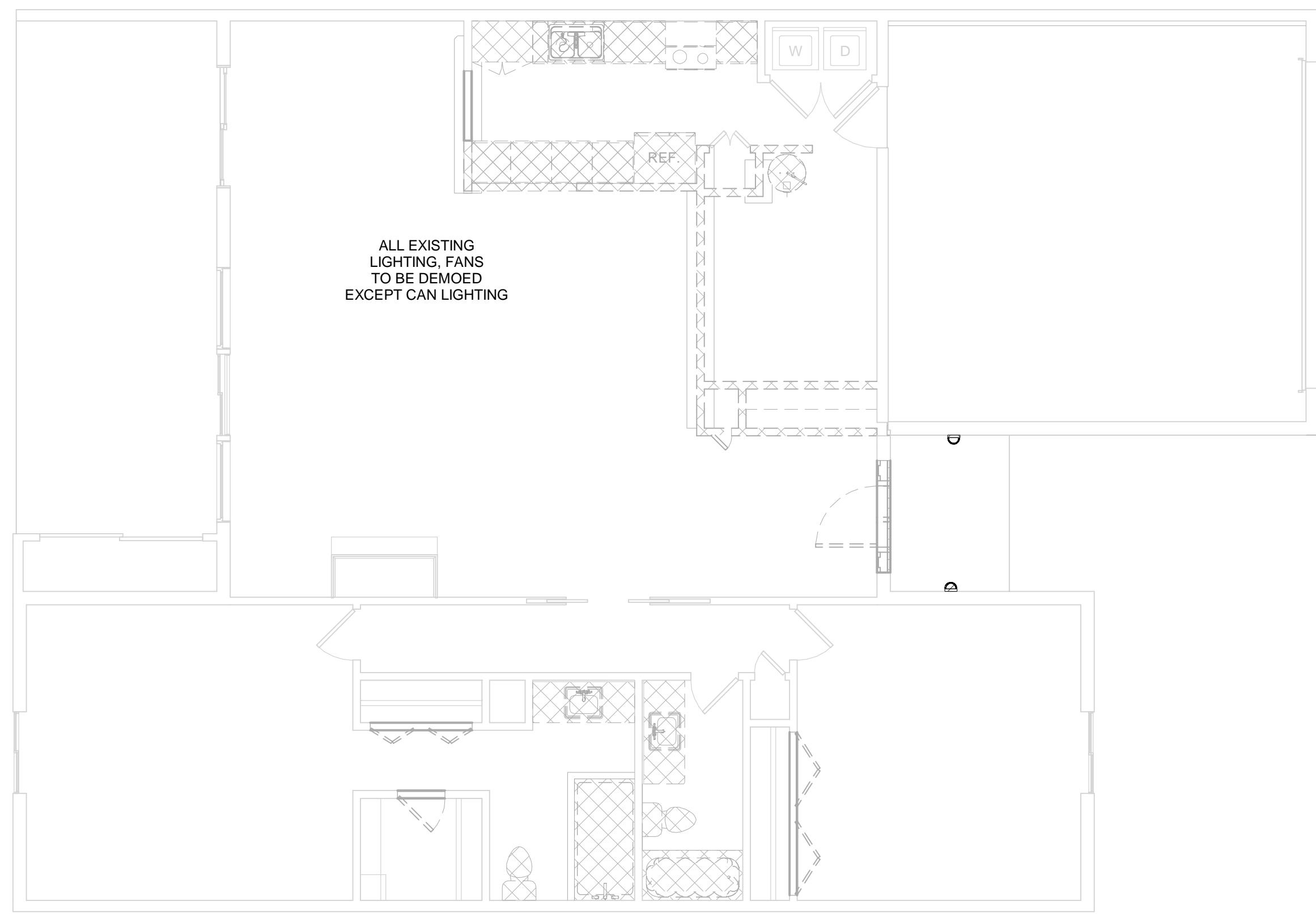
