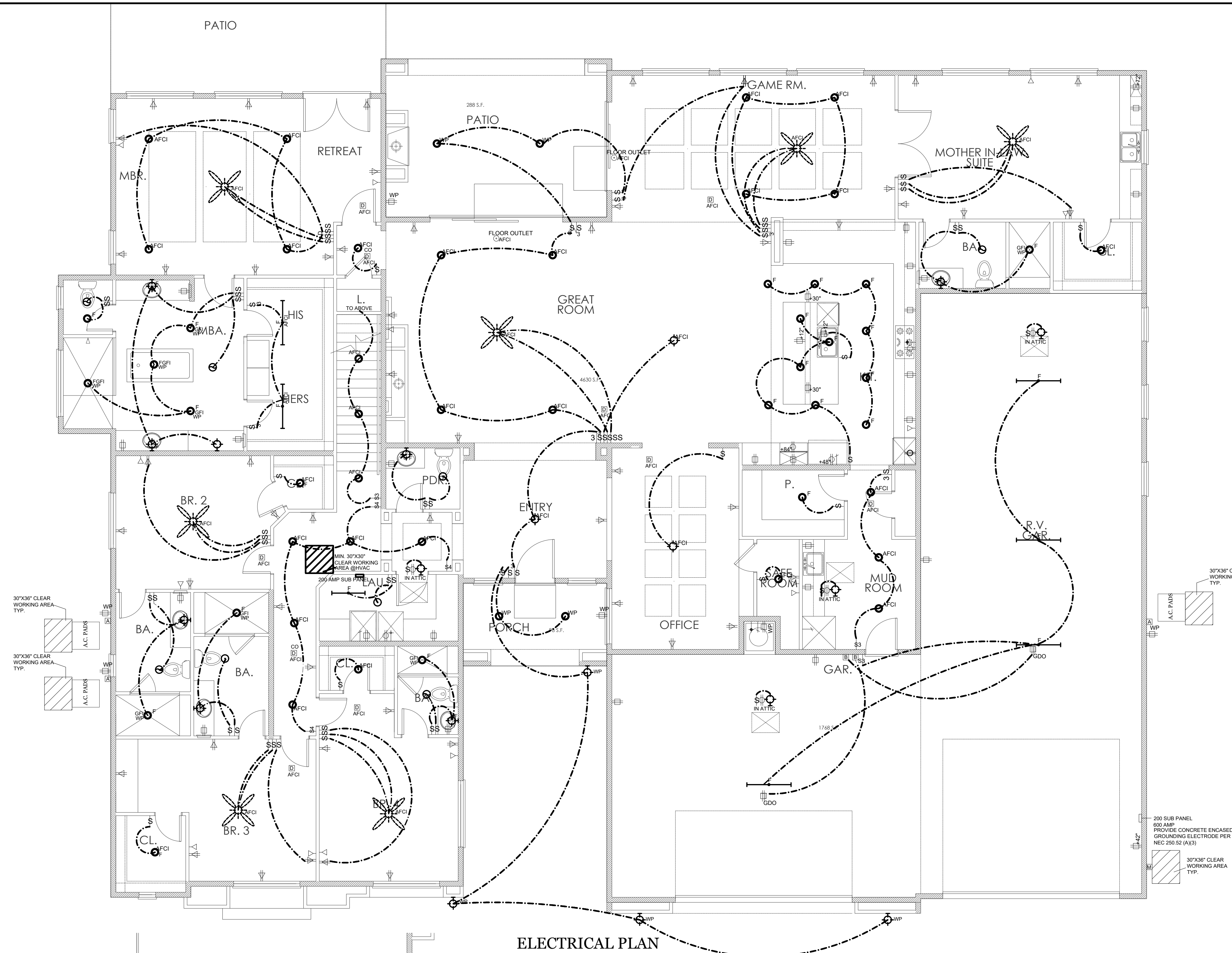
