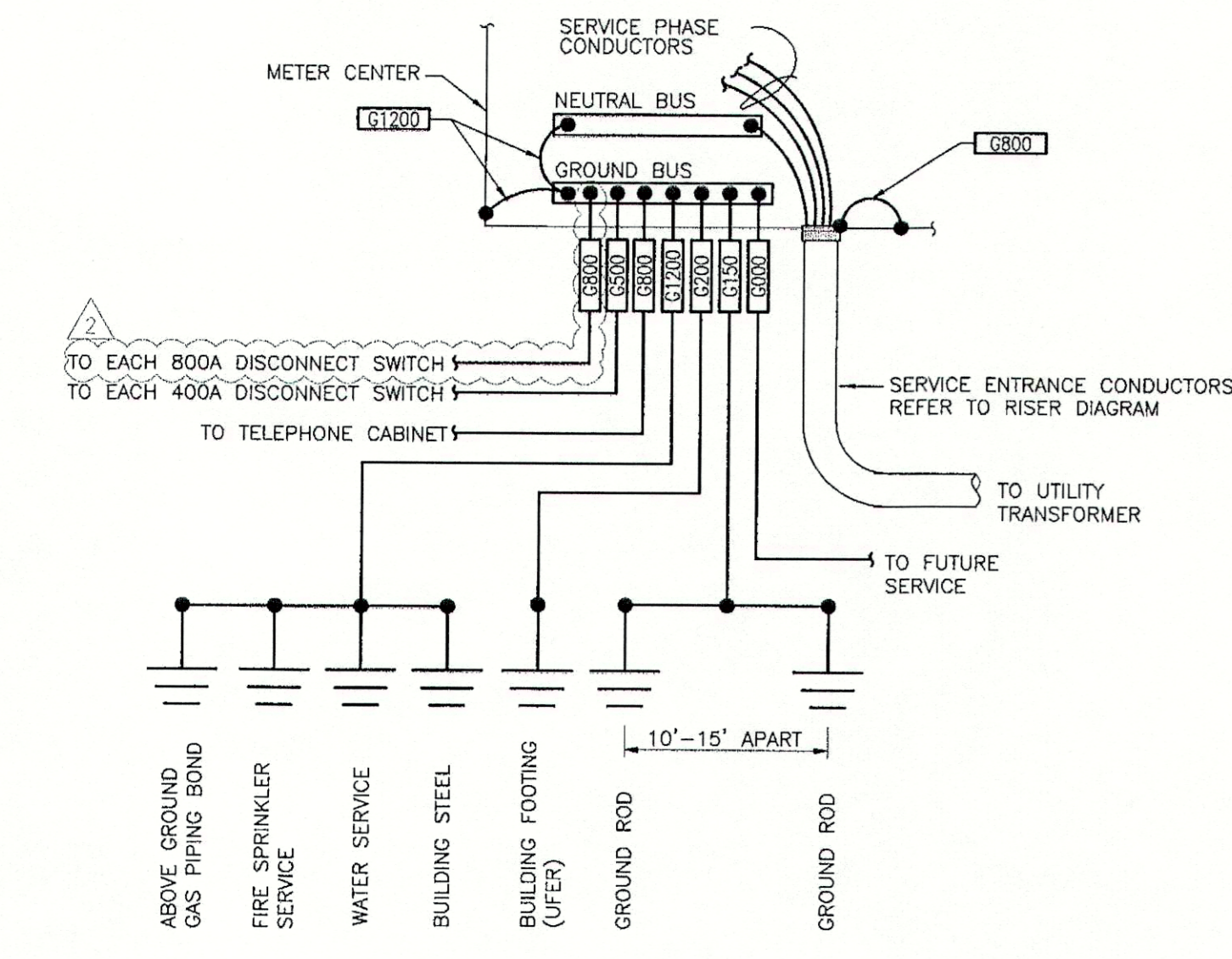
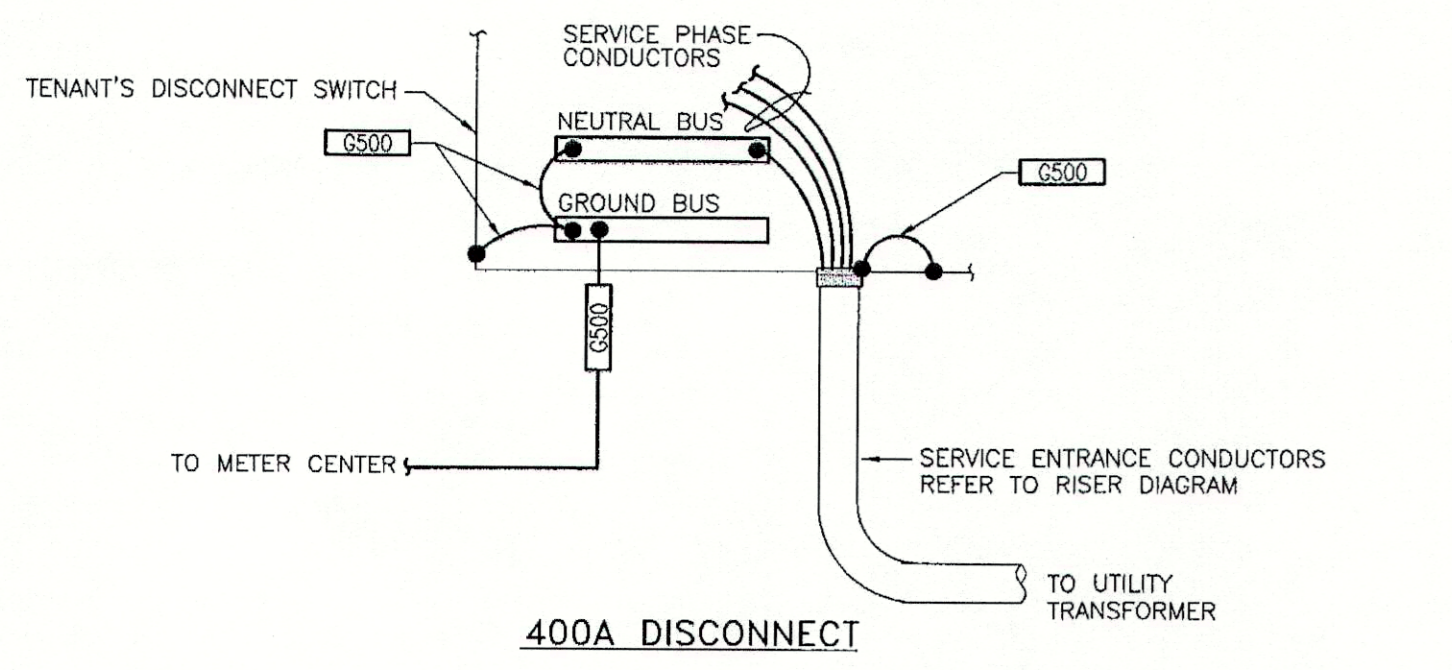