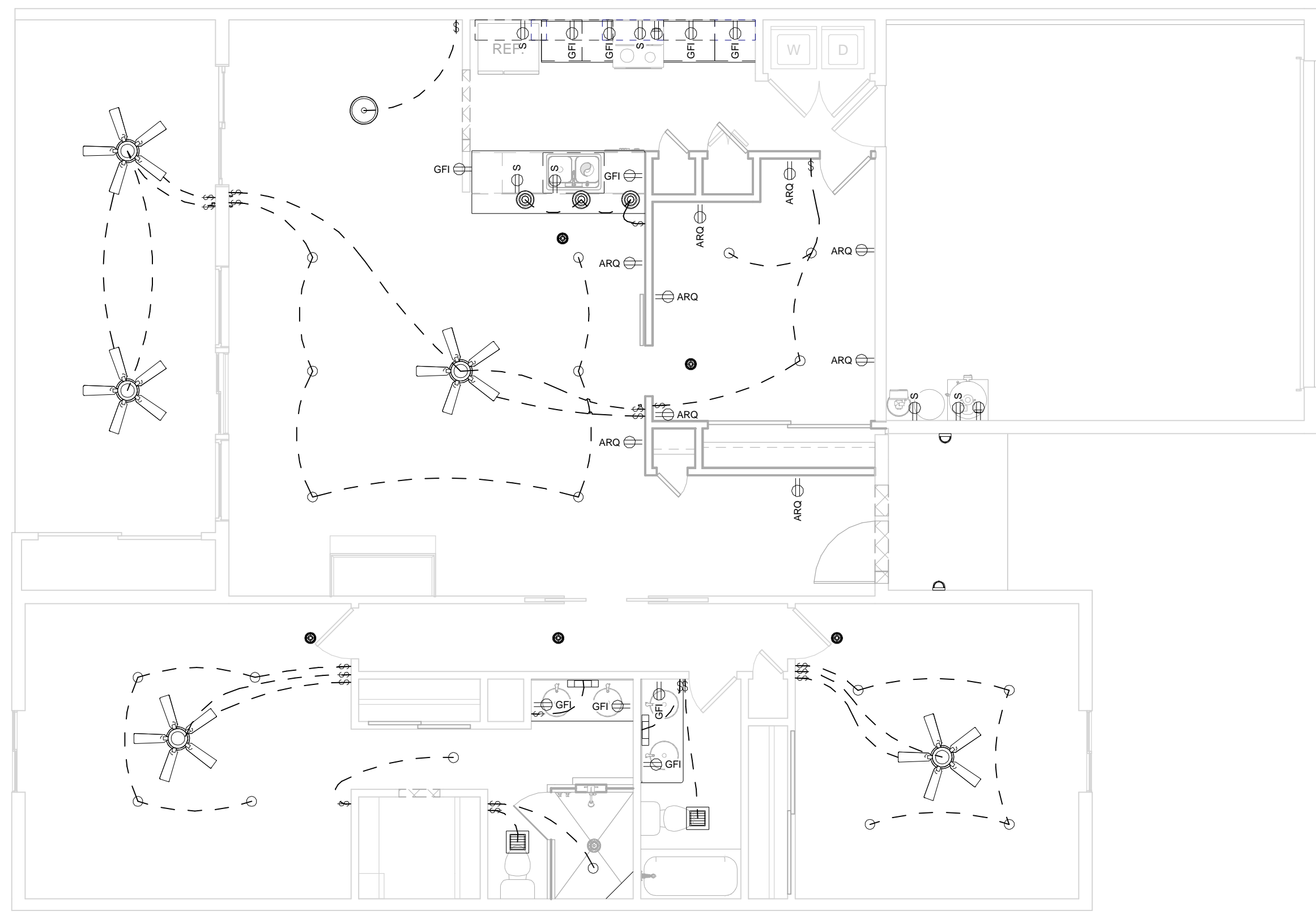


