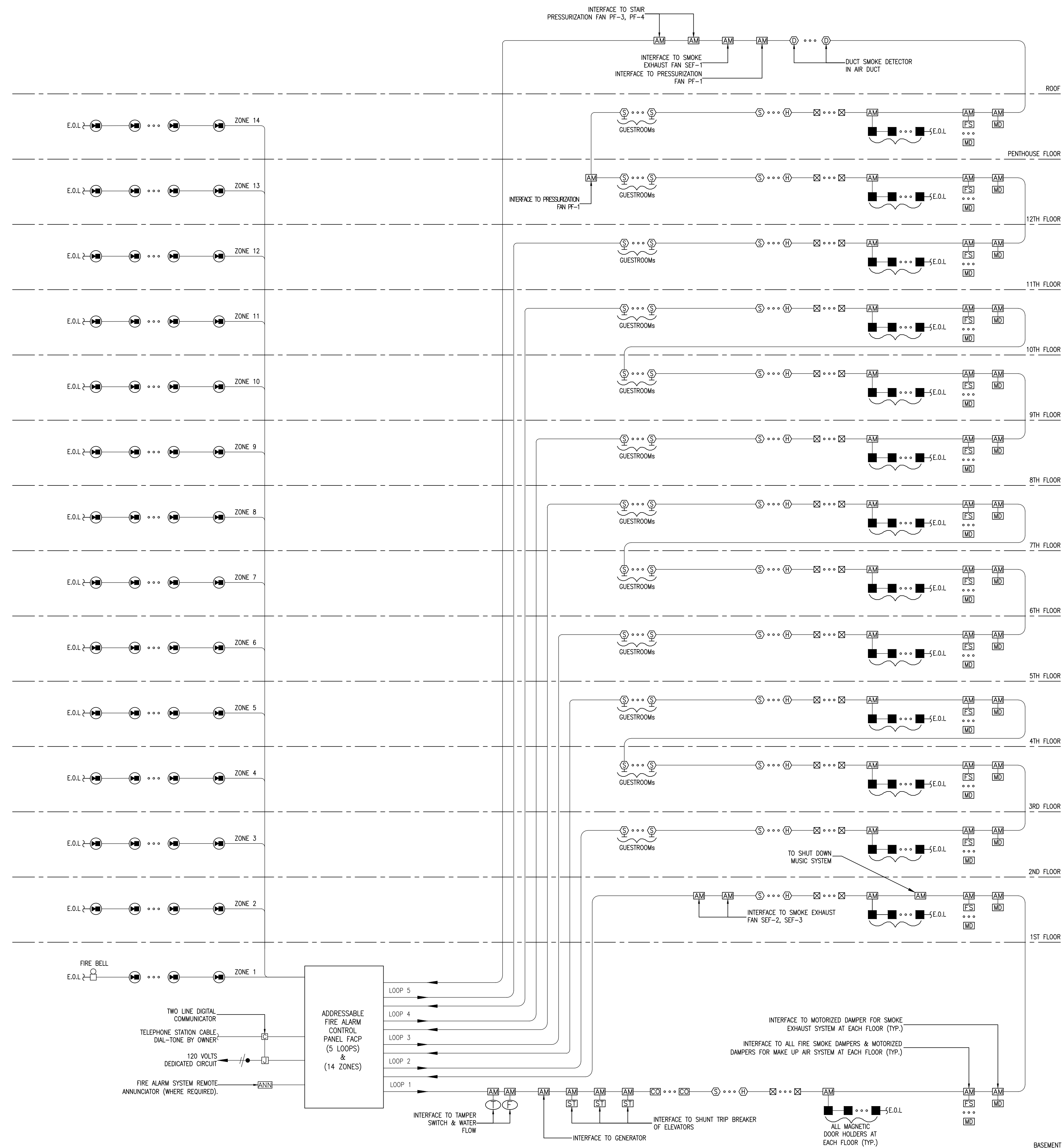
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

TYPICAL GUESTROOM
PLAN

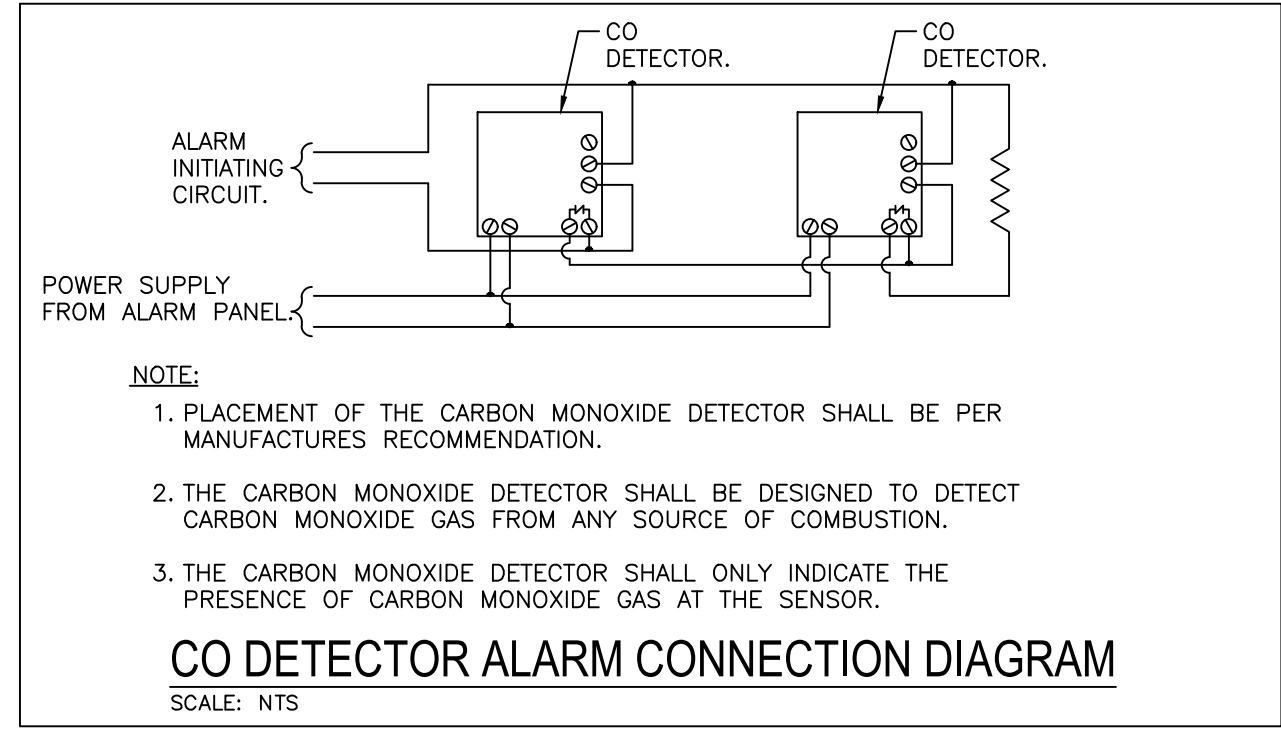
SHEET E4.3

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FIRE ALARM ONE LINE DIAGRAM
SCALE: NTS

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE 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
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
☐	SPECIAL DEVICE (AS NOTED)	
☒	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
☒	FLOW SWITCH (SPRINKLER)	
☒	TAMPER SWITCH (SPRINKLER)	
Ⓢ	ADDRESSABLE SMOKE DETECTOR	WALL
☐ CO	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒	FIREMAN'S PHONE	WALL - 48" AFF.
☒	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒	ADDRESSABLE ANNUNCIATOR PANEL	
☒	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
♿	INDICATES HEARING IMPAIRED SUITE	
☒	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒	DURESS ALARM	
☒	SOUND CABINET	
☒	VOLUME CONTROL	
☒	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
AM	ADDRESSABLE MODULE	
MD	CONNECTION TO MOTORIZED DAMPER	
FS	CONNECTION TO FIRE SMOKE DAMPER	
CR	CARD READER SYSTEM INTERFACE	
☒	SPEAKER STROBE	CEILING



FIRE ALARM/ DETECTION SYSTEM SEQUENCE OF OPERATION MATRIX		A	B	C	D	E	F	G	H	I	J	K	L	M
SYSTEM INPUT	SYSTEM OUTPUT	AUDIBLE ALARMS ACTIVATION	ACTIVATE STROBE	TRANSMIT ALARM TO REMOTE STATION (IF REQUIRED)	DISPLAY ALARM SIGNAL	DISPLAY TROUBLE SIGNAL	TRANSMIT SUPERVISORY SIGNAL	TRANSMIT TROUBLE SIGNAL	RECORD EVENT AT FACP	SHUNT-TRIP ELEVATOR POWER	ACTIVE OUTSIDE SPRINKLER FLOW BELL	SHUT DOWN MAU	ALLOW AUTOMATIC RESTART OF MAU	
		1. MANUAL FIRE ALARM PULL BOXES		X	X	X								
2. SMOKE DETECTOR		X	X	X										
3. HEAT DETECTOR		X	X	X										
4. DUCT DETECTOR						X	X	X					X	
5. SMOKE DETECTOR (FOR GUESTROOM)		X	X	X										
6. ELEVATOR SHAFT SMOKE DETECTOR		X	X	X							X	X		
7. ELEVATOR INTERFACE CIRCUIT SUPERVISORY						X	X	X						
8. FIRE SPRINKLER SYSTEM WATER FLOW		X	X	X							X	X		
9. FIRE SPRINKLER SYSTEM TAMPER SWITCH						X	X	X						
10. FIRE ALARM AC POWER FAILURE										X	*1	X		
11. FIRE ALARM LOW BATTERY						X	X	X						
12. FIRE ALARM OPEN CIRCUIT						X	X	X						
13. FIRE ALARM GROUND FAULT						X	X	X						
14. NOTIFICATION APPLIANCE CIRCUIT FAULT						X	X	X						
15. FIRE ALARM PANEL CLEAR													X	

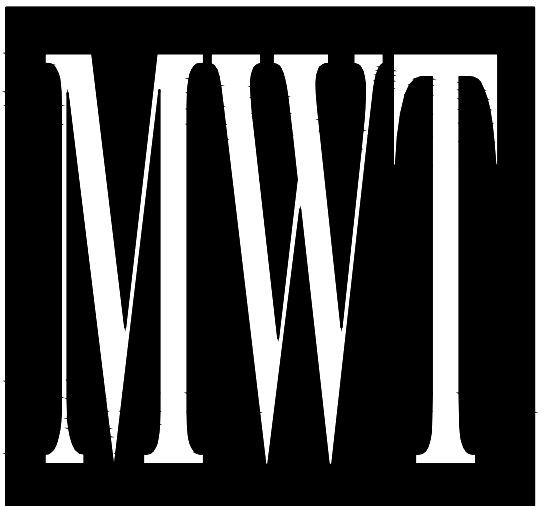
*1: TRANSMIT TROUBLE SIGNAL WHEN LOSS OF POWER EXCEEDS 2 HOURS

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6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL



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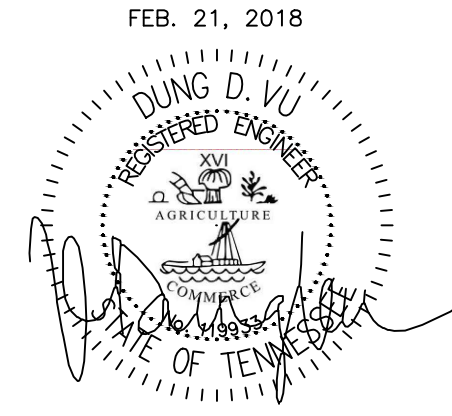
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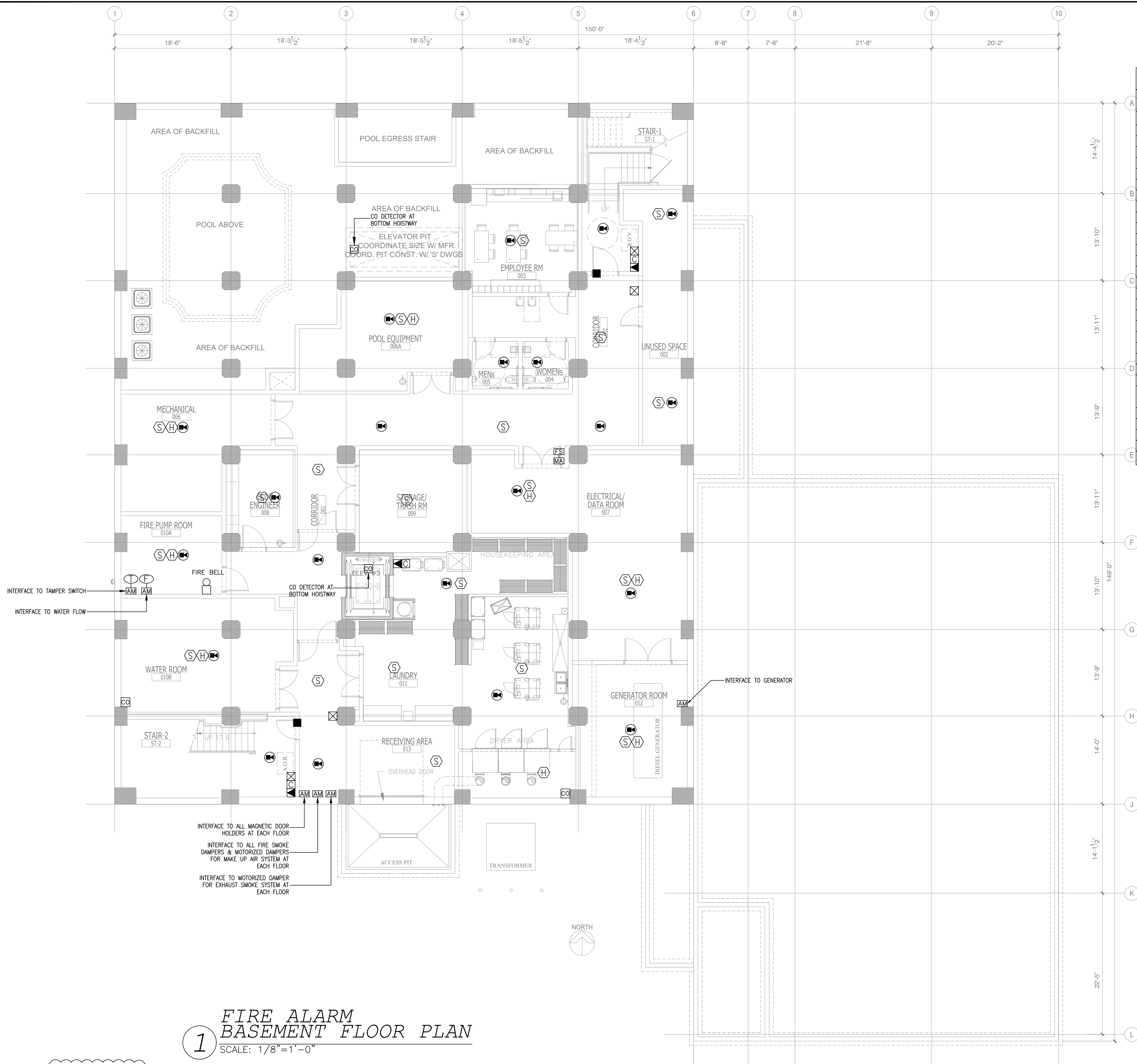
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
ONE LINE DIAGRAM

SHEET E5.0





FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE 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
☉	ADDRESSABLE SMOKE DETECTOR	CEILING
☉	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
☉	ADDRESSABLE HEAT DETECTOR	CEILING
☐	MAGNETIC DOOR HOLDER	WALL
☐	SPECIAL DEVICE (AS NOTED)	
☐	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
☐	FLOW SWITCH (SPRINKLER)	
☐	TAMPER SWITCH (SPRINKLER)	
☐☉	ADDRESSABLE SMOKE DETECTOR	WALL
☐☉	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☐	FIREMAN'S PHONE	WALL - 48" AFF.
☐	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☐	ADDRESSABLE ANNUNCIATOR PANEL	
☐	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
☐	INDICATES HANDICAP ACCESS SUITE	
☐	INDICATES HEARING IMPAIRED SUITE	
☐	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☐	DURESS ALARM	
☐	SOUND CABINET	
☐	VOLUME CONTROL	
☐	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☐	ADDRESSABLE MODULE	
☐	CONNECTION TO MOTORIZED DAMPER	
☐	CONNECTION TO FIRE SMOKE DAMPER	
☐	CARD READER SYSTEM INTERFACE	
☐	SPEAKER STROBE	CEILING

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

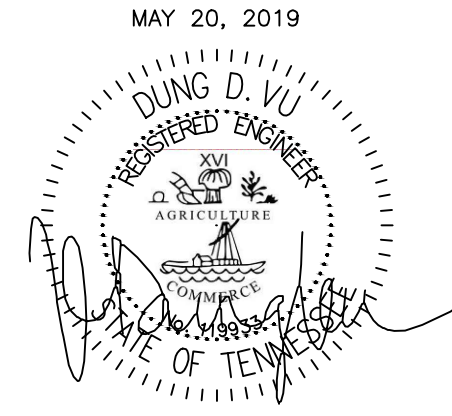
NOTE:
• NEW BACKGROUND

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7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
9	THIRD PARTY REVIEW	02/05/19	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL



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MAY 20, 2019

ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM BASEMENT FLOOR PLAN

SHEET **E5.1**

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8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
⊠	ADDRESSABLE FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF
⊠-H	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF
⊠-C	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF
⊠-S	STROBE LIGHT	WALL - 6"-8" AFF
⊠	FIRE BELL	WALL
⊠	ADDRESSABLE SMOKE DETECTOR	CEILING
⊠	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
⊠	ADDRESSABLE HEAT DETECTOR	CEILING
⊠	MAGNETIC DOOR HOLDER	WALL
⊠	SPECIAL DEVICE (AS NOTED)	
⊠	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
⊠	FLOW SWITCH (SPRINKLER)	
⊠	TAMPER SWITCH (SPRINKLER)	
⊠	ADDRESSABLE SMOKE DETECTOR	WALL
⊠ CO	ADDRESSABLE CARBON MONOXIDE DETECTOR	
⊠	FIREMAN'S PHONE	WALL - 48" AFF.
⊠	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
⊠	ADDRESSABLE ANNUNCIATOR PANEL	
⊠	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
⊠	INDICATES HANDICAP ACCESS SUITE	
⊠	INDICATES HEARING IMPAIRED SUITE	
⊠	CEILING MOUNTED SOUND SYSTEM SPEAKER	
⊠	DURESS ALARM	
⊠	SOUND CABINET	
⊠	VOLUME CONTROL	
⊠	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
⊠	ADDRESSABLE MODULE	
⊠	CONNECTION TO MOTORIZED DAMPER	
⊠	CONNECTION TO FIRE SMOKE DAMPER	
⊠	CARD READER SYSTEM INTERFACE	
⊠	SPEAKER STROBE	CEILING



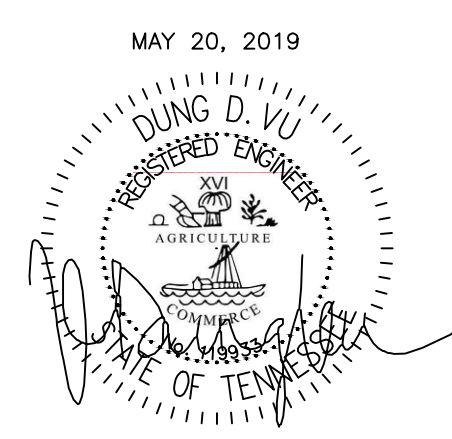
1 FIRE ALARM FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND



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WARNING
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MAY 20, 2019

ALOFT
MEMPHIS
DOWNTOWN

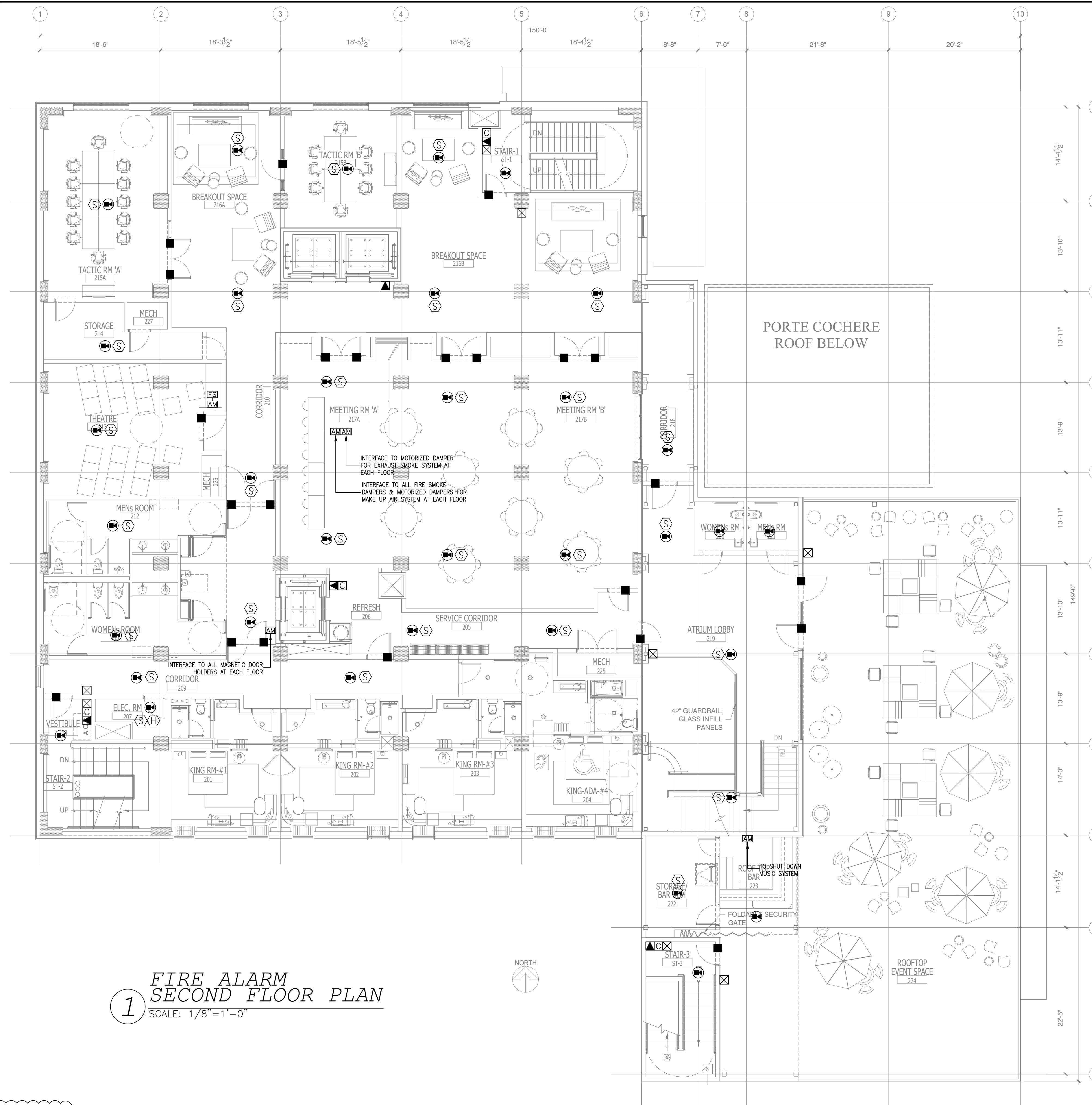
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
FIRST FLOOR PLAN

SHEET E5.2

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)
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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBLEMMENTS, DIMENSIONERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BELLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
⊠	ADDRESSABLE 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
⊠	ADDRESSABLE SMOKE DETECTOR	CEILING
⊠	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
⊠	ADDRESSABLE HEAT DETECTOR	CEILING
⊠	MAGNETIC DOOR HOLDER	WALL
⊠	SPECIAL DEVICE (AS NOTED)	
⊠	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
⊠	FLOW SWITCH (SPRINKLER)	
⊠	TAMPER SWITCH (SPRINKLER)	
⊠	ADDRESSABLE SMOKE DETECTOR	WALL
⊠	ADDRESSABLE CARBON MONOXIDE DETECTOR	
⊠	FIREMAN'S PHONE	WALL - 48" AFF.
⊠	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
⊠	ADDRESSABLE ANNUNCIATOR PANEL	
⊠	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
⊠	INDICATES HANDICAP ACCESS SUITE	
⊠	INDICATES HEARING IMPAIRED SUITE	
⊠	CEILING MOUNTED SOUND SYSTEM SPEAKER	
⊠	DURESS ALARM	
⊠	SOUND CABINET	
⊠	VOLUME CONTROL	
⊠	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
⊠	ADDRESSABLE MODULE	
⊠	CONNECTION TO MOTORIZED DAMPER	
⊠	CONNECTION TO FIRE SMOKE DAMPER	
⊠	CARD READER SYSTEM INTERFACE	
⊠	SPEAKER STROBE	CEILING

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

NOTE:
• NEW BACKGROUND

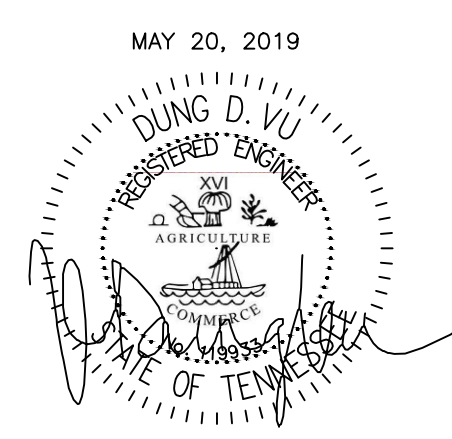
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10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL



