

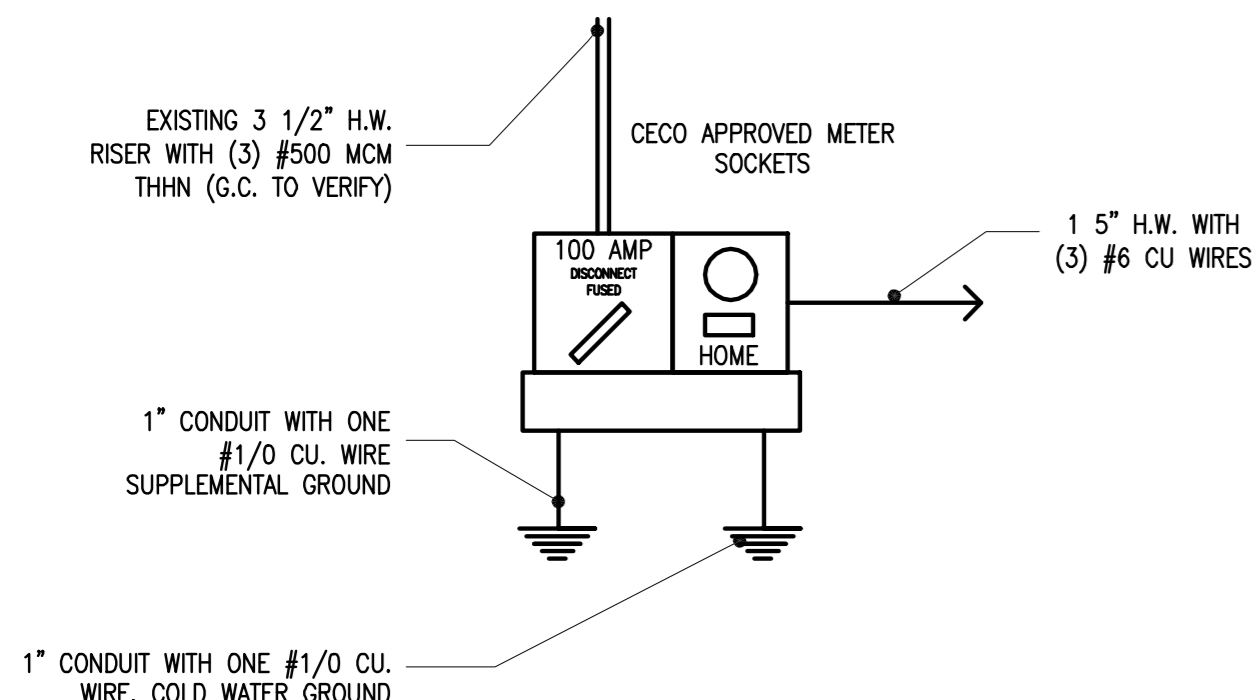
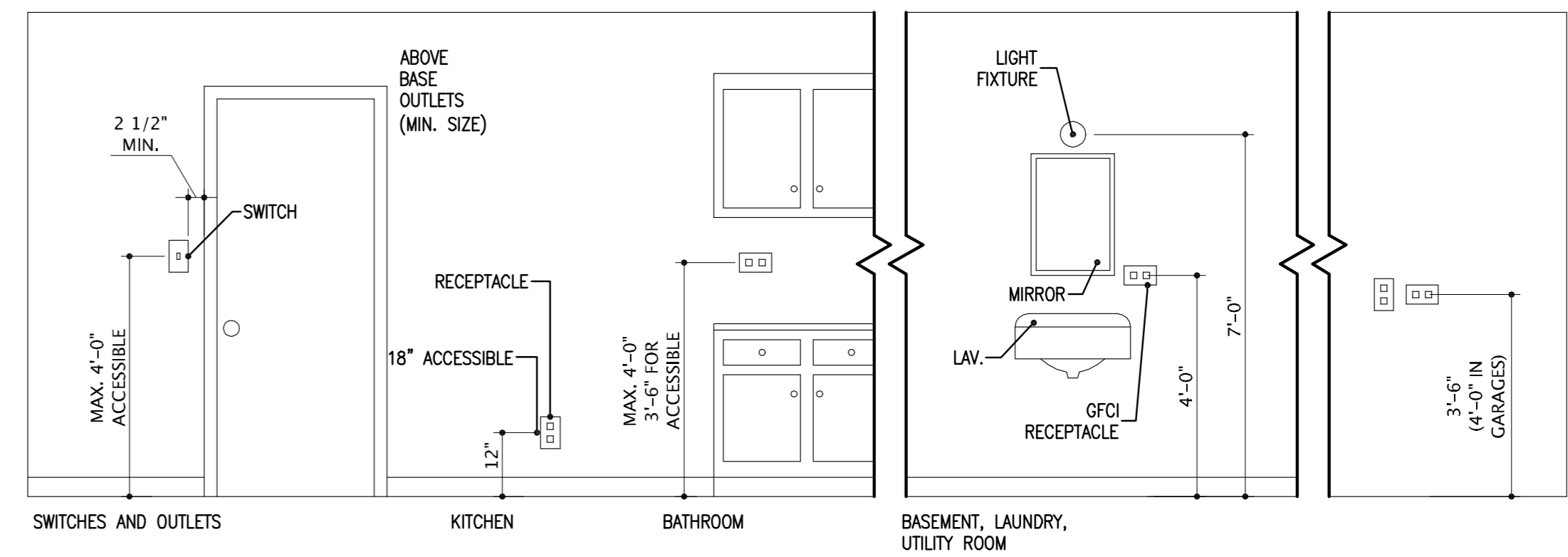
1	OWNER APPROVED
DATE:	01/20/2009
2	ISSUED FOR PERMITS
DATE:	02/16/2009
3	
DATE:	