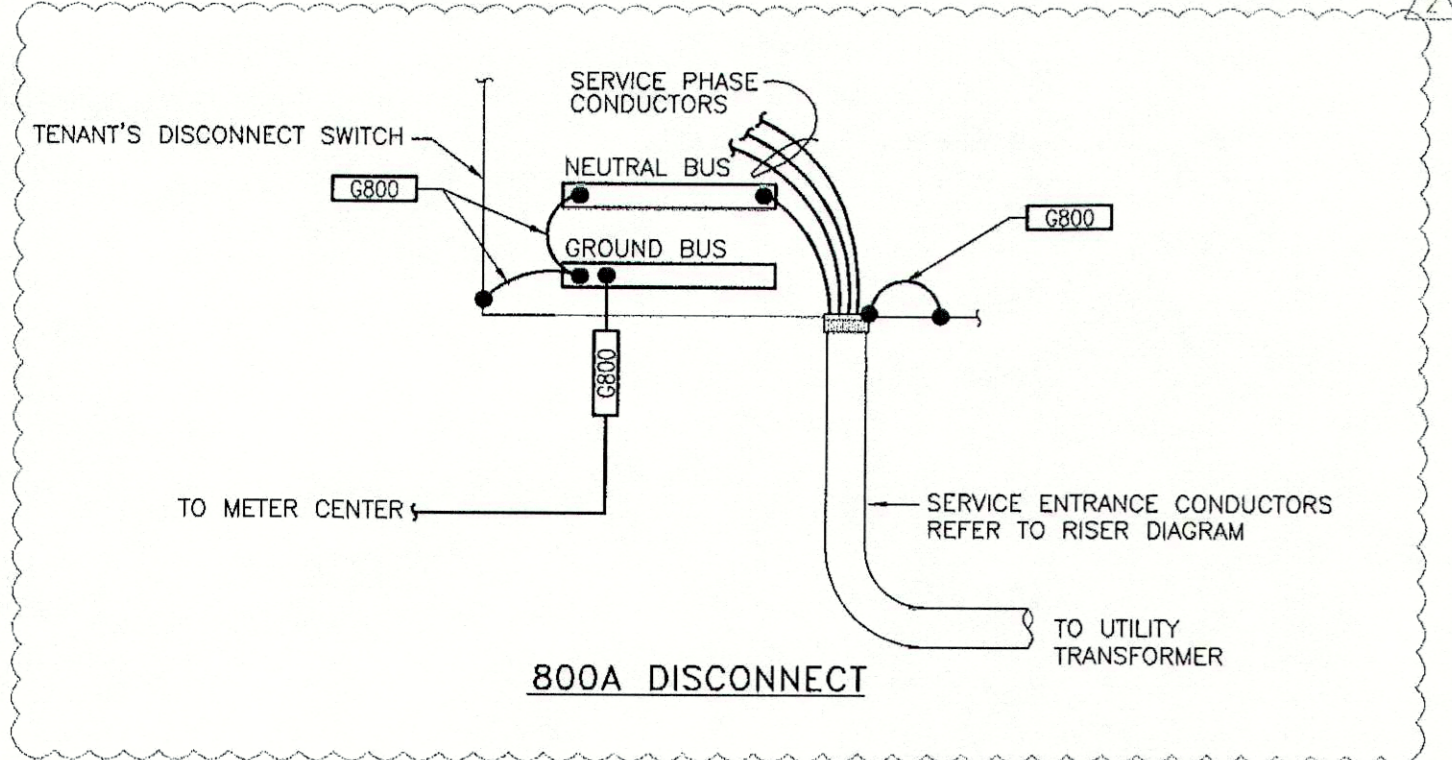