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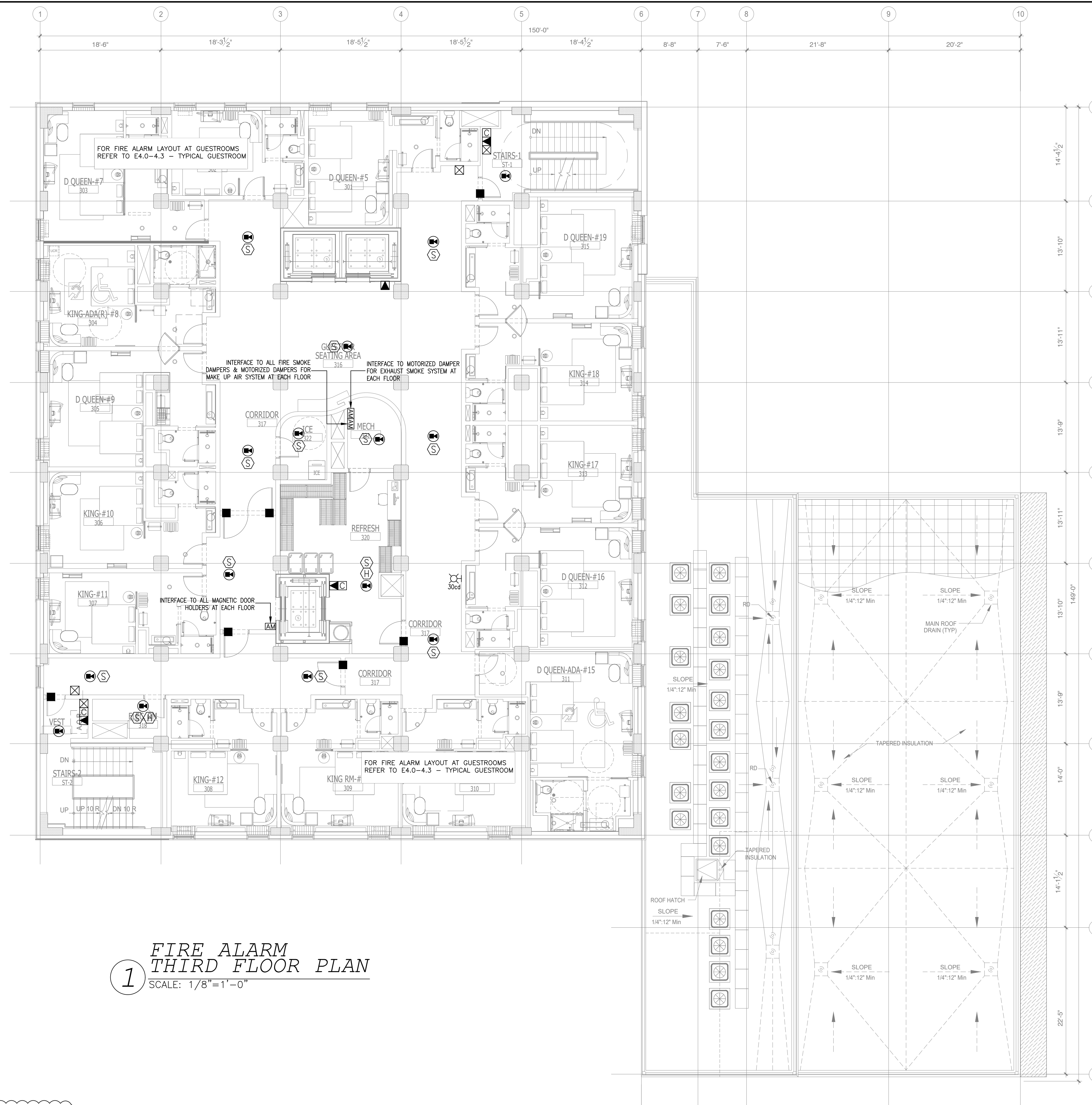


ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM SECOND FLOOR PLAN

SHEET **E5.3**



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

NOTE:
• NEW BACKGROUND

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
⊠	ADDRESSABLE 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
⊠	ADDRESSABLE SMOKE DETECTOR	CEILING
⊠	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
⊠	ADDRESSABLE HEAT DETECTOR	CEILING
⊠	MAGNETIC DOOR HOLDER	WALL
⊠	SPECIAL DEVICE (AS NOTED)	
⊠	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
⊠	FLOW SWITCH (SPRINKLER)	
⊠	TAMPER SWITCH (SPRINKLER)	
⊠	ADDRESSABLE SMOKE DETECTOR	WALL
⊠	ADDRESSABLE CARBON MONOXIDE DETECTOR	
⊠	FIREMAN'S PHONE	WALL - 48" AFF.
⊠	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
⊠	ADDRESSABLE ANNUNCIATOR PANEL	
⊠	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
⊠	INDICATES HANDICAP ACCESS SUITE	
⊠	INDICATES HEARING IMPAIRED SUITE	
⊠	CEILING MOUNTED SOUND SYSTEM SPEAKER	
⊠	DURESS ALARM	
⊠	SOUND CABINET	
⊠	VOLUME CONTROL	
⊠	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
⊠	ADDRESSABLE MODULE	
⊠	CONNECTION TO MOTORIZED DAMPER	
⊠	CONNECTION TO FIRE SMOKE DAMPER	
⊠	CARD READER SYSTEM INTERFACE	
⊠	SPEAKER STROBE	CEILING

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ALOFT
MEMPHIS
DOWNTOWN

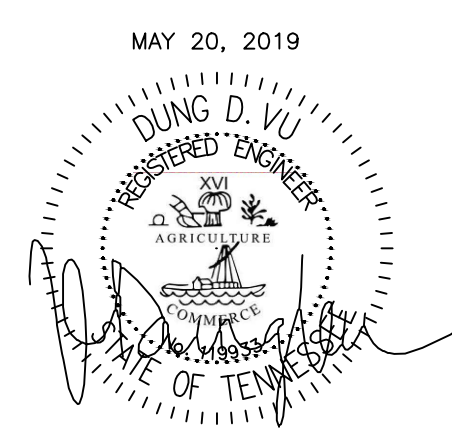
63 NORTH B.B. KING BLVD.
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PROJECT NO.: 16 006
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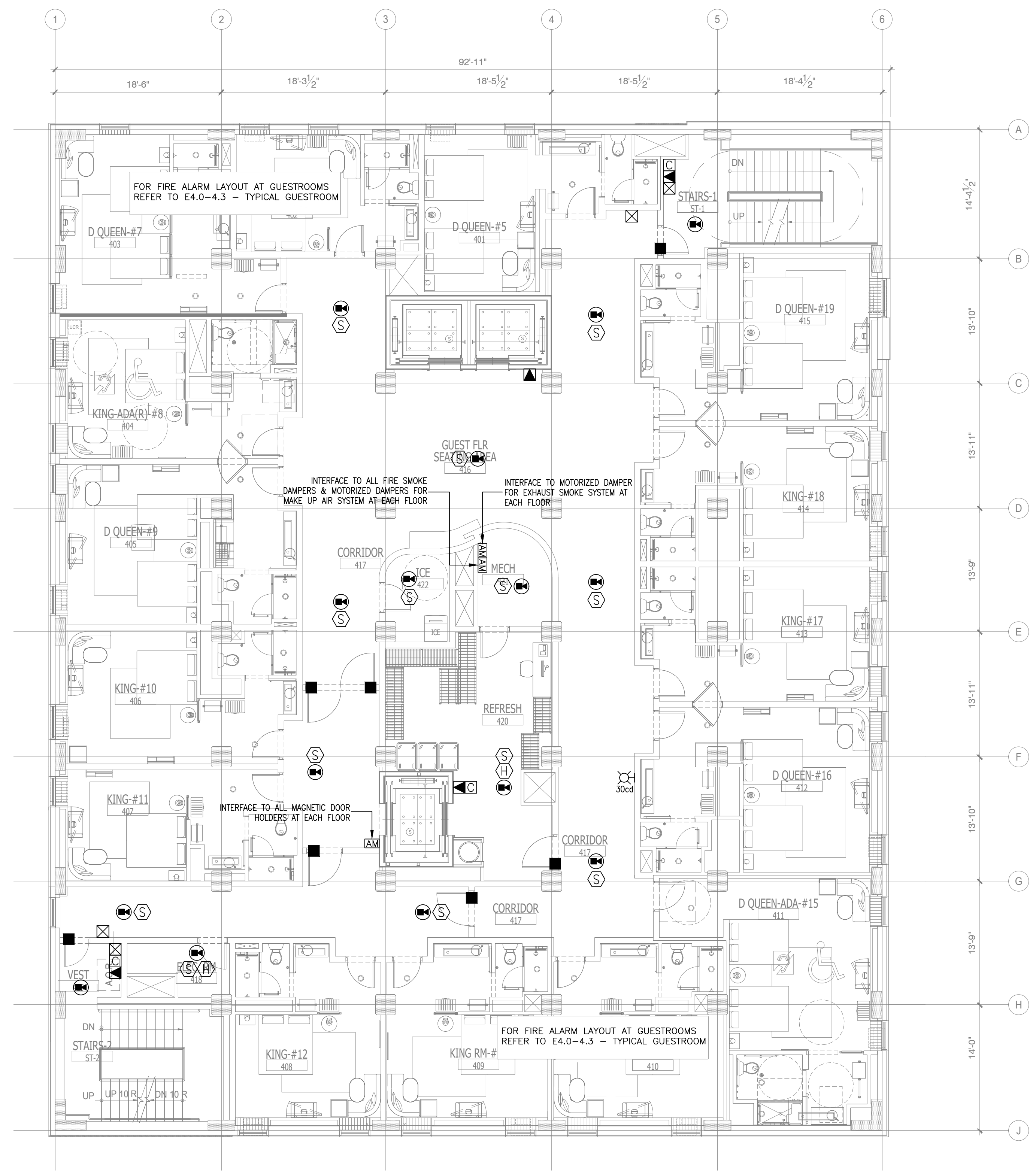
FIRE ALARM
THIRD FLOOR PLAN

SHEET E5.4

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MAY 20, 2019



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

NOTE:
• NEW BACKGROUND

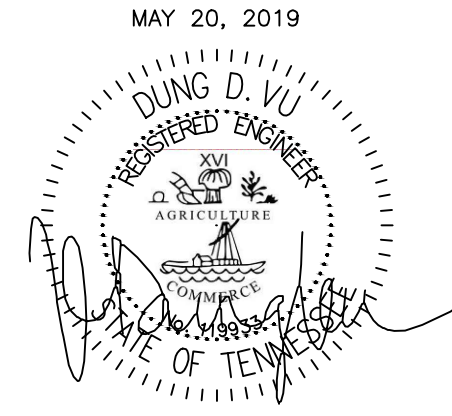
FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
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☒-3	STROBE LIGHT	WALL - 6"-8" AFF.
☒-4	FIRE BELL	WALL
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ-1	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ-2	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒-5	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
Ⓢ-3	FLOW SWITCH (SPRINKLER)	
Ⓢ-4	TAMPER SWITCH (SPRINKLER)	
Ⓢ-5	ADDRESSABLE SMOKE DETECTOR	WALL
☒-6	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒-7	FIREMAN'S PHONE	WALL - 48" AFF.
☒-8	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒-9	ADDRESSABLE ANNUNCIATOR PANEL	
☒-10	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
👂	INDICATES HEARING IMPAIRED SUITE	
☒-11	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒-12	DURESS ALARM	
☒-13	SOUND CABINET	
☒-14	VOLUME CONTROL	
☒-15	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☒-16	ADDRESSABLE MODULE	
☒-17	CONNECTION TO MOTORIZED DAMPER	
☒-18	CONNECTION TO FIRE SMOKE DAMPER	
☒-19	CARD READER SYSTEM INTERFACE	
☒-20	SPEAKER STROBE	CEILING

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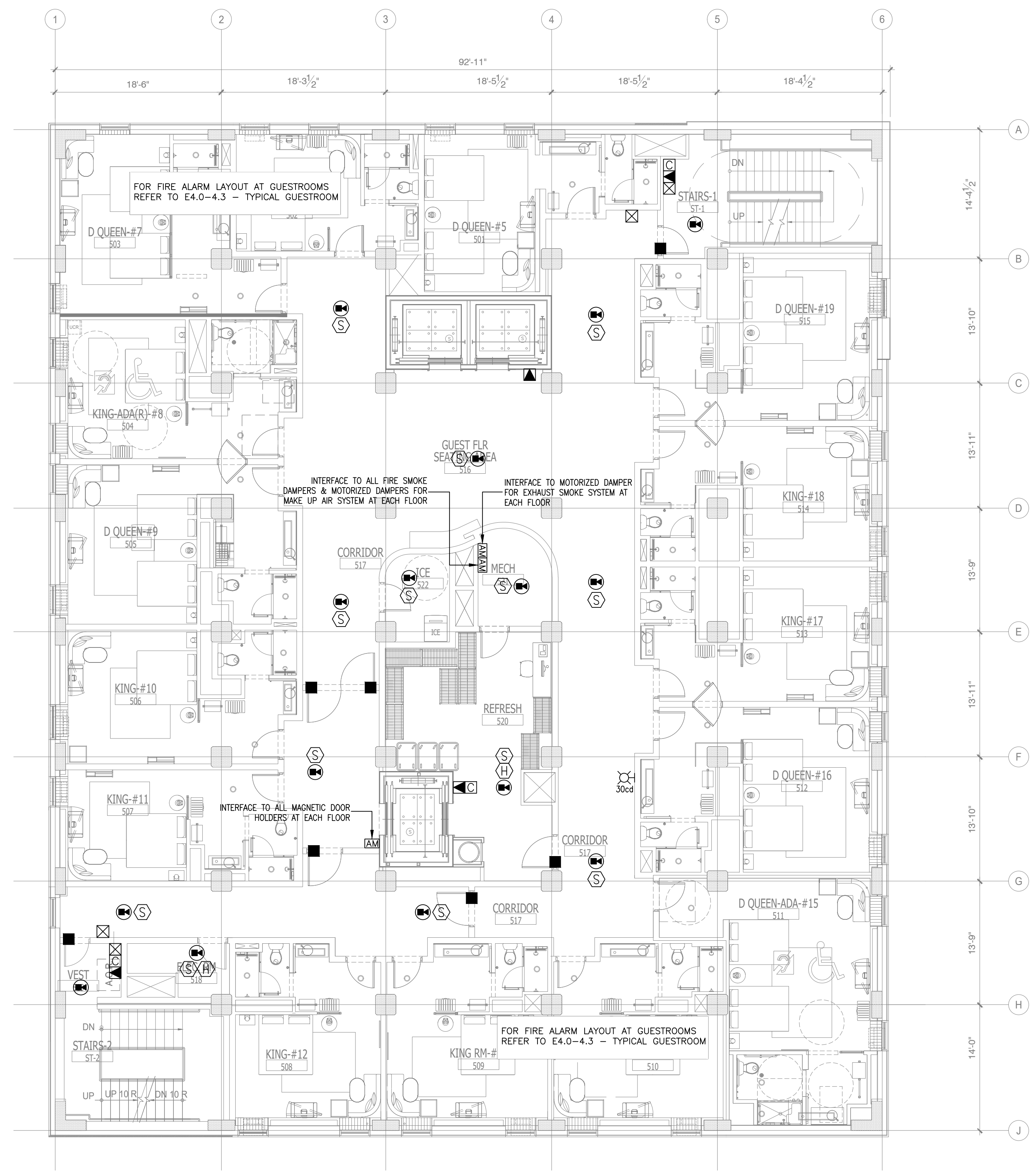
ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
FOURTH FLOOR PLAN

SHEET E5.5

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

NOTE:
• NEW BACKGROUND

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF.
☒-A	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF.
☒-B	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF.
☒-C	STROBE LIGHT	WALL - 6"-8" AFF.
☒-D	FIRE BELL	WALL
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ-D	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ-H	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
Ⓢ	FLOW SWITCH (SPRINKLER)	
Ⓢ	TAMPER SWITCH (SPRINKLER)	
Ⓢ-S	ADDRESSABLE SMOKE DETECTOR	WALL
☒-CO	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒	FIREMAN'S PHONE	WALL - 48" AFF.
☒	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒	ADDRESSABLE ANNUNCIATOR PANEL	
☒	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
♿	INDICATES HEARING IMPAIRED SUITE	
☒	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒	DURESS ALARM	
☒	SOUND CABINET	
☒	VOLUME CONTROL	
☒	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☒	ADDRESSABLE MODULE	
☒	CONNECTION TO MOTORIZED DAMPER	
☒	CONNECTION TO FIRE SMOKE DAMPER	
☒	CARD READER SYSTEM INTERFACE	
☒	SPEAKER STROBE	CEILING

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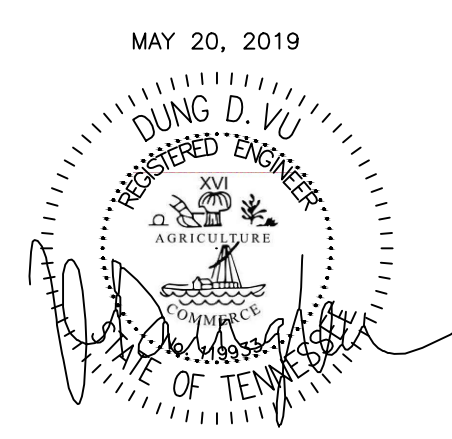
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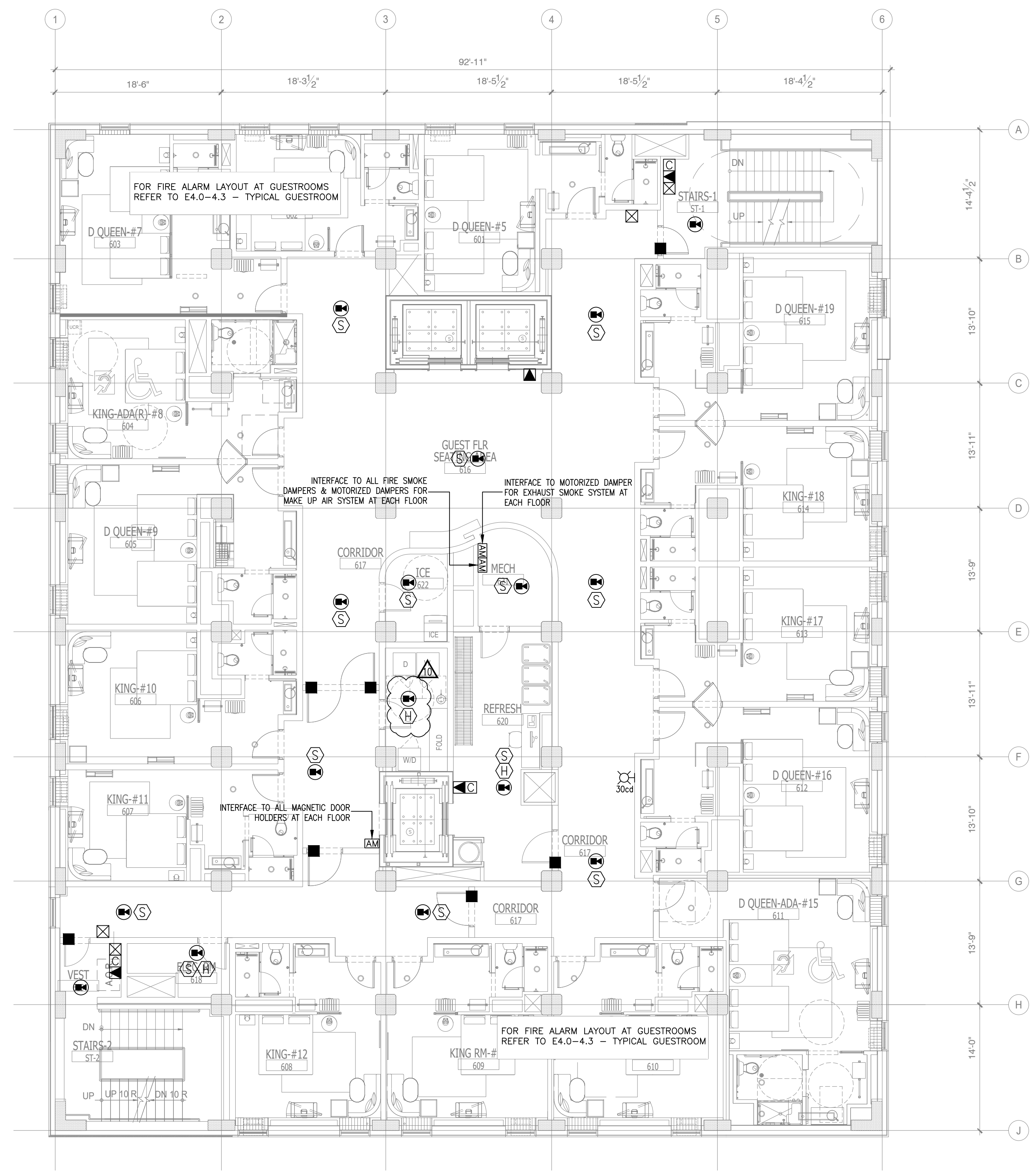
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CHKD. BY: DV

FIRE ALARM
FIFTH FLOOR PLAN

SHEET E5.6



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

NOTE:
• NEW BACKGROUND

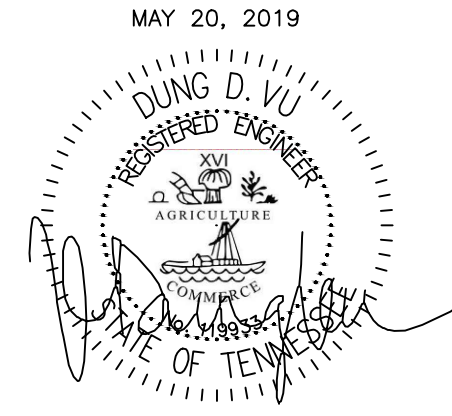
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☒-12	TAMPER SWITCH (SPRINKLER)	
☒-13	ADDRESSABLE SMOKE DETECTOR	WALL
☒-14	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒-15	FIREMAN'S PHONE	WALL - 48" AFF.
☒-16	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒-17	ADDRESSABLE ANNUCIATOR PANEL	
☒-18	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
☒-19	INDICATES HANDICAP ACCESS SUITE	
☒-20	INDICATES HEARING IMPAIRED SUITE	
☒-21	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒-22	DURESS ALARM	
☒-23	SOUND CABINET	
☒-24	VOLUME CONTROL	
☒-25	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☒-26	ADDRESSABLE MODULE	
☒-27	CONNECTION TO MOTORIZED DAMPER	
☒-28	CONNECTION TO FIRE SMOKE DAMPER	
☒-29	CARD READER SYSTEM INTERFACE	
☒-30	SPEAKER STROBE	CEILING

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MEMPHIS
DOWNTOWN

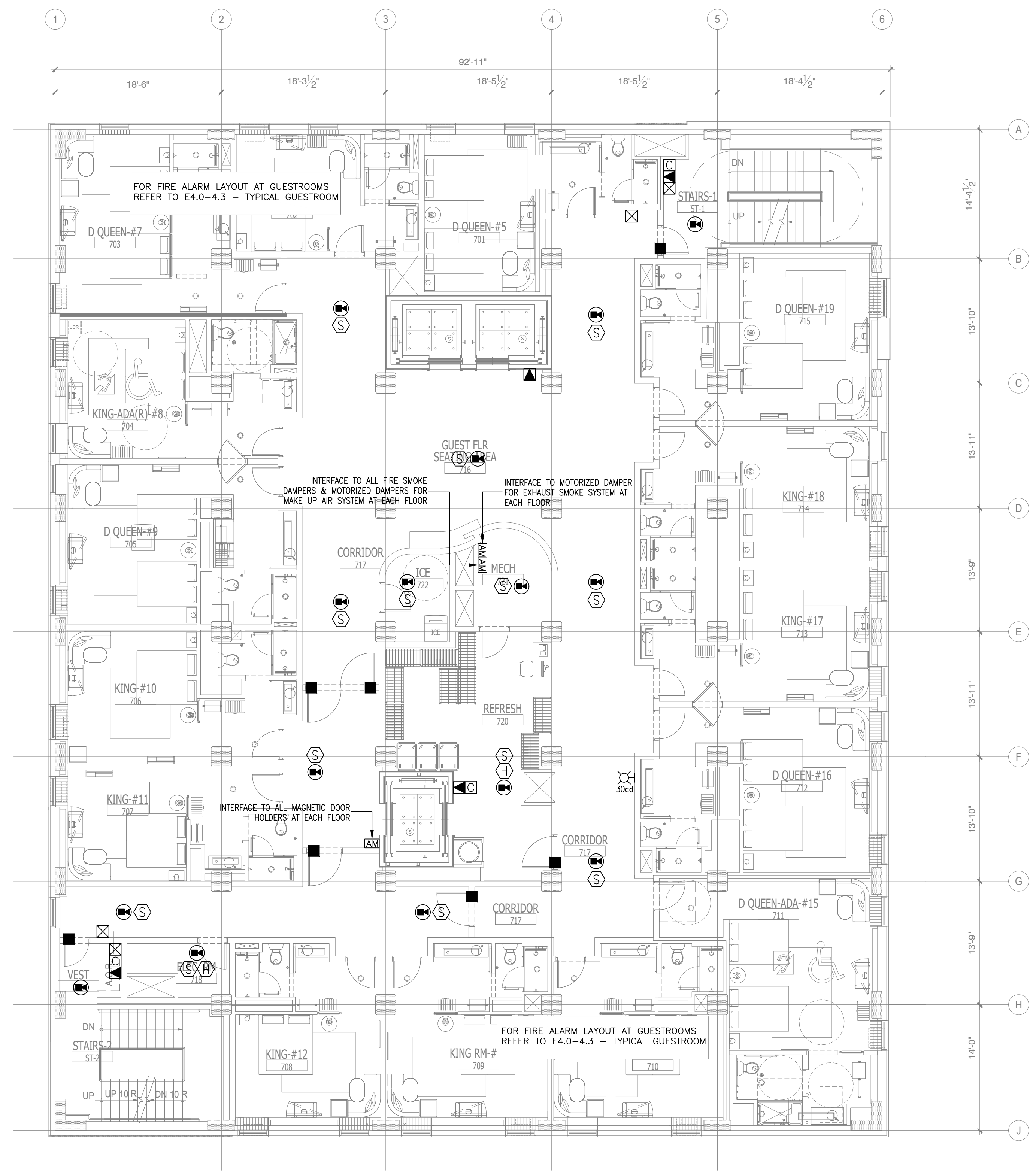
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
SIXTH FLOOR PLAN

SHEET E5.7

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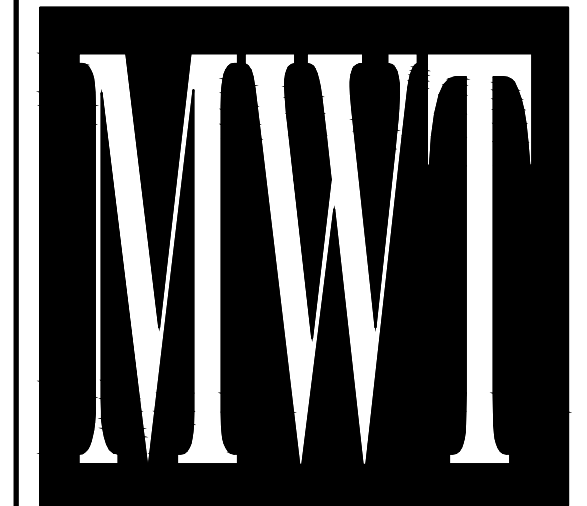


