

### TYP. MOUNTING HEIGHTS

SCALE: N.T.S.

PANEL LP1 SCHEDULE

CKT NO.	TRIP AMPS	WIRE	GND. WIRE	LOAD SERVED	LOAD VA & PHASE	LOAD SERVED	GND. WIRE	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 (FIRST FLOOR)	- B -	BATHROOM (2ND FLOOR)	-	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 (FIRST)	-	10	30	14
15	20	12	-	BASEMENT	- B -	FURNACE (SECOND)	-	10	30	16
17										18
19										20

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

#### LOAD CALCULATIONS:

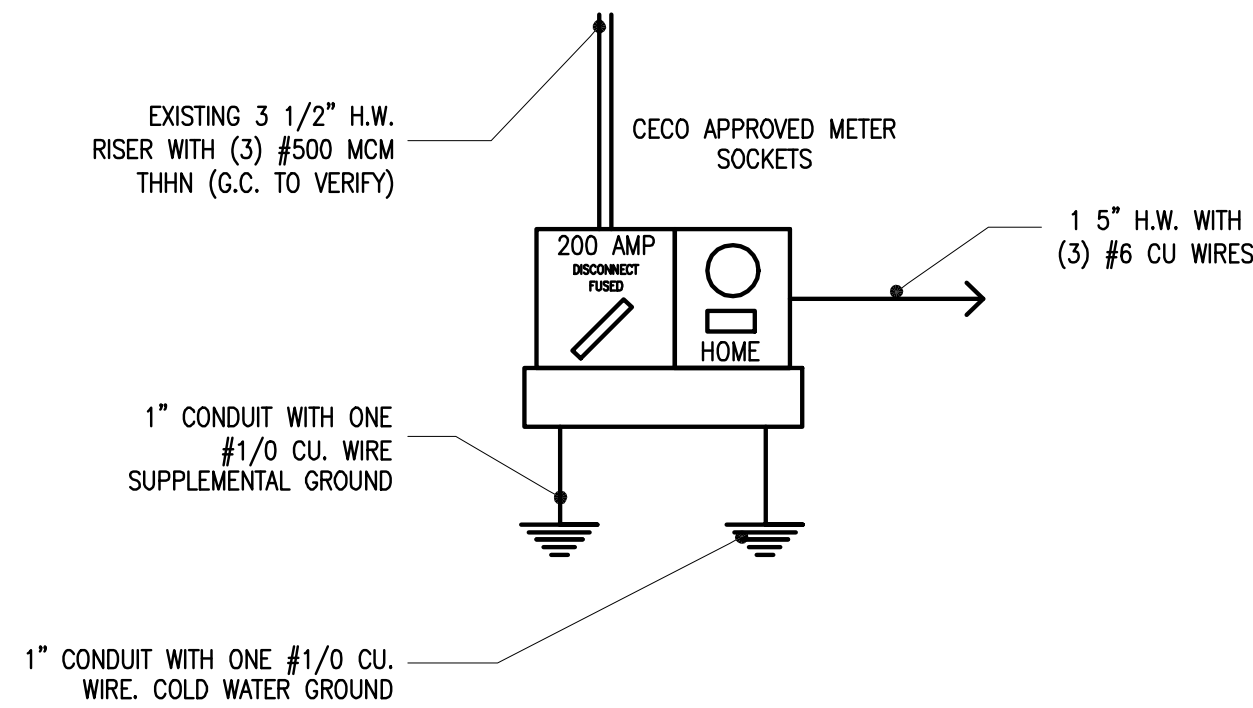
- GENERAL LIGHTING  
2,589 S.F. x 3 WATTS = 7,767 VA AT 100%
- RECEPTACLE LOAD  
29 RECEPTACLES x 180 VA = 5,220 VA AT 100%
- MOTOR  
AC CONDENSOR @ 3,500 VA @ 100% = 3,500 VA
- SUB-TOTALS  
16487 VA @ 25% = 4,121.5 VA

### PANEL SCHEDULE

SCALE: N.T.S.

#### ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
\$	SWITCH +48 - AT HEIGHT ABOVE FLOOR
\$ \$ \$ \$	3-WAY SWITCH, 4-WAY SWITCH
\$	SWITCHED OUTLET
\$ E	EXISTING SWITCH
\$	DUPLEX OUTLET A - ARC-FAULT OUTLET, E - EXISTING GFI - GROUND FAULT INTERRUPT OUTLET WP - WEATHER-PROOF OUTLET +46 - AT HEIGHT ABOVE FLOOR
\$	SPECIAL/ DEDICATED OUTLET
\$	FLOOR OUTLET
\$	CEILING/WALL-MOUNTED LIGHT FIXTURE P.C. - PULL-CORD TYPE
\$	CAN LIGHT FIXTURE
\$	PENDANT LIGHT FIXTURE
\$	FLUORESCENT LIGHT FIXTURE
\$	TRACK LIGHTS
\$	FAN LIGHT
\$	CEILING EXHAUST FAN
\$	CEILING FAN/LIGHT JUNCTION BOX SCREWED TO SOLID BLOCKING OR CEILING JOIST - PROVIDE UL LISTED FAN BOX
\$	110 VOLT SMOKE DETECTOR WIRED IN SEQUENCE
\$	CARBON MONOXIDE DETECTOR WIRED IN SEQUENCE
\$	THERMOSTAT
\$	TELEPHONE OUTLET
\$	TV OUTLET
\$	ELECTRICAL SERVICE PANELBOX

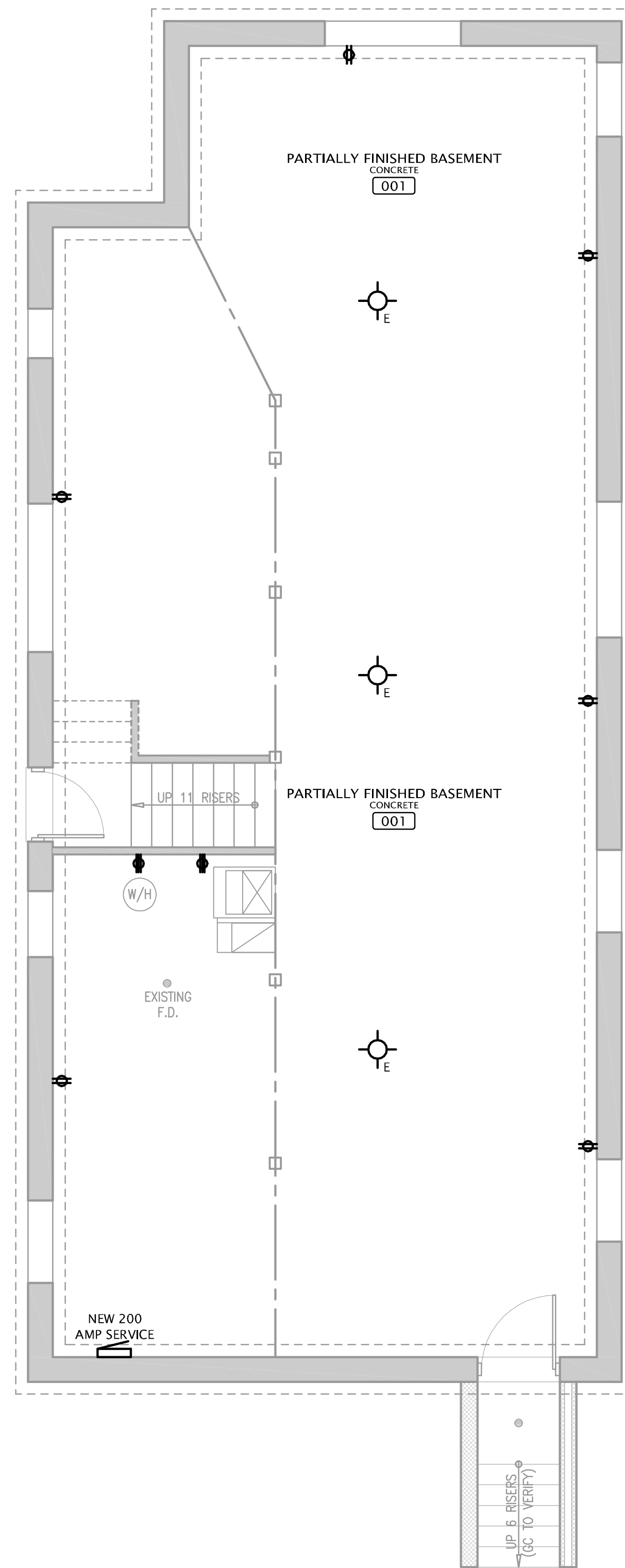


### RISER DIAGRAM

SCALE: N.T.S.

