

	SINGLE POLE SWITCH AT 48"
	3 POLE SWITCH AT 48"
	DUPLEX RECEPTACLE OUTLET
	220V OUTLET
	GROUND-FAULT CIRCUIT-INTERRUPT OUTLET
	WEATHERPROOF DUPLEX OUTLET
	220V OUTLET W/ DISCONNECT
	RECESSED LIGHT FIXTURE WITH VAPOR PROOF BARRIER
	CEILING MOUNTED LIGHT FIXTURE
	BAR LIGHT W/ EXPOSED CLEAR BULBS
	WALL MOUNTED LIGHT FIXTURE
	EXHAUST FAN
	PUSH BUTTON
	J-BOX
	RECESSED CAN LIGHT
	1-0" X 4-0" HIGH EFFICACY FLORESCENT FIXTURE
	225 AMPS ELECTRIC PANEL
	LOW VOLATGE OUTLET
	TELEVISION ANTENNA
	CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR (HARD WIRED, INTERCONNECTED, WITH BATTERY BACKUP)
	CEILING FAN, PROVIDE REQUIRED BLOCKING

1. ALL OUTLETS, LIGHTING, FIXTURES, ETC. PER CONTRACTOR'S SPECS.
2. ALL WORKMANSHIP, MATERIALS AND METHODS SHALL CONFORM TO 2017 NEC.
3. ALL HABITABLE ROOMS SHALL BE PROVIDED W/ ELECTRICAL OUTLETS SO THAT NO PART OF THE WALL IS MORE THAN 6' FROM AN OUTLET. WALL SECTIONS 2' OR LARGER & KITCHEN COUNTERS WIDER THAN 12" SHALL BE SERVICED BY A RECEPTACLE.
4. ALL SINKS IN KITCHENS, BATHROOMS, GARAGES, ADJACENT TO WATER BAR SINK AND UTILITY SINKS, EXTERIOR & WITHIN 6' OF WET SOURCE SHALL BE G.F.C.I
5. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED ON SEPARATE CIRCUIT & SHALL RECEIVE PRIMARY POWER FROM BUILDING WIRING & SHALL HAVE BATTERY BACKUP.
6. LIGHTS IN CLOSETS SHALL BE 18" FROM SHELVING (MEASURED HORIZONTAL) OR BE RECESSED.
7. PROVIDE UPRIGHT WORKING SPACE IN FRONT OF ELECTRICAL PANELS: CENTERED IN 30" SPACE & 36" IN DEPTH ACCESS, MIN. 6" x 3" HDRM
8. ALL ELECTRICITY IS TEMPORARY UNTIL FINAL INSPECTION IS REQUIRED.
9. ALL FAULT PROTECTION REQUIRED IN ALL BEDROOMS. ALL OUTLETS SWITCHES, LIGHTS, RECEPTABLES, SMOKE DETECTORS SHALL BE GFI.
10. CONDUCTORS SUPPLYING POWER TO KITCHEN ISLANDS MUST BE RATED FOR USE IN WET LOCATIONS AND/OR UNDERHOOD INSTALLATIONS.
11. N/A
12. ALL BRANCH CIRCUITS SHALL BE ARC-FAULT CIRCUIT INTERRUPTER EXCEPT AS ALLOWED IN IFC-SEC. (E99029.16) PROVIDE ARC-FAULT CIRCUIT INTERRUPTER PROTECTION FOR ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT, SINGLE PHASE, 15 AND 20 AMPERE OUTLETS, SUCH ARC-FAULT CIRCUIT INTERRUPTER DEVICES SHALL BE COMBINATION TYPE.
13. ALL SMOKE DETECTORS SHALL BE A MIN. OF 3' FROM BATHROOM DOORS.
14. A SEPARATE 20 AMP CIRCUIT REQUIRED FOR GARAGE.