1 FIRE ALARM SEVENTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF.
☒-1	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF.
☒-2	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF.
☒-3	STROBE LIGHT	WALL - 6"-8" AFF.
☒-4	FIRE BELL	WALL
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ-1	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ-2	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒-5	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
Ⓢ-3	FLOW SWITCH (SPRINKLER)	
Ⓢ-4	TAMPER SWITCH (SPRINKLER)	
Ⓢ-5	ADDRESSABLE SMOKE DETECTOR	WALL
☒-6	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒-7	FIREMAN'S PHONE	WALL - 48" AFF.
☒-8	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒-9	ADDRESSABLE ANNUNCIATOR PANEL	
☒-10	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
👂	INDICATES HEARING IMPAIRED SUITE	
☒-11	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒-12	DURESS ALARM	
☒-13	SOUND CABINET	
☒-14	VOLUME CONTROL	
☒-15	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☒-16	ADDRESSABLE MODULE	
☒-17	CONNECTION TO MOTORIZED DAMPER	
☒-18	CONNECTION TO FIRE SMOKE DAMPER	
☒-19	CARD READER SYSTEM INTERFACE	
☒-20	SPEAKER STROBE	CEILING

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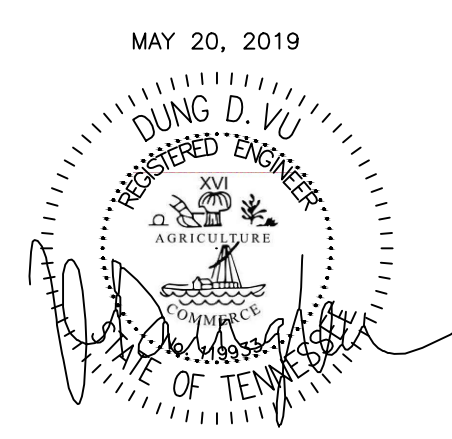
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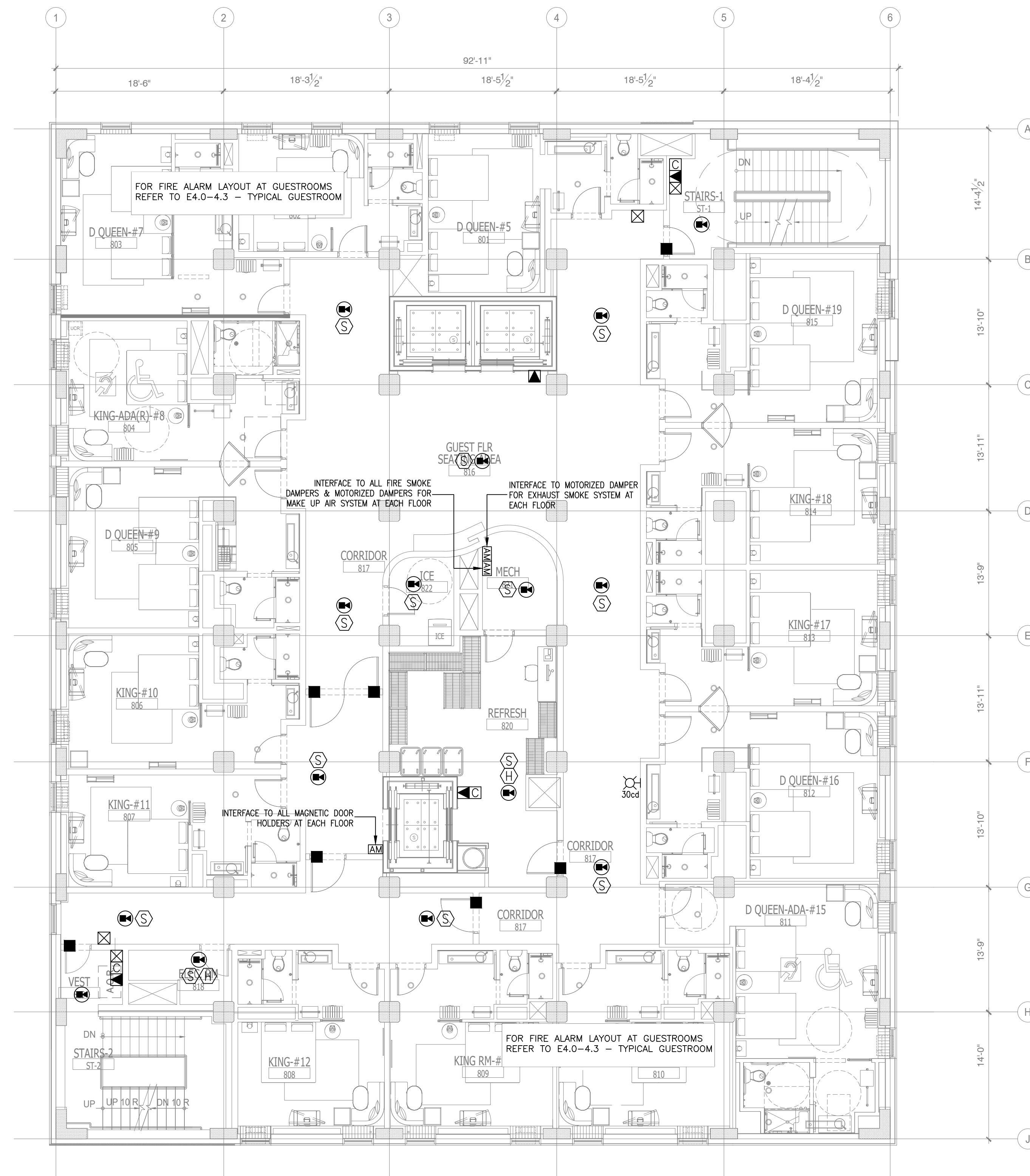
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DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
SEVENTH FLOOR PLAN

SHEET E5.8



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

NOTE:
• NEW BACKGROUND

FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF.
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☒-3	STROBE LIGHT	WALL - 6"-8" AFF.
☒-4	FIRE BELL	WALL
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ-1	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ-2	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒-5	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
Ⓢ-3	FLOW SWITCH (SPRINKLER)	
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Ⓢ-5	ADDRESSABLE SMOKE DETECTOR	WALL
☒-6	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒-7	FIREMAN'S PHONE	WALL - 48" AFF.
☒-8	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒-9	ADDRESSABLE ANNUNCIATOR PANEL	
☒-10	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
👂	INDICATES HEARING IMPAIRED SUITE	
☒-11	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒-12	DURESS ALARM	
☒-13	SOUND CABINET	
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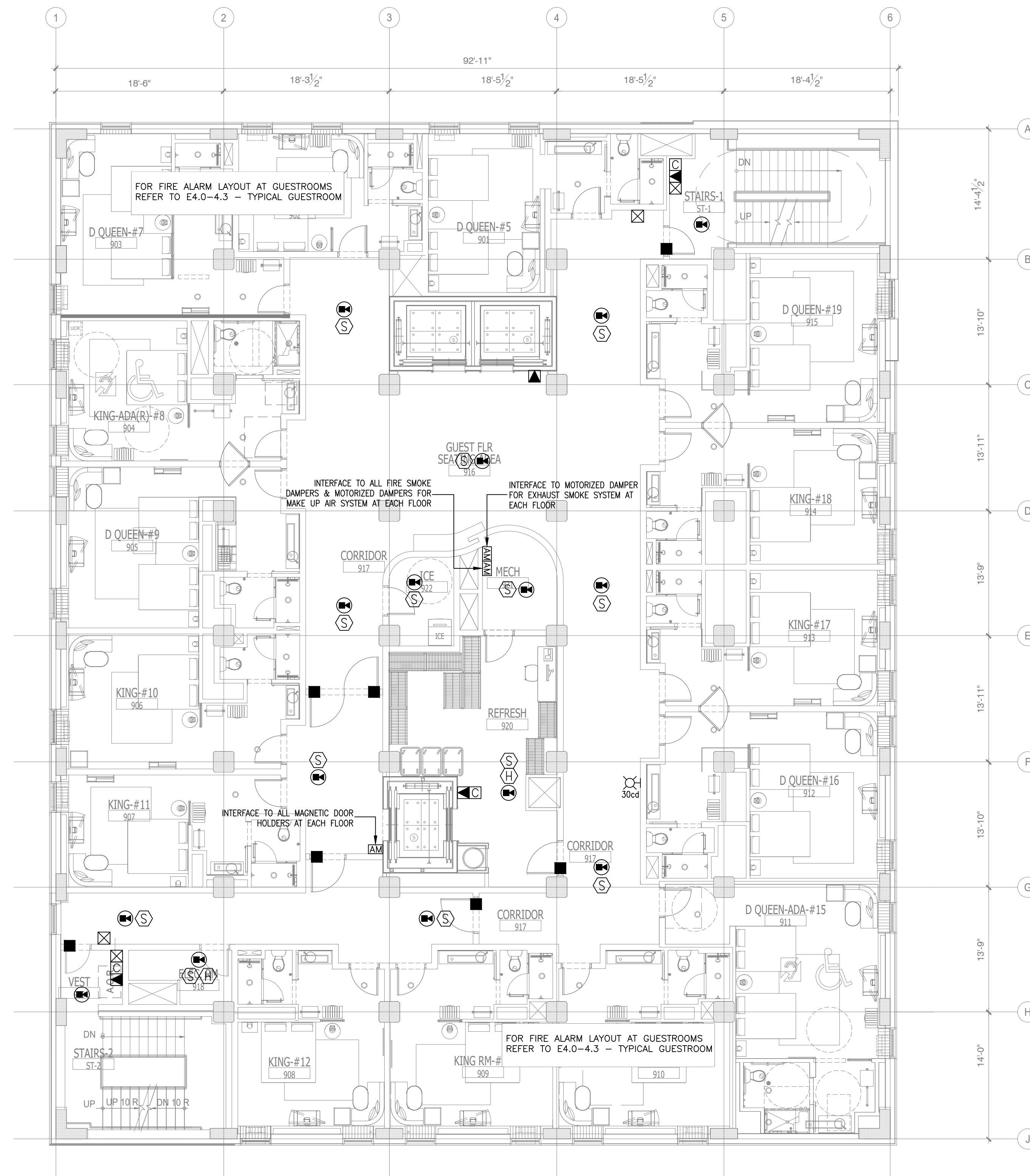
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
EIGHTH FLOOR PLAN

SHEET E5.9



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

NOTE:
• NEW BACKGROUND

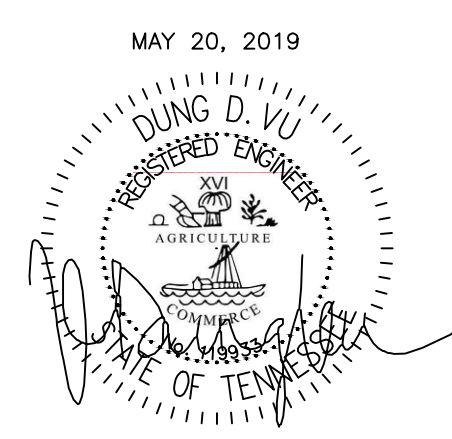
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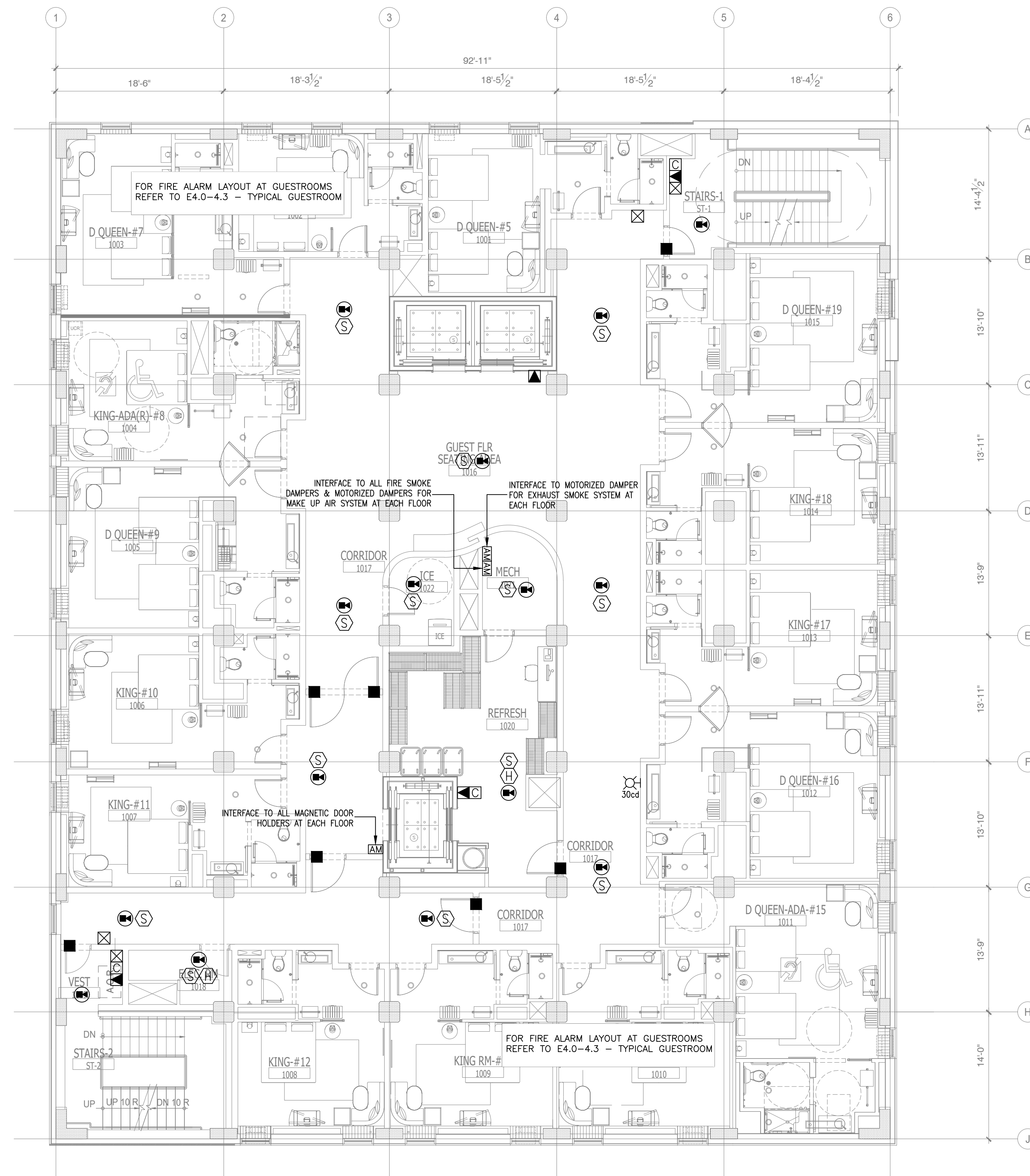
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CHKD. BY: DV

FIRE ALARM
NINTH FLOOR PLAN

SHEET E5.10

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

NOTE:
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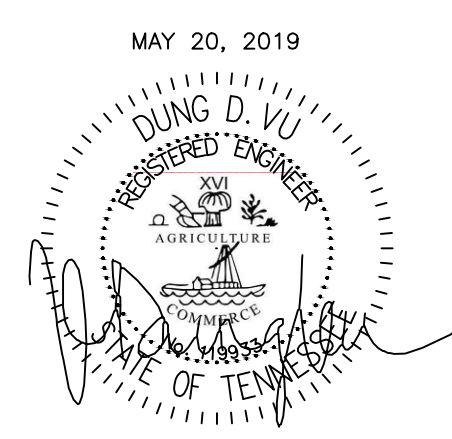
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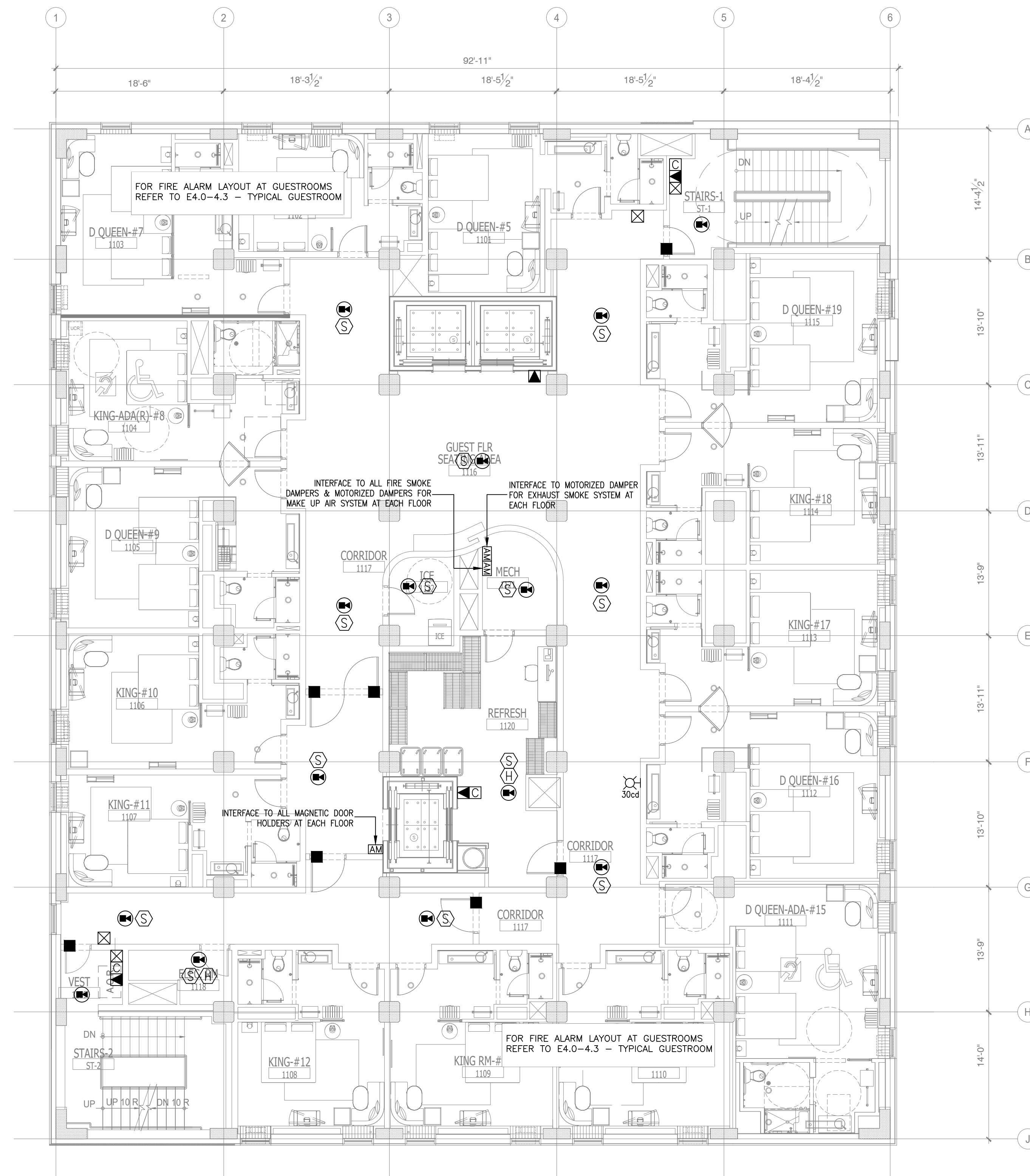
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PROJECT NO.: 16 006
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FIRE ALARM
TENTH FLOOR PLAN

SHEET E5.11

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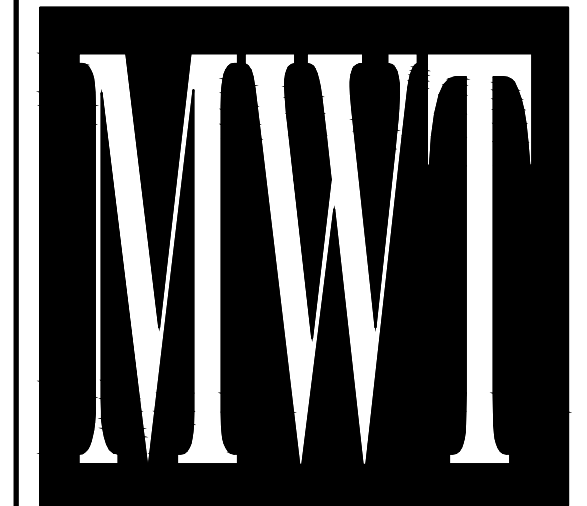


FIRE ALARM SYMBOL LIST		
SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
☒	ADDRESSABLE FIRE ALARM MANUAL PULL STATION	WALL - 48" AFF.
☒-1	GUESTROOM ANNUNCIATOR AUDIO/VISUAL	WALL - 6"-8" AFF.
☒-2	COMBINATION HORN/STROBE LIGHT	WALL - 6"-8" AFF.
☒-3	STROBE LIGHT	WALL - 6"-8" AFF.
☒-4	FIRE BELL	WALL
Ⓢ	ADDRESSABLE SMOKE DETECTOR	CEILING
Ⓢ-1	ADDRESSABLE DUCT DETECTOR	IN MECH. DUCT
Ⓢ-2	ADDRESSABLE HEAT DETECTOR	CEILING
■	MAGNETIC DOOR HOLDER	WALL
□	SPECIAL DEVICE (AS NOTED)	
☒-5	REMOTE INDICATOR FOR DUCT MOUNTED	CEILING
Ⓢ-3	FLOW SWITCH (SPRINKLER)	
Ⓢ-4	TAMPER SWITCH (SPRINKLER)	
Ⓢ-5	ADDRESSABLE SMOKE DETECTOR	WALL
☒-6	ADDRESSABLE CARBON MONOXIDE DETECTOR	
☒-7	FIREMAN'S PHONE	WALL - 48" AFF.
☒-8	2-WAY COMMUNICATION DEVICE	WALL - 48" AFF.
☒-9	ADDRESSABLE ANNUNCIATOR PANEL	
☒-10	ADDRESSABLE FIRE ALARM CONTROL PANEL (FACP)	
♿	INDICATES HANDICAP ACCESS SUITE	
👂	INDICATES HEARING IMPAIRED SUITE	
☒-11	CEILING MOUNTED SOUND SYSTEM SPEAKER	
☒-12	DURESS ALARM	
☒-13	SOUND CABINET	
☒-14	VOLUME CONTROL	
☒-15	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
☒-16	ADDRESSABLE MODULE	
☒-17	CONNECTION TO MOTORIZED DAMPER	
☒-18	CONNECTION TO FIRE SMOKE DAMPER	
☒-19	CARD READER SYSTEM INTERFACE	
☒-20	SPEAKER STROBE	CEILING

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

NOTE:
• NEW BACKGROUND



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ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

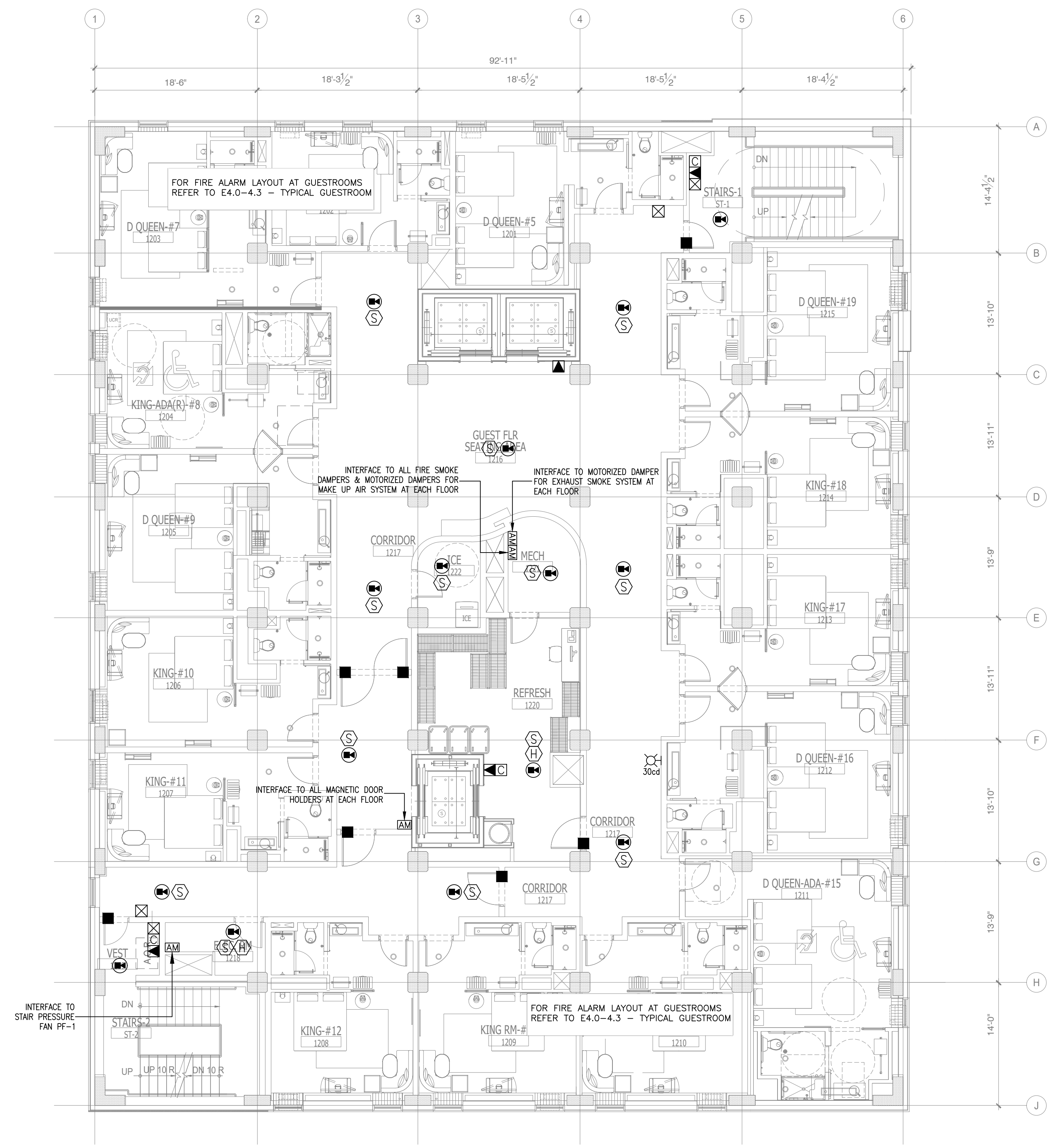
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

FIRE ALARM
ELEVENTH FLOOR
PLAN

SHEET E5.12



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

NOTE:
• NEW BACKGROUND

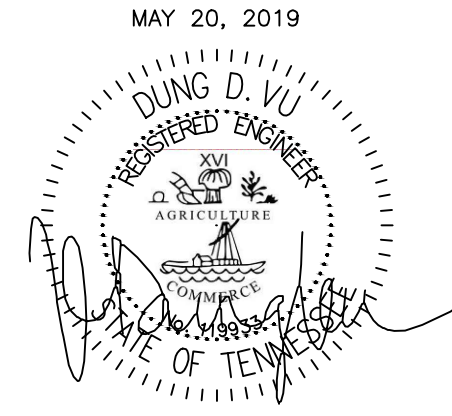
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MAY 20, 2019

