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JOB PROGRESS:
 ITEM: DATE:

REVISIONS:
 TAG: DATE:

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ALEXANDRIA
 AN APARTMENT COMMUNITY
 FOR
Bobo Family Group
 HUNTSVILLE, ALABAMA

JOB NUMBER:

DRAWN BY:

CHECKED BY:

ELECTRICAL RISER DIAGRAMS

SHEET NO.

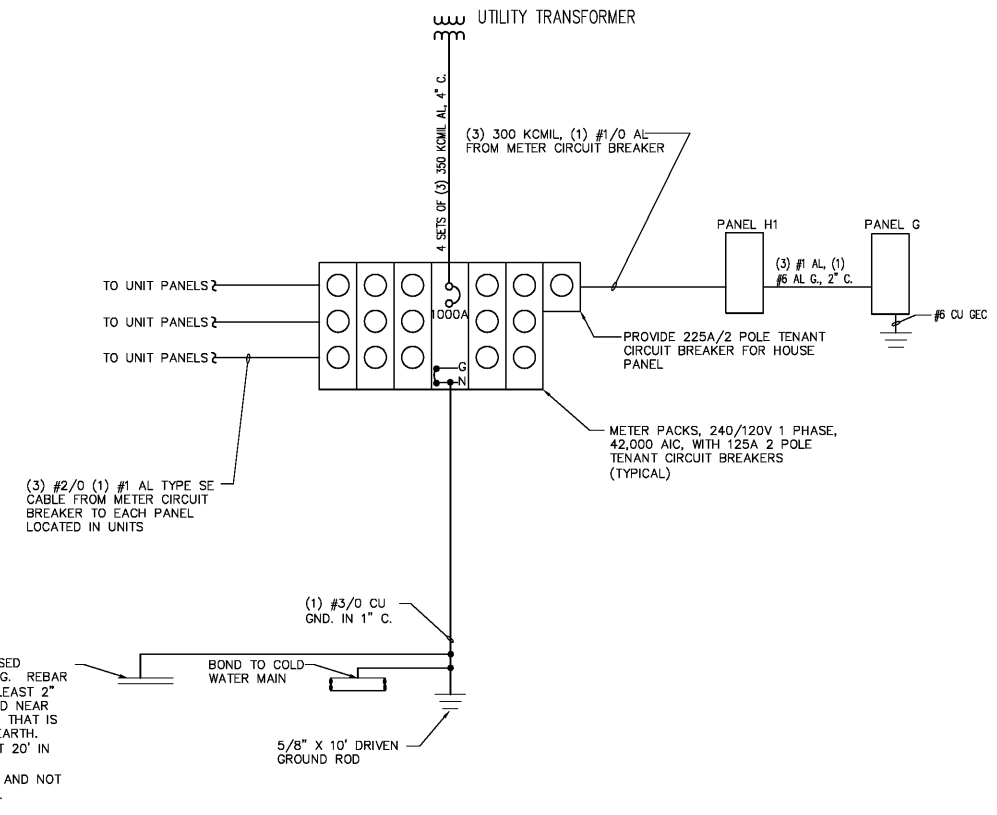
E-16.1

BLDG 1 SERVICE A CALCULATION
 240/120V 1 PHASE 3 WIRE
 PER NEC 2014, ART. 220.84 - MULTIFAMILY DWELLING
 14364 TOTAL S.F. 15 DWELLING UNITS

