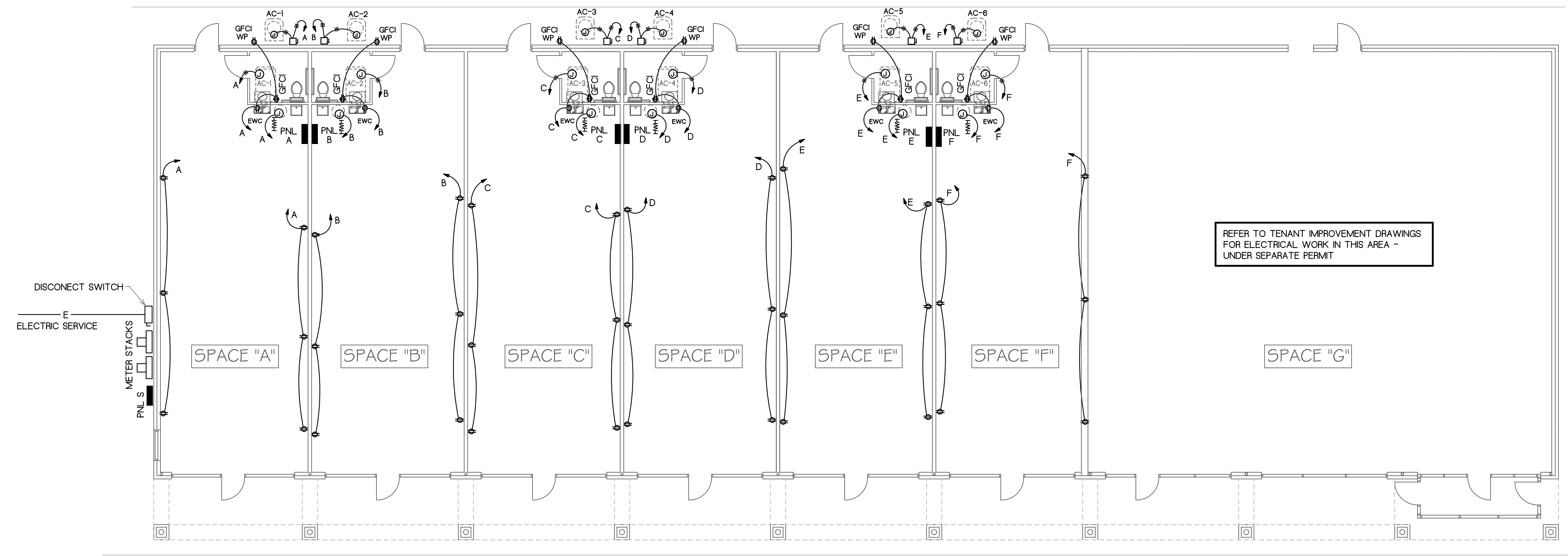


Friday, October 30, 2009

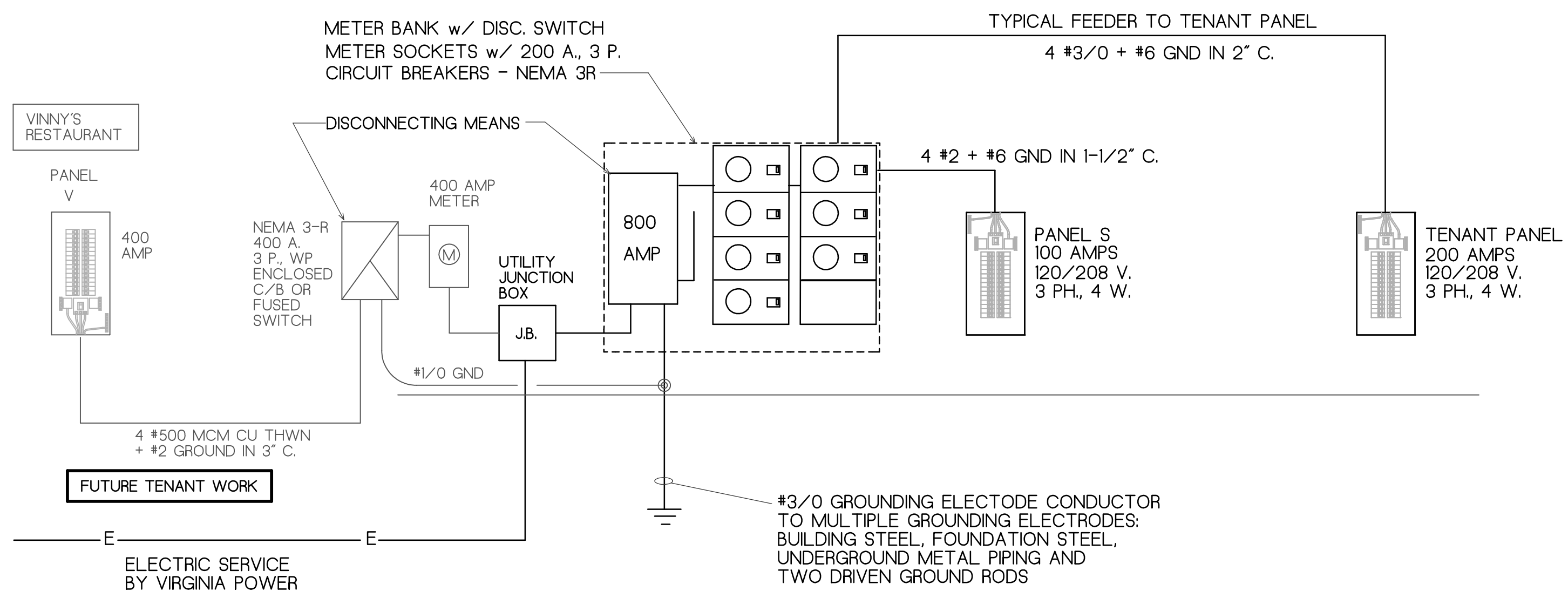


POWER FLOOR PLAN
 SCALE: 1/8" = 1' - 0"

PANEL SCHEDULES					
TYPICAL TENANT PANEL 200 AMP					
120/208 VOLT, 3 PHASE, 4 WIRE - w/ 200 A MAIN CIRCUIT BREAKER 10,000 A.I.C. AVAILABLE FAULT CURRENT (VERIFY w/ DOMINION VIRGINIA POWER PRIOR TO ORDERING) SURFACE MOUNTED w/ DOOR-IN-DOOR HINGED BOX COVER & COPPER BUS					
No. OF CKTS	POLES	TRIP	LOAD SERVED	WIRE & CONDUIT	LOAD KVA
1	3	10	AHU w/ 20 KW AUX. ELECTRIC HEATER	3 #2 + #6 GND - 1-1/2" C.	20
1	3	35	HEAT PUMP OUTDOOR UNIT	3 #10 + #10 GND - 3/4" C.	6
1	1	20	WATER COOLER	2 #12 + #12 GND - 3/4" C.	1
1	1	20	WATER HEATER (VERIFY 15 KW)	2 #12 + #12 GND - 3/4" C.	15
2	1	20	RECEPTACLES	2 #12 + #12 GND - 3/4" C.	3
1	1	20	LIGHTS	2 #12 + #12 GND - 3/4" C.	2
31	1	20	SPARES		
CONNECTED LOAD =					33.5 kW
BALANCED 3 PH. AMPS =					179 A
PANEL S 100 AMP					
120/208 VOLT, 3 PHASE, 4 WIRE - 100 A MAIN CIRCUIT BREAKER 25,000 A.I.C. AVAILABLE FAULT CURRENT - (VERIFY w/ DOMINION VIRGINIA POWER) SURFACE MOUNTED w/ NEMA 3-R ENCLOSURE					