**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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DRAWN BY: PL
CHKD. BY: DV

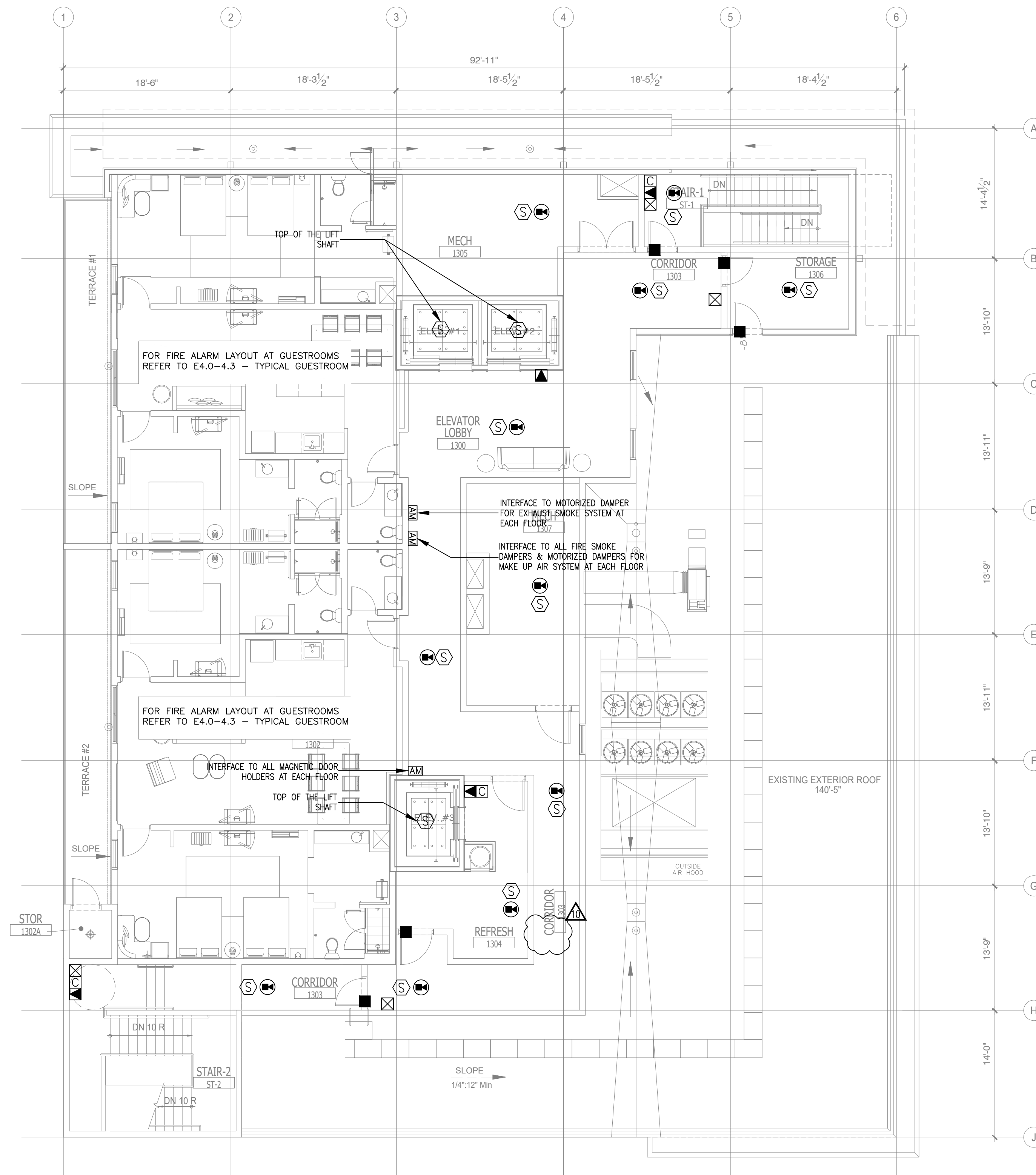
**FIRE ALARM
TWELFTH FLOOR PLAN**

SHEET **E5.13**

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

NOTE:
 • NEW BACKGROUND

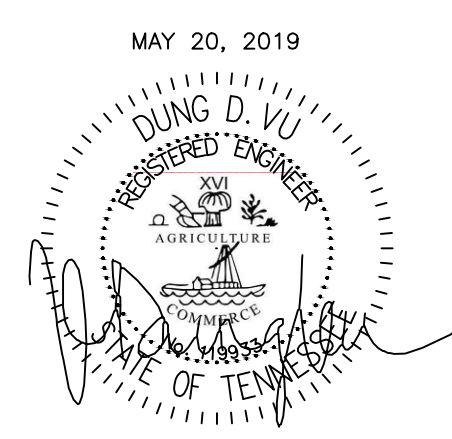
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⊠-24	VOLUME CONTROL	
⊠-25	MAGNETIC HOLD-OPEN DEVICE ACTIVATED BY FIRE ALARM SYSTEM	
⊠-26	ADDRESSABLE MODULE	
⊠-27	CONNECTION TO MOTORIZED DAMPER	
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ALOFT
 MEMPHIS
 DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 2-21-2018
 DRAWN BY: PL
 CHKD. BY: DV

FIRE ALARM
 PENTHOUSE FLOOR
 PLAN

SHEET E5.14

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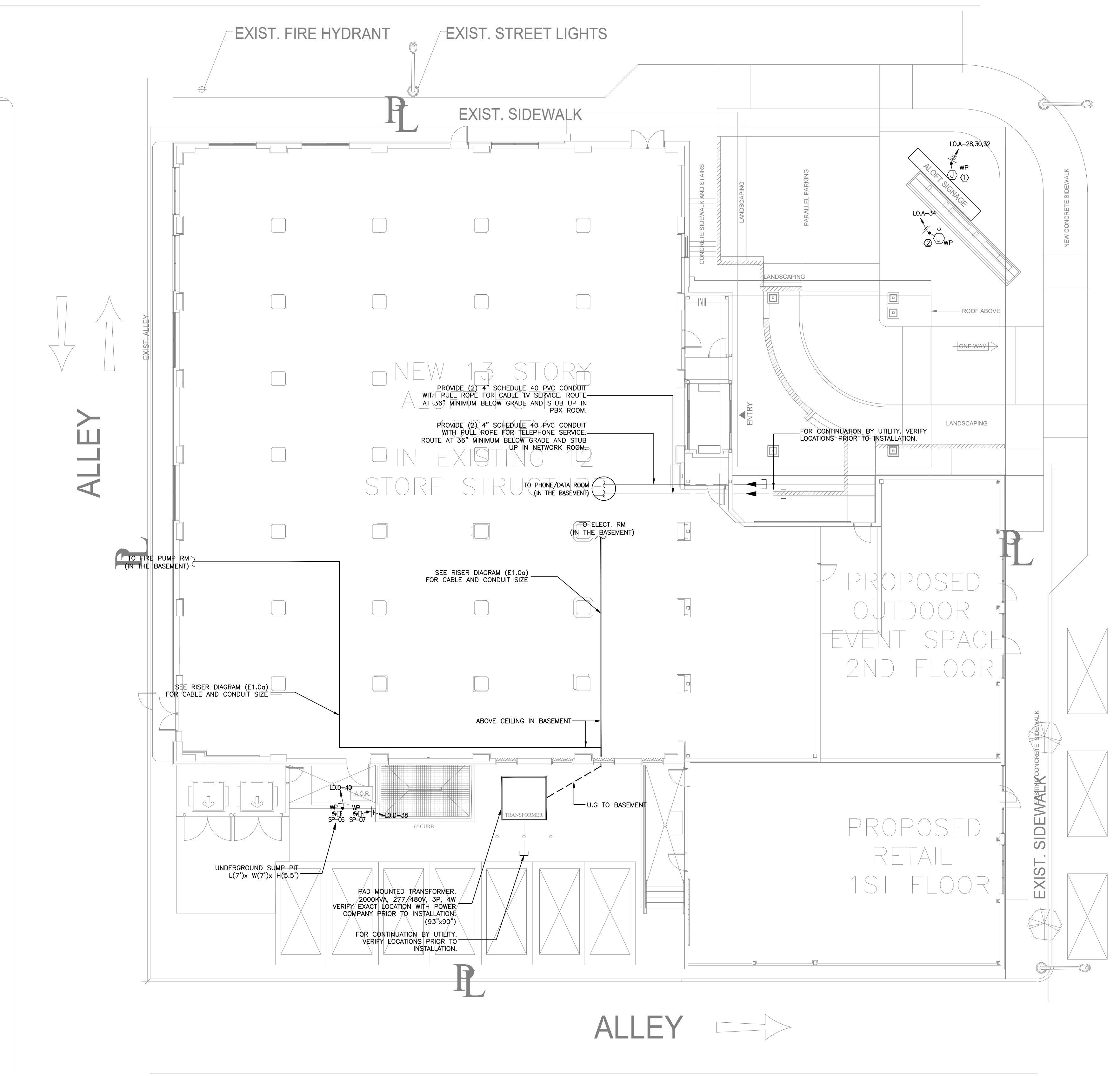
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KEY NOTES:

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

GENERAL SITE NOTES:

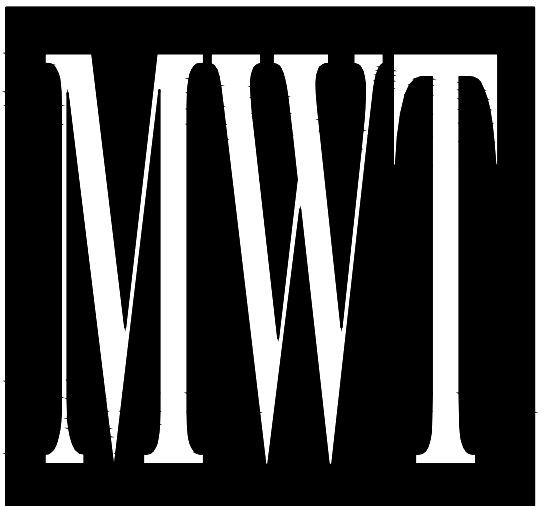
- PROVIDE METER AND CT'S PER UTILITY CO. SPECIFICATIONS.
- INSTALL PAD MOUNTED TRANSFORMER PER UTILITY CO. SPECIFICATIONS. COORDINATE ALL OTHER REQUIREMENTS WITH LOCAL UTILITY CO.
- CONTRACTOR SHALL PROVIDE 5" SCHEDULE 80 PVC CONDUITS WITH PULL ROPE AT A MINIMUM OF 30" BELOW GRADE. TERMINATE CONDUIT AT A LOCATION SPECIFIED BY UTILITY CO. COORDINATE ALL REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITY SERVICES TO THE BUILDING WITH THEIR RESPECTIVE PROVIDERS. FAILURE TO DO SO WILL NOT RESULT IN ANY EXTRA FINANCIAL COMPENSATION FROM THE OWNER. CONTRACTOR SHALL HAVE ALL UTILITY SERVICE REQUIREMENTS IN THE BASE BID.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BACK FILLING, TRENCHING AND SITE RESTORATION, THE SELECT BACKFILL MATERIAL MUST NOT CONTAIN ANY SHARP OR FOREIGN OBJECTS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE AS NECESSARY ALL UNDERGROUND LOCATIONS WITH OTHER TRADES PRIOR TO DIGGING BEING DONE.
- THE CONTRACTOR SHALL INCLUDE IN THE BID ALL ELECTRIC UTILITY FEES TO PROVIDE ELECTRICAL SERVICE TO THE PROJECT.



1 SITE PLAN
SCALE: 3/32" = 1'-0"

NOTE:
• NEW BACKGROUND

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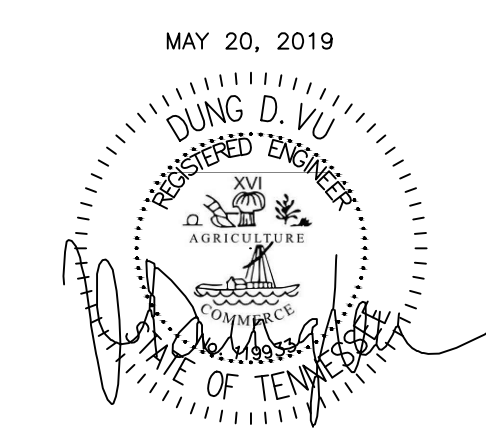
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**ALOFT
MEMPHIS
DOWNTOWN**
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

ELEC SITE PLAN

SHEET **E6.0**



PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN																																													
PROJECT NUMBER:		16 006																																													
PANEL:		L11 B																																													
VOLTAGE:		120/208V, 3PH, 4W																																													
NEMA-1		COPPER																																													
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																																													
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE																																			
0	12	1000	RCPTS/LTS	RM 1111	20/1	1	A	2	20/1	1234	12	0																																			
2	12	1000	REFRIG/MICRO	-	20/1	3	B	4	20/1	1234	12	0																																			
1	12	180	RCPT-VANITY	-	20/1	5	C	6	20/1	504	12	0																																			
0	12	1000	RCPTS/LTS	RM 1112	20/1	7	A	8	20/1	1440	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	9	B	10	20/1	1440	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	1500	12	2																																			
0	12	1000	RCPTS/LTS	RM 1113	20/1	13	A	14	20/1	1500	12	2																																			
2	12	1000	REFRIG/MICRO	-	20/1	15	B	16	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	1500	12	1																																			
0	12	1000	RCPTS/LTS	RM 1114	20/1	19	A	20	20/1	1500	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	21	B	22	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	1500	12	1																																			
0	12	1000	RCPTS/LTS	RM 1115	20/1	25	A	26	20/1	1500	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	27	B	28	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1	1500	12	1																																			
			SPARE	-	20/1	31	A	32	20/1	1500	12	1																																			
				-	20/1	33	B	34	20/1																																						
				-	20/1	35	C	36	20/1																																						
				-	20/1	37	A	38	20/1																																						
				-	20/1	39	B	40	20/1																																						
				-	20/1	41	C	42	20/1																																						
				LIGHTS		RECEP		EQUIP		MOTORS		EL HEAT		PHASE		F.T.L.		PHASE		CONN.KVA		LOAD FACTORS		DES. KVA		DES. AMP																					
				6233.5		2940		1500		0		0		A				A		10.6735		LIGHTS @ 125%		12.23		34																					
				0		0		200		15000		0		B				B		9.1735		EQUIP @ 100%		9.48		26																					
				0		0		750		13500		0		C				C		4.404		LG. MOTOR @ 125%		4.53		13																					
				0		0		950		45000		0		TOTAL				TOTAL		24.251		RECEPS @ 10KW+50%		26.24		73																					
																						GRAND TOTAL		26.24		72.8																					

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN																																													
PROJECT NUMBER:		16 006																																													
PANEL:		L10 B																																													
VOLTAGE:		120/208V, 3PH, 4W																																													
NEMA-1		COPPER																																													
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																																													
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE																																			
0	12	1000	RCPTS/LTS	RM 1011	20/1	1	A	2	20/1	1234	12	0																																			
2	12	1000	REFRIG/MICRO	-	20/1	3	B	4	20/1	1234	12	0																																			
1	12	180	RCPT-VANITY	-	20/1	5	C	6	20/1	504	12	0																																			
0	12	1000	RCPTS/LTS	RM 1012	20/1	7	A	8	20/1	1440	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	9	B	10	20/1	1440	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	1500	12	2																																			
0	12	1000	RCPTS/LTS	RM 1013	20/1	13	A	14	20/1	1500	12	2																																			
2	12	1000	REFRIG/MICRO	-	20/1	15	B	16	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	1500	12	1																																			
0	12	1000	RCPTS/LTS	RM 1014	20/1	19	A	20	20/1	1500	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	21	B	22	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	1500	12	1																																			
0	12	1000	RCPTS/LTS	RM 1015	20/1	25	A	26	20/1	1500	12	1																																			
2	12	1000	REFRIG/MICRO	-	20/1	27	B	28	20/1	1500	12	1																																			
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1	1500	12	1																																			
			SPARE	-	20/1	31	A	32	20/1	1500	12	1																																			
				-	20/1	33	B	34	20/1																																						
				-	20/1	35	C	36	20/1																																						
				-	20/1	37	A	38	20/1																																						
				-	20/1	39	B	40	20/1																																						
				-	20/1	41	C	42	20/1																																						
				LIGHTS		RECEP		EQUIP		MOTORS		EL HEAT		PHASE		F.T.L.		PHASE		CONN.KVA		LOAD FACTORS		DES. KVA		DES. AMP																					
				6233.5		2940		1500		0		0		A				A		10.6735		LIGHTS @ 125%		12.23		34																					
				0		0		2000		15000		0		B				B		9.1735		EQUIP @ 100%		9.48		26																					
				0		0		750		13500		0		C				C		4.404		LG. MOTOR @ 125%		4.53		13																					
				0		0		950		45000		0		TOTAL				TOTAL		24.251		RECEPS @ 10KW+50%		26.24		73																					
																						GRAND TOTAL		26.24		72.8																					

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN																																													
PROJECT NUMBER:		16 006																																													
PANEL:		L11 C																																													
VOLTAGE:		120/208V, 3PH, 4W																																													
NEMA-1		COPPER																																													
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	1500	A/C-RM 1101	20/2	1	A	2	20/2	A/C-RM 1109	1500	12	3																																			
3	12	1500	-	20/2	3	B	4	20/2	A/C-RM 1102	1500	12	3																																			
3	12	1500	-	20/2	5	C	6	20/2	A/C-RM 1110	1500	12	3																																			
3	12	1500	-	20/2	7	A	8	20/2	A/C-RM 1111	1500	12	3																																			
3	12	1500	-	20/2	9	B	10	20/2	A/C-RM 1112	1500	12	3																																			
3	12	1500	-	20/2	11	C	12	20/2	A/C-RM 1113	1500	12	3																																			
3	12	1500	-	20/2	13	A	14	20/2	A/C-RM 1114	1500	12	3																																			
3	12	1500	-	20/2	15	B	16	20/2	A/C-RM 1115	1500	12	3																																			
3	12	1500	-	20/2	17	C	18	20/2	A/C-RM 1116	1500	12	3																																			
3	12	1500	-	20/2	19	A	20	20/2	A/C-RM 1117	1500	12	3																																			
3	12	1500	-	20/2	21	B	22	20/2	A/C-RM 1118	1500	12	3																																			
3	12	1500	-	20/2	23	C	24	20/2	A/C-RM 1119	1500	12	3																																			
3	12	1500	-	20/2	25	A	26	20/2	A/C-RM 1120	1500	12	3																																			
3	12	1500	-	20/2	27	B	28	20/2	A/C-RM 1121	1500	12	3																																			
3	12	1500	-	20/2	29	C	30	20/2	EF-10	750	12	2																																			
3	12	1500	-	20/2	31	A	32	20/1	SPARE																																						
3	12	1500	-	20/1	33	B	34	20/1																																							
3	12	1500	-	20/2	35	C	36	20/1																																							
3	12	1500	-	20/1	37	A	38	20/1																																							
3	12	1500	-	20/1	39	B	40	20/1																																							
2	12	200	EF-19	20/1	33	B	34	20/1																																							
			SPARE	20/2	35	C	36	20/1																																							
				20/1	37	A	38	20/1																																							
				20/1	39	B	40	20/1																																							
				20/1	41	C	42	20/1																																							
				LIGHTS		RECEP		EQUIP		MOTORS		EL HEAT		PHASE		F.T.L.		PHASE		CONN.KVA		LOAD FACTORS		DES. KVA		DES. AMP																					
				0		0		0		16500		0		A				A		16.5		LIGHTS @ 125%		16.5		46																					
				0		0		200		15000		0		B				B		15.2		EQUIP @ 100%		15.2		42																					
				0		0		750		13500		0		C				C		14.25		LG. MOTOR @ 125%		14.25		40																					
				0		0		950		45000		0		TOTAL				TOTAL		45.95		RECEPS @ 10KW+50%		45.95		127.5																					
																						GRAND TOTAL		45.95		127.5																					

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L10 C										
VOLTAGE:		120/208V, 3PH, 4W										
NEMA-1		COPPER										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	1500	A/C-RM 1001	20/2	1	A	2	20/2	A/C-RM 1009	1500	12	3
3	12	1500	-	20/2	3	B	4	20/2	A/C-RM 1010	1500	12	3
3	12	1500	-	20/2	5	C	6	20/2	A/C-RM 1011	1500	12	3
3	12	1500	-	20/2	7	A	8	20/2	A/C-RM 1012	1500	12	3
3	12	1500	-	20/2	9	B	10	20/2	A/C-RM 1013	1500		

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L8 B										
VOLTAGE:		120/208V, 3PH, 4W										
NEMA-1		COPPER										
A.I.C. RATING:		10 KA										
BUS:		125 AMP										
MANS:		125 AMP										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-9TH FLOOR										
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED												
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
0	12	1000	RCPTS/LTS	RM 911	1	A	2	20/1	LTS - CORRIDOR/LOBBY	1234	12	0
2	12	1000	REFRIGMICRO	-	3	B	4	20/1	LTS - CORRIDOR/LOBBY	1234	12	0
1	12	180	RCPT-VANITY	-	5	C	6	20/1	LTS - HOUSE KEEPNG	504	12	0
0	12	1000	RCPTS/LTS	RM 912	7	A	8	20/1	RCPTS -CORRIDOR/ELEC.	1440	12	1
2	12	1000	REFRIGMICRO	-	9	B	10	20/1	RCPTS -CORRIDOR / SEATING AREA/ HSKP	1620	12	1
1	12	180	RCPT-VANITY	-	11	C	12	20/1	VENDING	1500	12	2
0	12	1000	RCPTS/LTS	RM 913	13	A	14	20/1	I/C MACHINE	1500	12	2
2	12	1000	REFRIGMICRO	-	15	B	16	20/1	TEL/DATA CABINET	1500	12	1
1	12	180	RCPT-VANITY	-	17	C	18	20/1	TEL/DATA CABINET	1500	12	1
0	12	1000	RCPTS/LTS	RM 914	19	A	20	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	21	B	22	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	23	C	24	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	RM 915	25	A	26	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	27	B	28	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	29	C	30	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	31	A	32	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	33	B	34	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	35	C	36	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	37	A	38	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	39	B	40	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	41	C	42	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	43	A	44	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	45	B	46	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	47	C	48	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	49	A	50	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	51	B	52	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	53	C	54	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	55	A	56	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	57	B	58	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	59	C	60	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	61	A	62	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	63	B	64	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	65	C	66	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	67	A	68	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	69	B	70	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	71	C	72	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	73	A	74	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	75	B	76	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	77	C	78	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	79	A	80	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	81	B	82	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	83	C	84	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	85	A	86	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	87	B	88	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	89	C	90	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	91	A	92	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	93	B	94	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	95	C	96	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	97	A	98	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	99	B	100	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	101	C	102	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	103	A	104	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	105	B	106	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	107	C	108	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	109	A	110	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	111	B	112	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	113	C	114	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	115	A	116	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	117	B	118	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	119	C	120	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	121	A	122	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	123	B	124	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	125	C	126	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	127	A	128	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	129	B	130	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	131	C	132	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	133	A	134	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	135	B	136	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	137	C	138	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	139	A	140	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	141	B	142	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	143	C	144	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	145	A	146	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	147	B	148	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	149	C	150	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	151	A	152	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	153	B	154	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	155	C	156	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	157	A	158	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	159	B	160	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	161	C	162	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	163	A	164	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	165	B	166	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	167	C	168	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	169	A	170	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	171	B	172	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	173	C	174	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	175	A	176	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	177	B	178	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	179	C	180	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	181	A	182	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	183	B	184	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	185	C	186	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	187	A	188	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	189	B	190	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	191	C	192	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	193	A	194	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	195	B	196	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	197	C	198	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	199	A	200	20/1	SPARE	1500	12	1
2	12	1000	REFRIGMICRO	-	201	B	202	20/1	SPARE	1500	12	1
1	12	180	RCPT-VANITY	-	203	C	204	20/1	SPARE	1500	12	1
0	12	1000	RCPTS/LTS	-	205	A	206	20/1	SPARE	1500	12	

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L6 B										
VOLTAGE:		120/208V, 3PH, 4W										
NEMA-1		COPPER										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED										
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
0	12	1000	RCPTS/LTS	RM 711	20/1	1	A	2	20/1	1234	12	0
2	12	1000	REFRIGMICRO	-	20/1	3	B	4	20/1	1234	12	0
1	12	180	RCPT-VANITY	-	20/1	5	C	6	20/1	504	12	0
0	12	1000	RCPTS/LTS	RM 712	20/1	7	A	8	20/1	1440	12	1
2	12	1000	REFRIGMICRO	-	20/1	9	B	10	20/1	1440	12	1
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	1500	12	2
0	12	1000	RCPTS/LTS	RM 713	20/1	13	A	14	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	15	B	16	20/1	1500	12	1
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	1500	12	1
0	12	1000	RCPTS/LTS	RM 714	20/1	19	A	20	20/1	1500	12	1
2	12	1000	REFRIGMICRO	-	20/1	21	B	22	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	1500	12	2
0	12	1000	RCPTS/LTS	RM 715	20/1	25	A	26	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	27	B	28	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1	1500	12	1
0	12	1000	RCPTS/LTS	-	20/1	31	A	32	20/1	1500	12	1
2	12	1000	REFRIGMICRO	-	20/1	33	B	34	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	35	C	36	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	37	A	38	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	39	B	40	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	41	C	42	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	43	A	44	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	45	B	46	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	47	C	48	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	49	A	50	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	51	B	52	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	53	C	54	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	55	A	56	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	57	B	58	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	59	C	60	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	61	A	62	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	63	B	64	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	65	C	66	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	67	A	68	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	69	B	70	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	71	C	72	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	73	A	74	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	75	B	76	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	77	C	78	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	79	A	80	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	81	B	82	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	83	C	84	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	85	A	86	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	87	B	88	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	89	C	90	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	91	A	92	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	93	B	94	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	95	C	96	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	97	A	98	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	99	B	100	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	101	C	102	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	103	A	104	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	105	B	106	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	107	C	108	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	109	A	110	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	111	B	112	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	113	C	114	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	115	A	116	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	117	B	118	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	119	C	120	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	121	A	122	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	123	B	124	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	125	C	126	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	127	A	128	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	129	B	130	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	131	C	132	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	133	A	134	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	135	B	136	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	137	C	138	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	139	A	140	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	141	B	142	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	143	C	144	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	145	A	146	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	147	B	148	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	149	C	150	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	151	A	152	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	153	B	154	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	155	C	156	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	157	A	158	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	159	B	160	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	161	C	162	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	163	A	164	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	165	B	166	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	167	C	168	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	169	A	170	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	171	B	172	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	173	C	174	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	175	A	176	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	177	B	178	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	179	C	180	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	181	A	182	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	183	B	184	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	185	C	186	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	187	A	188	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	189	B	190	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	191	C	192	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	193	A	194	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	195	B	196	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	197	C	198	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	199	A	200	20/1	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	201	B	202	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	203	C	204	20/1	1500	12	2
0	12	1000	RCPTS/LTS	-	20/1	205	A	206	20/1			