1	
2	
3	

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**ELECTRICAL NOTES:**

- ELECTRICAL AS SHOWN ON PLANS IS SCHEMATIC ONLY!
- COORDINATE ALL WORK SHOWN HERE WITH ARCHITECTURAL, HEATING AND PLUMBING DRAWINGS.
- ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND ORDINANCES.
- ELECTRICAL CONTRACTOR IS TO VERIFY FINAL OUTLET, SWITCH, AND FIXTURE LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- MAINTAIN A MIN OF 10% FREE ELECTRICAL PANEL SPACE FOR FUTURE EXPANSION
- THE LOW VOLTAGE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL LOW VOLTAGE SPECIAL SYSTEMS INCLUDING: SECURITY, STEREO, INTERCOM, TELEVISION, TELEPHONE, ETC., (VERIFY WITH OWNER).
- ELECTRICAL CONTRACTOR TO BID DIMMER SWITCHES THROUGHOUT OR AS DIRECTED BY OWNER.
- SMOKE DETECTORS TO BE INTERCONNECTED AND WIRED IN SEQUENCE SO THAT IF ONE IS ACTIVATED ALL ARE ACTIVATED. 110v WITH A BATTERY BACKUP
- MAIN DISCONNECT PANEL PER CODE 120/240/V 1 PHASE, 3W, 40 CKTS. PROVIDE GROUND CONDUCTOR TO WATER MAIN ON STREET SIDE, PROVIDE SUPPLEMENTARY GROUND.
- CONTRACTOR TO VERIFY EXISTING ELECTRICAL INSTALLATIONS
- PROVIDE 20 AMP CIRCUIT FOR BATH RECEPTACLES
- CENTRAL HEATING ON INDIVIDUAL CIRCUIT
- PROVIDE MIN (2) SMALL APPLIANCES CIRCUITS FOR KITCHEN RECEPTACLES (INCL. REF)
- ALL ELECTRICAL OUTLETS WITHIN 6' OF A WATER SOURCE TO BE GFI'S. HEIGHT OF OUTLET TO BE 12" ABOVE FINISHED FLOOR AND 6" ABOVE COUNTERS UNLESS OTHERWISE NOTED ON PLANS
- MINIMUM CONDUIT SIZE SHALL BE 1/2" DIA. AND MINIMUM WIRE SIZE SHALL BE #14 WIRE. ALL WIRING SHALL BE COPPER.
- VERIFY CEILING FAN BOXES INSTALLED ONTO SOLID BLOCKING.
- VENT FANS TO BE UL CLASSIFIED FOR USE IN FIRE RESISTANCE RATED ASSEMBLY WHERE REQUIRED PER NEC.
- RECESSED LUMINARIES INSTALLED IN FIRE SEPARATION FLOOR ASSEMBLY SHALL BE CLASSIFIED FOR USE IN FIRE RESISTANCE RATED ASSEMBLY PER NEC.
- RECESSED LUMINARIES INSTALLED IN THERMALLY INSULATED FLOOR/CEILING ASSEMBLY SHALL BE THERMALLY PROTECTED PER CODE
- WITHIN HABITABLE SPACES LOCATE CONVENIENCE DUPLEX OUTLETS EVERY 12 FEET, 6 FEET FROM ANY DOOR OPENING
- ALL OUTLETS IN ROOMS USED FOR SLEEPING PURPOSES TO BE ARC-FAULT PROTECTED
- ALL CLOSET LIGHTING TO BE RECESSED INCANDESCENT