NO.	DESCRIPTION	NOT ALL USED
1	REFRIGERATOR PRE-PLUMB FOR ICE MAKER	
2	RANGE 240V./OVEN W/HOOD ABOVE PROVIDE 110V. OUTLET ON SEPARATE CIRCUIT.	
3	DOUBLE SINK W/ DISPOSAL	
4	EXHAUST FAN- PROVIDE MIN 5 AIR CHANGES PER HOUR 50 C.F.M FAN- U.N.O ON PLAN.	
5	20 AMP. CIRCUIT BREAKER OUTLET-1 LEG SWITCHED @ 240V.	
6	CEILING OUTLET FOR AUTOMATIC GARAGE DOOR OPENER.	
7	MINI SPLIT CONDENSOR UNIT 20 AMP DED. W/220V OUTLET	
8	A/C COMPRESSOR DISCONNECT-COORDINATE LOCATION W/MECHANICAL CONTRACTOR.	
9	EXISTING 200 AMP SERVICE PANEL	
10	SCUTTLE ACCESS W/ SWITCH, LIGHT & RECEPT.	
11	APPROVED FOR WET LOCATIONS	
12	A.C. COMPRESSOR PAD	

	EXISTING CMU BLOCK WALL TO REMAIN
	NEW 2X6 WOOD FRAMED WALL(FIRE WALL)
	NEW 2X6 WOOD FRAMED WALL
	NEW 2X4 WOOD FRAMED WALL

225 AMP ELECTRIC METER 120/240V 1Ø 3 WIRE 22,000 AIC
SERIES RATED NEMA 3R OUTDOOR (40 SPACES)

LOAD		WIRE		DIRECTORY		BKR		BKR		DIRECTORY		LOAD		WIRE	
AMPS	SIZE											AMPS	SIZE		
40				EXISTING ROOF A/C UNIT		1		●		2	APPLIANCE-KITCHEN	AF-20	12		
	8					3			●	4	APPLIANCE-KITCHEN	AF-20	12		
AF-15	12			DRYER(GAS) (MOTHER IN LAW SUITE)		5		●		6	APPLIANCE-KITCHEN	AF-20	12		
AF-15	12			DRYER(GAS)		7			●	8	G.DISPOSAL/D.WASHER	AF-20	12		
AF-15	12			WASHER		9		●		10	LAUNDRY ROOM (LIGHTS)	AF-20	12		
AF-15	12			WASHER (MOTHER IN LAW SUITE)		11			●	12	KITCHEN LIGHTS	AF-15	12		
AF-20	12			LIVING ROOM		13		●		14	SMOKE DETECTORS	AF-15	12		
AF-20	12			LIVING ROOM (MOTHER IN LAW SUITE)		15			●	16	COV.PORCH	AF-15	12		
AF-15	14			BEDROOM 1		17		●		18	TANKLESS WATER HEATER(GAS)	AF-15	10		
AF-15	14			BEDROOM 2		19			●	20	MASTER BDRM	AF-15	14		
AF-15	14			BEDROOM (MOTHER IN LAW SUITE)		21		●		22	MASTER BATH	AF-15	14		
AF-15	14			BATH		23			●	24	BLANK				
AF-15	14			BATH (MOTHER IN LAW SUITE)		25		●		26	BLANK				
AF-20	12			KITCHEN AFCI		27			●	28	BLANK				
AF-15	12			RANGE		29		●		30	BLANK				
				BLANK		31			●	32	BLANK				
				BLANK		33		●		34	BLANK				
				BLANK		35			●	36	BLANK				
				BLANK		37		●		38	BLANK				
				BLANK		39			●	40	BLANK				

SMALL APPLIANCES CIRCUITS	(2X1500 VA)	3,000 VA
RANGE	GAS	GAS
DRYER	GAS	GAS
WASHER	(2X1500 VA)	1,500 VA
DISPOSAL/DISHWASHER	(1X1500 VA)	1,500 VA
MICROWAVE OVEN	(0X1500 VA)	0 VA
WATER HEATER	GAS	GAS
REFRIGERATOR	(1X1500 VA)	1,500 VA

FIRST 10KVA AT 100%	10,000 V
REMAINDER AT 40%	1,728 V
(14,310 VA - 10,000 VA = 4,310 VA)	