No. OF CKTS	POLES	TRIP	LOAD SERVED	WIRE & CONDUIT	LOAD KVA
1	1	20	PORCH LIGHTS	2 #12 + #12 GND - 3/4" C.	1
10	1	20	FUTURE PORCH & PARKING LOT LIGHTS	2 #10 + #10 GND - 3/4" C.	10
20	1	20	SIGNS	2 #12 + #12 GND - 3/4" C.	20
11	1	20	SPARE		
CONNECTED LOAD =					31 kW
BALANCED 3 PH. AMPS =					86 A

REFER TO TENANT IMPROVEMENT DRAWINGS FOR ADDITIONAL INFORMATION - UNDER SEPARATE PERMIT

NOTE: FEEDER TO TENANT PANELS AND HEAT PUMP OUTDOOR UNITS MAY BE RUN UNDER SLAB.



POWER RISER DIAGRAM
 NOT TO SCALE

NOTES:

- ELECTRICAL CONTRACTOR SHALL DESIGNATE AT LEAST TWO METHODS OF GROUNDING AS REQUIRED BY ART. 250 OF THE N.E.C. VERIFY APPROVAL OF ELECTRICAL INSPECTOR PRIOR TO COMMENCING WORK.
- VERIFY AVAILABLE FAULT CURRENT PRIOR TO ORDERING ELECTRIC GEAR.
- VERIFY LOCATIONS OF RECEPTACLES, SWITCHES AND TELEPHONE/DATA OUTLETS PRIOR TO INSTALLATION OF BRANCH CIRCUIT WIRING. FIELD VERIFY LOCATION OF EACH OUTLET, WITH OWNER, PRIOR TO ROUGH-IN.
- WORK SHALL COMPLY WITH VIRGINIA UNIFORM STATEWIDE BUILDING CODE AND NEC.

FEEDER CONDUCTOR SIZES SHOWN ARE COPPER. EQUIVALENT CAPACITY ALUMINUM MAY BE USED WITH APPROPRIATE CONDUIT SIZE.