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L4.B										
VOLTAGE:		120/208V, 3PH, 4W										
A.I.C. RATING:		10 KA										
BUS:		125 AMP										
MANS:		M.C.B										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-5TH FLOOR										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED										
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
0	12	1000	RCPTS/LTS	RM 511	1	A	2	20/1	LTS - CORRIDOR/LOBBY	1234	12	0
2	12	1000	REFRIG/MICRO	-	20/1	3	B	4	20/1	1234	12	0
1	12	180	RCPT-VANITY	-	20/1	5	C	6	20/1	504	12	0
0	12	1000	RCPTS/LTS	RM 512	7	A	8	20/1	LTS - HOUSE KEEPING	504	12	0
2	12	1000	REFRIG/MICRO	-	20/1	9	B	10	20/1	1440	12	1
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	1440	12	1
0	12	1000	RCPTS/LTS	RM 513	13	A	14	20/1	RCPTS - CORRIDOR/ELEC.	1500	12	2
2	12	1000	REFRIG/MICRO	-	20/1	15	B	16	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	1500	12	1
0	12	1000	RCPTS/LTS	RM 514	19	A	20	20/1	TEL/DATA CABINET	1500	12	1
2	12	1000	REFRIG/MICRO	-	20/1	21	B	22	20/1	1500	12	1
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	1500	12	1
0	12	1000	RCPTS/LTS	RM 515	25	A	26	20/1	SPARE	1500	12	1
2	12	1000	REFRIG/MICRO	-	20/1	27	B	28	20/1	1500	12	1
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1	1500	12	1
			SPARE	-	20/1	31	A	32	20/1	1500	12	1
				-	20/1	33	B	34	20/1	1500	12	1
				-	20/1	35	C	36	20/1	1500	12	1
				-	20/1	37	A	38	20/1	1500	12	1
				-	20/1	39	B	40	20/1	1500	12	1
				-	20/1	41	C	42	20/1	1500	12	1
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP
6233.5	2940	1500	0	0	A			A	10.6735	LIGHTS @ 125%	12.23	34
1233.5	2940	1500	0	0	B			B	9.1735	EQUIP @ 100%	9.48	26
504	2400	1500	0	0	C			C	4.404	LG. MOTOR @ 125%	4.53	13
7971	8280	8000	0	0	TOTAL			TOTAL	24.251	RECEPS @ 10KW+50%	26.24	73
GRAND TOTAL											26.24	72.8

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L4.B										
VOLTAGE:		120/208V, 3PH, 4W										
A.I.C. RATING:		10 KA										
BUS:		125 AMP										
MANS:		M.C.B										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-4TH FLOOR										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED										
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
0	12	1000	RCPTS/LTS	RM 411	1	A	2	20/1	LTS - CORRIDOR/LOBBY	1234	12	0
2	12	1000	REFRIG/MICRO	-	20/1	3	B	4	20/1	1234	12	0
1	12	180	RCPT-VANITY	-	20/1	5	C	6	20/1	504	12	0
0	12	1000	RCPTS/LTS	RM 412	7	A	8	20/1	LTS - HOUSE KEEPING	504	12	0
2	12	1000	REFRIG/MICRO	-	20/1	9	B	10	20/1	1440	12	1
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	1440	12	1
0	12	1000	RCPTS/LTS	RM 413	13	A	14	20/1	RCPTS - CORRIDOR/ELEC.	1500	12	2
2	12	1000	REFRIG/MICRO	-	20/1	15	B	16	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	1500	12	2
0	12	1000	RCPTS/LTS	RM 414	19	A	20	20/1	TEL/DATA CABINET	1500	12	2
2	12	1000	REFRIG/MICRO	-	20/1	21	B	22	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	1500	12	2
0	12	1000	RCPTS/LTS	RM 415	25	A	26	20/1	SPARE	1500	12	2
2	12	1000	REFRIG/MICRO	-	20/1	27	B	28	20/1	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1	1500	12	2
			SPARE	-	20/1	31	A	32	20/1	1500	12	2
				-	20/1	33	B	34	20/1	1500	12	2
				-	20/1	35	C	36	20/1	1500	12	2
				-	20/1	37	A	38	20/1	1500	12	2
				-	20/1	39	B	40	20/1	1500	12	2
				-	20/1	41	C	42	20/1	1500	12	2
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP
6233.5	1440	3000	0	0	A			A	10.6735	LIGHTS @ 125%	12.23	34
1233.5	1440	6500	0	0	B			B	9.1735	EQUIP @ 100%	9.48	26
504	900	3000	0	0	C			C	4.404	LG. MOTOR @ 125%	4.53	13
7971	3780	12500	0	0	TOTAL			TOTAL	24.251	RECEPS @ 10KW+50%	26.24	73
GRAND TOTAL											26.24	72.8

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L5.C										
VOLTAGE:		120/208V, 3PH, 4W										
A.I.C. RATING:		22 KA										
BUS:		200 AMP										
MANS:		M.C.B										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-5TH FLOOR										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	1500	A/C-RM 501	20/2	1	A	2	20/2	A/C-RM 509	1500	12	3
3	12	1500	-	20/2	3	B	4	20/2	-	1500	12	3
3	12	1500	A/C-RM 502	20/2	5	C	6	20/2	A/C-RM 510	1500	12	3
3	12	1500	-	20/2	7	A	8	20/2	-	1500	12	3
3	12	1500	A/C-RM 503	20/2	9	B	10	20/2	A/C-RM 511	1500	12	3
3	12	1500	-	20/2	11	C	12	20/2	-	1500	12	3
3	12	1500	A/C-RM 504	20/2	13	A	14	20/2	A/C-RM 512	1500	12	3
3	12	1500	-	20/2	15	B	16	20/2	-	1500	12	3
3	12	1500	A/C-RM 505	20/2	17	C	18	20/2	A/C-RM 513	1500	12	3
3	12	1500	-	20/2	19	A	20	20/2	-	1500	12	3
3	12	1500	A/C-RM 506	20/2	21	B	22	20/2	A/C-RM 514	1500	12	3
3	12	1500	-	20/2	23	C	24	20/2	-	1500	12	3
3	12	1500	A/C-RM 507	20/2	25	A	26	20/2	A/C-RM 515	1500	12	3
3	12	1500	-	20/2	27	B	28	20/2	-	1500	12	3
3	12	1500	A/C-RM 508	20/2	29	C	30	20/1	EF-10	750	12	2
A	12	1500	-	20/2	31	A	32	20/1	SPARE	1500	12	3
2	12	200	EF-19	20/1	33	B	34	20/1	-	1500	12	3
			SPARE	20/1	35	C	36	20/1	-	1500	12	3
				20/1	37	A	38	20/1	-	1500	12	3
				20/1	39	B	40	20/1	-	1500	12	3
				20/1	41	C	42	20/1	-	1500	12	3
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP
0	0	0	0	16500	0	A		A	16.5	LIGHTS @ 125%	16.5	46
0	0	200	0	15000	0	B		B	15.2	EQUIP @ 100%	15.2	42
0	0	750	0	13500	0	C		C	14.25	LG. MOTOR @ 125%	14.25	40
0	0	950	0	45000	0	TOTAL		TOTAL	45.95	RECEPS @ 10KW+50%	45.95	128
GRAND TOTAL											45.95	127.5

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		L4.C										
VOLTAGE:		120/208V, 3PH, 4W										
A.I.C. RATING:		22 KA										
BUS:		200 AMP										
MANS:		M.C.B										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-4TH FLOOR										
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	1500	A/C-RM 401	20/2	1	A	2	20/2	A/C-RM 409	1500	12	3
3	12	1500	-	20/2	3	B	4	20/2	-	1500	12	3
3	12	1500	A/C-RM 402	20/2	5	C	6	20/2	A/C-RM 410	1500	12	3
3	12	1500	-	20/2	7	A	8	20/2	-	1500	12	3
3	12	1500	A/C-RM 403	20/2	9	B	10	20/2	A/C-RM 411	1500	12	3
3	12	1500	-	20/2	11	C	12	20/2	-	1500	12	3
3	12	1500	A/C-RM 404	20/2	13	A	14	20/2	A/C-RM 412	1500	12	3
3	12	1500	-	20/2	15	B	16	20/2	-	1500	12	3
3	12	1500	A/C-RM 405	20/2	17	C	18	20/2	A/C-RM 413	1500	12	3
3	12	1500	-	20/2	19	A	20	20/2	-	1500	12	3

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN		A.I.C RATING:		10 KA							
PROJECT NUMBER:		16 006		L2 B		MANS:		125 AMP		MOUNTING: SURFACE MOUNTED			
PANEL:		L2 B		BUS:		125 AMP		MOUNTING: SURFACE MOUNTED		LOCATION: ELEC-3RD FLOOR			
VOLTAGE:		120/208V, 3PH, 4W		NEMA-1		COPPER							
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED											
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE	
0	12	1000	RCPTS-LTS	20/1	1	A	2	20/1	LTS - CORRIDOR/LOBBY	1234	12	0	
2	12	1000	REFRIGMICRO	20/1	3	B	4	20/1	LTS - CORRIDOR/LOBBY	1234	12	0	
1	12	180	RCPT-VANITY	20/1	5	C	6	20/1	LTS - HOUSE KEEPING	504	12	0	
0	12	1000	RCPTS-LTS	RM 312	7	A	8	20/1	RCPTS - CORRIDOR/ELEC.	1440	12	1	
2	12	1000	REFRIGMICRO	-	20/1	9	B	10	20/1	RCPTS - CORRIDOR / SEATING AREA / HSKP	1620	12	1
1	12	180	RCPT-VANITY	-	20/1	11	C	12	20/1	VENDING	1500	12	2
0	12	1000	RCPTS-LTS	RM 313	20/1	13	A	14	20/1	K/E MACHINE	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	15	B	16	20/1	TEL/DATA CABINET	1500	12	2
1	12	180	RCPT-VANITY	-	20/1	17	C	18	20/1	SPARE	1500	12	2
0	12	1000	RCPTS-LTS	RM 314	20/1	19	A	20	20/1	RCPTS - LOWER ROOF	1500	12	2
2	12	1000	REFRIGMICRO	-	20/1	21	B	22	20/1	SPARE	1080	12	1
1	12	180	RCPT-VANITY	-	20/1	23	C	24	20/1	SPARE			
0	12	1000	RCPTS-LTS	RM 315	20/1	25	A	26	20/1				
2	12	1000	REFRIGMICRO	-	20/1	27	B	28	20/1				
1	12	180	RCPT-VANITY	-	20/1	29	C	30	20/1				
0	12	1000	RCPTS-LTS	-	20/1	31	A	32	20/1				
2	12	1000	REFRIGMICRO	-	20/1	33	B	34	20/1				
1	12	180	RCPT-VANITY	-	20/1	35	C	36	20/1				
			SPARE	-	20/1	37	A	38	20/1				
				-	20/1	39	B	40	20/1				
				-	20/1	41	C	42	20/1				
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP	
6233.5	1440	3000	0	0	A			A	10.6735	LIGHTS @ 125%	12.23	34	
1233.5	2700	6500	0	0	B			B	10.4335	EQUIP @ 100%	10.74	30	
504	900	3000	0	0	C			C	4.404	LG. MOTOR @ 125%	4.53	13	
7871	5040	12500	0	0	TOTAL			TOTAL	25.511	RECEPS @ 10KW+50%	27.50	76	
GRAND TOTAL											27.50	76.3	

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN		A.I.C RATING:		10 KA						
PROJECT NUMBER:		16 006		L2 B		MANS:		125 AMP		MOUNTING: SURFACE MOUNTED		
PANEL:		L2 B		BUS:		125 AMP		MOUNTING: SURFACE MOUNTED		LOCATION: ELEC-2ND FLOOR		
VOLTAGE:		120/208V, 3PH, 4W		NEMA-1		COPPER						
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED										
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
0	12	600	LTS - CORRIDOR	20/1	1	A	2	20/1	RCPTS - THEATRE AREA	1500	12	1
0	12	600	LTS - CORRIDOR	20/1	3	B	4	20/1	RCPTS - THEATRE AREA	1080	12	1
0	12	280	LTS - PUBLIC RESTROOM	20/1	5	C	6	20/1	RCPTS - THEATRE AREA	1260	12	1
0	12	628	LTS - THEATER STORAGE	20/1	7	A	8	20/1	RCPTS - ATRIUM LOBBY / REST RM AREA	1440	12	1
0	12	269	LTS - TACTIC ROOM "A"	20/1	9	B	10	20/1	RCPTS - SERVICES CORRIDOR AREA	1440	12	1
0	12	200	LTS - BREAKOUT SPACE	20/1	11	C	12	20/1	RCPTS - REST. RM AREA	1440	12	1
0	12	222	LTS - TACTIC ROOM "B"	20/1	13	A	14	20/1	RCPTS - CORRIDOR AREA	720	12	1
0	12	200	LTS - BREAKOUT SPACE	20/1	15	B	16	20/1	RCPTS - BREAKOUT SPACE	1080	12	1
0	12	636	LTS - MEETING ROOM A	20/1	17	C	18	20/1	RCPTS - BREAKOUT SPACE	900	12	1
0	12	1102	LTS - MEETING ROOM B	20/1	19	A	20	20/1	FLOOR RCPTS - BREAKOUT SPACE	720	12	1
0	12	1500	LTS - MEETING ROOM B	20/1	21	B	22	20/1	RCPTS - TATIC RM "B" AREA	1620	12	1
0	12	516	LTS - SERVICE CORRIDOR	20/1	23	C	24	20/1	FLOOR RCPTS - TATIC RM "B" AREA	720	12	1
0	12	356	LTS - ATRIUM LOBBY	20/1	25	A	26	20/1	RCPTS - TATIC RM "A" AREA	1440	12	1
			SPARE	20/1	27	B	28	20/1	FLOOR RCPTS - TATIC RM "A" AREA	720	12	1
				20/1	29	C	30	20/1	RCPTS - MEETING RM AREA	1500	12	1
				20/1	31	A	32	20/1	RCPTS - WATER FOUNTAIN	1500	12	2
				20/1	33	B	34	20/1	SPARE			
				20/1	35	C	36	20/1				
				20/1	37	A	38	20/1				
				20/1	39	B	40	20/1				
				20/1	41	C	42	20/1				
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP
3046	5820	1500	0	0	A			A	10.366	LIGHTS @ 125%	9.88	27
3583	5940	0	0	0	B			B	9.523	EQUIP @ 100%	9.12	25
680	6920	0	0	0	C			C	6.5	LG. MOTOR @ 125%	6.43	15
7309	17580	1500	0	0	TOTAL			TOTAL	26.389	RECEPS @ 10KW+50%	24.43	68
GRAND TOTAL											24.43	67.8

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN		A.I.C RATING:		22 KA						
PROJECT NUMBER:		16 006		L3 C		MANS:		200 AMP		MOUNTING: SURFACE MOUNTED		
PANEL:		L3 C		BUS:		200 AMP		MOUNTING: SURFACE MOUNTED		LOCATION: ELEC-3RD FLOOR		
VOLTAGE:		120/208V, 3PH, 4W		NEMA-1		COPPER						
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	1500	A/C-RM 301	20/2	1	A	2	20/2	A/C-RM 309	1500	12	3
3	12	1500	A/C-RM 302	20/2	3	B	4	20/2	A/C-RM 310	1500	12	3
3	12	1500	A/C-RM 303	20/2	5	C	6	20/2	A/C-RM 311	1500	12	3
3	12	1500	A/C-RM 304	20/2	7	A	8	20/2	A/C-RM 312	1500	12	3
3	12	1500	A/C-RM 305	20/2	9	B	10	20/2	A/C-RM 313	1500	12	3
3	12	1500	A/C-RM 306	20/2	11	C	12	20/2	A/C-RM 314	1500	12	3
3	12	1500	A/C-RM 307	20/2	13	A	14	20/2	A/C-RM 315	1500	12	3
3	12	1500	A/C-RM 308	20/2	15	B	16	20/2	EF-10	1500	12	3
3	12	1500	A/C-RM 309	20/2	17	C	18	20/2	CP-05	1500	12	3
3	12	1500	A/C-RM 310	20/2	19	A	20	20/2	SPARE	1500	12	3
3	12	1500	A/C-RM 311	20/2	21	B	22	20/2	SPARE	1500	12	3
3	12	1500	A/C-RM 312	20/2	23	C	24	20/2	SPARE	1500	12	3
3	12	1500	A/C-RM 313	20/2	25	A	26	20/2	SPARE	1500	12	3
3	12	1500	A/C-RM 314	20/2	27	B	28	20/2	SPARE	1500	12	3
3	12	1500	A/C-RM 315	20/2	29	C	30	20/2	SPARE	1500	12	3
3	12	1500	EF-19	20/1	31	A	32	20/3	SPARE	500	12	2
2	12	200	SPARE	20/1	33	B	34	20/1	SPARE	500	12	2
				20/1	35	C	36	20/1	SPARE	500	12	2
				20/1	37	A	38	20/1	SPARE			
				20/1	39	B	40	20/1	SPARE			
				20/1	41	C	42	20/1	SPARE			
LIGHTS		RECEP	EQUIP	MOTORS	EL HEAT	PHASE	F.T.L.	PHASE	CONN KVA	LOAD FACTORS	DES. KVA	DES. AMP
0	0	0	500	16500	0	A		A	17	LIGHTS @ 125%	17	47
0	0	0	700	15000	0	B		B	15.7	EQUIP @ 100%	15.7	44
0	0	0	1250	13500	0	C		C	14.75	LG. MOTOR @ 125%	14.75	41
0	0	0	2450	45000	0	TOTAL		TOTAL	47.45	RECEPS @ 10KW+50%	47.45	132
GRAND TOTAL											47.45	131.7

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN		A.I.C RATING:		22 KA						
PROJECT NUMBER:		16 006		L2 C		MANS:		250 AMP		MOUNTING: SURFACE MOUNTED		
PANEL:		L2 C		BUS:		250 AMP		MOUNTING: SURFACE MOUNTED		LOCATION: ELEC-2ND FLOOR		
VOLTAGE:		120/208V, 3PH, 4W		NEMA-1		COPPER						
CODES:		0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 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	426	AHU-2.1	20/2	1	A	2	20/2	AHU-2.6	426	12	3
3	12	2288	ACCU-1.1	35/2	5	C	6	35/2	ACCU-2.6	2288	8	3
3	12	624	AHU-2.2	20/2	7	A	8	20/2	AHU-2.7	624	12	3
3	12	624	AHU-2.3	20/2	9	B	10	20/2	AHU-2.8	624	12	3
3	6	2912	ACCU-2.2	45/2	13	A	14	45/2	ACCU-2.7	2912	6	3
3	12	2912	AHU-2.4	20/2	15	B	16	20/2	ACCU-2.8	2912	6	3
3	12	624	AHU-2.5	20/2	17	C	18	20/2	AHU-2.8	790		

PROJECT NAME:		ALOFT MEMPHIS DOWNTOWN										
PROJECT NUMBER:		16 006										
PANEL:		EPT (EMERGENCY PANEL)										
VOLTAGE:		120/208V, 3PH, 4W										
A.I.C. RATING:		22 KA										
BUS:		250 AMP COPPER										
MANS:		250 AMP M.C.B										
MOUNTING:		SURFACE MOUNTED										
LOCATION:		ELEC-BASEMENT FLOOR										
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED												
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE
1	12	1080	RCPTS - LOBBY AREA	20/1	1	A	2	30/3	WASHER	1875	10	2
1	12	720	FLOOR RCPTS - LOBBY AREA	20/1	3	B	4			1875	10	2
1	12	1500	J-BOX FOR SCENT MACHINE	20/1	5	C	6			1875	10	2
1	12	720	FLOOR RCPTS - LOBBY AREA	20/1	7	A	8	30/3	WASHER	1875	10	2
1	12	1620	RCPTS - WORK AREA	20/1	9	B	10			1875	10	2
2	12	500	WATER SOFTENER	20/1	11	C	12			1875	10	2
2	12	500	WATER SOFTENER	20/1	13	A	14	30/3	WASHER	1875	10	2
2	12	500	COMPRESSOR	20/3	15	B	16			1875	10	2
2	12	500		20/3	17	C	18			1875	10	2
2	12	500		20/3	19	A	20	20/3	DRYER (GAS HEAT)	1000	12	2
2	6	5000	BOOSTER PUMP	50/3	21	B	22			1000	12	2
2	6	5000		50/3	23	C	24			1000	12	2
2	6	5000	BOOSTER PUMP	50/3	25	A	26	20/3	DRYER (GAS HEAT)	1000	12	2
2	6	5000		50/3	27	B	28			1000	12	2
2	6	5000		50/3	29	C	30			1000	12	2
2	6	5000		50/3	31	A	32	20/3	DRYER (GAS HEAT)	1000	12	2
2	10	2000	J-BOX FOR ELECTRIC FIRE PLACE	25/1	33	B	34			1000	12	2
			SPARE	20/1	35	C	36			1000	12	2
				20/1	37	A	38			1000	12	2
				20/1	39	B	40			1000	12	2
				20/1	41	C	42			1000	12	2
				20/1	43	A	44			1000	12	2
				20/1	45	B	46			1000	12	2
				20/1	47	C	48			1000	12	2
				20/1	49	A	50			1000	12	2
				20/1	51	B	52			1000	12	2
				20/1	53	C	54			1000	12	2
				20/1	55	A	56			1000	12	2
				20/1	57	B	58			1000	12	2
				20/1	59	C	60			1000	12	2
				20/1	61	A	62			1000	12	2
				20/1	63	B	64			1000	12	2
				20/1	65	C	66			1000	12	2
				20/1	67	A	68			1000	12	2
				20/1	69	B	70			1000	12	2
				20/1	71	C	72			1000	12	2
				20/1	73	A	74			1000	12	2
				20/1	75	B	76			1000	12	2
				20/1	77	C	78			1000	12	2
				20/1	79	A	80			1000	12	2
				20/1	81	B	82			1000	12	2
				20/1	83	C	84			1000	12	2
				20/1	85	A	86			1000	12	2
				20/1	87	B	88			1000	12	2
				20/1	89	C	90			1000	12	2
				20/1	91	A	92			1000	12	2
				20/1	93	B	94			1000	12	2
				20/1	95	C	96			1000	12	2
				20/1	97	A	98			1000	12	2
				20/1	99	B	100			1000	12	2
				20/1	101	C	102			1000	12	2
				20/1	103	A	104			1000	12	2
				20/1	105	B	106			1000	12	2
				20/1	107	C	108			1000	12	2
				20/1	109	A	110			1000	12	2
				20/1	111	B	112			1000	12	2
				20/1	113	C	114			1000	12	2
				20/1	115	A	116			1000	12	2
				20/1	117	B	118			1000	12	2
				20/1	119	C	120			1000	12	2
				20/1	121	A	122			1000	12	2
				20/1	123	B	124			1000	12	2
				20/1	125	C	126			1000	12	2
				20/1	127	A	128			1000	12	2
				20/1	129	B	130			1000	12	2
				20/1	131	C	132			1000	12	2
				20/1	133	A	134			1000	12	2
				20/1	135	B	136			1000	12	2
				20/1	137	C	138			1000	12	2
				20/1	139	A	140			1000	12	2
				20/1	141	B	142			1000	12	2
				20/1	143	C	144			1000	12	2
				20/1	145	A	146			1000	12	2
				20/1	147	B	148			1000	12	2
				20/1	149	C	150			1000	12	2
				20/1	151	A	152			1000	12	2
				20/1	153	B	154			1000	12	2
				20/1	155	C	156			1000	12	2
				20/1	157	A	158			1000	12	2
				20/1	159	B	160			1000	12	2
				20/1	161	C	162			1000	12	2
				20/1	163	A	164			1000	12	2
				20/1	165	B	166			1000	12	2
				20/1	167	C	168			1000	12	2
				20/1	169	A	170			1000	12	2
				20/1	171	B	172			1000	12	2
				20/1	173	C	174			1000	12	2
				20/1	175	A	176			1000	12	2
				20/1	177	B	178			1000	12	2
				20/1	179	C	180			1000	12	2
				20/1	181	A	182			1000	12	2
				20/1	183	B	184			1000	12	2
				20/1	185	C	186			1000	12	2
				20/1	187	A	188			1000	12	2
				20/1	189	B	190			1000	12	2
				20/1	191	C	192			1000	12	2
				20/1	193	A	194			1000	12	2
				20/1	195	B	196			1000	12	2
				20/1	197	C	198			1000	12	2
				20/1	199	A	200			1000	12	2
				20/1	201	B	202			1000	12	2
				20/1	203	C	204			1000	12	2
				20/1	205	A	206			1000	12	2
				20/1	207	B	208			1000	12	2
				20/1	209	C	210			1000	12	2
				20/1	211	A	212			1000	12	2
				20/1	213	B	214			1000	12	2
				20/1	215	C	216			1000	12	2
				20/1	217	A	218			1000	12	2
				20/1	219	B	220			1000	12	2
				20/1	221	C	222			1000	12	2
				20/1	223	A	224			1000	12	2
				20/1	225	B	226			1000	12	2
				20/1	227	C	228			1000	12	2
				20/1	229	A	230			1000	12	2
				20/1	231	B	232			1000	12	2
				20/1	233	C	234			1000	12	2
				20/1	235	A	236			1000	12	2
				20/1	237	B	238			1000	12	2
				20/1	239	C	240			1000	12	2
				20/1	241	A	242			1000	12	2
				20/1	243							

PROJECT NAME: ALOFT MEMPHIS DOWNTOWN		PROJECT NUMBER: 16 006		A.I.C. RATING: 22 KA																																											
PANEL: SP		BUS: 100 AMP		MANS: 22 KA		100 AMP		MOUNTING: SURFACE MOUNTED																																							
VOLTAGE: 120/208V, 3PH, 4W		NEMA-1		COPPER		M.C.B.		LOCATION: POOL EQUIP. RM																																							
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																																															
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE																																			
1	12	720	RCPTS - POOL EQUIP. (2)	(2)	1	A	2	(2)	LTS - EQUIPMENT RM	128	12	0																																			
2	12	1800	POOL PUMP	(4)	3	B	4	(3)	HOT TUB PUMP	1500	12	2																																			
2	12	1800	POOL PUMP	(4)	5	C	6	(3)	HOT TUB PUMP	1500	12	2																																			
2	12	1500	EF-7	(2)	7	A	8		SPACE ONLY																																						
			SPACE ONLY		9	B	10																																								
					11	C	12																																								
					13	A	14																																								
					15	B	16																																								
LIGHTS				RECEP				EQUIP				MOTORS				EL. HEAT				PHASE				F.T.L.				PHASE				CONN. KVA				LOAD FACTORS				DES. KVA				DES. AMP			
128	720	1500		0	0	A		A	2,348	LIGHTS @ 125%	2,38	7																																			
0	0	3300		0	0	B		B	3.3	EQUIP. @ 100%	3.3	9																																			
0	0	3300		0	0	C		C	3.3	LG. MOTOR @ 125%	3.3	9																																			
128	720	8100		0	0	TOTAL		TOTAL	8,948	RECEPS @ 10KW*50%	8,98	25																																			
										GRAND TOTAL												8.98		24.9																							
NOTES:																																															
(1) CONTROLLED BY A 20A, 2P, TIME CLOCK WITH 4 HR BATTERIES																																															
(2) 20A/1P GFI BREAKER																																															
(3) 20A/2P GFI BREAKER																																															
(4) 25A/2P GFI BREAKER																																															