REFER TO PANELBOARD SCHEDULES FOR FAULT CURRENTS AND AIC RATINGS.

THE CALCULATED AVAILABLE FAULT CURRENT IS 22,292 AMPS. SHORT CIRCUIT VALUES ARE BASED ON INFINITE BUS, IMPEDANCE OF 4%, A 300KVA PAD MOUNTED UTILITY TRANSFORMER, AND SERVICE ENTRANCE LATERAL LENGTH OF 65'-0". COORDINATE WITH ELECTRICAL UTILITY COMPANY AND CIVIL DRAWINGS. ADJUST THE AIC RATING OF ALL PANELBOARDS IF THE ACTUAL AVAILABLE FAULT CURRENT FROM THE UTILITY COMPANY IS GREATER THAN THE CALCULATED VALUE. DO NOT REDUCE AIC RATINGS IF LESS THAN CALCULATED VALUE.

COORDINATE CONDUIT AND CONDUCTOR TERMINATION REQUIREMENTS AT THE TRANSFORMER WITH THE LOCAL ELECTRIC UTILITY COMPANY.



CIRCUIT SCHEDULE:

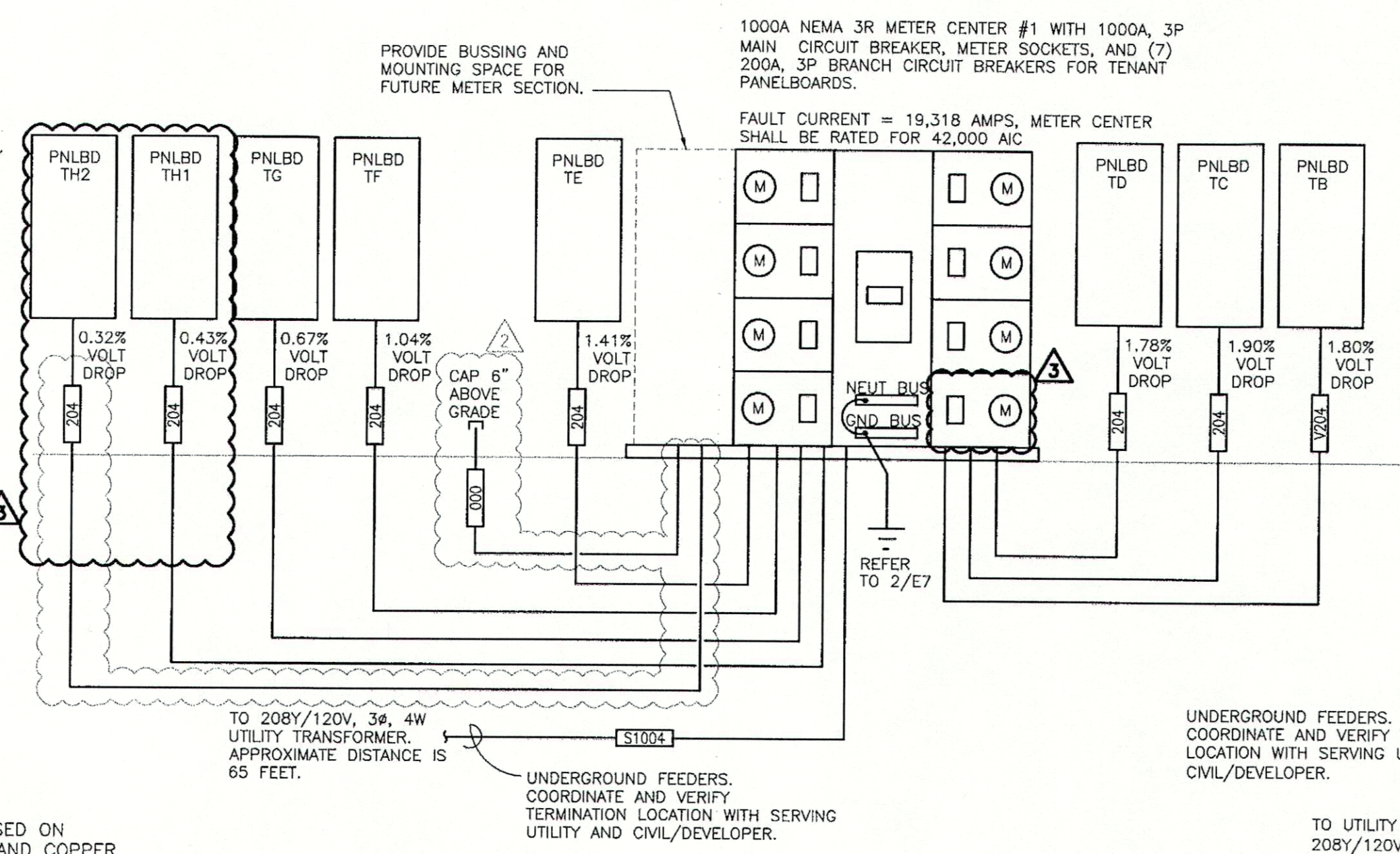
ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATION AND COPPER CONDUCTORS WITH TYPE THHN/THWN-2 INSULATION. WHERE ALUMINUM CONDUCTORS ARE ALLOWED PER SPECIFICATIONS AND FOR TERMINATION OR INSULATION TYPES RATED LESS THAN 75 DEG C, MODIFY SIZES ACCORDING TO NFPA 70.

