



REVISIONS	
1	9-2-2011 DESIGN REVISIONS
2	9-13-2011 ANSI/FHA COMMENTS
3	9-23-2011 DESIGN REVISIONS
4	10-17-2011 CONSTRUCTION ISSUE

KELLER SPRINGS LOFTS

LOFT APARTMENTS IN ADDISON, TEXAS



DATE
08-05-11

PROJECT
11129

SHEET NUMBER
E-1.4

METER CENTER LOADS

METER CENTER "MC17"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	19664 SF X 3 VA/SF 47.9 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	136000 VA 136.0 KVA
SUBTOTAL 591.9 KVA	
DEMAND FACTOR	591.9 KVA X 39 % 230.8 KVA
H.P.	20.0 KVA X 100 % 20.0 KVA
N.E.C. TABLE 220-84	
TOTAL	250.8 KVA 1045.2 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC14"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	13064 SF X 3 VA/SF 39.2 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	144000 VA 144.0 KVA
SUBTOTAL 591.2 KVA	
DEMAND FACTOR	591.2 KVA X 39 % 230.6 KVA
H.P.	20.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	230.6 KVA 960.7 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC11b"	
TOTAL UNITS SERVED = 12	
SQUARE FOOTAGE	10600 SF X 3 VA/SF 31.8 KVA
KITCHEN/LAUNDRY	4500 VA X 12 54.0 KVA
RANGES	8000 VA X 12 96.0 KVA
DRYERS	5000 VA X 12 60.0 KVA
DISPOSALS	800 VA X 12 9.6 KVA
DISHWASHERS	1200 VA X 12 14.4 KVA
MICROWAVE/HOOD	1500 VA X 12 18.0 KVA
WATER HEATERS	4500 VA X 12 54.0 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 433.8 KVA	
DEMAND FACTOR	433.8 KVA X 41 % 177.9 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	177.9 KVA 741.1 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC8"	
TOTAL UNITS SERVED = 9	
SQUARE FOOTAGE	8022 SF X 3 VA/SF 24.1 KVA
KITCHEN/LAUNDRY	4500 VA X 9 40.5 KVA
RANGES	8000 VA X 9 72.0 KVA
DRYERS	5000 VA X 9 45.0 KVA
DISPOSALS	800 VA X 9 7.2 KVA
DISHWASHERS	1200 VA X 9 10.8 KVA
MICROWAVE/HOOD	1500 VA X 9 13.5 KVA
WATER HEATERS	4500 VA X 9 40.5 KVA
TOTAL HVAC	72000 VA 72.0 KVA
SUBTOTAL 325.6 KVA	
DEMAND FACTOR	325.6 KVA X 43 % 140.0 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	140.0 KVA 583.3 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC4"	
TOTAL UNITS SERVED = 12	
SQUARE FOOTAGE	12464 SF X 3 VA/SF 37.4 KVA
KITCHEN/LAUNDRY	4500 VA X 12 54.0 KVA
RANGES	8000 VA X 12 96.0 KVA
DRYERS	5000 VA X 12 60.0 KVA
DISPOSALS	800 VA X 12 9.6 KVA
DISHWASHERS	1200 VA X 12 14.4 KVA
MICROWAVE/HOOD	1500 VA X 12 18.0 KVA
WATER HEATERS	4500 VA X 12 54.0 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 439.4 KVA	
DEMAND FACTOR	439.4 KVA X 41 % 180.2 KVA
H.P.	18.6 KVA X 100 % 18.6 KVA
N.E.C. TABLE 220-84	
TOTAL	198.8 KVA 828.1 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC1a"	
TOTAL UNITS SERVED = 12	
SQUARE FOOTAGE	12672 SF X 3 VA/SF 38.0 KVA
KITCHEN/LAUNDRY	4500 VA X 12 54.0 KVA
RANGES	8000 VA X 12 96.0 KVA
DRYERS	5000 VA X 12 60.0 KVA
DISPOSALS	800 VA X 12 9.6 KVA
DISHWASHERS	1200 VA X 12 14.4 KVA
MICROWAVE/HOOD	1500 VA X 12 18.0 KVA
WATER HEATERS	4500 VA X 12 54.0 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 440.0 KVA	
DEMAND FACTOR	440.0 KVA X 41 % 180.4 KVA
H.P.	23.6 KVA X 100 % 23.6 KVA
N.E.C. TABLE 220-84	
TOTAL	204.0 KVA 850.0 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC18"	
TOTAL UNITS SERVED = 20	
