

ELECTRICAL NOTES

ALL INTERIOR WIRING TO BE COPPER ROMEX NM WITH GROUND. ALL NEW WIRING TO BE IN ACCORDANCE WITH N.E.C..
 NUMBER OF OUTLETS ON BRANCH CIRCUITS:
 1 ON A 15 AMP, 8 ON A 20 AMP.
 WIRING TO BE SIZED AS FOLLOWS:
 15A - #14 30A - #10 45A - #8
 20A - #12 45A - #8

ALL RECEPTACLES TO BE GROUNDED TYPE. BASE RECEPTACLES TO BE 1' - 2" FROM THE FLOOR. REFER TO DRAWINGS FOR HEIGHTS OF ALL OTHER RECEPTACLES.

FANS IN ROOMS THAT LACK NATURAL VENTILATION SHALL BE SIZED TO EXPEL A MINIMUM OF 2 CFM PER SQUARE FOOT OF ROOM. FANS IN TOILET ROOMS THAT LACK NATURAL VENTILATION SHALL BE SIZED TO EXPEL AT LEAST TO CFM.

CONNECT NEW OUTLETS TO EXISTING SERVICE. ADJUST, ALTER OR AUGMENT AS REQUIRED. SPECIFY IN BID IF UPGRADE IS REQUIRED.

ALL FIXTURES SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR AND SELECTED BY OWNER UNLESS OTHERWISE SPECIFIED.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW APPLIANCE CONNECTIONS. PROVIDE NEW CIRCUITS AS REQUIRED.

ALL SWITCHES SHALL BE LEVITON "ROCKER" TYPE SWITCHES IN COLORS TO BE SELECTED BY THE OWNER.

HIGH-HATS SHALL BE ON DIMMER SWITCHES AS SHOWN (LEVITON ROCKER W/ SLIDE DIMMER CONTROL) (CONFIRM WITH OWNER)

ALL SWITCH, RECEPTACLES, JUNCTION BOXES, ETC SHALL BE RATED PER CODE.

HVAC NOTES: VERIFY SCOPE OF WORK WITH OWNER

HVAC SUBCONTRACTOR SHALL ANALYZE EXISTING HVAC SYSTEM LOCATED IN UTILITY ROOM AND UPGRADE AS REQUIRED FOR NEW ADDITIONS

PROPOSED ZONE 1:
 HVAC CONTRACTOR TO PROVIDE NEW HVAC SYSTEM IN BASEMENT AS REQUIRED TO HEAT AND COOL BASEMENT, FIRST FLOOR, AND 3 SMALL SECOND FLOOR BEDROOMS.
 REMOVE EXISTING AC UNIT IN ATTIC - VERIFY

PROPOSED ZONE 2:
 PROVIDE NEW HVAC SYSTEM FOR NEW MASTER BEDROOM AND BATHROOM SUITE AND FOR NEW 2 STORY FOYER.
 LOCATE UNIT IN NEW OR EXISTING ATTIC SPACE