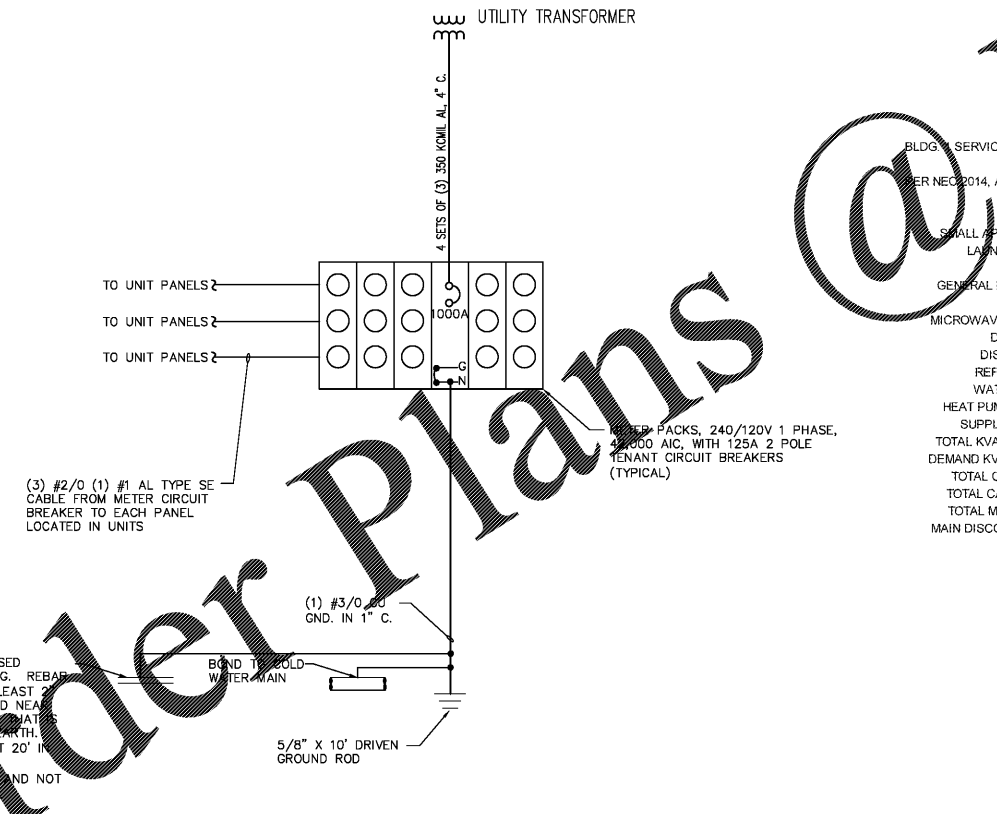
CIRCUIT	V.A.S.F.	LOAD (KVA)	DF	TOTAL LOAD (KVA)
SMALL APPLIANCE CIRCUITS	-	45.0	1.0	45.0
LAUNDRY CIRCUITS	-	22.5	1.0	22.5
DRYERS	-	75.0	1.0	75.0
GENERAL LTG. RECEPTACLES	3	43.1	1.0	43.1
RANGES	-	120.0	1.0	120.0
MICROWAVES/EXHAUST HOODS	-	15.0	1.0	15.0
DISPOSALS	-	12.0	1.0	12.0
DISHWASHERS	-	10.5	1.0	10.5
REFRIGERATORS	-	12.0	1.0	12.0
WATER HEATERS	-	67.5	1.0	67.5
HEAT PUMP COMPRESSORS	-	47.4	1.0	47.4
SUPPLEMENTAL HEAT	-	75	0.65	48.8
TOTAL KVA (DWELLING UNITS)	-	-	-	518.7
DEMAND KVA (DWELLING UNITS)	-	-	0.4	207.5
HOUSE LTG.	-	1.9	1.0	1.9
HOUSE RECEPT.	-	0.8	NEC	0.8
HOUSE MOTORS	-	0.0	1.0	0.0
HOUSE HVAC	-	0.5	1.0	0.5
HOUSE EQUIPMENT	-	1.0	1.0	1.0
TOTAL CALCULATED KVA	-	-	-	211.7
TOTAL CALCULATED AMPS	-	-	-	882.2
TOTAL METERS REQUIRED	-	-	-	16
MAIN DISCONNECT SIZE (AMPS)	-	-	-	1000

BLDG 1 SERVICE B CALCULATION
 240/120V 1 PHASE 3 WIRE
 PER NEC 2014, ART. 220.84 - MULTIFAMILY DWELLING
 14364 TOTAL S.F. 15 DWELLING UNITS

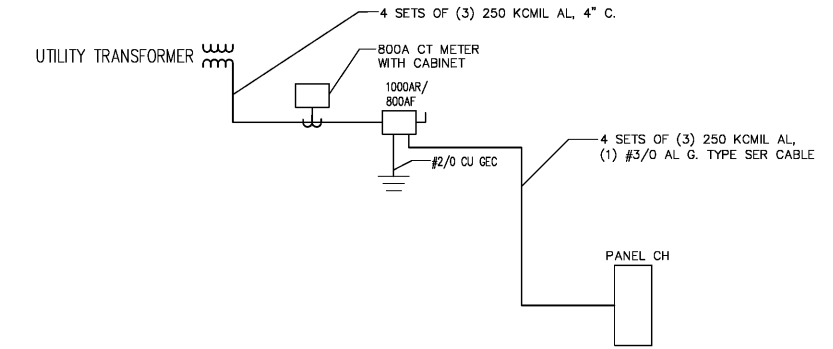
CIRCUIT	V.A.S.F.	LOAD (KVA)	DF	TOTAL LOAD (KVA)
SMALL APPLIANCE CIRCUITS	-	45.0	1.0	45.0
LAUNDRY CIRCUITS	-	22.5	1.0	22.5
DRYERS	-	75.0	1.0	75.0
GENERAL LTG. RECEPTACLES	3	43.1	1.0	43.1
RANGES	-	120.0	1.0	120.0
MICROWAVES/EXHAUST HOODS	-	15.0	1.0	15.0
DISPOSALS	-	12.0	1.0	12.0
DISHWASHERS	-	10.5	1.0	10.5
REFRIGERATORS	-	12.0	1.0	12.0
WATER HEATERS	-	67.5	1.0	67.5
HEAT PUMP COMPRESSORS	-	47.4	1.0	47.4
SUPPLEMENTAL HEAT	-	75	0.65	48.8
TOTAL KVA (DWELLING UNITS)	-	-	-	518.7
DEMAND KVA (DWELLING UNITS)	-	-	0.4	207.5
TOTAL CALCULATED KVA	-	-	-	207.5
TOTAL CALCULATED AMPS	-	-	-	864.5
TOTAL METERS REQUIRED	-	-	-	15
MAIN DISCONNECT SIZE (AMPS)	-	-	-	1000



1 ELECTRICAL RISER DIAGRAM - BLDG. 1A
 E-16.1 NOT TO SCALE



2 ELECTRICAL RISER DIAGRAM - BLDG. 1B
 E-16.1 NOT TO SCALE



3 ELECTRICAL RISER DIAGRAM - LEASING OFFICE
 E-16.1 NOT TO SCALE

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