PROJECT NAME: ALOFT MEMPHIS DOWNTOWN		PROJECT NUMBER: 16 006		A.I.C. RATING: 65 KA																	
PANEL: LDP3		BUS: 800 AMP		MANS: 800 AMP		800 AMP		MOUNTING: SURFACE MOUNTED													
VOLTAGE: 120/208V, 3PH, 4W		NEMA-1		COPPER		M.C.B.		LOCATION: ELECT. RM - 7TH FLOOR													
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																					
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE									
2	1/0	8100	PANEL L7.A	125/3	1	A	2	400/3	PANEL L9.A,L9.B,L9.C	32725	600	2									
2	1/0	8100			3	B	4			32725		2									
2	1/0	8100	PANEL L7.B	125/3	5	C	6	400/3	PANEL L10.A,L10.B,L10.C	32725	600	2									
2	1/0	8748			7	A	8			32165		2									
2	1/0	8748			9	B	10			32165		2									
2	4/0	8748			11	C	12			32165		2									
2	4/0	15317	PANEL L7.C	200/3	13	A	14	30/3	SURGE PROTECTIVE DEVICE IN "LDP3"		10	2									
2	4/0	15317			15	B	16					2									
2	4/0	15317			17	C	18					2									
2	600	32165	PANEL L8.A,L8.B,L8.C	400/3	19	A	20		SPACE ONLY			2									
2	600	32165			21	B	22					2									
2	600	32165			23	C	24					2									
NOTES:																					
1- SWITCHBOARD IS "FULLY" RATED TO INCLUDE 65K AIC BREAKER																					
2- SWBD IS NOT TO EXCEED 6'-0" WIDE																					
3 - SEE ONE-LINE DIAGRAM FOR COMPLETE FEEDER SIZES																					
4- FIELD VERIFY HP PRIOR TO INSTALLING BRKR, CONDUIT, WIRE, ETC.																					
5- SWITCHBOARD IS TO BE EQUIPPED WITH GROUND-FAULT PROTECTION AS PER NEC 230.95																					

PROJECT NAME: ALOFT MEMPHIS DOWNTOWN		PROJECT NUMBER: 16 006		A.I.C. RATING: 65 KA																	
PANEL: LDP4		BUS: 600 AMP		MANS: 600 AMP		600 AMP		MOUNTING: SURFACE MOUNTED													
VOLTAGE: 120/208V, 3PH, 4W		NEMA-1		COPPER		M.C.B.		LOCATION: ELECT. RM - 11TH FLOOR													
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																					
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE									
2	1/0	8100	PANEL L11.A	125/3	1	A	2	300/3	PANEL LPE.A,LPE.B	17384	400	2									
2	1/0	8100			3	B	4			17384		2									
2	1/0	8100	PANEL L11.B	125/3	5	C	6	30/3	SURGE PROTECTIVE DEVICE IN "LDP4"	17384		2									
2	1/0	8748			7	A	8				10	2									
2	1/0	8748			9	B	10					2									
2	4/0	8748			11	C	12					2									
2	4/0	15317	PANEL L11.C	200/3	13	A	14		SPACE ONLY			2									
2	4/0	15317			15	B	16					2									
2	4/0	15317			17	C	18					2									
2	600	32725	PANEL L12.A,L12.B,L12.C	400/3	19	A	20					2									
2	600	32725			21	B	22					2									
2	600	32725			23	C	24					2									
NOTES:																					
1- SWITCHBOARD IS "FULLY" RATED TO INCLUDE 65K AIC BREAKER																					
2- SWBD IS NOT TO EXCEED 6'-0" WIDE																					
3 - SEE ONE-LINE DIAGRAM FOR COMPLETE FEEDER SIZES																					
4- FIELD VERIFY HP PRIOR TO INSTALLING BRKR, CONDUIT, WIRE, ETC.																					
5- SWITCHBOARD IS TO BE EQUIPPED WITH GROUND-FAULT PROTECTION AS PER NEC 230.95																					

NOTE:

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.

PROJECT NAME: ALOFT MEMPHIS DOWNTOWN		PROJECT NUMBER: 16 006		A.I.C. RATING: 100 KA																	
PANEL: MDP		BUS: 2500AMP		MANS: 2500AMP		2500AMP		MOUNTING: SURFACE MOUNTED													
VOLTAGE: 277/480V, 3PH, 4W		NEMA-1		COPPER		M.C.B.		LOCATION: ELECT. RM - 1ST FLOOR													
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																					
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE									
2	3-600	250000	TRANSFORMER (T1A)	1200/3	1	A	2	300/3	PANEL EP	59667	400	2									
2	3-600	250000			3	B	4			59667		2									
2	2-250	250000	TRANSFORMER (T2)	500/3	5	C	6	250/3	MAU	59667	300	2									
2	2-250	100000			7	A	8			63710		2									
2	2-250	100000			9	B	10			63710		2									
2	2-250	100000	TRANSFORMER (T3)	500/3	11	C	12	30/3	SURGE PROTECTIVE DEVICE IN "MDP"	63710		2									
2	2-250	100000			13	A	14				10	2									
2	2-250	100000			15	B	16					2									
2	2-250	100000	TRANSFORMER (T4)	400/3	17	C	18		SPACE ONLY			2									
2	2-250	75000			19	A	20					2									
2	2-250	75000			21	B	22					2									
2	2-250	75000			23	C	24					2									
2	2-250	75000	SPACE ONLY		25	A	26					2									
					27	B	28					2									
					29	C	30					2									
					31	A	32					2									
					33	B	34					2									
					35	C	36					2									
					37	A	38					2									
					39	B	40					2									
					41	C	42					2									
NOTES:																					
1- SWITCHBOARD IS "FULLY" RATED TO INCLUDE 100K AIC BREAKER																					
2- SWBD IS NOT TO EXCEED 6'-0" WIDE																					
3 - SEE ONE-LINE DIAGRAM FOR COMPLETE FEEDER SIZES																					
4- FIELD VERIFY HP PRIOR TO INSTALLING BRKR, CONDUIT, WIRE, ETC.																					
5- SWITCHBOARD IS TO BE EQUIPPED WITH GROUND-FAULT PROTECTION AS PER NEC 230.95																					
6- PANELS WITH BREAKERS 1200A AND OVER REQUIRE ARC FLASH REDUCTION PER NEC 240.87																					
7- CONTRACTOR WILL PROVIDE PANEL WITH ENERGY REDUCING MAINTENANCE SWITCH																					

NOTES:

1- SWITCHBOARD IS "FULLY" RATED TO INCLUDE 100K AIC BREAKER

2- SWBD IS NOT TO EXCEED 6'-0" WIDE

3 - SEE ONE-LINE DIAGRAM FOR COMPLETE FEEDER SIZES

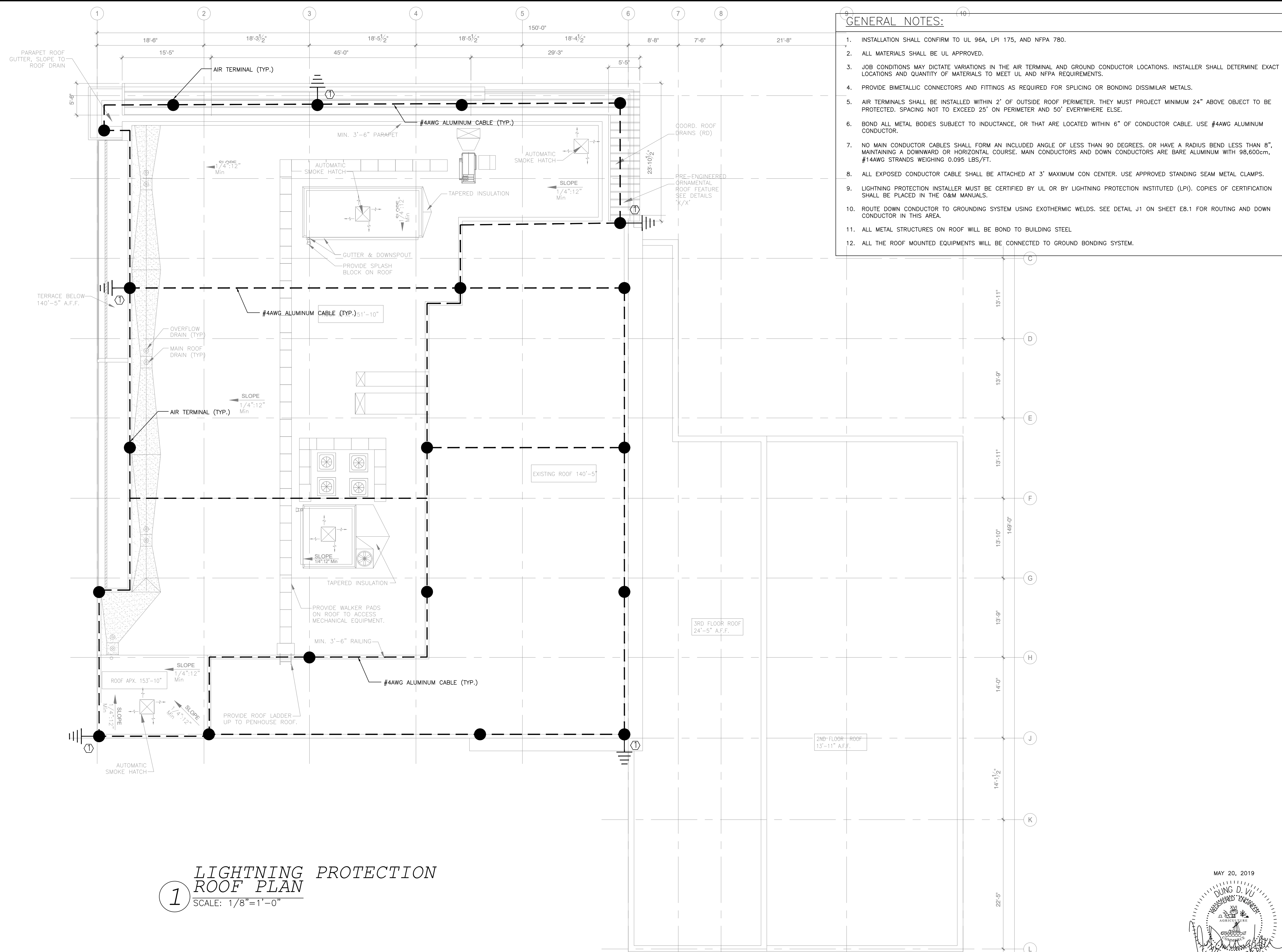
4- FIELD VERIFY HP PRIOR TO INSTALLING BRKR, CONDUIT, WIRE, ETC.

5- SWITCHBOARD IS TO BE EQUIPPED WITH GROUND-FAULT PROTECTION AS PER NEC 230.95

6- PANELS WITH BREAKERS 1200A AND OVER REQUIRE ARC FLASH REDUCTION PER NEC 240.87

7- CONTRACTOR WILL PROVIDE PANEL WITH ENERGY REDUCING MAINTENANCE SWITCH

PROJECT NAME: ALOFT MEMPHIS DOWNTOWN		PROJECT NUMBER: 16 006		A.I.C. RATING: 100 KA																	
PANEL: LDP1		BUS: 1600 AMP		MANS: 1600 AMP		1600 AMP		MOUNTING: SURFACE MOUNTED													
VOLTAGE: 120/208V, 3PH, 4W		NEMA-1		COPPER		M.C.B.		LOCATION: ELECT. RM - BASEMENT FLOOR													
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED																					
CODE	WIRE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	WIRE	CODE									
2	4/0	15088	PANEL L0.A	200/3	1	A	2	400/3	PANEL RT1,RT2,RT3,RT4	34973	600	2									
2	4/0	15088			3	B	4			34973		2									
2	2/0	14343	PANEL L0.B	150/3	5	C	6	250/3	PANEL KP	21186	300	2									
2	2/0	14343			7	A	8			21186		2									
2	2/0	14343			9	B	10			21186		2									
2	2/0	14343	PANEL L0.C	250/3	11	C	12	100/3	PANEL SP	21186		2									
2	300	22005			13	A	14			2993		2									
2	300	22005			15	B	16			2993		2									
2	300	22005			17	C	18			2993		2									
2	400	26259	PANEL L0.D	300/3	19	A	20	500/3	PANEL L2.A,L2.B,L2.C,L2.D	41089	2-250	2									
2	400	26259			21	B	22			41089		2									
2	400	26259			23	C	24			41089		2									
2	300	23785	PANEL L0.E	250/3	25	A	26	30/3	SURGE PROTECTIVE DEVICE IN "MDP"		10	2									
2	300	23785			27	B	28					2									
2	300	23785			29																



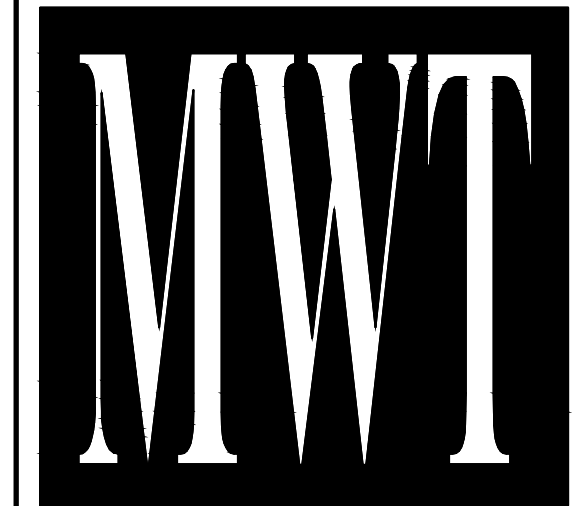
- GENERAL NOTES:**
1. INSTALLATION SHALL CONFIRM TO UL 96A, LPI 175, AND NFPA 780.
 2. ALL MATERIALS SHALL BE UL APPROVED.
 3. JOB CONDITIONS MAY DICTATE VARIATIONS IN THE AIR TERMINAL AND GROUND CONDUCTOR LOCATIONS. INSTALLER SHALL DETERMINE EXACT LOCATIONS AND QUANTITY OF MATERIALS TO MEET UL AND NFPA REQUIREMENTS.
 4. PROVIDE BIMETALLIC CONNECTORS AND FITTINGS AS REQUIRED FOR SPLICING OR BONDING DISSIMILAR METALS.
 5. AIR TERMINALS SHALL BE INSTALLED WITHIN 2' OF OUTSIDE ROOF PERIMETER. THEY MUST PROJECT MINIMUM 24" ABOVE OBJECT TO BE PROTECTED. SPACING NOT TO EXCEED 25' ON PERIMETER AND 50' EVERYWHERE ELSE.
 6. BOND ALL METAL BODIES SUBJECT TO INDUCTANCE, OR THAT ARE LOCATED WITHIN 6" OF CONDUCTOR CABLE. USE #4AWG ALUMINUM CONDUCTOR.
 7. NO MAIN CONDUCTOR CABLES SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90 DEGREES, OR HAVE A RADIUS BEND LESS THAN 8". MAINTAINING A DOWNWARD OR HORIZONTAL COURSE. MAIN CONDUCTORS AND DOWN CONDUCTORS ARE BARE ALUMINUM WITH 98,600cm, #14AWG STRANDS WEIGHING 0.095 LBS/FT.
 8. ALL EXPOSED CONDUCTOR CABLE SHALL BE ATTACHED AT 3' MAXIMUM CON CENTER. USE APPROVED STANDING SEAM METAL CLAMPS.
 9. LIGHTNING PROTECTION INSTALLER MUST BE CERTIFIED BY UL OR BY LIGHTNING PROTECTION INSTITUTED (LPI). COPIES OF CERTIFICATION SHALL BE PLACED IN THE O&M MANUALS.
 10. ROUTE DOWN CONDUCTOR TO GROUNDING SYSTEM USING EXOTHERMIC WELDS. SEE DETAIL J1 ON SHEET E8.1 FOR ROUTING AND DOWN CONDUCTOR IN THIS AREA.
 11. ALL METAL STRUCTURES ON ROOF WILL BE BOND TO BUILDING STEEL
 12. ALL THE ROOF MOUNTED EQUIPMENTS WILL BE CONNECTED TO GROUND BONDING SYSTEM.

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4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

1 LIGHTNING PROTECTION ROOF PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND

- KEY NOTES:**
1. PROVIDE GROUND ROD AT EVERY DOWN CONDUCTOR LOCATION PER NFPA 780.



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ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

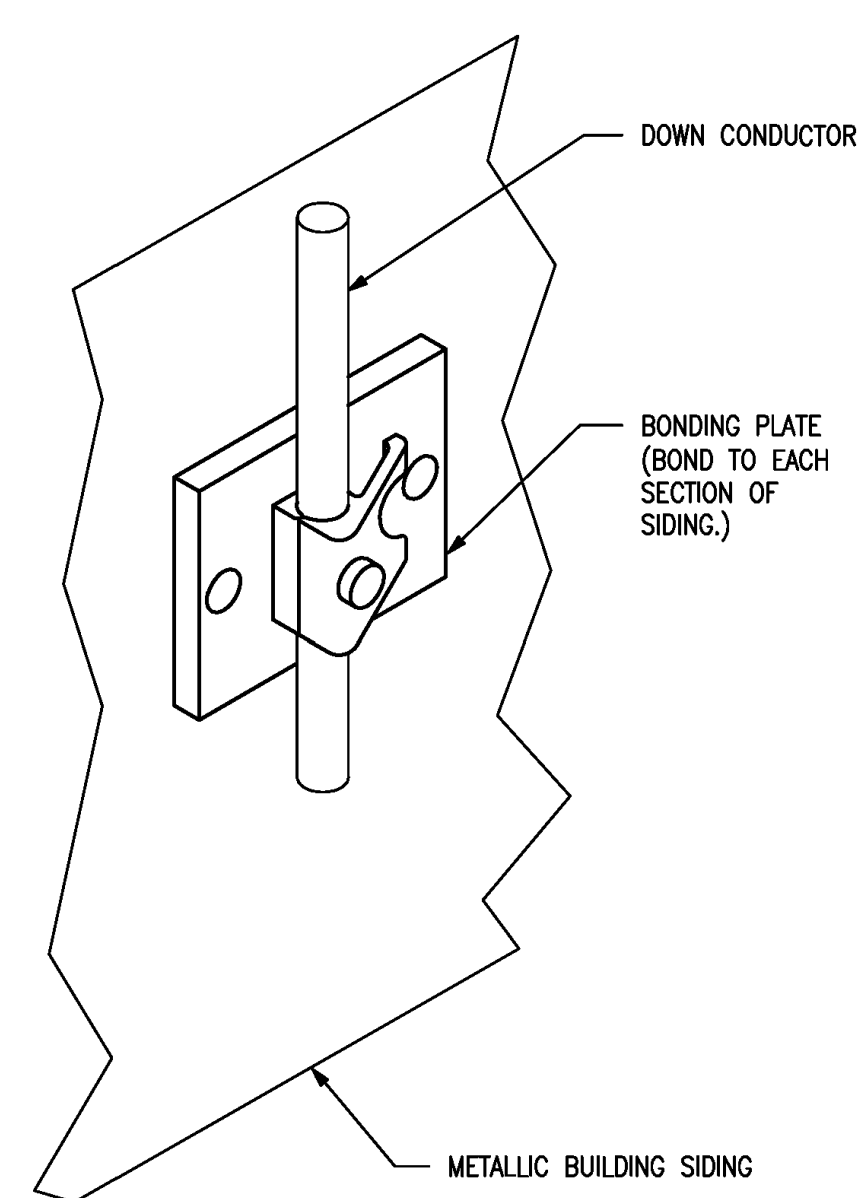
LIGHTNING PROTECTION ROOF PLAN
SHEET **E8.0**

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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE: FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMENSION, DIMENSIONERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BELLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

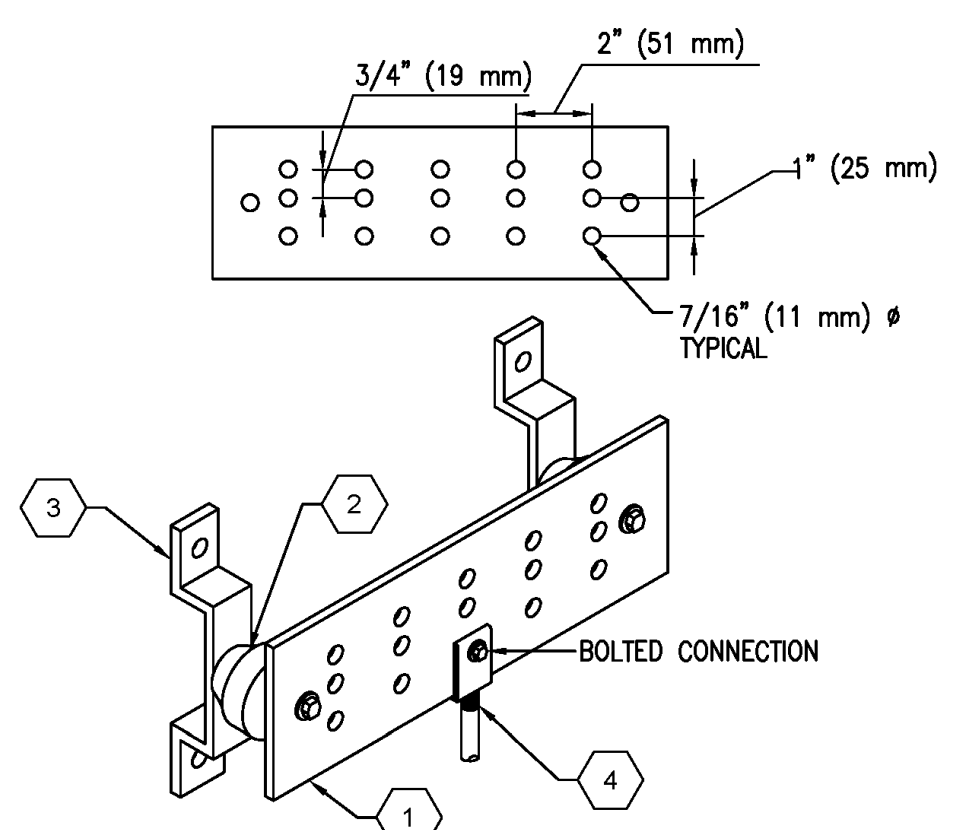


MAY 20, 2019

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8	ISSUED FOR PERMIT	02/21/18	PL