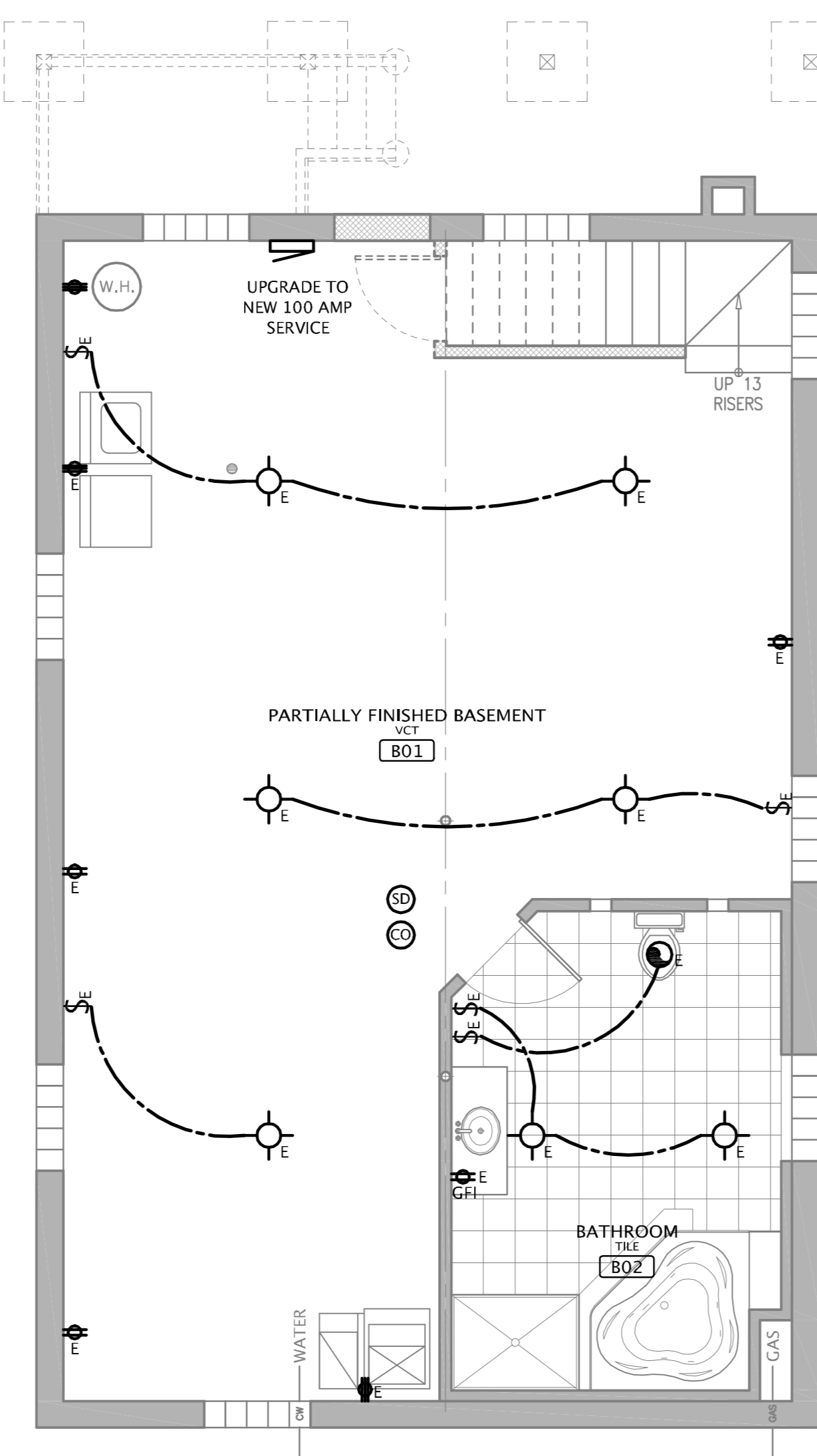
PANEL LP1 SCHEDULE

CKT NO.	TRIP AMPS	WIRE	GND. WIRE	LOAD SERVED	LOAD VA & PHASE	LOAD SERVED	GND. WIRE	TRIP AMPS	CKT NO.
1	20	12	-	KITCHEN	- A -	KITCHEN (GFI'S)	- 12	20	2
3	20	12	-	LIVING ROOM	- B -	KITCHEN	- 10	30	4
5	20	12	-	LIVING ROOM	- A -	DINING AREA	- 12	20	6
7	20	12	-	BATHROOM (BASEMENT)	- B -	BATHROOM	- 12	20	8
9	30	10	-	LAUNDRY	- A -	BEDROOMS	- 12	20	10
11	30	10	-	AC	- B -	BATHROOM (2ND FLOOR)	- 12	20	12
13	30	10	-	AC	- A -	FURNACE (EXISTING)	- 10	30	14
15	20	EXISTING	-	BASEMENT	- B -	FURNACE (PROPOSED)	- 10	30	16
17									18
19									20