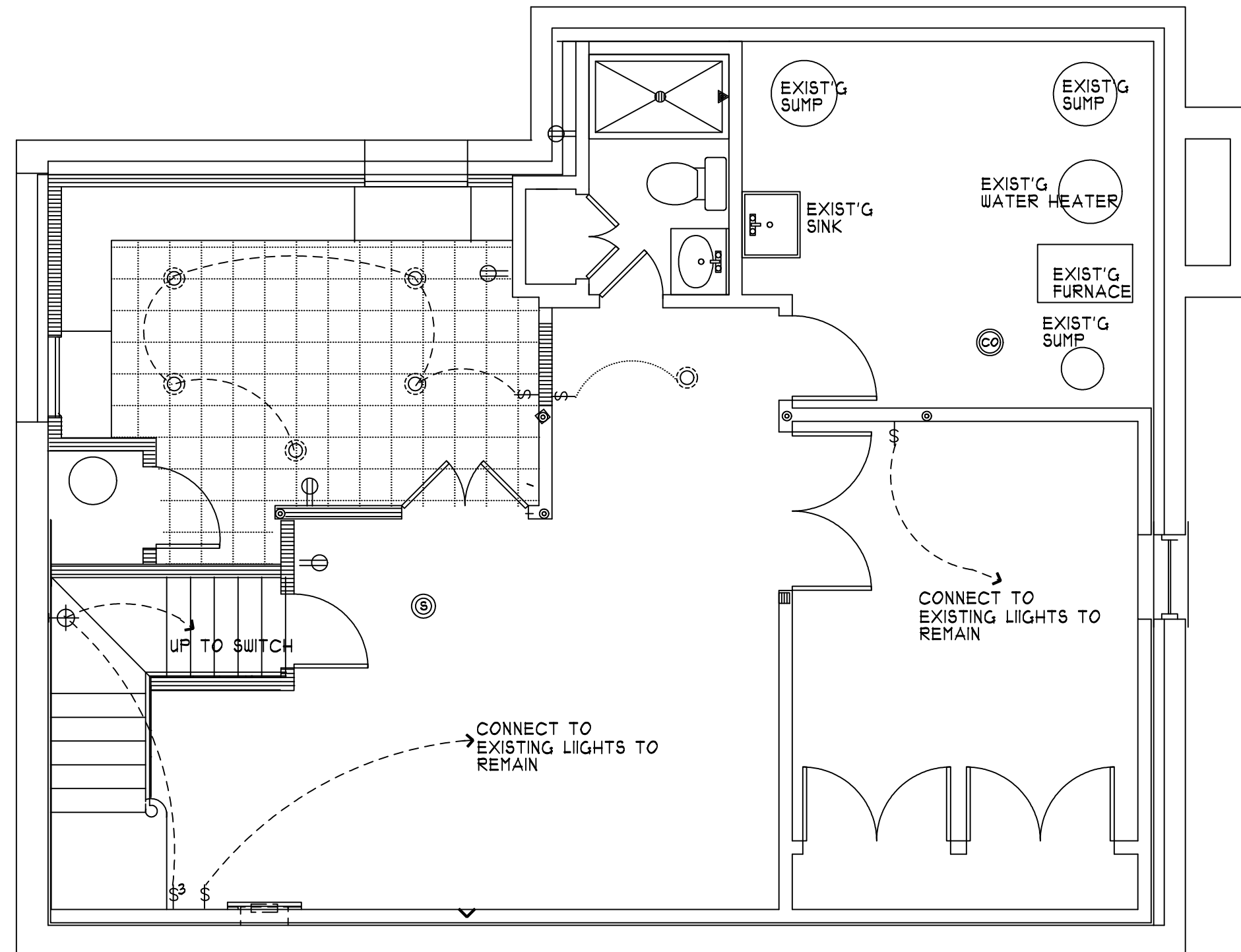
INSTALL PER CODE AND PROVIDE CLEARANCES PER MANUFACTURERS SPECS.
 AC SUBCONTRACTOR WILL REVIEW THE MOST EFFECTIVE LAYOUT OF ALL DUCTWORK, TRUNKLINES, AND CHASES W/ OWNER OR ARCHITECT.
 ALL DUCTWORK SHALL BE RIGID INSULATED METAL SEALED WITH UL RATED FOIL BACKED TAPE OR MASTIC.
 VENT UNIT IN ACCORDANCE WITH CODE AND MANUFACTURER'S SPECS. CONSULT W/ ARCHITECT AS NECESSARY.

PLACE NEW CONDENSING UNITS ON AN EXTERIOR PAD PER CODE CONFIRM LOCATION WITH TOWN, AND ASIDE BY ALL LOCAL CODES

VERIFY WITH OWNER FOR PLACEMENT OF NEW THERMOSTATS AND NUMBER OF ZONES DESIRED.

PROVIDE SHEETROCK SOFFITS IF NECESSARY WHERE TRUNKLINES ARE BELOW THE FLOOR JOISTS. VERIFY LOCATION WITH OWNER.