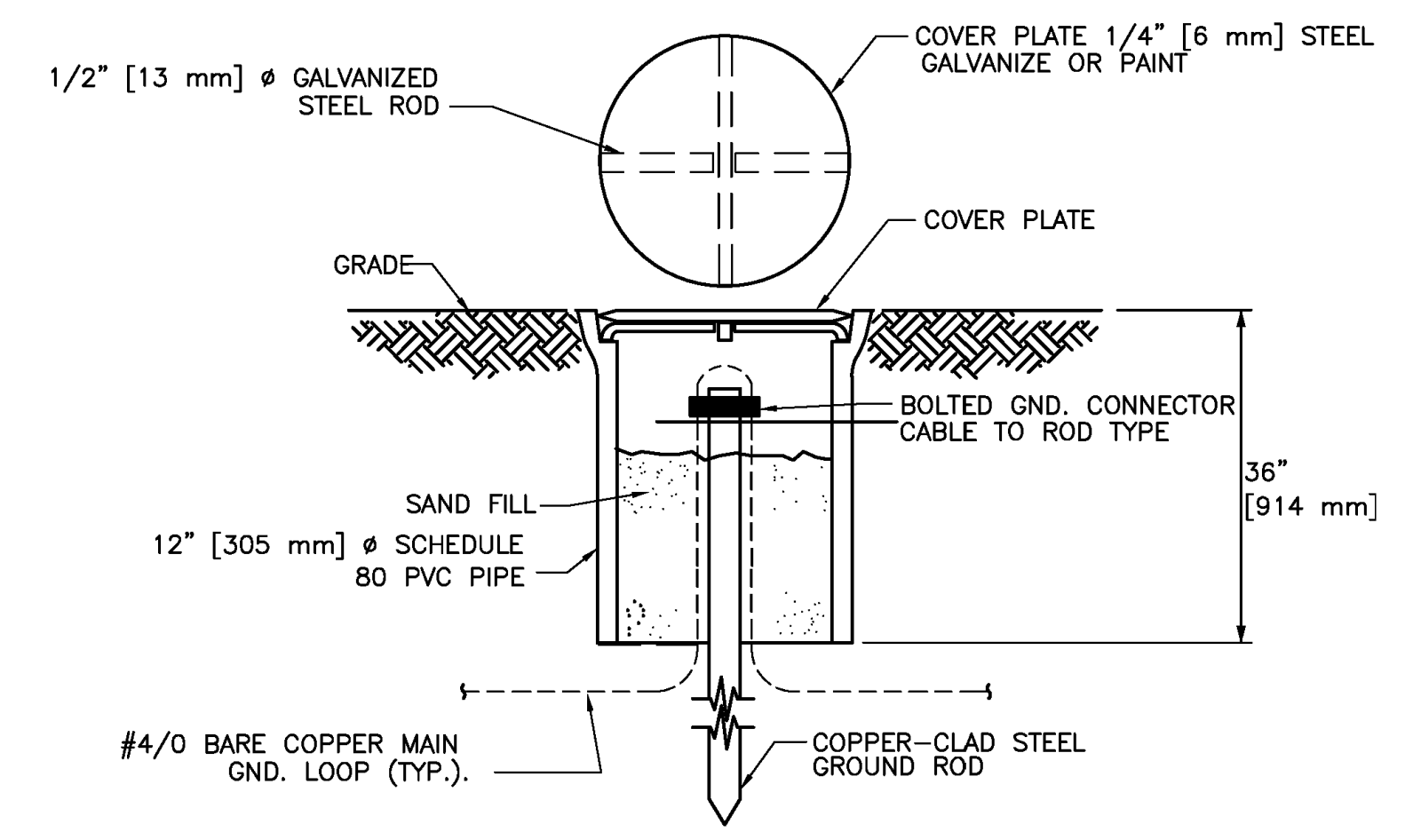
E1 BOUNDING OF METALLIC SIDING DETAIL
NTS



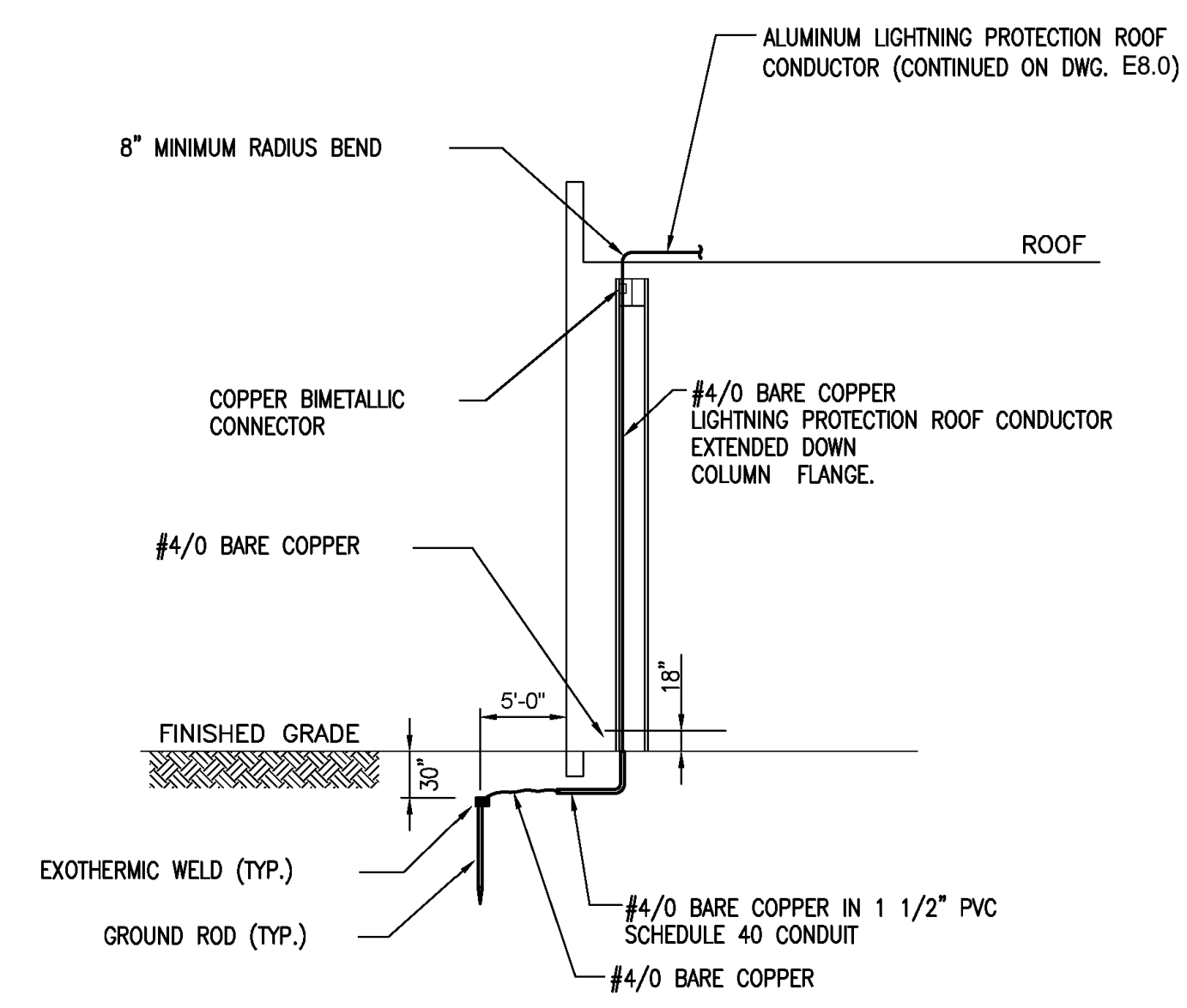
- ITEM DESCRIPTION:
- 1 1/2" x 4" x 24" (13 mm x 102 mm x 610 mm) TIN/SILVER PLATED COPPER GROUND BAR
 - 2 STANDOFF INSULATOR, ROCHLING GLASTIC SERIES 2165-B OR APPROVED EQUIVALENT
 - 3 PLATE MOUNTING BRACKETS
 - 4 BURNDY COMPRESSION CONNECTOR YA2CL6-BDX OR APPROVED EQUIVALENT

- NOTES
1. MOUNT 24" (610 mm) AFF UON
 2. THE GROUND BAR LENGTH MAY BE INCREASED TO ACCOMMODATE THE NUMBER OF GROUND CONNECTION POINTS THAT ARE INITIALLY NEEDED.

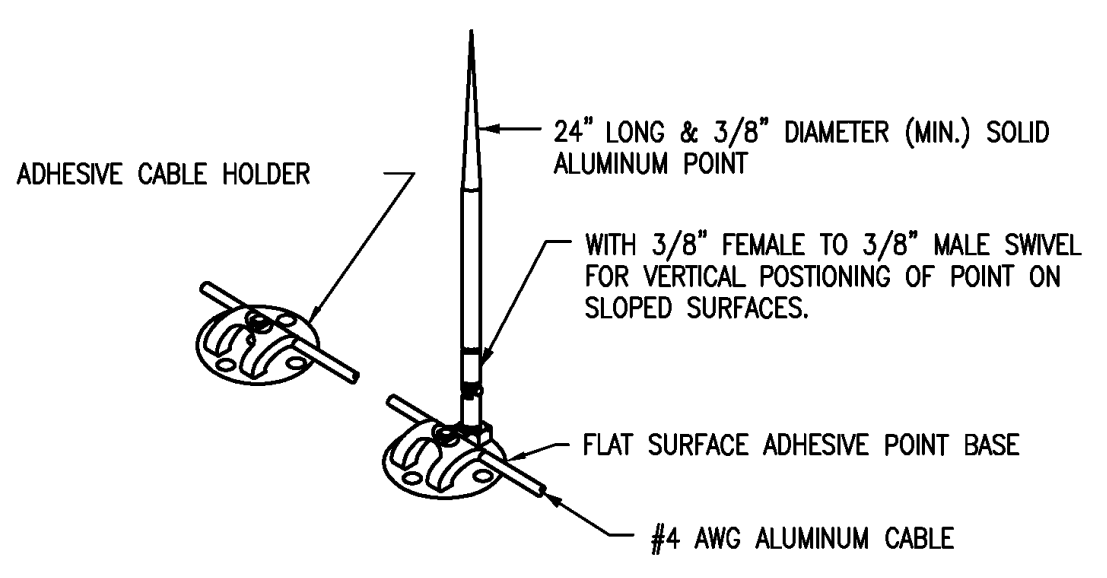
E6 GROUND BAR
NTS



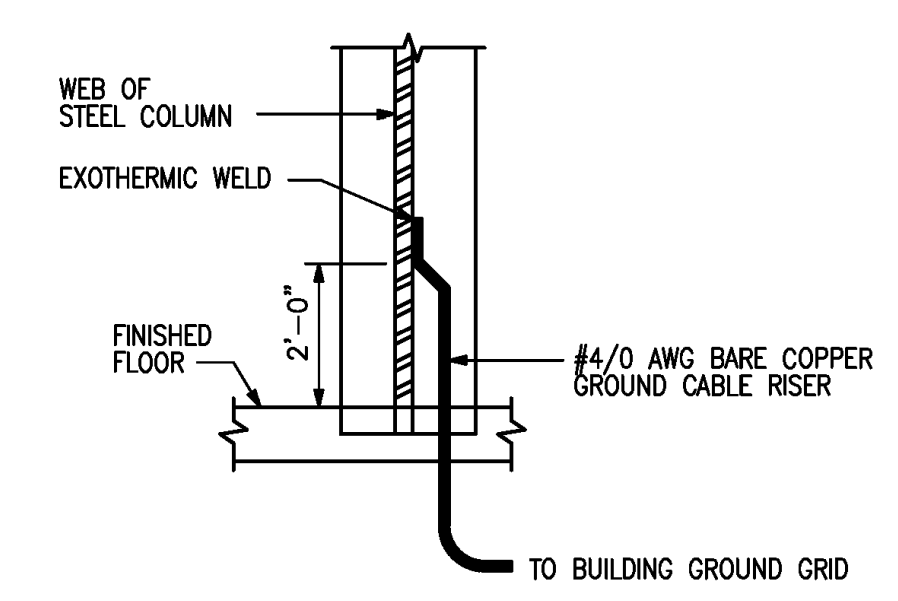
E12 GROUND TEST WELL DETAIL
NTS



J1 LIGHTNING PROTECTION DOWN CONDUCTOR DETAIL
NTS



J6 TYPICAL AIR TERMINAL FOR ROOF AND PARAPET MOUNTING DETAIL
NTS



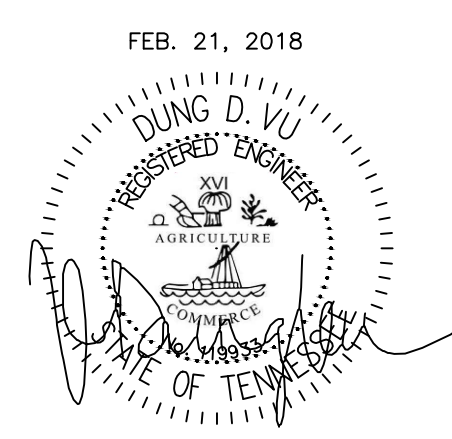
J12 TYPICAL CONNECTION OF GROUND RISER AT COLUMN
NTS

1 LIGHTNING PROTECTION SECTIONS & DETAILS
SCALE: NTS



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DOWNTOWN

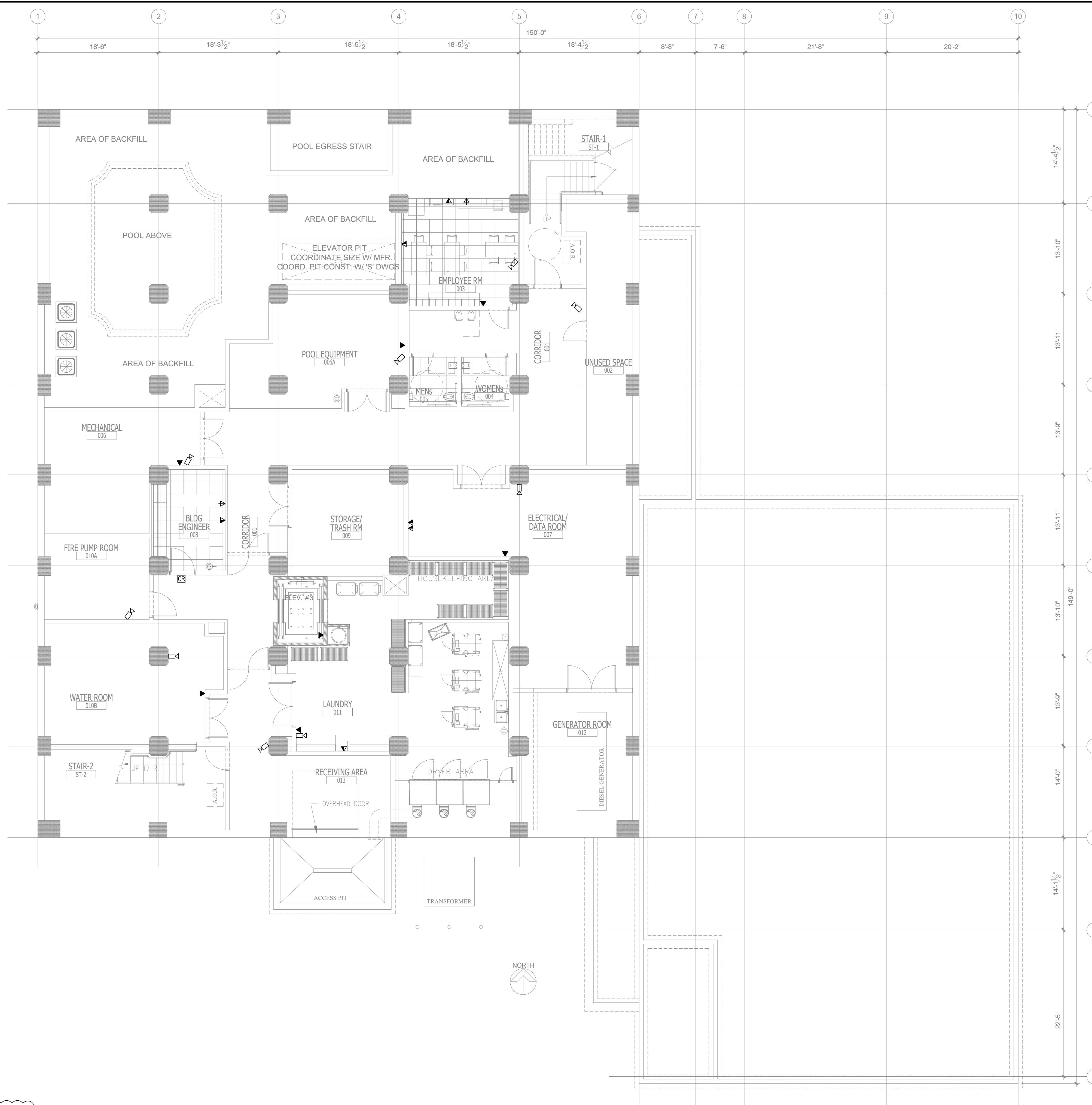
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

LIGHTNING
PROTECTION
ROOF PLAN

SHEET E8.1

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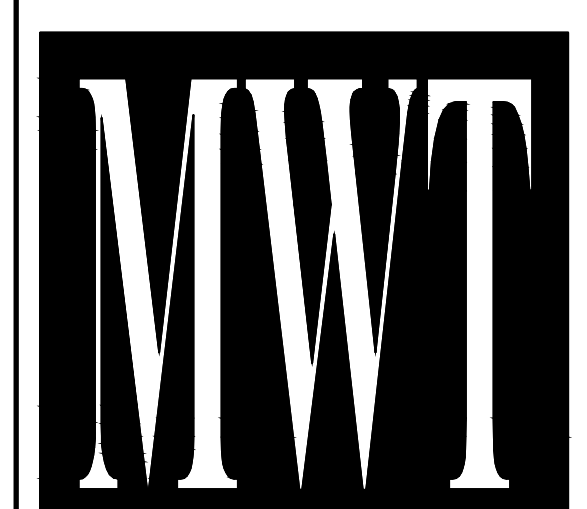
GENERAL NOTE:

1. CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)

KEY NOTES:

1. 4'x8'x3/4" TELEPHONE BOARD
 2. 4'x8'x3/4" SECURITY BOARD
 3. 4'x8'x3/4" CABLE TV BOARD
 4. FIRE ALARM CONTROL PANEL
 5. VOICE ALARM CONTROL PANEL

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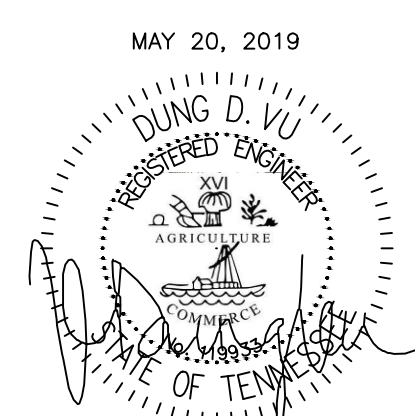
ALOFT
 MEMPHIS
 DOWNTOWN

63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 2-21-2018
 DRAWN BY: PL
 CHKD. BY: DV

ELV
 BASEMENT FLOOR
 PLAN

SHEET E10.0



MAY 20, 2019

NOTE:
 • NEW BACKGROUND

1 ELV
 BASEMENT FLOOR PLAN
 SCALE: 1/8" = 1'-0"

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)

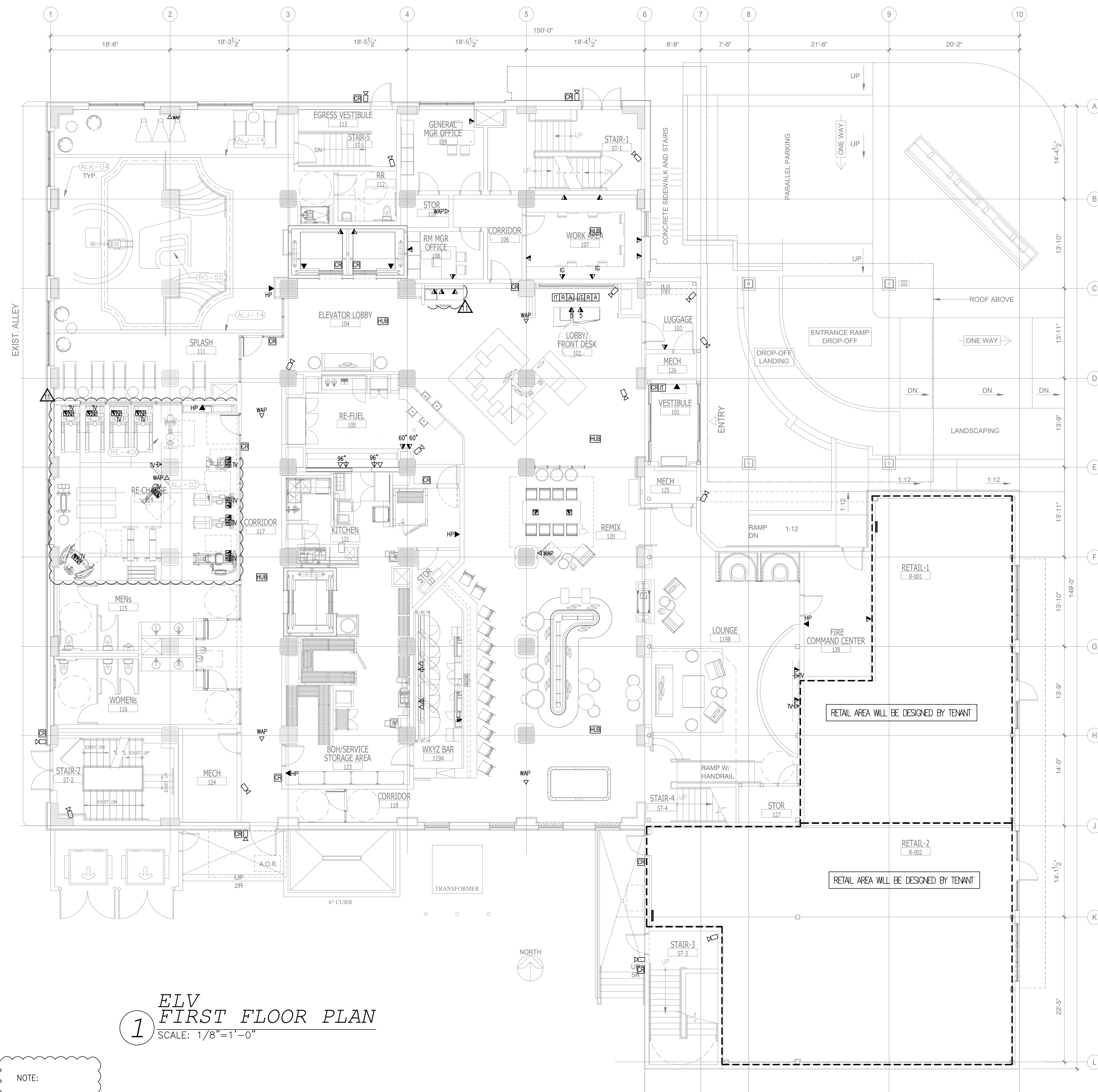
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4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

GENERAL NOTE:

1. CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)



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

NOTE:
• NEW BACKGROUND



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ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

POWER FIRST FLOOR PLAN

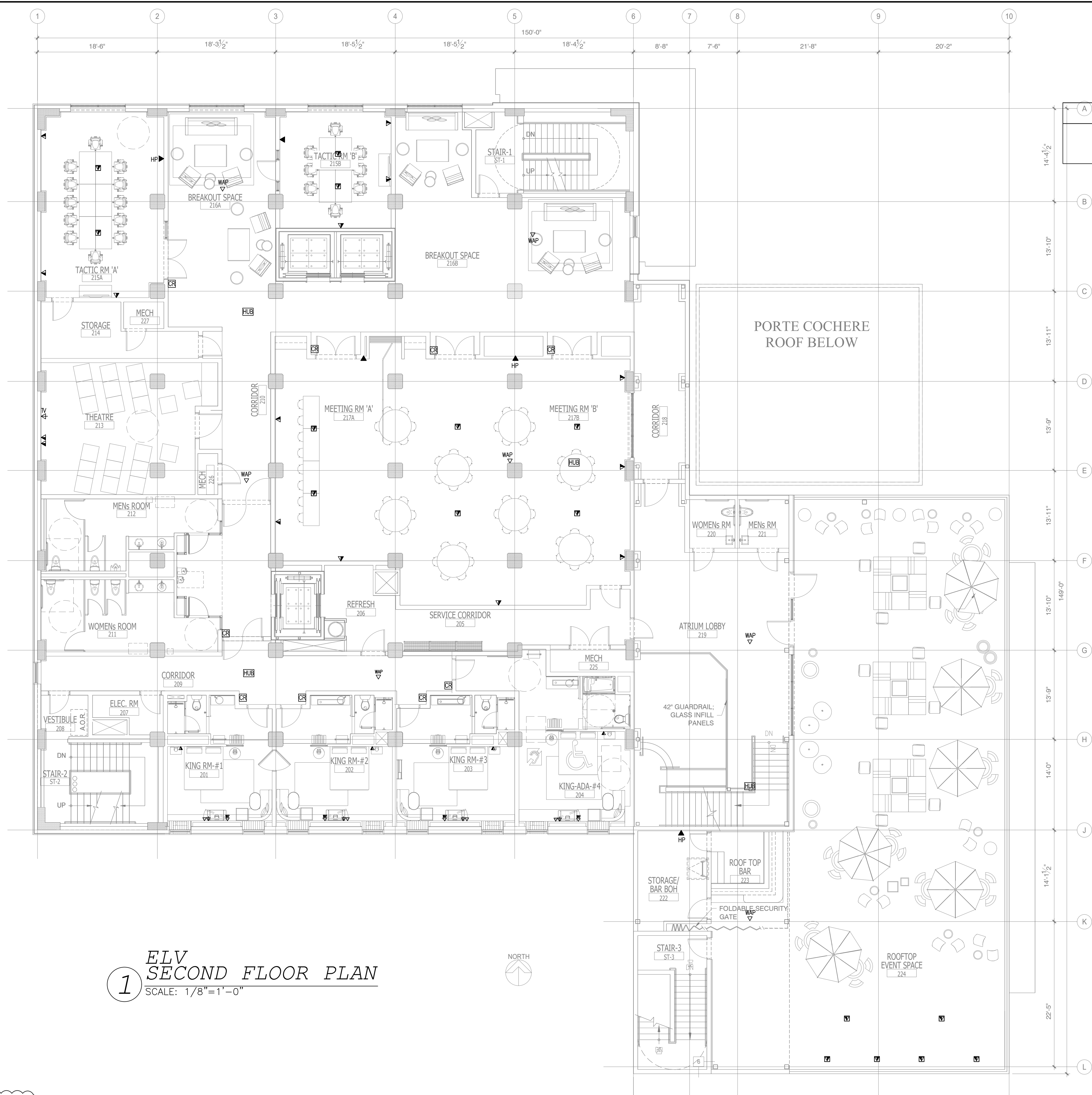
SHEET **E10.1**

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GENERAL NOTE:

1. CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)

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

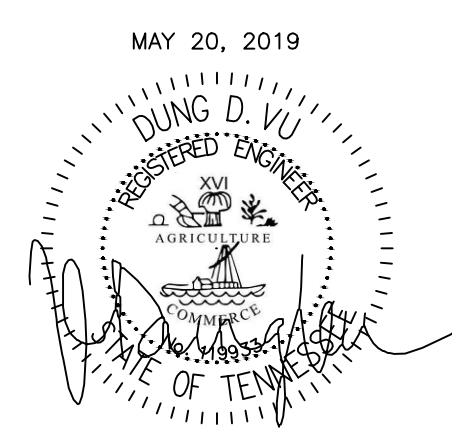
NOTE:
 • NEW BACKGROUND

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3	ISSUED FOR BID (ID ONLY)	07/21/17	PL
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7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
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ALOFT MEMPHIS DOWNTOWN
 63 NORTH B.B. KING BLVD.
 MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
 DATE: 2-21-2018
 DRAWN BY: PL
 CHKD. BY: DV