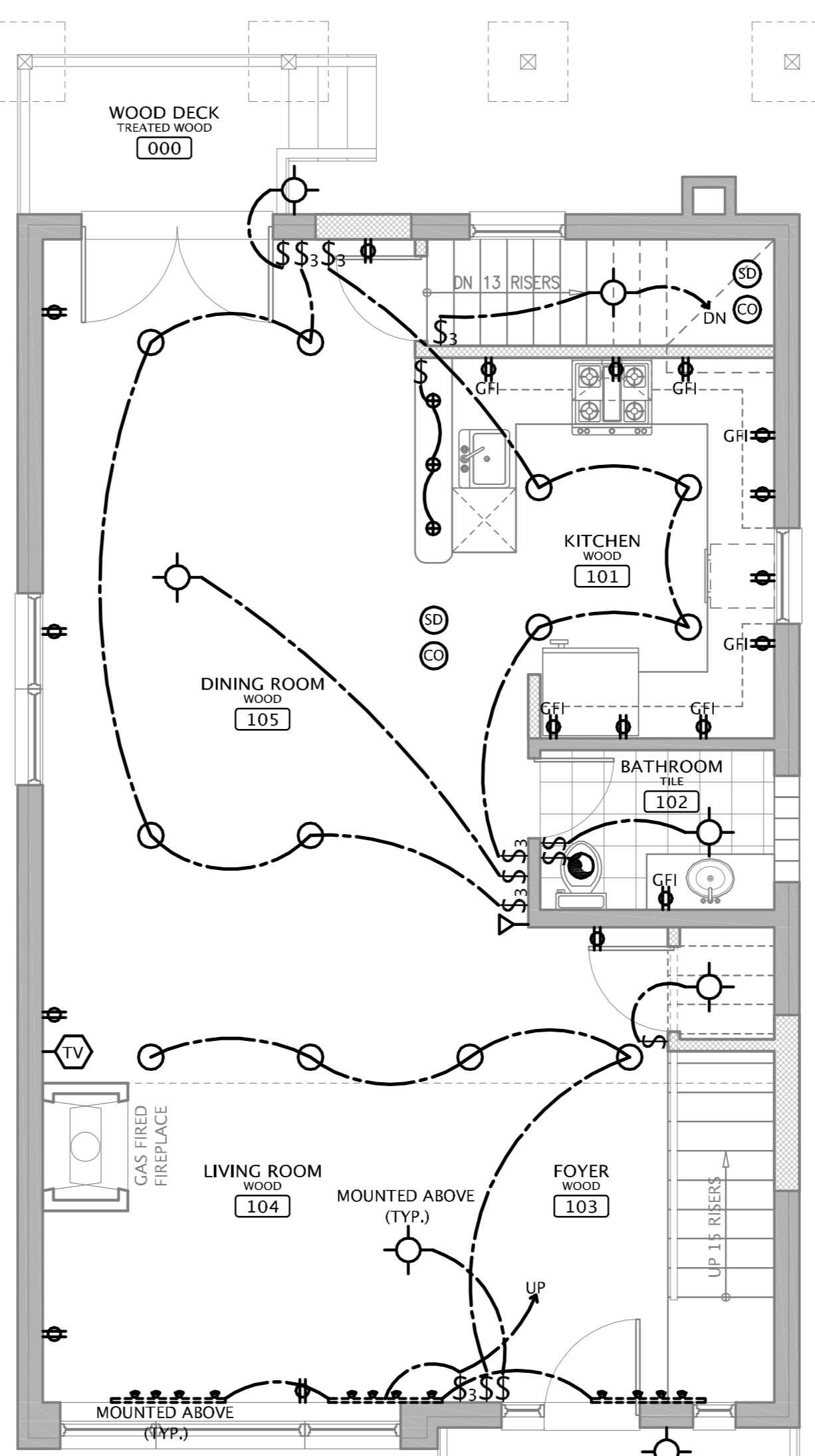
NOTE: EXISTING WIRING/CONDUIT TO REMAIN IF UNDAMAGED. CONTRACTOR TO REPLACE ANY DAMAGED ITEMS