1 Electrical Plan (Existing)  
3/16" = 1'-0"



2 Electrical Plan (Demo)  
3/16" = 1'-0"



3 Electrical Plan (New)  
3/16" = 1'-0"

**NOTE:**  
ELECTRIC GARAGE DOOR OPENERS, PRE-WIRE FOR IR SENSOR SYSTEM PER FED. PUBLIC LAW #101-608, PUSH-BUTTON 6-0" A.F.F., SENSOR UNITS 4'-6" A.F.F.- BOTH SIDES GAR. DOOR.

**NOTE:**  
PROVIDE 100 sq.in. (MIN), AIR VENT OVER ALL INTERIOR LAUNDRY ROOM DOORS.

**NOTE:**  
ATTIC FURNACE SHALL COMPLY WITH SECTION M1401 & M1403, 2012 IRC

**NOTE:**  
ELECTRICAL OUTLETS AND LIGHTING FOR POT SHELVES WILL BE DETERMINED AT TIME OF CONSTRUCTION.

**ELECTRICAL NOTES:**

- (01) ELECTRICAL OUTLETS IN HABITABLE ROOMS SHALL BE SPACED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6' FROM AN OUTLET.
- (02) ALL 125V, 15 & 20 AMP CIRCUITS SERVING BEDROOMS AND OTHER ROOMS LISTED BY E3902.12 REQUIRE COMBINATION TYPE ARC FAULT CIRCUIT INTERRUPTER PROTECTION.
- (03) GFI -- BATHS, GARAGE, EXTERIOR OUTLETS, BASEMENTS & ALL KITCHEN COUNTER OUTLETS.
- (04) SEPARATE 20 AMP. CIRCUITS IN ALL BATHS, KITCHEN, DINING, AND LAUNDRY ROOMS, 2 OR MORE REQ'D IN KITCHEN/DINING AREA.
- (05) GFCI PROTECTION REQUIRED ON ALL ELECTRICAL RECEPTACLES IN BATHROOMS, AT KITCHEN COUNTERS, BASEMENTS AND GARAGES.
- (06) AN ELECTRICAL OUTLET IS REQUIRED AT KITCHEN/DINING ROOM COUNTER SPACES AND PENINSULAS 12" OR WIDER.
- (07) OVEN/RANGE SHALL HAVE A MINIMUM 40amp. BRANCH CIRCUIT.
- (08) CLOSET LIGHT FIXTURES SHALL CONFORM TO.
- (09) ELEC. RECEPTACLE REQ'D IN HALLWAYS 10' OR GREATER IN LENGTH.
- (10) SMOKE DETECTORS SHALL BE HARD WIRED WITH BATTERY BACKUP. PROVIDE A 3'-0" SEPERATION FROM A/C UNITS AND CEILING FANS.
- (11) ALL CEILING FANS TO USE FAN APPROVED ELECTRICAL BOXES.
- (12) ALL PLUMBING, ELECTRICAL, MECHANICAL, EXHAUST FANS AND DUCTS PENETRATING FIRE RESISTIVE CONSTRUCTION.
- (13) ALL AUTOMATIC GARAGE DOOR OPENERS ARE TO COMPLY WITH FEDERAL BILL HR 4952.
- (14) ELECTRIC GARAGE DOOR OPENERS, PRE-WIRE FOR IR SENSOR SYSTEM PER FED. PUBLIC LAW #101-608, PUSH-BUTTON 6-0" A.F.F., SENSOR UNITS 4'-6" A.F.F.- BOTH SIDES OF GARAGE DOOR.
- (15) ELECTRICAL CONTRACTOR TO COORDINATE PLACEMENT OF 26' OF #4 COPPER GROUND WIRE WITH THE CONCRETE CONTRACTOR.
- (16) PROVIDE A 120v RECEPTACLE, GFI PROTECTED, WITHIN 25 ft. OF OUTDOOR MECHANICAL EQUIPMENT.
- (17) PLACEMENT OF 220 AMP. SERVICE TO BE APPROVED BY GEN. CONTRACTOR.
- (18) VERIFY LOCATION OF ALL ELECTRICAL FIXTURES WITH GEN. CONTRACTOR.
- (19) THESE DRAWINGS ARE STRICTLY DIAGRAMMATIC. ANY AND ALL BEARING AND STRUCTURAL COMPONENTS ALONG WITH CONFIRMATION OF DIMENSIONS AND ENGINEERING ARE THE RESPONSIBILITY OF THE OWNER, ENGINEER, GENERAL CONTRACTOR AND/OR THE SUB-CONTRACTORS.