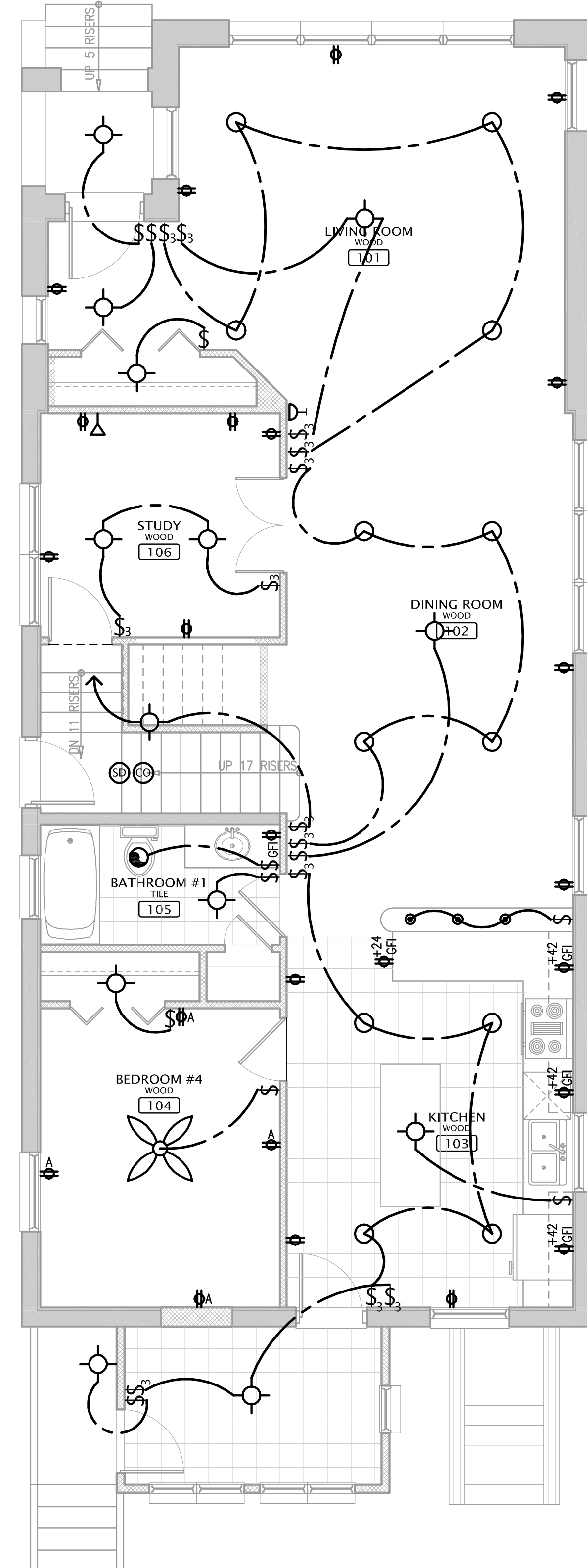
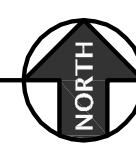
#### ELECTRICAL NOTES:

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



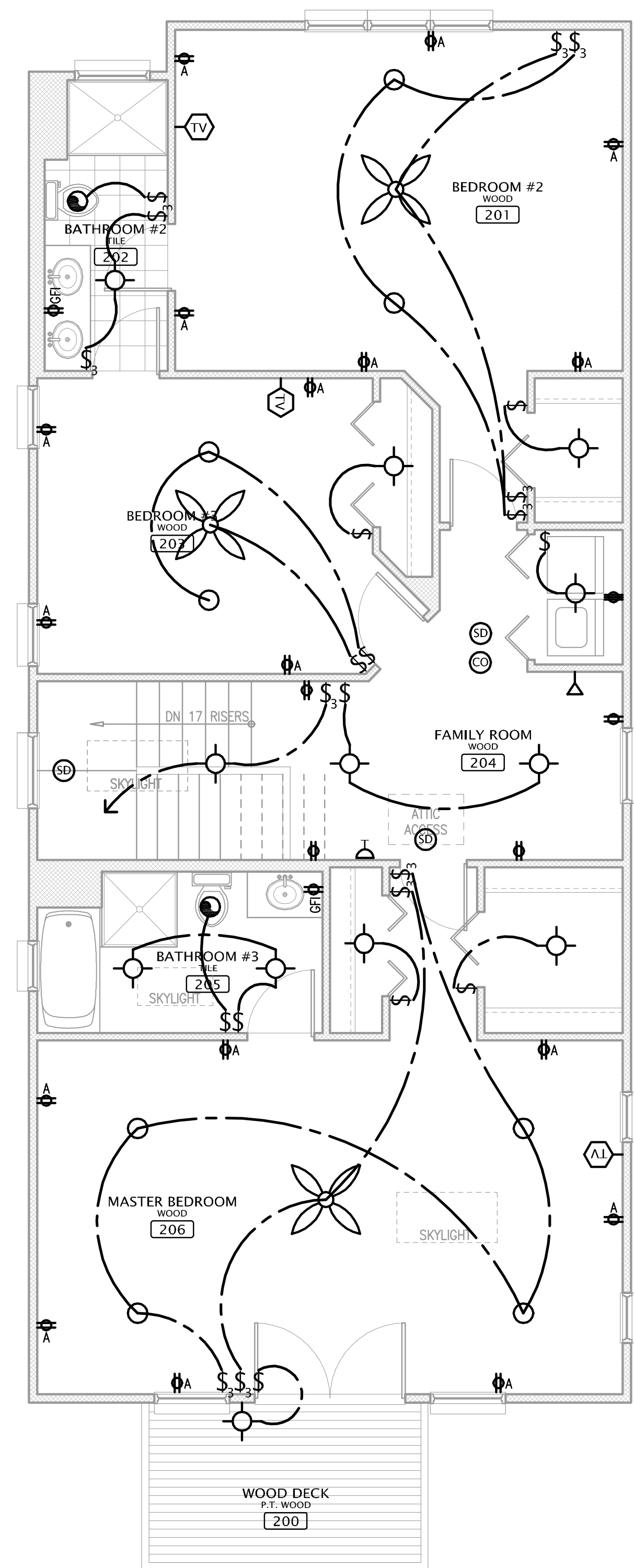
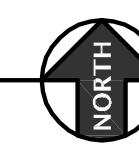
### BASEMENT ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"



### 1st FLOOR ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"



### 2nd FLOOR ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"



419-C HARRISON ST.  
OAK PARK, IL. 60304

tel: (708) 948-7332  
fax: (708) 575-3004  
@: us@kbpartnership.com

#### PROJECT NAME

RECINOS FAMILY  
ADDITION & REMODEL

#### PROJECT ADDRESS

5121 W. DRUMMOND PL.  
CHICAGO, ILLINOIS 60639

#### SHEET TITLE

ELECTRICAL  
PLANS AND  
DETAILS

#### ISSUE

1 OWNER APPROVED

DATE: 04-29-2009

2 ISSUED FOR PERMITS

DATE: 06-01-2009

3

#### REVISIONS

1

2

#### NOTICE

This drawing is the sole property of KBP, Inc. and is protected under US copyright law and the Architectural Works Protection Act of 1990. The copy of this drawing and/or distribution to unauthorized personnel or construction of the structure depicted herein without express written consent of KBP, Inc. would constitute infringement of KBP, Inc. The recipient of this drawing acknowledges and agrees that the ownership of the drawing and all other right, title, and interest therein, including without limitation, all rights under US Copyright and other intellectual property law, are retained by KBP, Inc. COPYRIGHT © 2009 ALL RIGHTS RESERVED

#### SHEET NUMBER

E.1