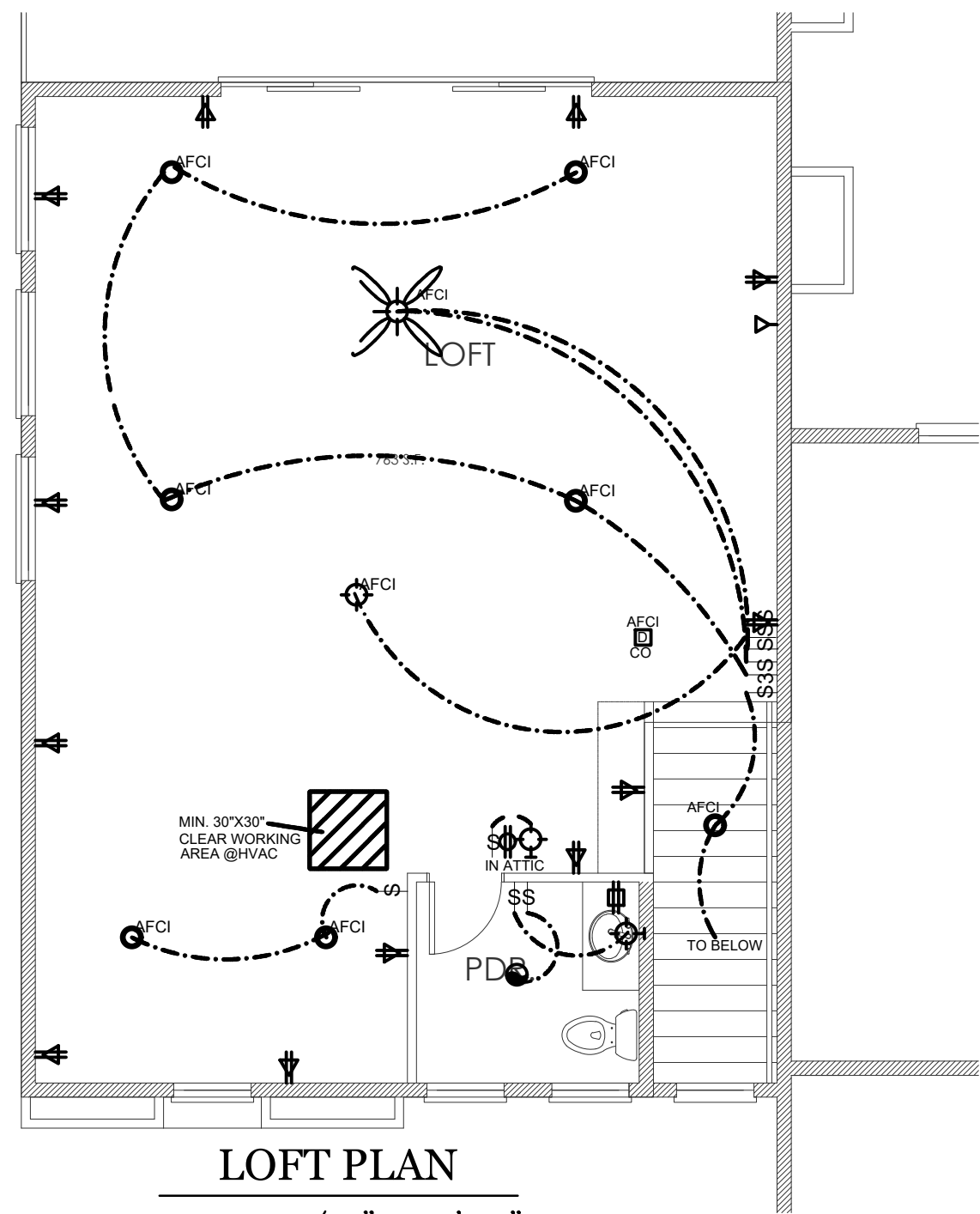




ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"



LOFT PLAN
SCALE: 3/16" = 1'-0"

ELEC. FIXTURES SCHEDULE

110 VOLT DUPLEX OUTLET	
110 VOLT DUPLEX OUTLET PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER	
110 VOLT DUPLEX GROUND FAULT INTERRUPT OUT.	
220 VOLT OUTLET	
110 VOLT SPLIT WIRE DUPLEX OUTLET (1/2 HOT)	
110 VOLT WEATHER PROOF OUTLET	
DISHWASHER OUTLET	
GARBAGE DISPOSAL OUTLET	
CEILING LIGHT - PENDANT	
CEILING LIGHT - FLUSH MOUNT	
WALL MOUNT SCONCE	
RECESSED CEILING "CAN" LIGHT	
RECESSED CEILING "CAN" LIGHT (AFI IN ALL BEDROOMS & CLOSETS & BEDRM)	
RECESSED CEILING "CAN" LIGHT (WATERPROOF)	
LOW VOLT PIN SPOT LIGHT	
RECESSED CEILING "CAN" LIGHT (OPTIONAL)	
3 LIGHT BAR	
5 LIGHT BAR	
2 LIGHT 24" FLUORESCENT FIXTR	
2 LIGHT 48" FLUORESCENT FIXTR	
2 LIGHT 48" FLUORESCENT FIXTR RECESSED IN CEILING	
CEILING FAN WITH LIGHT	
CEILING FAN ONLY (NO LIGHT)	
CEILING EXHAUST FAN	
CEILING MOUNTED MULTI - SMOKE/CARBON MONOXIDE DETECTOR	
SWITCH	
3-WAY SWITCH	
4-WAY SWITCH	
DIMMER SWITCH	
FAN SWITCH	
TELEPHONE JACK WITH OR DATA LINE (CAT-5 OR CAT-6) SEE OWNER/BUILDER FOR LOCATION	
TELEVISION JACK (CABLE READY)	
THERMOSTAT	
GARAGE OPENER BUTTON	
GAS VALVE	
GARAGE DOOR SENSOR-LT	
GARAGE DOOR SENSOR-RT	
3-WAY DIMMER SWITCH	
4-WAY DIMMER SWITCH	
JUNCTION BOX	
ELECTRICAL PANEL	

NOTE: ALL RECEPTACLES SPECIFIED IN 210.52 THAT ARE NON-LOCKING SHALL BE TAMPER-RESISTANT RECEPTACLES NEC406.12

NOTE: A MINIMUM OF SIZE OF PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICIENCY LAMPS 2018 EDC RM4.1 2018 CODE

NOTE: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORES, LIBRARIES, DEKS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (NEC ARTICLE 210.12(A))

NOTE: ALL 120-VOLT, SINGLE PHASE, 15- AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORES, LIBRARIES, DEKS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT. (NEC ARTICLE 210.12(A))

NOTE: ALL RECEPTACLES SPECIFIED IN 210.52 THAT ARE NON-LOCKING SHALL BE TAMPER-RESISTANT RECEPTACLES NEC406.12

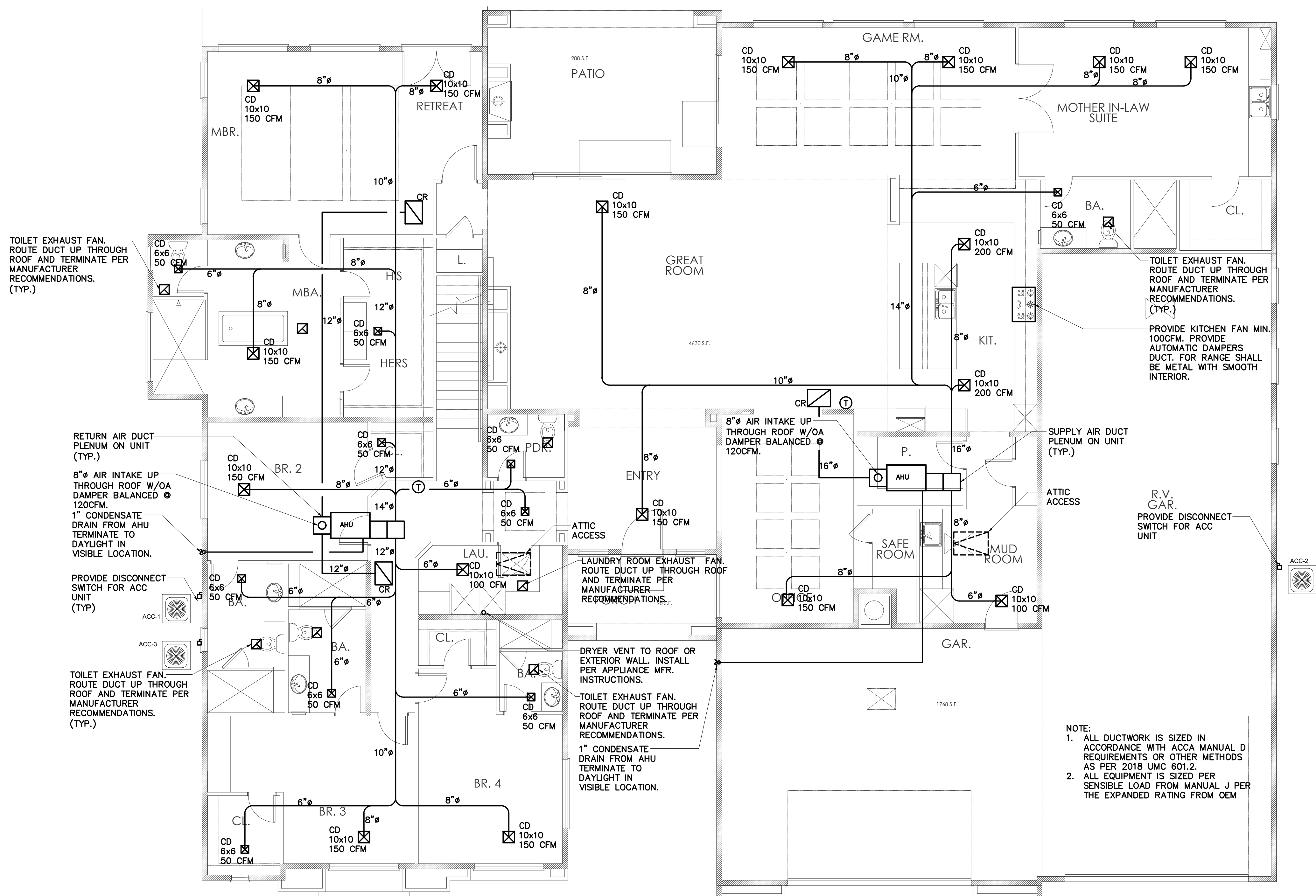
NOTE: A MINIMUM OF SIZE OF PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICIENCY LAMPS 2018 EDC RM4.1 2018 CODE