ELECTRICAL LEGEND:		MECHANICAL LEGEND:	
	110V DUPLEX RECEPTACLE		CARBON MONOXIDE / SMOKE DETECTOR
	SERVICE RECEPTACLE		GARBAGE DISPOSAL
	ARQ FAULT RECEPTACLE		GARAGE DOOR OPENER
	110V DUPLEX RECEPTACLE (GROUND FAULT)		ATTIC ACCESS
	110V WATER-PROOF DUPLEX RECEPTACLE		EXHAUST FAN
	HALF HOT		UP DUCT
	220V RECEPTACLE		RETURN AIR
	220V RANGE RECEPTACLE		SUPPLY AIR
	COMMON WALL SWITCH		ATTIC FURNACE
	3-WAY WALL SWITCH		ROOF MOUNTED A/C UNIT
	MOTION LIGHTING		GROUND MOUNTED A/C UNIT
	PHOTOCELL		WALL MOUNTED MASTER COOL
	TELEVISION OUTLET		
	TELEPHONE OUTLET		
LIGHTING LEGEND:			
	6" DIA. RECESSED CAN LIGHT FIXTURE		
	VANITY WALL MOUNTED LIGHTING FIXTURE		
	4" FINISH TYPE 2 TUBE FLOURESCENT		
ACCESSORY LEGEND:			
	HOSE BIB W/WATERING SYSTEM STUB-OUT		
	MEDICINE CABINET		
	CEILING LIGHT, FANS & FANS w/LIGHT		

**NOTE:**  
ALL BRANCH CIRCUIT OUTLETS SHALL BE PROTECTED BY COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER AND A LISTED TAMPER-RESISTANT RECEPTACLES BE INSTALLED.

E3901.11.1 FACEPLATE GROUNDING. SNAP SWITCHES, INCLUDING DIMMER AND SIMILAR CONTROL SWITCHES, SHALL BE EFFECTIVELY GROUND AND SHALL PROVIDE A MEANS TO GROUND METAL FACE PLATES, WHETHER OR NOT A METAL FACEPLATE IS INSTALLED.

**ALL CONSTRUCTION WILL CONFORM TO 2012 IRC CODES LISTED BELOW:**

- E3401 GENERAL ELECTRICAL
- E3402 BLDG. STRUCTURE PROTECTION
- E3403 INSPECTION & APPROVAL
- E3404 GENERAL EQUIPMENT REQUIREMENTS
- E3405 EQUIPMENT & CLEARANCES
- E3406 ELECTRICAL CONDUCTORS & CONNECTIONS
- E3407 CONDUCTOR & TERMINAL IDENTIFICATION
- E3501 ELECTRICAL DEFINITIONS
- E3601 GENERAL SERVICES
- E3701 BRANCH CIRCUITS & FEEDER REQUIREMENTS
- E3702.9.1 MIN. BRANCH CIRCUITS FOR RANGES
- E3703.2 KITCHEN & DINING RECEPTACLES
- E3703.3 LAUNDRY CIRCUITS
- E3703.4 BATHROOM BRANCH CIRCUITS
- E3801 WIRE METHODS
- E3901 POWER & LIGHTING
- E3901.2 RECEPTACLE SPACING
- E3901.4 COUNTERTOP RECEPTACLES
- E3902 GROUND-FAULT & ARC-FAULT PROTECTION
- E3902.11 BEDROOM OUTLETS AFCI PROTECTION
- E4001 DEVICE & LUMINARIES
- E4002.9 OUTDOOR LOCATIONS
- E4003.8 WET & DAMP LOCATIONS
- E4101 APPLIANCE
- E4101.5 DISCONNECTING MEANS
- E4209 HYDROMASSAGE BATHTUBS

- M1401 GENERAL HEATING & COOLING EQUIPMENT
- M1401.2 ACCESS

- R314 SMOKE ALARMS
- R315 CARBON MONOXIDE ALARMS

ALL GARAGE OUTLETS @ +18" a.F.F. (MIN.)