- 2" EMPTY CONDUIT
- 204 200A (4)#3/0, (1)#6G, 2" C
- 224 225A (4)#4/0, (1)#4G, 2-1/2" C
- 804 800A (3) 3" C, EACH W/ (4)-300kcmil, (1) #2/0G
- 1" CONDUIT FOR FUTURE GROUND
- G1200 GND, #3/0 COPPER GROUND, 1" C
- G150 GND, #6 COPPER GROUND, 3/4" C
- G200 GND, #4 COPPER GROUND, 3/4" C
- G300 GND, #1/0 COPPER GROUND, 1" C
- G800 GND, #2/0 COPPER GROUND, 1" C
- S1004 1000A (3) 3" C, EACH W/ (4)-400kcmil
- S404 400A (2) 2" C, EACH W/ (4)#3/0
- S804 800A (3) 3" C, EACH W/ (4)-300kcmil
- V204 200A (4)#4/0, (1)#4G, 2-1/2" C

THE CALCULATED AVAILABLE FAULT CURRENT IS 22,292 AMPS. SHORT CIRCUIT VALUES ARE BASED ON INFINITE BUS, IMPEDANCE OF 4%, A 300KVA PAD MOUNTED UTILITY TRANSFORMER, AND SERVICE ENTRANCE LATERAL LENGTH OF 140'-0". COORDINATE WITH ELECTRICAL UTILITY COMPANY AND CIVIL DRAWINGS. ADJUST THE AIC RATING OF ALL PANELBOARDS IF THE ACTUAL AVAILABLE FAULT CURRENT FROM THE UTILITY COMPANY IS GREATER THAN THE CALCULATED VALUE. DO NOT REDUCE AIC RATINGS IF LESS THAN CALCULATED VALUE.

COORDINATE CONDUIT AND CONDUCTOR TERMINATION REQUIREMENTS AT THE TRANSFORMER WITH THE LOCAL ELECTRIC UTILITY COMPANY.