PROVIDE EMERGENCY SHUT OFF SWITCH AT STAIRS AS REQUIRED PER CODE



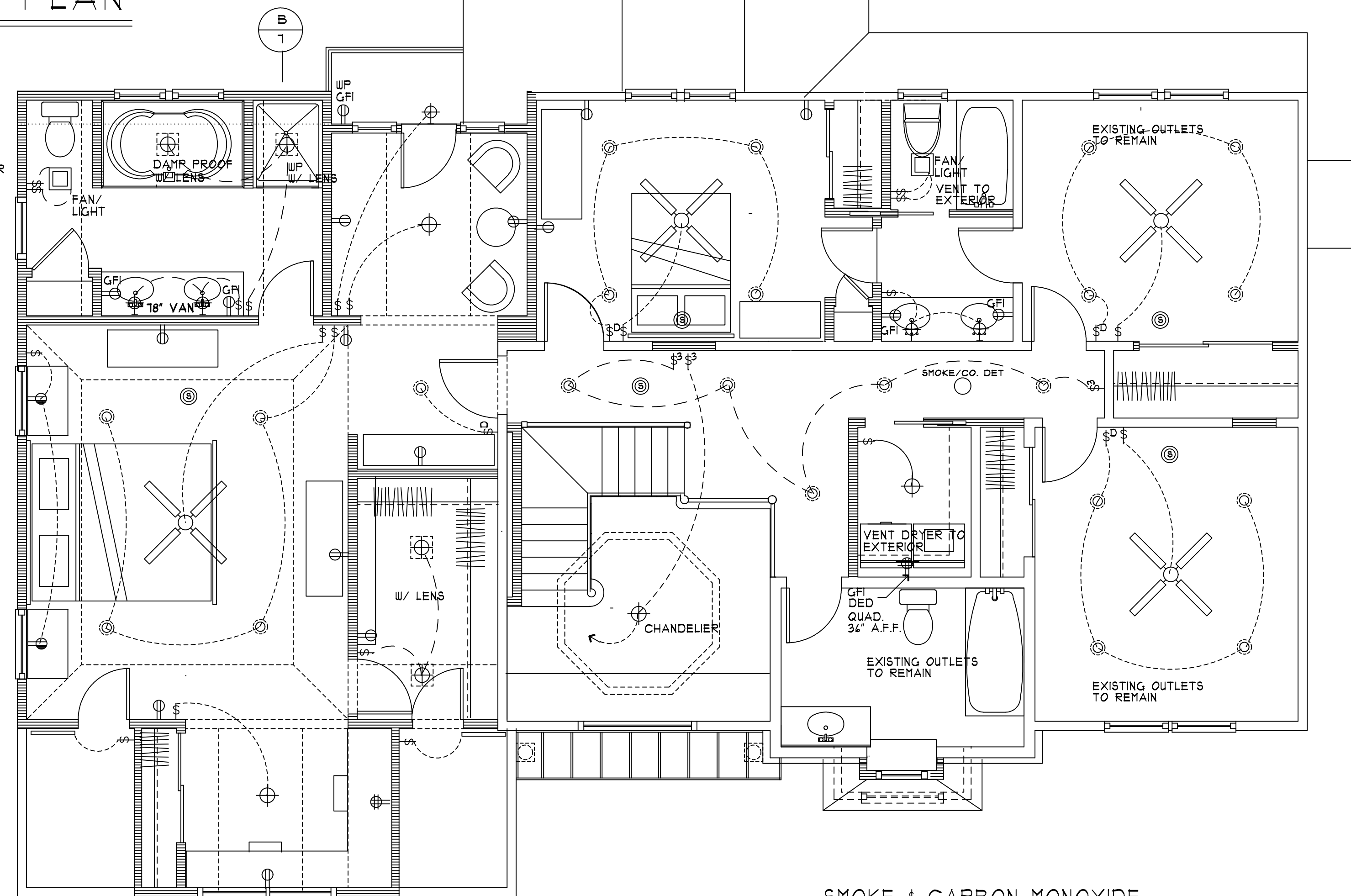