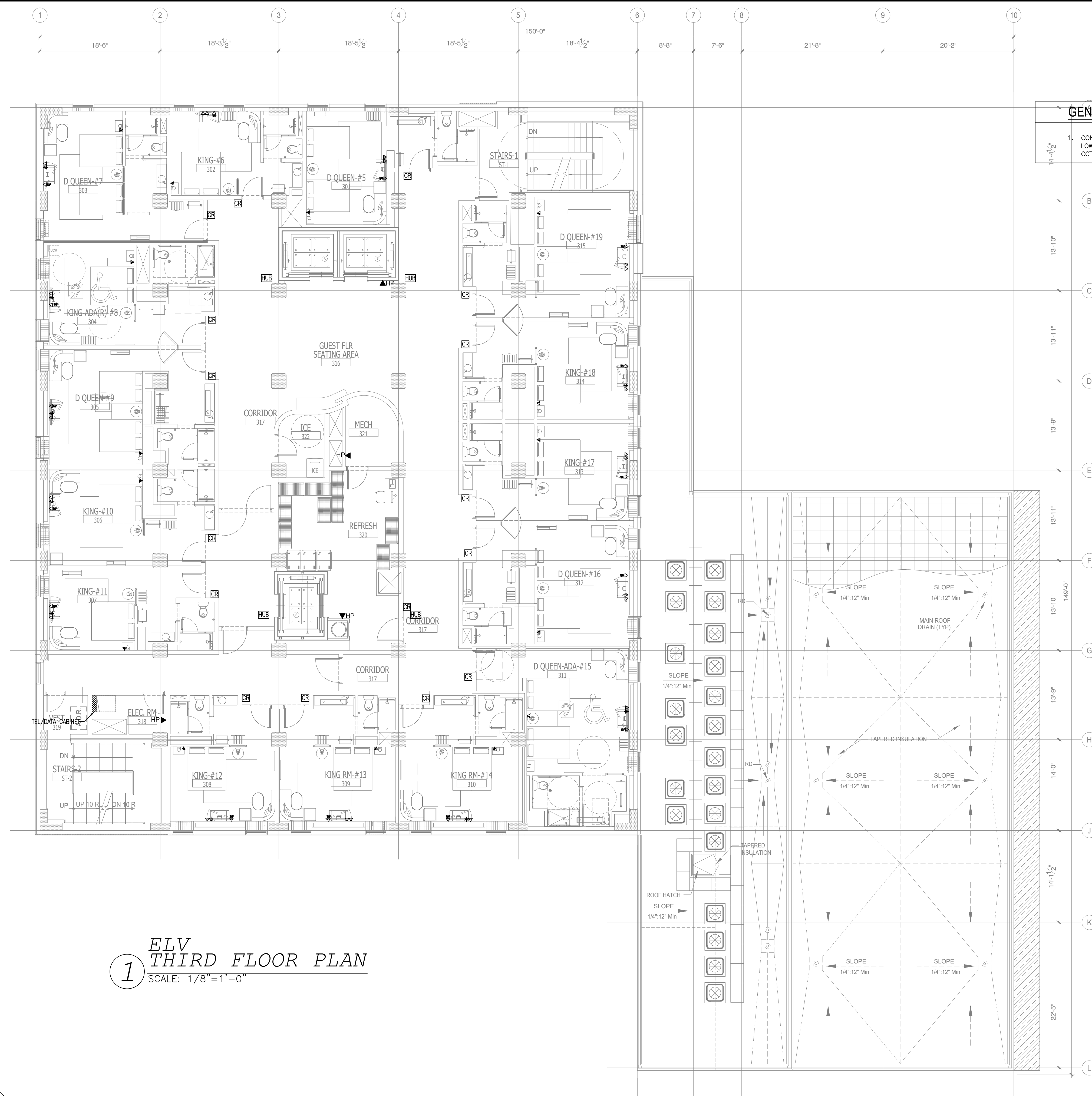
ELV SECOND FLOOR PLAN

SHEET **E10.2**

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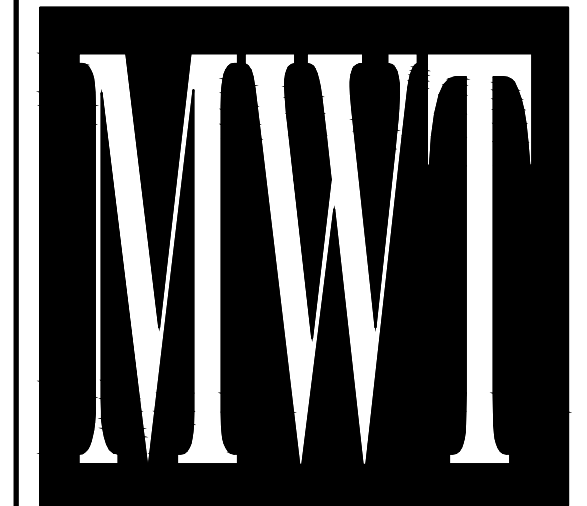
GENERAL NOTE:

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

NOTE:
• NEW BACKGROUND

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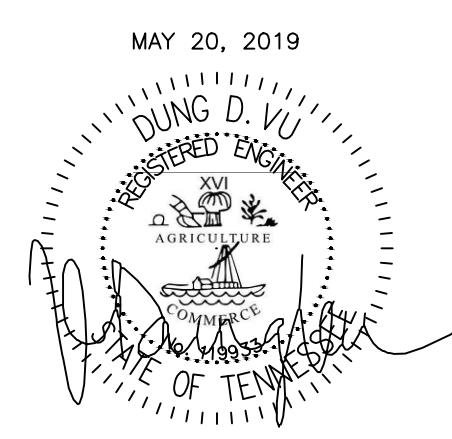
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MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

ELV
THIRD FLOOR PLAN

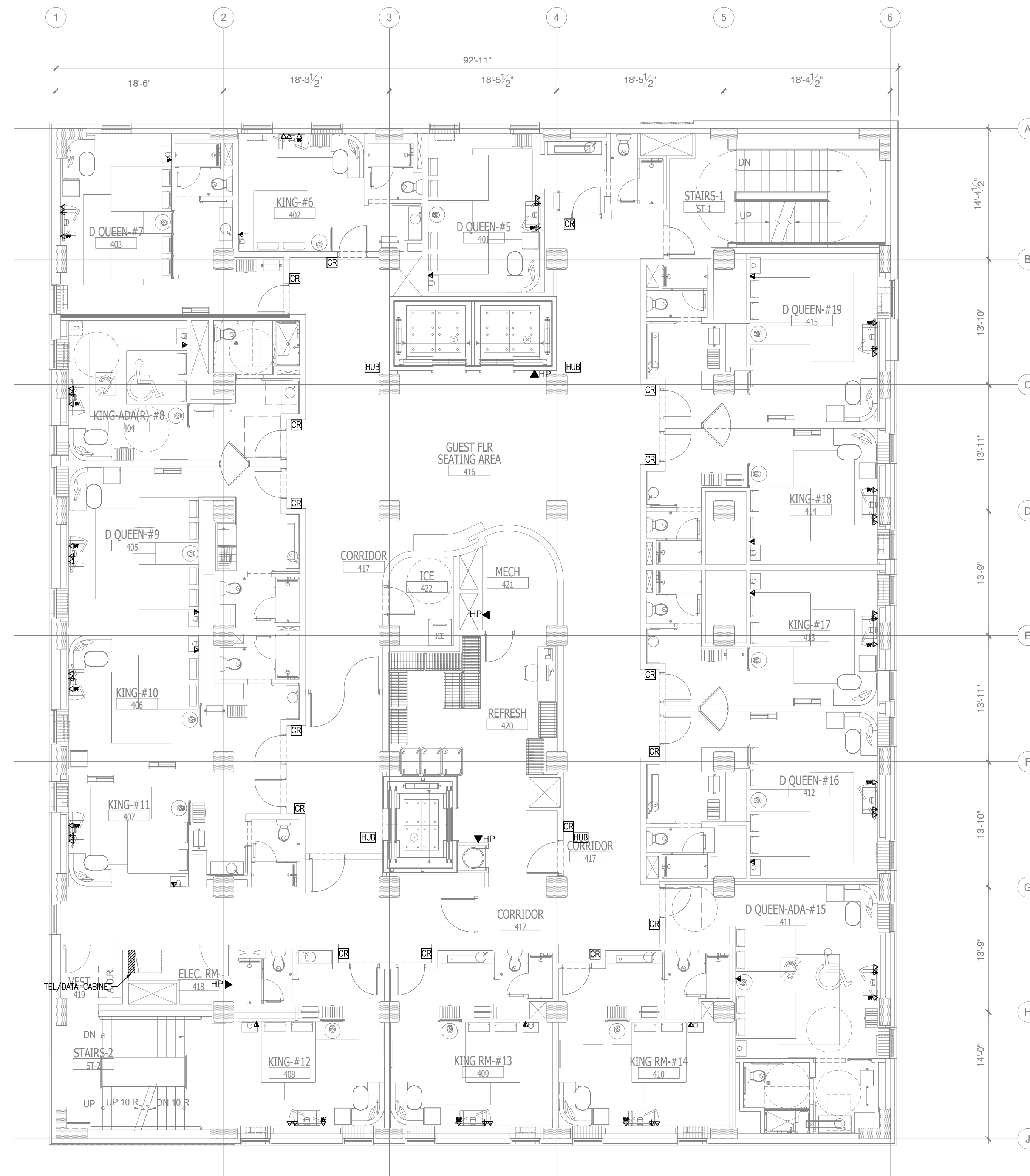
SHEET E10.3



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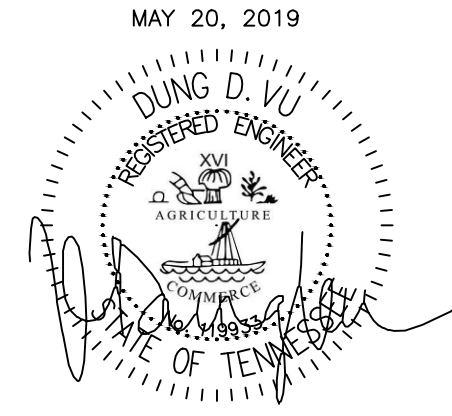
1 ELV FOURTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND



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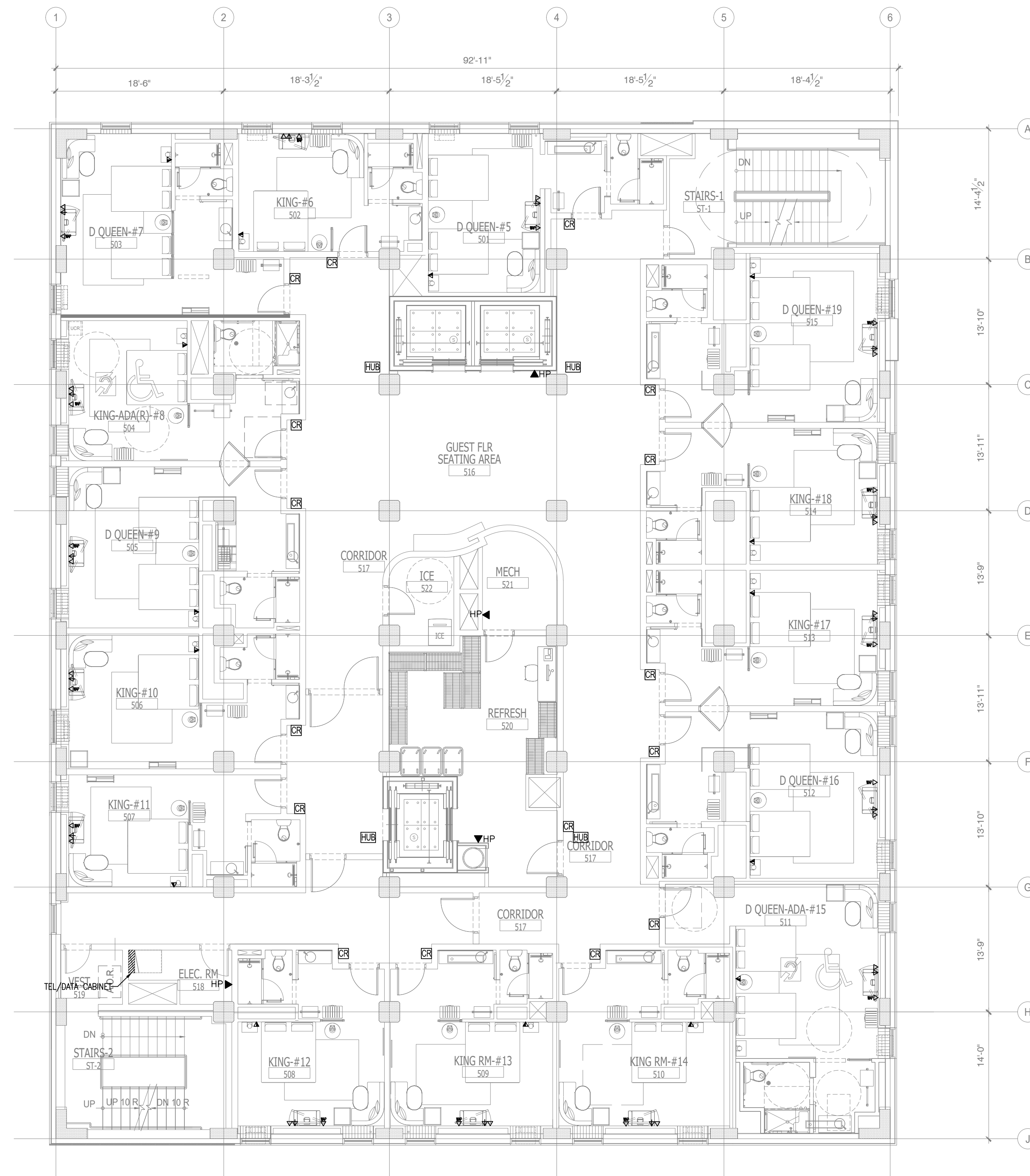


ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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DRAWN BY: PL
CHKD. BY: DV

ELV
FOURTH FLOOR PLAN
SHEET E10.4

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

NOTE:
• NEW BACKGROUND

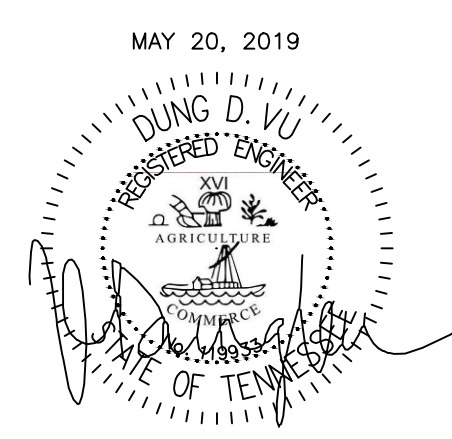
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MAY 20, 2019
**ALOFT
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DOWNTOWN**
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MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
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DRAWN BY: PL
CHKD. BY: DV

ELV
FIFTH FLOOR PLAN

SHEET E10.5

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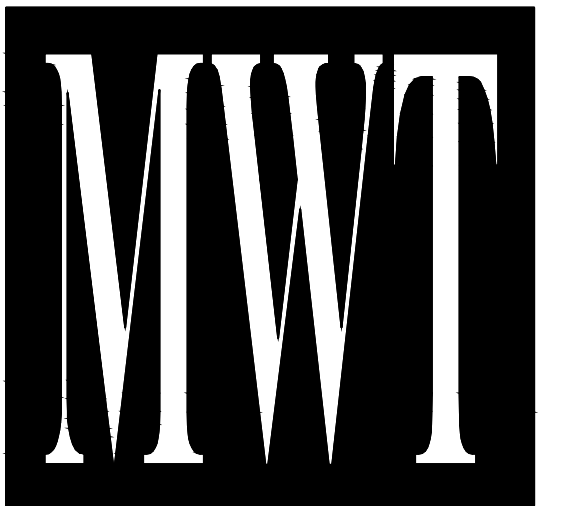
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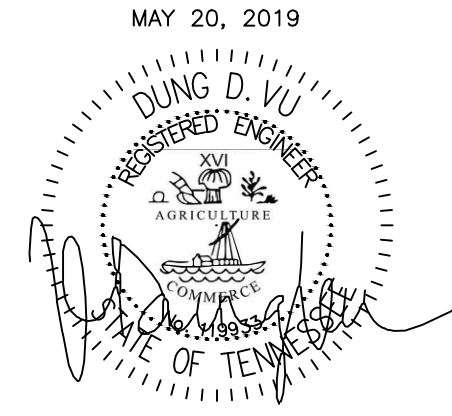
1 *ELV*
EIGHTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTE:
• NEW BACKGROUND



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CHKD. BY: DV

**ELV
EIGHTH FLOOR PLAN**

SHEET E10.8

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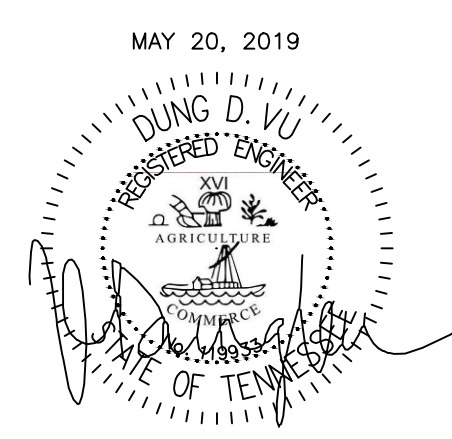
1 *ELV*
NINTH FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE:
• NEW BACKGROUND



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PROJECT NO.: 16 006
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CHKD. BY: DV

ELV
NINTH FLOOR PLAN

SHEET **E10.9**

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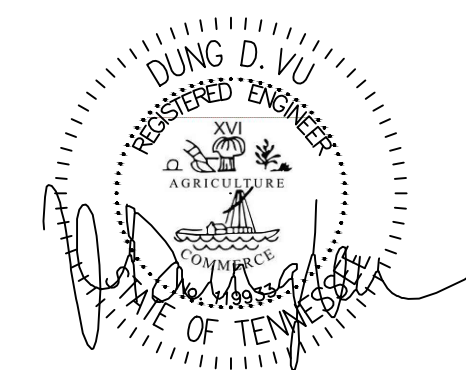
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MAY 20, 2019



**ALOFT
MEMPHIS
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PROJECT NO.: 16 006
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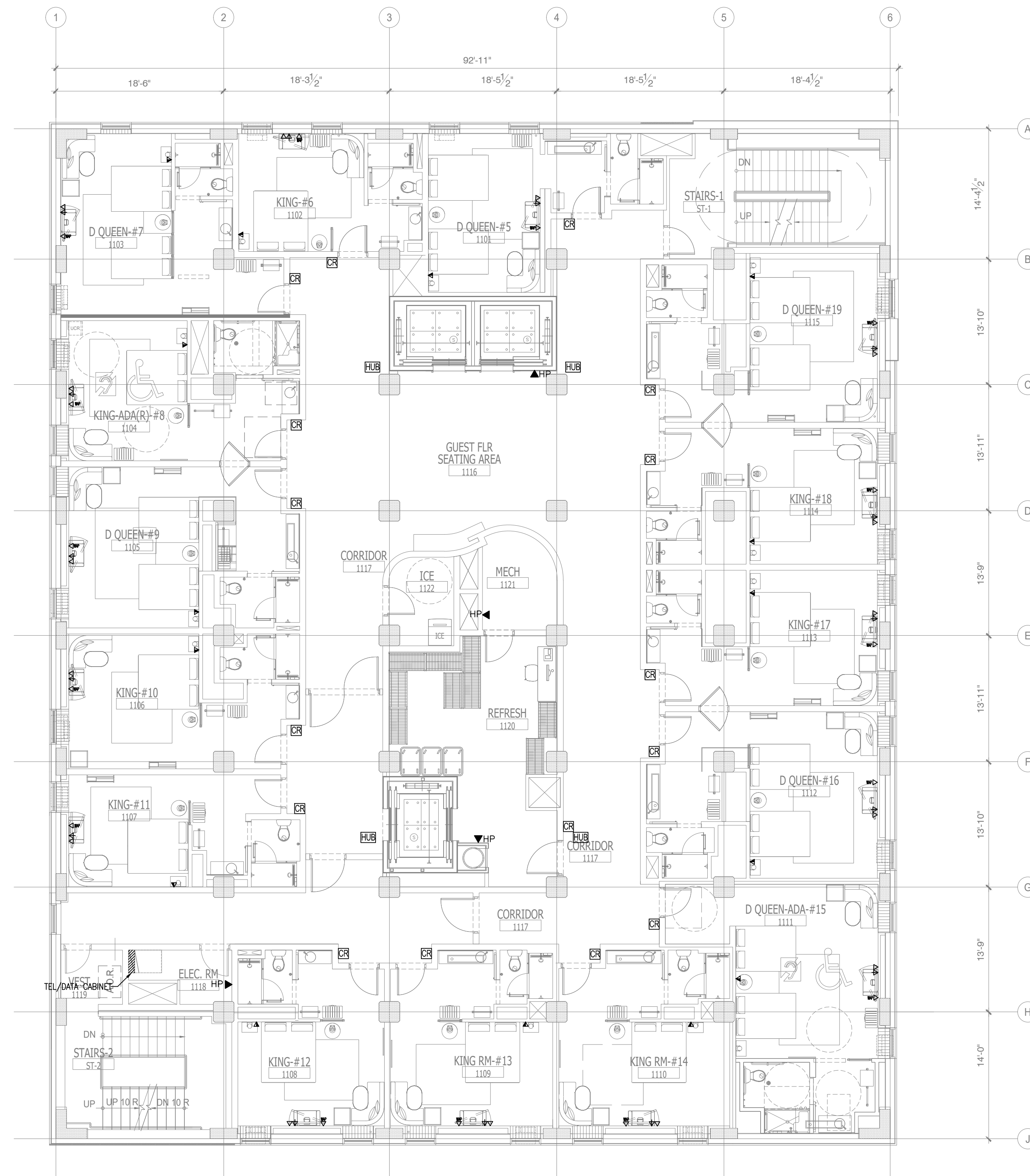
**ELV
TENTH FLOOR PLAN**

SHEET **E10.10**

1 **ELV
TENTH FLOOR PLAN**
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• NEW BACKGROUND

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IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:
1. YOU ARE A QUALIFIED CONTRACTOR AND/OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS, ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE: FIRE CAULK, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DIMENSIONERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



GENERAL NOTE:

- CONTRACTORS TO COORDINATE WITH OWNER FOR LOW-VOLTAGE SYSTEMS (PHONE, DATA, SECURITY, CCTV, etc)

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR DEMOLITION	06/09/17	PL
2	ISSUED TO FRANCHISE	06/09/17	PL
3	ISSUED FOR BID (ID ONLY)	07/21/17	PL
4	ISSUED TO FRANCHISE	08/17/17	PL
5	ISSUED FOR PERMIT	08/04/17	PL
6	FOR FINAL APPROVAL	10/02/17	PL
7	ISSUED FOR PERMIT	11/28/17	PL
8	ISSUED FOR PERMIT	02/21/18	PL
10	ISSUED TO FRANCHISE	04/23/19	PL
11	ISSUED TO FRANCHISE	05/20/19	PL

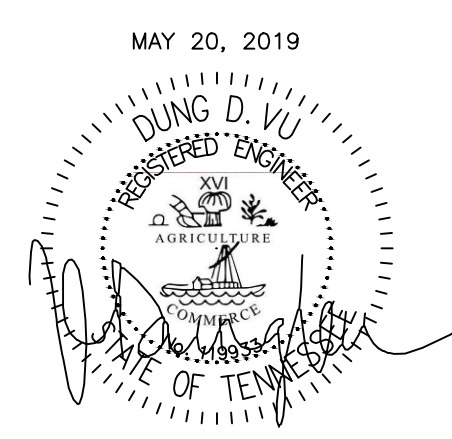
1 **ELV ELEVENTH FLOOR PLAN**
SCALE: 1/8" = 1'-0"

NOTE:
• NEW BACKGROUND



ARCHITECTURE
URBAN PLANNING
INTERIORS
HOTELS/ HOUSING/ MIXED USE
1800.630.3750
CA-SERVICES
ca@mwtusa.com / 1800.717.5816

WARNING
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE ARCHITECT, TO ALTER OR REPRODUCE THESE DRAWINGS IN ANY WAY.

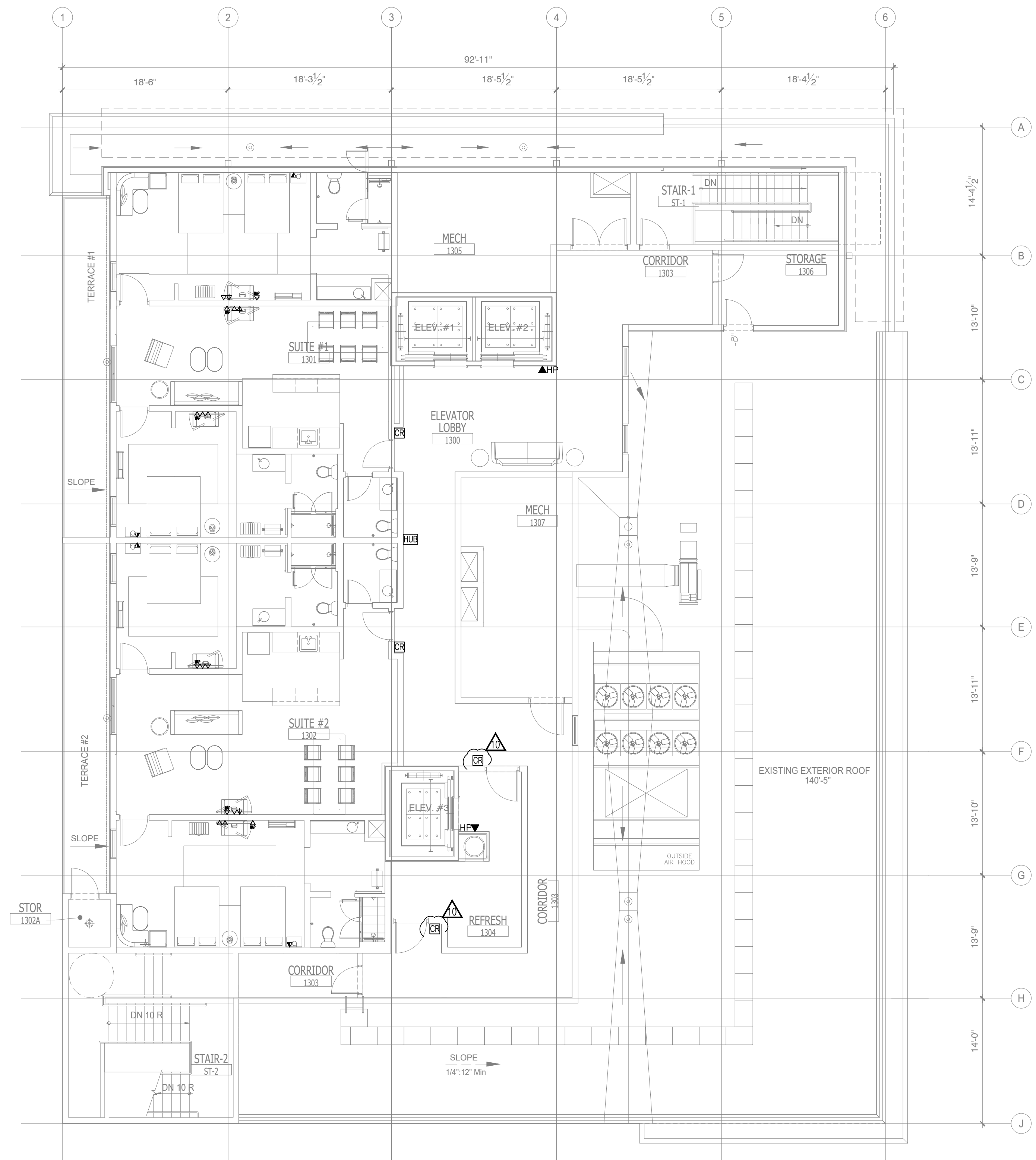


ALOFT MEMPHIS DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

ELV
ELEVENTH FLOOR PLAN
SHEET E10.11

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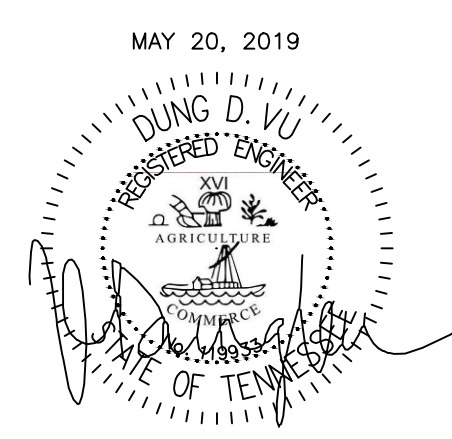
1 ELV PENTHOUSE FLOOR PLAN
SCALE: 1/8"=1'-0"

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