**LOAD CALCULATIONS:**

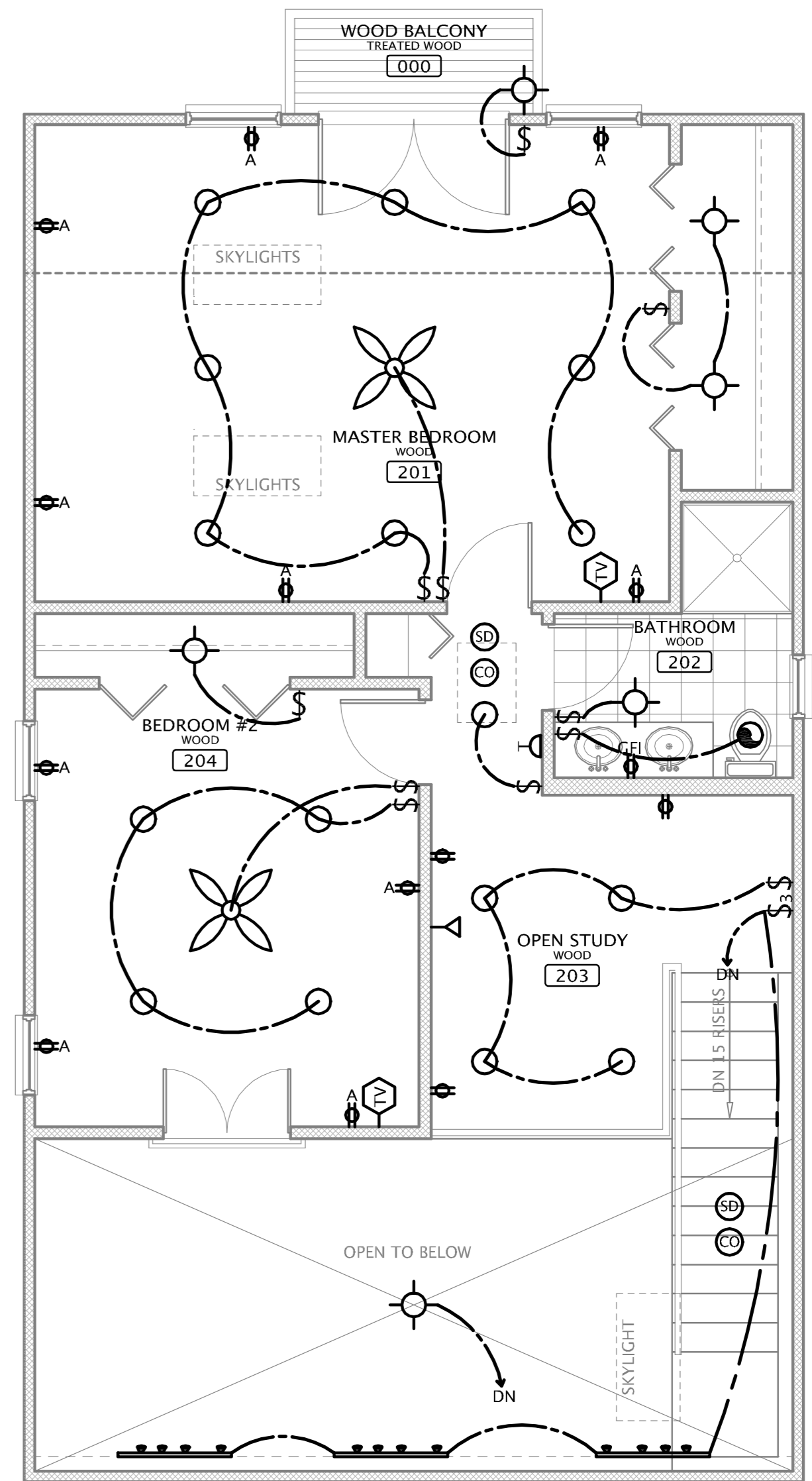
- GENERAL LIGHTING
- 1,984.5 S.F. x 3 WATTS = 5,953.5 VA AT 100%
- RECEPTACLE LOAD
- 25 RECEPTACLES x 180 VA = 4,500 VA AT 100%
- MOTOR
- AC CONDENSOR @ 3,500 VA @ 100% = 3,500 VA
- SUB-TOTALS
- 13,953.5 VA @ 25% = 3,488.4 VA



**BASEMENT PLAN**  
SCALE: 1/4" = 1'-0"  
NORTH



**FIRST FLOOR**  
SCALE: 1/4" = 1'-0"  
NORTH



**SECOND FLOOR**  
SCALE: 1/4" = 1'-0"  
NORTH