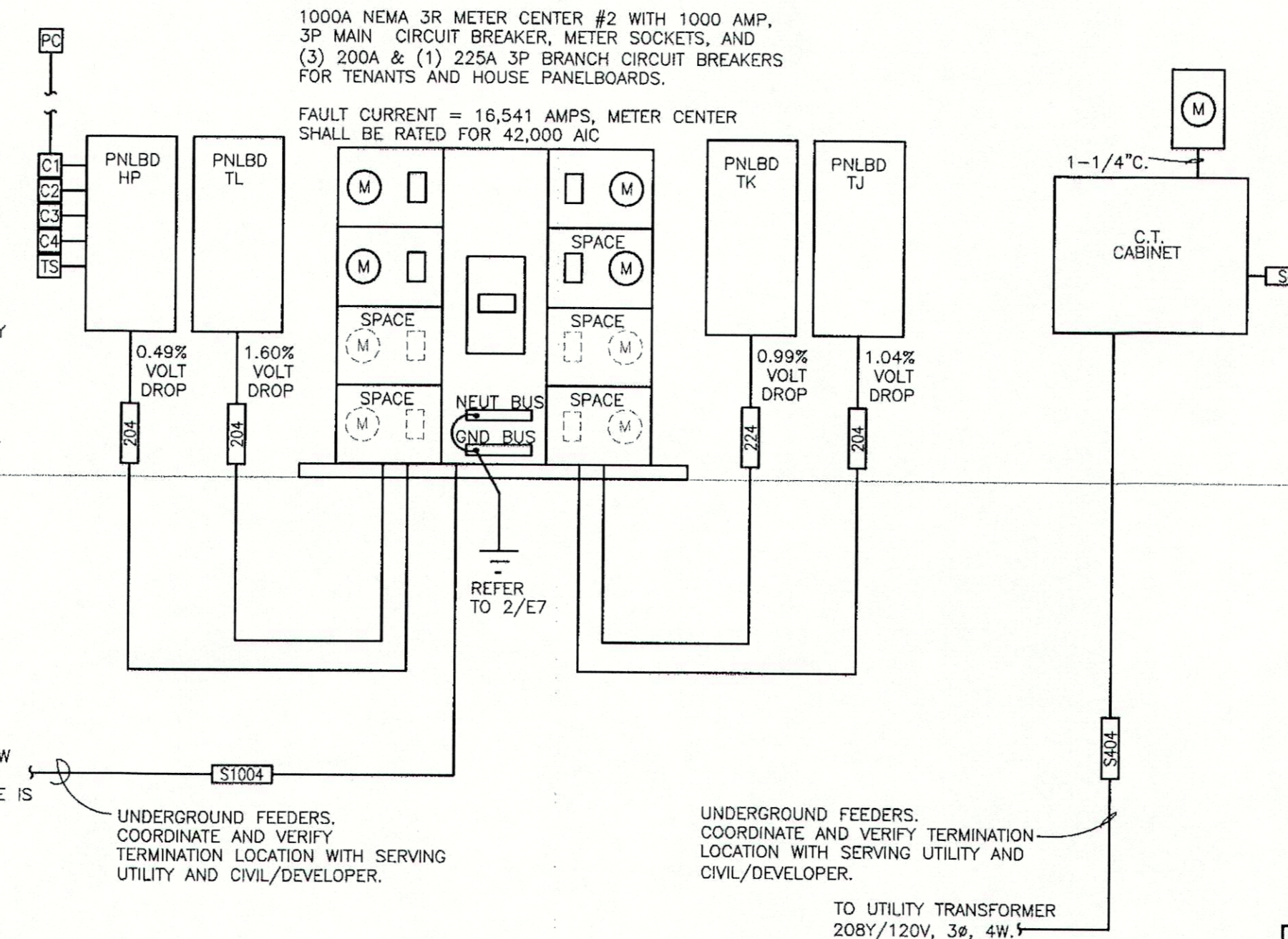
LABEL METERCENTER #1 OF 2



METER CENTER #1 ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	Connected KVA	Demand Factor	Demand KVA
HVAC - SUMMER	86.69	100%	86.69
HVAC - WINTER	0.00	100%	0.00
LIGHTING (PER NEC-220)	57.12	125%	71.40
RECEPTACLES	15.66	100%/50%	12.83
MOTOR LOADS	18.21	100%	18.21
LARGEST MOTOR LOAD	3.96	125%	4.95
SUPPLEMENTAL ELECTRIC HEAT	16.48	100%	16.48
MISCELLANEOUS EQUIPMENT	6.46	100%	6.46
SHOW WINDOW / TRACK LIGHTING	36.30	PER NEC	49.38
TOTAL LOAD	240.87	KVA	262.39
TOTAL AMPACITY	669.59	AMPS	728.32
SERVICE AMPACITY	1000	AMPS	1000.00
SPARE CAPACITY		AMPS	272

LABEL METERCENTER #2 OF 2



METER CENTER #2 ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	Connected KVA	Demand Factor	Demand KVA
HVAC - SUMMER	81.09	100%	81.09
HVAC - WINTER	0.00	100%	0.00
LIGHTING (PER NEC-220)	47.10	125%	58.88
RECEPTACLES	9.84	100%/50%	9.84
MOTOR LOADS	14.60	100%	14.60
LARGEST MOTOR LOAD	3.96	125%	4.95
SUPPLEMENTAL ELECTRIC HEAT	4.50	100%	4.50
MISCELLANEOUS EQUIPMENT	4.51	100%	4.51
DISPLAY CASE/SIGNAGE	27.60	125%	34.50
SHOW WINDOW / TRACK LIGHTING	23.20	PER NEC	29.00
EXTERIOR LIGHTING	17.13	125%	21.41
TOTAL LOAD	233.54	KVA	263.28
TOTAL AMPACITY	648.23	AMPS	730.80
SERVICE AMPACITY	1000	AMPS	1000.00
SPARE CAPACITY		AMPS	269

REVISION #3	REVISION #4	REVISION #5	DATE	DESCRIPTION	BY
A	3/04/08				
B	6/05/08				
C	3/12/04/08				

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 Fax: 985.447.7009

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 PROFESSIONAL ENGINEER
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PROPOSED RETAIL DEVELOPMENT
 CITY OF BOULTE
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 FOR THE SPECTRA GROUP, INC.
 MEMPHIS, TENNESSEE

DRAWN: FLS
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 DATE: 8/18/07
 SCALE: AS NOTED ON DWG
 PROJECT NO.: 0760001106
 FILE: 0760001106E7.DWG
 SHEET: E7

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