EXISTING A/C ROOF UNIT	7000 VA
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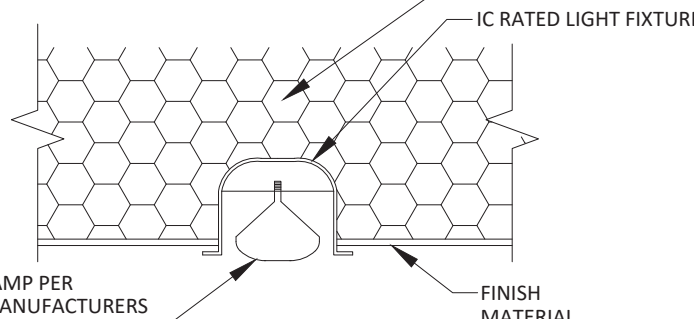
TOTAL LOAD DIVIDED BY 240= 78.03 AM

CONTRACTOR TO VERIFY HEATING A/C TONNAGE

IRC E4001.6
CEILING-SUSPENDED PADDLE FANS THAT DO NOT EXCEED 35 POUNDS (15.88 kg) IN WEIGHT, WITH OR WITHOUT ACCESSORIES, SHALL BE PERMITTED SUPPORTED BY OUTLET BOXES IDENTIFIED FOR SUCH USE AND SUPPORTED IN ACCORDANCE WITH SECTIONS E3805 AND E3806. CEILING-SUSPENDED PADDLE FANS EXCEEDING 35 POUNDS (15.88kg) IN WEIGHT, WITH OR WITHOUT ACCESSORIES, SHALL BE SUPPORTED INDEPENDENTLY OF THE OUTLET.



CODE INTERPRETATION
RECESSED LIGHT FIXTURE
RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS MEETING ASTM E 283 WHEN TESTED AT 1.57 PSF (75 PA) PRESSURE DIFFERENTIAL WITH NO MORE THAN 2.0 CFM (0.944 L/S) OF AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE CEILING CAVITY. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.



WHEN ALTERATION REPAIR OR ADDITION REQUIRED A PERMIT OCCUR, OR WHEN ONE OR MORE SLEEPING ROOMS ARE ADDED OR CREATED IN EXISTING DWELLINGS THE INDIVIDUAL DWELLING UNITS SHALL BE EQUIPPED WITH SMOKE ALARMS LOCATED AS REQUIRED FOR NEW DWELLINGS. THE SMOKE ALARMS SHALL BE INTERCONNECTED AND HARD WIRED.

SMOKE DETECTORS

SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND BE SUPPLIED WITH A BATTERY BACK-UP.

DETECTORS SHALL SOUND AN ALARM AUDIBLE IN ALL SLEEPING AREAS OF THE DWELLING UNIT IN WHICH THEY ARE LOCATED. INTERCONNECT ON ONE CIRCUIT.

SMOKE DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM DUCT OPENINGS.

1- CARBON MONOXIDE AND SMOKE DETECTORS REQUIRED IN ALL NEW AND EXISTING AREAS OF HOUSE

NOTES:

2- ALL BRANCH CIRCUITS THAT SUPPLY 120 VOLTS, IN ALL LIVABLE AREAS SHALL BE PROTECTED BY A COMBINATION TYPED ARC-FAULT CIRCUIT INTERRUPTER.

6-KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS, RECEPTACLES TO BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S).

TO COMPLY WITH E3902.16

1-ALL KITCHEN ABOVE COUNTER RECEPTACLES SHALL BE INSTALLED @ 46" U.O.N

2-ALL BATHROOM ABOVE COUNTER RECEPTACLES SHALL BE INSTALLED @ 40" U.O.N

3-GARAGE AND EXTERIOR CONVENIENCE RECEPTACLES SHALL BE INSTALLED @ 24".

4-EXTERIOR RECEPTACLES SHALL BE WEATHER PROOF.

5-ALL WALL MOUNTED FIXTURES AT EXTERIOR WALLS & ALL BATHROOM WALL FIXTURES TO BE MOUNTED AT 84".

MAXIMUM AVAILABLE FAULT
CURRENT= 22,000 A