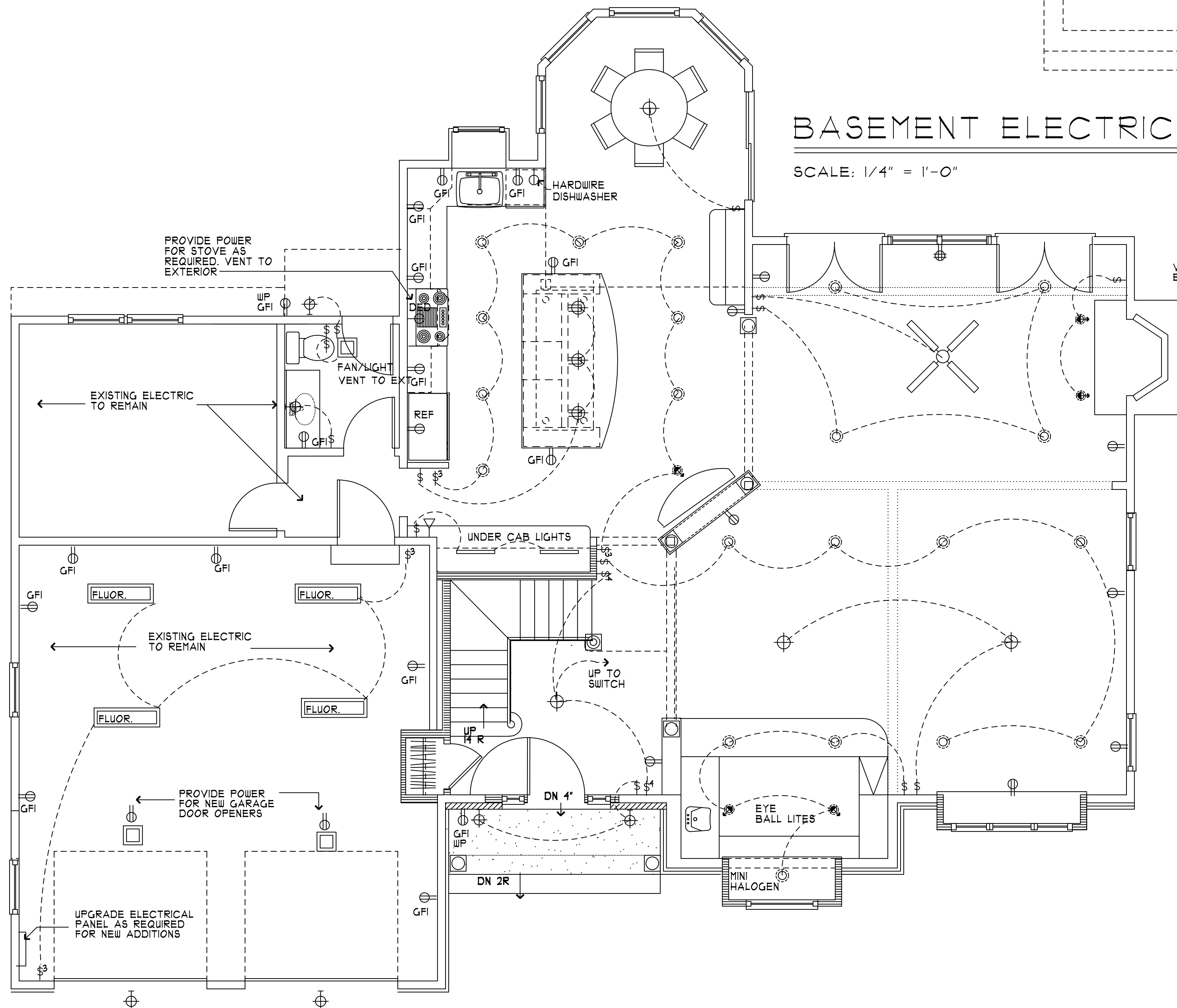
LICENSED ELECTRICIAN TO ANALYZE EXISTING ELECTRICAL BOX AND UPGRADE AS REQUIRED FOR NEW ADDITION