**ELECTRICAL NOTE #2**

PROVIDE TWO OR MORE 20 AMP SMALL APPLIANCE BRANCH CIRCUITS IN KITCHEN/DINING AREAS  
IRC-2012 SEC E3703.2

FIXTURES MUST BE LISTED FOR DAMP LOCATIONS PER IRC-2012 E4003.2

RECEPTACLES IN HABITABLE ROOMS SHALL BE SPACED SUCH THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAT 6 FT. FROM AN OUTLET. ANY WALL SPACE 2 FT. OR WIDER SHALL HAVE AN OUTLET. IRC-2012-E3901.2

GFI REQUIRED IN ALL BATHROOMS, KITCHENS AT COUNTERTOPS, BASEMENTS, GARAGES, AND OUTDOORS IRC-2012-E3902

PROVIDE BATHROOM RECEPT. W/ A SEPARATE 20 AMP CIRCUIT.

SMOKE DETECTORS REQUIRE A 3' MIN. SEPARATION FROM A/C VENTS AND CEILING FANS.

IRC-2012-E3902.12 ARC FAULT PROTECTION ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15- & 20- AMPERE OUTLETS INSTALLED IN FAMILY, DINING, BED, LIVING, SUN OR RECREATION, DEN, PARLOR, HALLWAYS OR OTHER SIMILAR ROOMS, ROOMS SHALL BE PROTECTED BY A COMBINATION TYPE OR BRANCH/FEEDER TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.

IRC-2012-E4002.14, IN AREAS SPECIFIED IN SECTION E3901.1, 125-VOLT, 15- AND 20- AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES

IRC-2012 E4001.11.1 FACEPLATE GROUNDING. SNAP SWITCHES, INCLUDING DIMMER AND SIMILAR CONTROL SWITCHES, SHALL BE EFFECTIVELY GROUND AND SHALL PROVIDE A MEANS TO GROUND METAL FACE PLATES, WHETHER OR NOT A METAL FACEPLATE IS INSTALLED.