SQUARE FOOTAGE	18720 SF X 3 VA/SF 56.2 KVA
KITCHEN/LAUNDRY	4500 VA X 20 90.0 KVA
RANGES	8000 VA X 20 160.0 KVA
DRYERS	5000 VA X 20 100.0 KVA
DISPOSALS	800 VA X 20 16.0 KVA
DISHWASHERS	1200 VA X 20 24.0 KVA
MICROWAVE/HOOD	1500 VA X 20 30.0 KVA
WATER HEATERS	4500 VA X 20 90.0 KVA
TOTAL HVAC	168000 VA 168.0 KVA
SUBTOTAL 734.2 KVA	
DEMAND FACTOR	734.2 KVA X 38 % 279.0 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	279.0 KVA 1162.4 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC15"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	16028 SF X 3 VA/SF 48.1 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	128000 VA 128.0 KVA
SUBTOTAL 584.1 KVA	
DEMAND FACTOR	584.1 KVA X 39 % 227.8 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	227.8 KVA 949.1 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC12"	
TOTAL UNITS SERVED = 12	
SQUARE FOOTAGE	10512 SF X 3 VA/SF 31.5 KVA
KITCHEN/LAUNDRY	4500 VA X 12 54.0 KVA
RANGES	8000 VA X 12 96.0 KVA
DRYERS	5000 VA X 12 60.0 KVA
DISPOSALS	800 VA X 12 9.6 KVA
DISHWASHERS	1200 VA X 12 14.4 KVA
MICROWAVE/HOOD	1500 VA X 12 18.0 KVA
WATER HEATERS	4500 VA X 12 54.0 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 433.5 KVA	
DEMAND FACTOR	433.5 KVA X 41 % 177.7 KVA
H.P.	23.6 KVA X 100 % 23.6 KVA
N.E.C. TABLE 220-84	
TOTAL	201.3 KVA 839.0 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC9"	
TOTAL UNITS SERVED = 20	
SQUARE FOOTAGE	16800 SF X 3 VA/SF 50.7 KVA
KITCHEN/LAUNDRY	4500 VA X 20 90.0 KVA
RANGES	8000 VA X 20 160.0 KVA
DRYERS	5000 VA X 20 100.0 KVA
DISPOSALS	800 VA X 20 16.0 KVA
DISHWASHERS	1200 VA X 20 24.0 KVA
MICROWAVE/HOOD	1500 VA X 20 30.0 KVA
WATER HEATERS	4500 VA X 20 90.0 KVA
TOTAL HVAC	168000 VA 168.0 KVA
SUBTOTAL 728.7 KVA	
DEMAND FACTOR	728.7 KVA X 38 % 276.9 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	276.9 KVA 1153.8 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC5"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	17502 SF X 3 VA/SF 52.7 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	130000 VA 130.0 KVA
SUBTOTAL 590.7 KVA	
DEMAND FACTOR	590.7 KVA X 39 % 230.4 KVA
H.P.	26.6 KVA X 100 % 26.6 KVA
N.E.C. TABLE 220-84	
TOTAL	257.0 KVA 1070.6 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC1b"	
TOTAL UNITS SERVED = 11	
SQUARE FOOTAGE	9400 SF X 3 VA/SF 28.2 KVA
KITCHEN/LAUNDRY	4500 VA X 11 49.5 KVA
RANGES	8000 VA X 11 88.0 KVA
DRYERS	5000 VA X 11 55.0 KVA
DISPOSALS	800 VA X 11 8.8 KVA
DISHWASHERS	1200 VA X 11 13.2 KVA
MICROWAVE/HOOD	1500 VA X 11 16.5 KVA
WATER HEATERS	4500 VA X 11 49.5 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 404.7 KVA	
DEMAND FACTOR	404.7 KVA X 42 % 170.0 KVA
H.P.	21.5 KVA X 100 % 21.5 KVA
N.E.C. TABLE 220-84	
TOTAL	191.4 KVA 797.6 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC19"	
TOTAL UNITS SERVED = 20	
SQUARE FOOTAGE	17944 SF X 3 VA/SF 52.0 KVA
KITCHEN/LAUNDRY	4500 VA X 20 90.0 KVA
RANGES	8000 VA X 20 160.0 KVA
DRYERS	5000 VA X 20 100.0 KVA
DISPOSALS	800 VA X 20 16.0 KVA
DISHWASHERS	1200 VA X 20 24.0 KVA
MICROWAVE/HOOD	1500 VA X 20 30.0 KVA
WATER HEATERS	4500 VA X 20 90.0 KVA