ELECTRICAL SYMBOLS (APPROXIMATE MATERIAL COST- FOR BIDDING PURPOSES- VERIFY WITH OWNER)

- ⊕ DUPLEX RECEPTACLE
- ⊕ FOURPLEX RECEPTACLE
- ⊕ DEDICATED APPLIANCE CIRCUIT (WIRE)
- ⊕ 3-WIRE 220-V RECEPTACLE
- ⊕ CEILING MOUNTED LIGHT FIXTURE (ALLOW \$15 EACH)
- ⊕ STANDARD RECESSED HI-HAT LIGHT FIXTURE (ALLOW \$20 EACH)
- ⊕ CLOSET LIGHT FIXTURE WITH PROTECTIVE LENS (ALLOW \$25 EACH)
- ⊕ WALL SCONCE FIXTURE (ALLOW \$15 EACH)
- ⊕ RECESSED MINI HALOGEN LIGHT (ALLOW \$15 EACH)
- ⊕ DECORATIVE PENDENT FIXTURE (ALLOW \$100 EACH)
- ⊕ EYEBALL FIXTURE
- ⊕ STANDARD DOUBLE FLUORESCENT LIGHT FIXTURE
- ⊕ SWITCH
- ⊕ 3-WAY SWITCH / 4-WAY SWITCH
- ⊕ DIMMER SWITCH
- ⊕ CEILING FAN WITH OPTIONAL LIGHT PACKAGE (ALLOW \$200 EA.)
- ⊕ CABLE TELEVISION HOOK-UP
- ⊕ EXHAUST FAN WITH OPTIONAL LIGHT
- ⊕ AC POWERED SMOKE DETECTOR ALARM
- ⊕ SPOTLIGHT FIXTURE
- ⊕ TELEPHONE
- S.C. SEPARATE CIRCUIT
- G.F.I. GROUND FAULT INTERRUPTER
- W.P. WEATHERPROOF / WATERPROOF
- A.F.F. ABOVE FINISHED FLOOR
- ⊕ CARBON MONOXIDE DETECTOR

BASEMENT ELECTRICAL PLAN

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



SMOKE & CARBON MONOXIDE DETECTOR ALARMS

SMOKE DETECTOR ALARMS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS IF THEY DO NOT PRESENTLY EXIST:
 ONE IN THE COMMON AREA OF THE FIRST FLOOR (EX., FOYER); ONE IN A COMMON AREA OF THE SECOND FLOOR (E.G., HALL);
 AND ONE INSIDE EVERY SLEEPING ROOM.

SMOKE DETECTOR ALARMS SHALL BE AN A.C. PRIMARY SOURCE (HARD-WIRED) AND INTERCONNECTED. ALARMS SHALL RECEIVE POWER FROM A BATTERY WHEN THE A.C. PRIMARY SOURCE IS INTERRUPTED.
 CONTRACTOR TO CONFIRM LOCATIONS AND QUANTITY OF ALARMS WITH LOCAL CODE ENFORCEMENT OFFICIAL PRIOR TO WIRING. COORDINATE WIRING WITH ALARM COMPANY, IF ANY.

G.C. SHALL PROVIDE AND INSTALL A MIN. OF ONE NEW BATTERY POWERED CARBON MONOXIDE DETECTORS ON EACH FLOOR; ONE IN THE AREA BY THE FURNACE, AND THE LAUNDRY ROOM, AND ONE IN THE ATTIC.

OPTIONAL - COMBINED AC POWERED SMOKE DETECTORS/CARBON MONOXIDE DETECTORS MAY BE USED IN REQUIRED LOCATIONS.

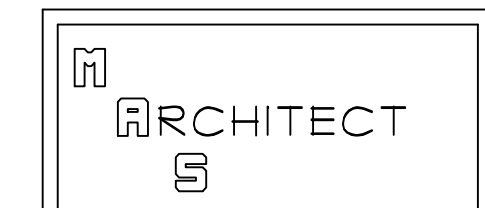
ALARM SYSTEM BY OTHERS
 G.C. TO COORDINATE WITH OWNERS ALARM COMPANY IF ANY, TO UPGRADE ANY INTERCONNECTED SMOKE DETECTORS AND NEW MOTION DETECTORS CONFIRM WITH OWNER.

SECOND FLOOR ELECTRICAL PLAN

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

FIRST FLOOR ELECTRICAL PLAN

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



43 RIDGE ROAD
 LYNDHURST N.J.
 201-460-8710

SEAL:
 MARK A. STEFANELI R.A.

NJ ARCH NO. 21 A103245
 NOT VALID FOR BIDDING UNLESS SIGNED AND SEALED BY ARCHITECT

PROJECT:
 ADDITION AND ALTERATION TO:

NORTH CALDWELL N.J. 07004

ISSUED:	DATE:
SCHEMATIC DESIGN	
BID SET	
PERMIT SET	

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