City of Henderson Dept. of Building and Fire Safety 240 Water Street Henderson, NV 89015 Phone (702) 267-3600 Fax (702) 267-3601	
RESIDENTIAL ELECTRICAL LOAD CALCULATIONS	
Owner: Joe Yakubis	Date: 6/21/18
Address: 740 Naples St	Prepared by: JB
General Lighting Load	Sq.Ft. 4731 X 3 Volt Amps = 14193 VA
Small Appliance Circuits @ 1500 VA each X	3 (min. of two) = 4500 VA
Laundry (Washing Machine) Circuit 1500 VA X	1 (min. of one) = 1500 VA
	Sub Total = 20193 VA
First 3,000 VA of General Lighting Load @ 100%	= 3000 VA
From 3,001 to 120,000 VA @ 35%	ST 17193 X .35 = 6017 VA
Over 120,00 VA use 25%	ST X .25 = 0 VA
Electrical Cooking Appliances, Use NEC Table 220.19	
Number of Appliances	1 Column A = 4500 VA
Number of Appliances	Column B = 0 VA
Number of Appliances	Column C = 0 VA
Dryer Load NEC Table 220.18	= NA VA
	(1) Sub Total = 13617 VA
Heating/Air Conditioning - List type and VA @ 100%	
(H) Heat Pump (G) Gas + Cond (S) Heat Strip (A) Ch Fans	
G	3120 720
G	3120 720
G	3120 720
	(2) Sub Total = 11520 VA
Fixed Appliances - If fewer than four units use 100%. If four or more use 75% of the nameplate rating	
Microwave 1500 VA x	1600
Food Center 600 VA x	0
Compactor 1200 VA x	Water Heater 4500 VA x
Dishwasher 1200 VA x	1200
Jacuzzi Tub 1850 VA x	1850
Disposal 600 VA x	600
Cent Vacuum 1500 VA x	0
Appliances Subtotal	6150 x (100%) or (75%) (3) Sub Total = 3862 VA
Add 25% of the largest motor, usually the A/C compressor	
3120 x 25% LM	780
Spare 20 Amps x 240 Volts	
	(4) Sub Total = 29679 VA
	(5) Sub Total = 4800 VA
GRAND TOTAL (Add Subtotals (1), (2), (3), (4), and (5))	= 34479 VA
Total Volt Amps	34479
Service Size	225
	Divide By 240 Volts = 143.66 Amps
	Grounding Electrode Conductor #4 AWG

REVISIONS	
NO.	DATE
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—	—
NAME: ASSURED DEVELOPMENT	
PHONE: (702) 868-0900	
MAILING ADDRESS: PO BOX 530078	
HENDERSON NV 89053	
SITE ADDRESS: 740 NAPLES ST. (LOT2)	
HENDERSON, NV. 89015	
PARCEL # 179-04-503-001	
DESIGN BUILD ELECTRIC LIC# 60151	
DESIGN BUILD ELECTRIC NV Lic # 60151	

