

ELECTRICAL/PLUMBING NOTES;

ALL OUTLETS SHALL BE 12" FROM FINISH FLOOR UNLESS OTHERWISE NOTED.  
ALL OUTLETS IN KITCHEN, UTILITY ROOM, AND GARAGE TO BE 44" ABOVE FLOOR AND TO BE GROUND FAULT INTERRUPT PROTECTED.

COPPER WIRE TO BE USED THROUGH-OUT HOUSE AND ALL EXTERIOR LIGHT FIXTURES, OUTLETS, AND SWITCHES TO BE WEATHERPROOF ADN GROUND FAULT INTERRUPT.

ALL BATHROOM OUTLETS TO BE GROUND FAULT INTERRUPT DEVICE EQUIPPED.

ALL SMOKE DETECTORS TO HAVE BATTERY BACK UP AND TO BE HARDWIRED TOGETHER IN A LOOP WITH AN AUDIBLE ALARM. SMOKE DET. TO HAVE CARBON MONOXIDE WARNING AS WELL.

IF REQUIRED WHIRLPOOL SWITCH TO BE LOACED NOT LESS THAN 5' FROM TUB OR TO HAVE AN AIR ACTIVATED SWITCH.

ALL CEILING ANS TO HAVE VARIABLE SPEE CONTROL.

PLUMBING NOTES:

1" LEAD-IN PIPE FROM WELL OR PUBLIC WATER SUPPLY. MINIMUM 100' FROM WELL TO SEPTIC SYSTEM. HOSE BIB TO BE LOCATED AT FRONT, BACK, SIDES PER OWNERS LOCATIONS.

ALL PLUMBING TO BE PERMITTED AND EXECUTED AS PER UNIFORM PLUMBING CODE. ICE MAKER ROUGH-IN TO BE LOCATED BEHIND REFRIDGERATER.

ELECTRICAL TO BE GROUNDED TO COPPER WATER LINES AS WELL AS WITH A GROUNDING ROD. SEE ATTACHED NOTE FOR GROUNDING SPECS TO FOUNDATION RE-BAR.

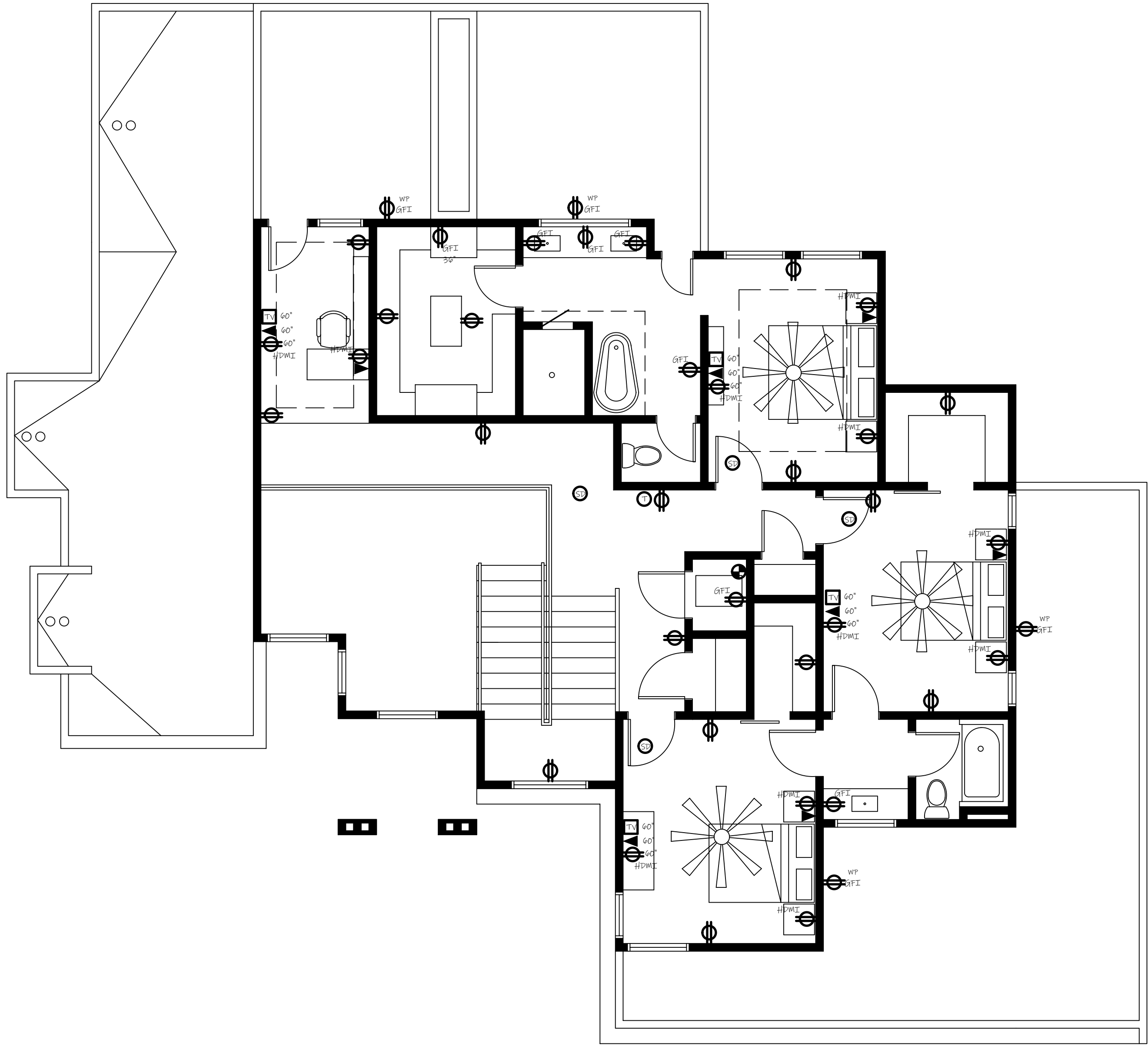
NOTE;

