

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

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.

WATER HEATER SPECS.

1. STORAGE TYPE STORED
2. CAPACITY _____
3. MANUFACTURER _____
4. MODEL # _____
5. EFFICIENCY RATING _____
6. ENERGY STAR RATED? YES
7. WH W/VERTICAL PIPE RISERS TO HAVE A HEAT TRAP ON BOTH INLET AND OUTLET OF THE WATER HEATER OR IS EQUIPPED 2/ AN INTEGRAL HEAT TRAP

NOTE;

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

NOTE;

AN ELECTRODE ENCASE BY AT LEAST 2" OF CONCRETE. LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETED FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. CONSISTING OF AT LEAST 20' OF ONE OR MORE ELECTRICALLY CONDUCTIVE STEEL REINFORCING RE-BAR OF NOT LESS THAN 1/2" DIAM.

NOTE;

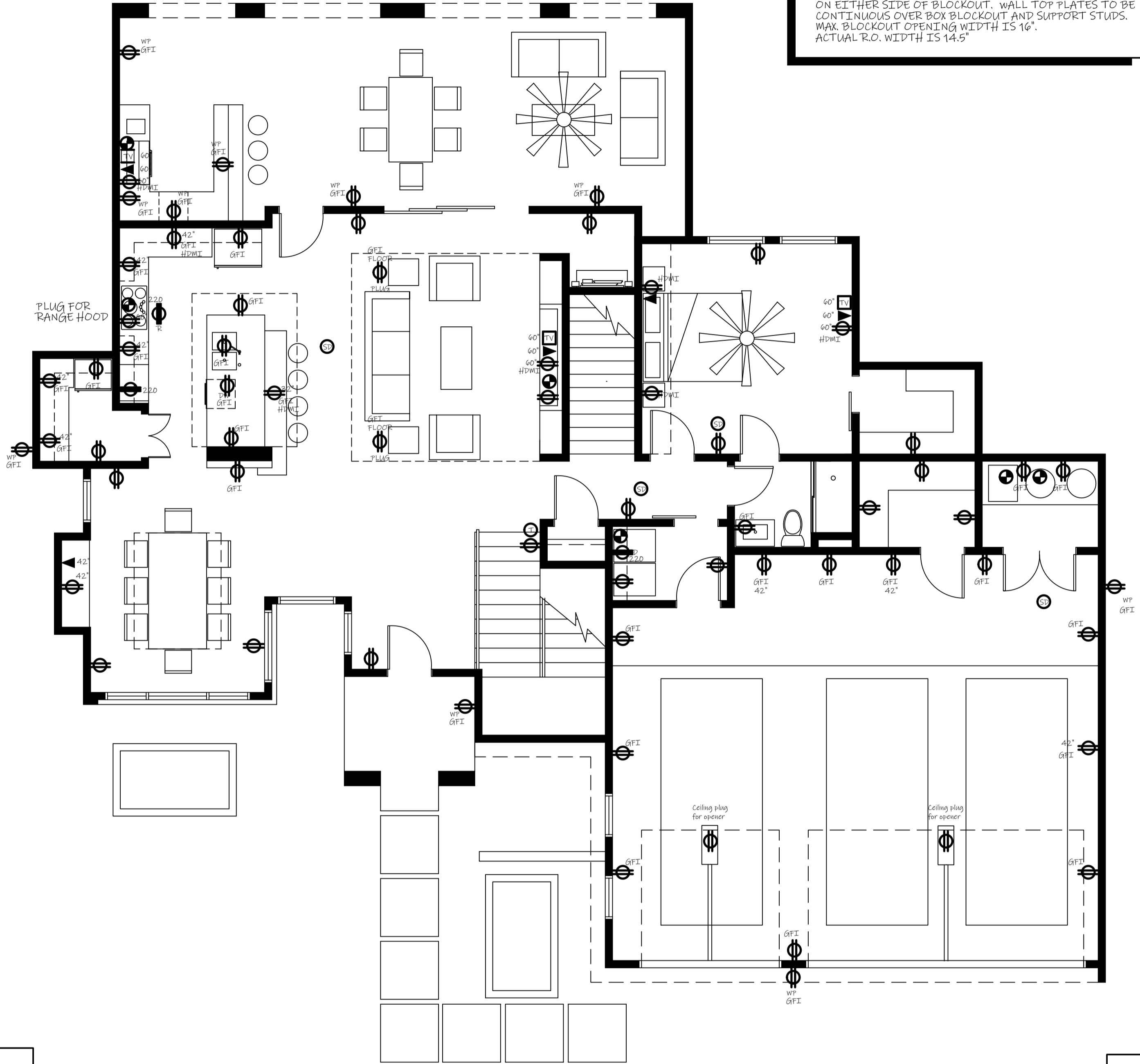
ARC-FAULT CIRCUIT-INTERUPTER PROTECTION SHALL BE PROVIDED IN ALL ROOMS, 15 AND 20 AMP RECEPTACLES AND ALL BRANCH CIRCUITS TO BE PROTECTED BY ARC-FAULT CIRCUIT INTERRUPTERS. ALL RECEPTACLES TO BE TAMPER RESISTANT.