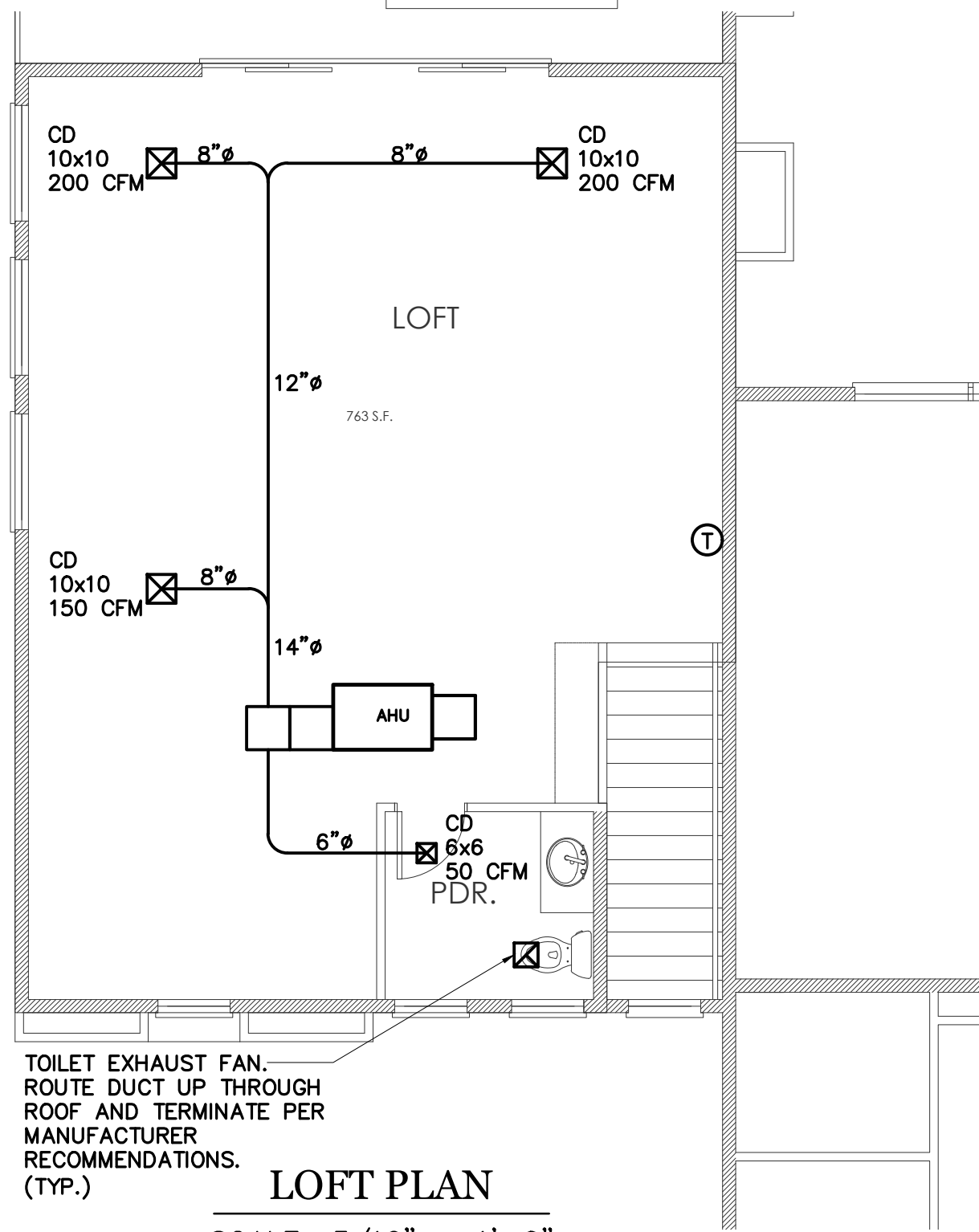
ELECTRICAL PLAN

ORIGINAL DATE:
04/13/21
SCALE:
3/16" = 1'-0"
LIVABLE AREA:
5,393 SQ. FT.