TOTAL HVAC	178000 VA 178.0 KVA
SUBTOTAL 740.0 KVA	
DEMAND FACTOR	740.0 KVA X 38 % 281.2 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	281.2 KVA 1171.7 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC16a"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	14720 SF X 3 VA/SF 44.2 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	128000 VA 128.0 KVA
SUBTOTAL 580.2 KVA	
DEMAND FACTOR	580.2 KVA X 39 % 226.3 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	226.3 KVA 942.8 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC13a"	
TOTAL UNITS SERVED = 12	
SQUARE FOOTAGE	13176 SF X 3 VA/SF 39.5 KVA
KITCHEN/LAUNDRY	4500 VA X 12 54.0 KVA
RANGES	8000 VA X 12 96.0 KVA
DRYERS	5000 VA X 12 60.0 KVA
DISPOSALS	800 VA X 12 9.6 KVA
DISHWASHERS	1200 VA X 12 14.4 KVA
MICROWAVE/HOOD	1500 VA X 12 18.0 KVA
WATER HEATERS	4500 VA X 12 54.0 KVA
TOTAL HVAC	96000 VA 96.0 KVA
SUBTOTAL 441.5 KVA	
DEMAND FACTOR	441.5 KVA X 41 % 181.0 KVA
H.P.	11.4 KVA X 100 % 11.4 KVA
N.E.C. TABLE 220-84	
TOTAL	192.4 KVA 801.8 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC10"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	13568 SF X 3 VA/SF 40.7 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	128000 VA 128.0 KVA
SUBTOTAL 576.7 KVA	
DEMAND FACTOR	576.7 KVA X 39 % 224.9 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	224.9 KVA 937.1 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC6"	
TOTAL UNITS SERVED = 20	
SQUARE FOOTAGE	15844 SF X 3 VA/SF 47.5 KVA
KITCHEN/LAUNDRY	4500 VA X 20 90.0 KVA
RANGES	8000 VA X 20 160.0 KVA
DRYERS	5000 VA X 20 100.0 KVA
DISPOSALS	800 VA X 20 16.0 KVA
DISHWASHERS	1200 VA X 20 24.0 KVA
MICROWAVE/HOOD	1500 VA X 20 30.0 KVA
WATER HEATERS	4500 VA X 20 90.0 KVA
TOTAL HVAC	168000 VA 168.0 KVA
SUBTOTAL 725.5 KVA	
DEMAND FACTOR	725.5 KVA X 38 % 275.7 KVA
H.P.	0.0 KVA X 100 % 0.0 KVA
N.E.C. TABLE 220-84	
TOTAL	275.7 KVA 1148.8 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC2"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	14636 SF X 3 VA/SF 43.9 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	138000 VA 138.0 KVA
SUBTOTAL 589.9 KVA	
DEMAND FACTOR	589.9 KVA X 39 % 230.1 KVA
H.P.	8.0 KVA X 100 % 8.0 KVA
N.E.C. TABLE 220-84	
TOTAL	238.1 KVA 991.9 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC20"	
TOTAL UNITS SERVED = 16	
SQUARE FOOTAGE	14676 SF X 3 VA/SF 44.0 KVA
KITCHEN/LAUNDRY	4500 VA X 16 72.0 KVA
RANGES	8000 VA X 16 128.0 KVA
DRYERS	5000 VA X 16 80.0 KVA
DISPOSALS	800 VA X 16 12.8 KVA
DISHWASHERS	1200 VA X 16 19.2 KVA
MICROWAVE/HOOD	1500 VA X 16 24.0 KVA
WATER HEATERS	4500 VA X 16 72.0 KVA
TOTAL HVAC	128000 VA 128.0 KVA
SUBTOTAL 580.0 KVA	
DEMAND FACTOR	580.0 KVA X 39 % 226.2 KVA
H.P.	33.2 KVA X 100 % 33.2 KVA
N.E.C. TABLE 220-84	
TOTAL	259.4 KVA 1080.9 AMPS
VOLTAGE: 240/120 PHASE: 1	

METER CENTER "MC16b"	
TOTAL UNITS SERVED = 8	
SQUARE FOOTAGE	8372 SF X 3 VA/SF 25.1 KVA
KITCHEN/LAUNDRY	4500 VA X 8 36.0 KVA
RANGES	8000 VA X 8 64.0 KVA
DRYERS	5000 VA X 8 40.0 KVA
DISPOSALS	800 VA X 8 6.4 KVA
DISHWASHERS	1200 VA X 8 9.6 KVA
MICROWAVE/HOOD	1500 VA X 8 12.0 KVA
WATER HEATERS	4500 VA X 8 36.0 KVA
TOTAL HVAC	