**NOTE:**  
ELECTRICAL PLAN MAY BE ALTERED BY THE OWNER AND/OR GENERAL CONTRACTOR, WITH BLDG. DEPT. APPROVAL.

**GENERAL CONSTRUCTION NOTES**

1. THESE GENERAL NOTES, LOCATION IN SAID PLANS, SHALL APPLY TO ALL SHEETS INCLUSIVE IN THIS SET OF PLANS REGARDLESS OF THEIR.
2. GENERAL CONTRACTOR TO FURNISH ALL MATERIALS, EQUIPMENT, LABOR, AND SERVICES REQUIRED FOR THE INSTALLATION OF ALL WORK AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL BUILDING AS INDICATED ON DRAWINGS.
3. INCIDENTAL ITEMS NOT INDICATED ON DRAWINGS, NOR MENTIONED IN THE SPECIFICATIONS THAT CAN LEGITIMATELY AND REASONABLY BE INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE BUILDING SHALL BE INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
4. ALL MATERIALS SHALL BE IN NEW AND GOOD CONDITION, THE PRODUCT OF SUBSTANTIALLY ESTABLISHED AND RECOGNIZED MANUFACTURERS, AND SUBJECT TO APPROVAL OF A.C.E. DESIGN DRAFTING, AND ALL MATERIALS SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS.
5. AS A MINIMUM REQUIREMENT, ALL WORK SHALL COMPLY WITH THE LATEST LOCALLY ADOPTED EDITIONS OF THE: 2012 INTERNATIONAL RESIDENTIAL CODE ANY PERTINENT CITY CODE AMENDMENTS REQUIREMENTS OF THE TELEPHONE AND POWER COMPANIES WHERE CONFLICTS OCCUR, THE MORE STRINGENT, OR THE CODE ENFORCED BY THE AUTHORITY HAVING JURISDICTION SHALL APPLY.
6. DO NOT SCALE DRAWING. SEE APPROPRIATE DIMENSIONED PLANS FOR INFO. IF CONFUSION CONTINUES, CONTACT A.C.E. DESIGN DRAFTING IMMEDIATELY FOR CLARIFICATION. A.C.E. DESIGN DRAFTING WILL NOT BE HELD RESPONSIBLE FOR MISTAKES MADE ON SITE DUE TO TRADES NOT FOLLOWING DIMENSIONS ON PLANS.
7. SHOP DRAWINGS, CATALOGS, DATA SHEETS, PAMPHLETS, OR ANY OTHER DESCRIPTIVE LITERATURE NECESSARY TO CONVEY INFORMATION SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE CONTRACTOR OR A.C.E. DESIGN DRAFTING PRIOR TO CONSTRUCTION FOR ANY SUBSTITUTIONS PROPOSED AS AN EQUIVALENT PRODUCT.
8. FINAL APPROVAL OF COLOR FINISHES, WOOD STAIN FINISHES, COUNTERTOP FINISHES, STUCCO COLOR, AND TEXTURE FINISHES, ETC. SHALL BE SUBJECT TO THE OWNER'S ORDER AND SATISFACTION AFTER ADEQUATE REVIEWING TIME BY THE OWNER AND CONTRACTOR.
9. THESE DRAWINGS ARE AN INSTRUMENT OF SERVICE TO THE PROJECT OWNER AND/OR THE GENERAL CONTRACTOR. NO REPRODUCTION OR OTHER USE SHALL BE MADE BY ANY PERSON OR FIRM WITHOUT EXPRESSED WRITTEN PERMISSION, AND ANY UNAUTHORIZED USE SHALL VOID ANY REAL OR IMPLIED WARRANTY HEREON AND NO PROFESSIONAL RESPONSIBILITY WILL REMAIN.
10. THIS SET OF PLANS SHALL BE 2008 COPYRIGHT PROTECTED UNDER THE REVISED FEDERAL COPYRIGHT LAWS OF 1976. ANY VIOLATION SHALL BE PROSECUTED TO THE FULLEST EXTENT AVAILABLE AND BY THE INTENTION OF A.C.E. DESIGN DRAFTING.
11. OWNERSHIP OF THESE DRAWING SHALL REMAIN WITH A.C.E. DESIGN DRAFTING. PAYMENT FOR DRAWINGS DOES NOT AUTOMATICALLY RELEASE OWNERSHIP TO COMMISSIONER(S) WITHOUT EXPRESS WRITTEN PERMISSION. COMMISSIONER(S) RIGHT TO USE PLANS WHEN CONTRACTS ARE ISSUED ARE FOR AN INDIVIDUAL PROPERTY ONLY. ANY ADDITIONAL USE OF PLANS SHALL BE NEGOTIATED AS NEEDED.
12. PLAN CALLS OUT MIN CONSTRUCTION REQUIREMENTS. IF SITE CONTRACTOR DETERMINES THAT ADDITIONAL WORK MATERIALS OR THE LIKE ARE NECESSARY, CONTRACTOR IS AUTHORIZED TO PROCEED AND PERFORM UPGRADE AS DETERMINED ON SITE WITHOUT NEED FOR ADDITIONAL PLANS PREPARATION AND INSPECTION. IF, FOR EXAMPLE, CONTRACTOR DETERMINES THAT 2X6 STUDS ARE NEEDED INSTEAD OF THE MIN REQUIRED 2X4 STUDS, HE IS ABLE TO DO SO.

Rev #	DATE	By

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DRAWN BY:	RMW
CHECKED BY:	
DATE:	08/07/20
SCALE:	AS NOTED
JOB NO.	G2005
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