MECHANICAL PLAN

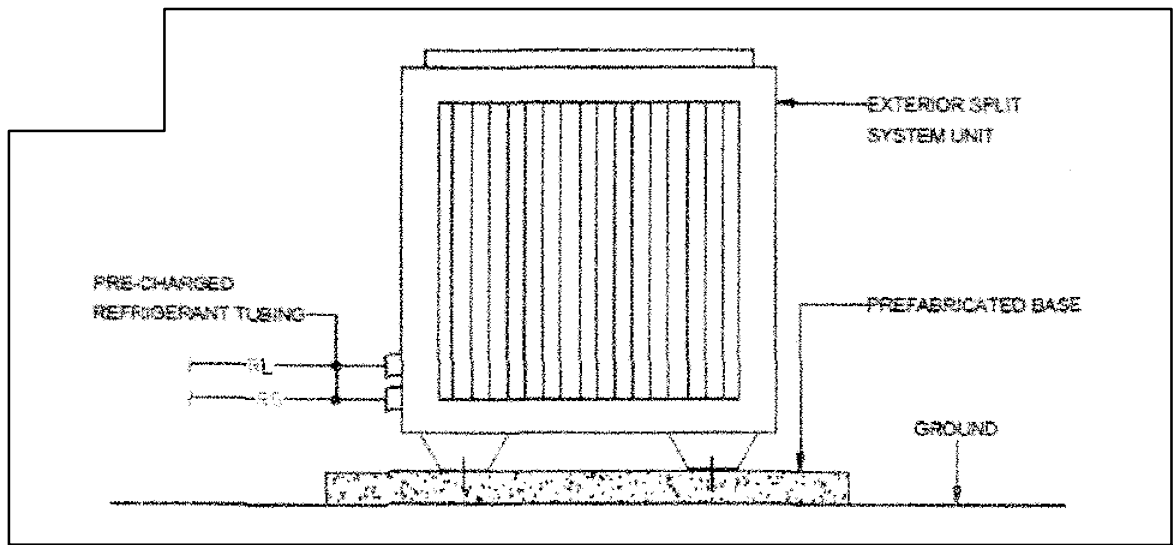
SCALE: 3/16" = 1'-0"



LOFT PLAN

SCALE: 3/16" = 1'-0"

LEGEND	
SYMBOL	DESCRIPTION
	NEW SUPPLY DIFFUSER
	NEW RETURN GRILLE
	NEW T-STAT
	FAN SWITCH
	NEW RIGID DUCT
	TAKE-OFF WITH VOLUME DAMPER
	FLEXIBLE CONNECTION
	UNDER CUT DOOR
	VOLUME DAMPER
	FIRE SMOKE DAMPER W/ACCESS DOOR



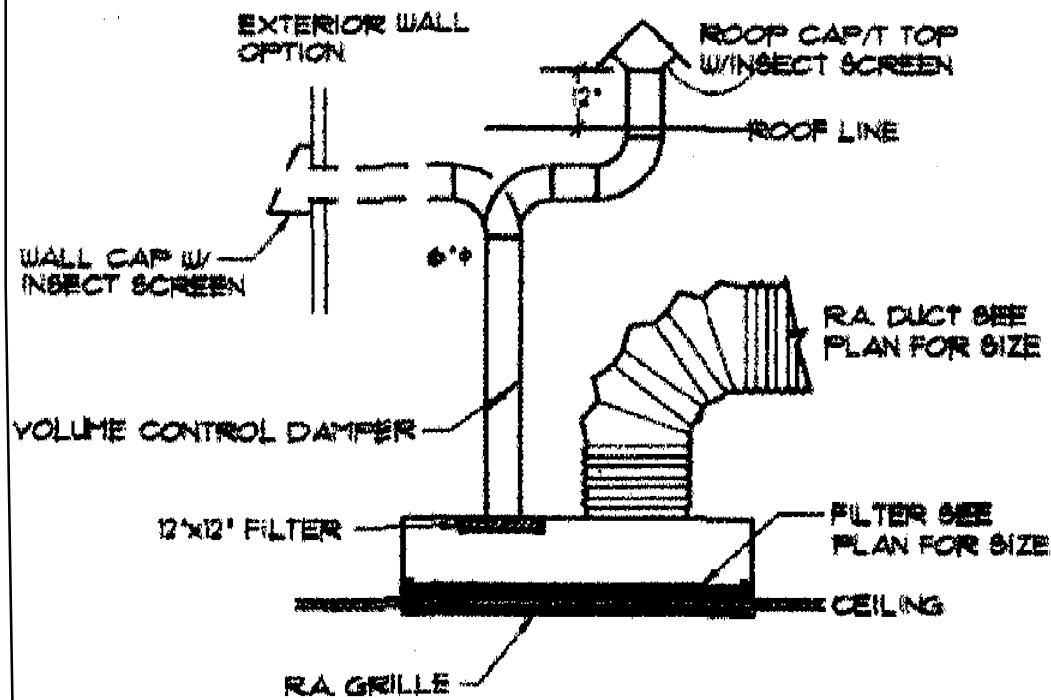
AIR OUTLETS SCHEDULE		
TYPE	DESCRIPTIONS	MFR. MODEL NO.
CD	CEILING SUPPLY DIFFUSER FOR GYP. BOARD CLG. INDIVIDUALLY ADJUSTABLE ALUMINUM CONSTRUCTION. ROUND NECK ADAPTER AND WITH DAMPER	NAILOR 51C OR EQUAL
CR	CEILING RETURN REGISTER WITH 1/2" GRID CORE FACE GYP. BD W/FILTER FRAME, FILTER AND ROUND NECK ADAPTER.	NAILOR 51FE OR EQUAL