PROVIDE ELECTRICAL FOR REFRIGERATED AIR UNITS LOCATIONS PER OWNER HVAC CONTRACTOR. UNITS TO HAVE BACK UP HEAT AS WELL AS COOLING SIZE PER UNCLURE FOR ALTITUDE AND SQUARE FOOTAGE OF HOUSE. PLUMBER TO BE RESTONSIBLE FOR CONDENSATION LINE FROM CONDENSER.

NOTE;

ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION SHALL BE PROVIDED IN ALL ROOMS, 15 AND 20 AMP RECEPTACLES AND ALL BRANCH CIRCUITS TO BE PROTECTED BY ARC-FAULT CIRCUIT INTERRUPTERS. ALL RECEPTACLES TO BE TAMPER-RESISTANT.

ALL ELECTRICAL WORK MUST BE ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC) AND THE NEW MEXICO CODE (NMEC)



SMOKE DETECTOR/  
CARBON MONOXIDE  
DETECTOR

SMOKE DETECTOR TO HAVE CARBON MONOXIDE DETECTION AS WELL AS SMOKE DETECTION. ALL SMOKE DETECTORS TO BE HARD WIRED TOGETHER.

ALL ELECTRICAL WIRE TO BE MINIMUM NM 12 GAUGE PER CODE  
OUTDOOR LIGHTING TO COMPLY WITH NM NIGHT SKY PROTECTION ACT  
1/3 OF OUTDOOR LIGHTING TO BE TIMED, OR CONTAIN SENSORS.  
A LISTED NON FLEXIBLE 1-1/4" ELECTRICAL RACEWAY SHALL BE PROVIDED TO ROOF FOR FUTURE PHOTOVOLTAIC WIRING.

SECOND FL. POWER/MECH

SCALE; 3/16" = 1'-0"  
1702 HEATED SQUARE FEET



⌀	WATER
⌀GFI	GROUND FAULT INTERRUPT COUNTER PLUG
⌀WFI	WATERPROOF GROUND FAULT INTERRUPT EXTERIOR PLUG
⌀GFI FLOOR PLUG	FLOOR PLUG
⌀220	220 VOLT 30 AMP PLUG
⌀	NATURAL GAS
⌀	PROGRAMMABLE THERMOSTAT ONE FOR EACH HEATING UNIT
⌀	COAX CABLE FOR TV
⌀	CAT 6 ETHERNET FOR PHONE/DATA
⌀	SMOKE/CARBON MONOXIDE DETECTOR
\$1	ONE WAY OPERATED SWITCH
\$3	TWO WAY OPERATED SWITCH
\$4	THREE WAY OPERATED SWITCH
\$1T	TIMER OPERATED SWITCH
\$1P	MOTION SENSOR SWITCH

AKASH & NIKI PATEL  
CUSTOM HOME  
ALBUQUERQUE, NM.

2 G DESIGN  
4520 LOWER TERRACE CIRCLE NE  
ALBUQUERQUE, NM 87111  
505-362-2009

APRIL 5, 2021

POWER/MECH

POWER/MECH

SHEET  
20

OF 10 SHEETS