NOTE;

PRE-WIRE HOUSE FOR ALARM, INTERCOM, BUILT-IN VACUUM. FINAL LOCATIONS OF PLUGS CABE AND TELEPHONE PER OWNERS LOCATIONS. HOSE BIB TO BE LOCATED AT FRONT BACK AND SIDES OF HOUSE PER OWNERS LOCATIONS. MOTION LIGHTING AND GROUNDS LIGHTING PER OWNERS SPECIFICATIONS. PRE-WIRE FOR SPRINKLER SYSTEM AND STUB OUT FOR SPRINKLERS AT FRONT AND BACK OF HOUSE. CONTROL BOX AT GARAGE.

ELECTRICAL PANEL NOTE;

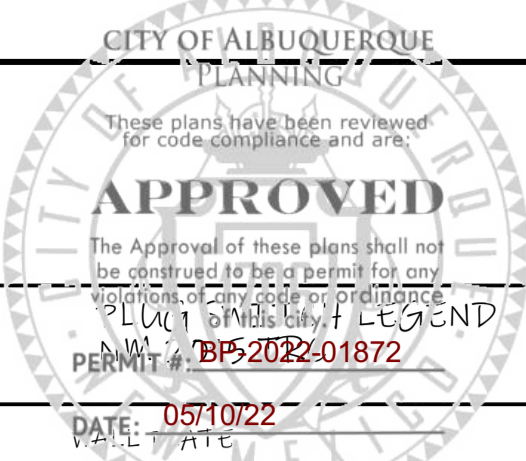
AT ELECTRICAL PANEL, PLACE (2) FULL HEIGHT STUDS ON EITHER SIDE OF BLOCKOUT. WALL TOP PLATES TO BE CONTINUOUS OVER BOX BLOCKOUT AND SUPPORT STUDS. MAX BLOCKOUT OPENING WIDTH IS 16". ACTUAL R.O. WIDTH IS 14.5"



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.



DATE: 05/10/22
GROUND FAULT INTERRUPT COUNTER PLUG
WATERPROOF GROUND FAULT INTERRUPT EXTERIOR PLUG
FLOOR PLUG
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
ONE WAY OPERATED SWITCH
TWO WAY OPERATED SWITCH
THREE WAY OPERATED SWITCH
TIMER OPERATED SWITCH
MOTION SENSOR SWITCH

2 G DESIGN

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

APRIL 5, 2021

POWER/MECH

AKASH & NIKI PATEL
CUSTOM HOME

ALBUQUERQUE, NM.

SHEET

18

OF 10 SHEETS

FIRST FL. POWER/MECH

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