MECHANICAL UNIT SCHEDULE		
EQUIPMENT	TONNAGE	ELECTRICAL
RUUD 4.0 TON SYSTEM GAS/ELECTRIC	4.0 TONS	208/1
RUUD 4.0 TON SYSTEM GAS/ELECTRIC	4.0 TONS	208/1
RUUD 3.0 TON SYSTEM GAS/ELECTRIC	3.0 TONS	208/1

EXHAUST FAN SCHEDULE		
EQUIPMENT	QTY.	ELECTRICAL
EF-1 BROAN F-60 CEILING MOUNT	9	120/1
KITCHEN EXHAUST FAN 100 CFM MIN	1	120/1

- GENERAL NOTES:
- ALL WORK SHALL BE IN ACCORDANCE WITH 2018 IBC, UMC, UPC & NFPA, IE22 AND 2017 NEC. ALL LATEST RULES, REGULATIONS AND ORDINANCES OF THE CLARK COUNTY AND STATE OF NEVADA.
 - ALL EXPOSED ROUND DUCT SHALL BE SPIRAL DUCT.
 - ALL NEW DUCTWORK WILL BE CONSTRUCTED AND SUPPORTED UNDER LATEST EDITION OF SMACNA AND 2018 UMC. ALL ROUND FLEXIBLE DUCT ABOVE CEILING SHALL BE FLEXIBLE DUCT WITH MIN R-8 INSULATION. GREASE DUCT SHALL BE 18 GA. STAINLESS STEEL.
 - DUCT INSULATION WILL BE IN ACCORDANCE WITH 2018 IECC ENERGY CODE
 - ALL DUCT SHALL BE INSTALLED TO CLEAR LIGHTS AND BUILDING STRUCTURES.
 - ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION.
 - KITCHEN HOOD INSTALLATION SHALL COMPLY WITH CLARK COUNTY REQUIREMENTS.
 - PROVIDE AUTOMATIC FIRE EXTINGUISHING SYSTEM TO BE INTERCONNECTED WITH COOKING EQUIPMENT FUEL SUPPLY FOR AUTOMATIC SHUT-OFF.
 - SUBMIT THREE COPIES OF SHOP DRAWINGS AND SUBMITTALS FOR REVIEW AND APPROVAL BEFORE ORDERING MATERIALS.
 - SUBMIT THREE COPIES OF BALANCING REPORT.
 - COORDINATE WITH ELECTRICIAN FOR POWER CONNECTIONS.

Air intakes shall close automatically and be located min of 10ft from vents, chimneys or plumbing vents



RETURN AIR W/ OA CONNECTION

NO SCALE

Provide make up Air

Bedrooms 4+1=5x5=25 CFM
Livable Area 3716sqftx 0.06=222.96 CFM
Grand Total = 247.96 CFM

REVISIONS

NO.	DATE
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NAME: ASSURED DEVELOPMENT
PHONE: (702) 868-0900
MAILING ADDRESS: PO BOX 530078 HENDERSON NV 89053

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MECHANICAL PLAN

ORIGINAL DATE: 04/13/21
SCALE: 3/16" = 1'-0"
LIVABLE AREA: 5,393 SQ. FT.

M1.0
