

CONDENSING UNITS: (SEE SHT. M102 FOR CONTINUATION)

AIR COOLED CONDENSING UNIT COMPLETE WITH VARIABLE SPEED DC INVERTER ROTARY COMPRESSORS, GALVANIZED STEEL WITH POWDER COAT COATED CABINET, DIRECT DRIVEN PROPELLER HORIZONTAL DISCHARGE CONDENSER FAN, PVC COATED WIRE GUARD, COPPER TUBE WITH ALUMINUM FINS CONDENSER COIL, PURON R-410A REFRIGERANT, INTERNAL OVERLOADS, TXV VALVE, AND SUPPORT FEET WITH ISOLATION PADS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

PROVIDE CORROSION PROTECTION FOR CONDENSER COIL. PROTECT FINNED TUBES WITH BLYGOLD POLUAL COATING. CABINET SURFACES FOR AIR CONDITIONING UNIT SHALL BE COATED WITH AMERON PSX 700. REPLACE ALL EXPOSED HARDWARE WITH STAINLESS STEEL HARDWARE.

Table with 13 columns: CU NO., TBTUH, ENT AIR, AMB AIR °F, COMP, PWR SUP \*\*, OFM, VOLT/PH/CYC, CARRIER MODEL OR APPROVED EQUAL, REMARKS. Contains data for units CU-1-1 through CU-3-3.

\*\* SEPARATE POWER SUPPLY IS REQUIRED. MCA AND MOCF FOR BOTH UNITS ARE GIVEN.

POWER ROOF VENTILATOR

CENTRIFUGAL BELT DRIVEN TYPE EXHAUST FAN, CENTRIFUGAL BACKWARD INCLINED ALUMINUM FAN WHEEL, STATICALLY AND DYNAMICALLY BALANCED FAN HOUSING OF HEAVY GAUGE ALUMINUM, MOTORS OF HEAVY DUTY BALL BEARING TYPE MOUNTED ON VIBRATION ISOLATORS DRIVE, FRAME ASSEMBLIES SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL, BIRDSCREEN, DISCONNECT SWITCH, STARTERS, STAINLESS STEEL BIRD SCREEN AND GRAVITY BACKDRAFT DAMPER. REPLACE ALL EXPOSED HARDWARE WITH STAINLESS STEEL HARDWARE.

Table with 8 columns: EF NO., CFM, SP, RPM, HP, VOLT/PH/CYC, WT LBS, REMARKS. Lists ventilator specifications for units 1-1 through 3-2.

CEILING EXHAUST FAN:

CENTRIFUGAL CEILING FAN COMPLETE WITH INSULATED HOUSING, EXHAUST GRILLE, REMOVABLE FAN ASSEMBLY AND ISOLATED MOTOR, INTERLOCK WITH LIGHT SWITCH, BACKDRAFT DAMPER, AND VARIABLE SPEED CONTROLLER, ENERGY STAR RATED.

Table with 8 columns: TEF NO., CFM, SP, RPM, WATTS, VOLT/PH/CYC, REMARKS. Lists exhaust fan specifications for units 1-1, 1-2, 1-3, 1-4 through 2-4.

GRAVITY VENT

SPUN ALUMINUM GRAVITY VENTILATOR WITH CORROSION RESISTANT FASTENERS, CONTINUOUSLY WELDED CURB CAP CORNERS, ROLLED BEAD BAFFLE, AND STAINLESS STEEL BIRDSCREEN. REPLACE ALL EXPOSED HARDWARE WITH STAINLESS STEEL HARDWARE.

Table with 8 columns: GV NO., CFM, SP, FACE AREA, SF, THROAT AREA, SF, WT LBS, REMARKS. Lists gravity vent specifications for units EV-1, EV-2 and IV-1 through IV-4.

Drawings are for building reference only.

MECHANICAL GENERAL NOTES:

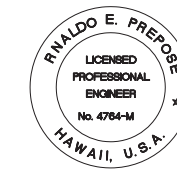
- IN GENERAL, PLANS AND DIAGRAMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.
CONTRACTOR TO VISIT SITE AND VERIFY ALL CLEARANCES BEFORE FABRICATION OF DUCTWORK AND PROVIDE ADDITIONAL OFFSET AND/OR CHANGES IN DUCT SIZES TO MEET FIELD CONDITIONS AND COORDINATE WITH ELECTRICAL AND PLUMBING SUBCONTRACTORS BEFORE ANY CONSTRUCTION WORK.
CONTRACTOR SHALL NOTIFY THE OWNER, ARCHITECT OR HIS AUTHORIZED REPRESENTATIVE OF ANY DAMAGE TO THE EXISTING INSTALLATION BEFORE PROCEEDING WITH THE WORK.
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES, FIXED WORK SUCH AS DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS, SMALL WATER LINES, ETC.
UNLESS OTHERWISE NOTED, INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE. COORDINATE DUCT ELEVATION WITH WATER PIPING, SANITARY DRAINS AND MAJOR ELECTRICAL CONDUITS.
CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS.
DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
LOCATION OF THE WALL MOUNTED THERMOSTAT SHALL BE COORDINATED WITH OTHER TRADES FOR A NEAT APPEARANCE. FINAL LOCATION OF THE THERMOSTAT AND SENSORS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR HIS REPRESENTATIVE IN THE FIELD.
COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES, SPEAKERS AND FIRE SPRINKLER HEAD (WHERE APPLICABLE).
PROVIDE A TRAP IN ALL CONDENSATE PIPING LOCATED AT THE FAN COIL UNIT, CONDENSATE PIPING TO BE SCH 40 CPVC. INSULATE ALL CONDENSATE LINES ABOVE FINISHED GRADE WITH 1/2" THICK AMAFLEX INSULATION.
REGARDLESS OF HVAC SCHEDULES, THE MECHANICAL CONTRACTOR TO VERIFY VOLTAGE WITH ELECTRICAL BEFORE ORDERING ORDERING EQUIPMENT.
DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. INTERNAL INSULATION (WHERE USED) HAS NOT BEEN ACCOUNTED FOR.
FLEXIBLE AND RIGID ROUND DUCT TAKE-OFFS FOR DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 7'-0" AND MINIMUM 5'-0". INSULATE WITH RIGID ROUND DUCTS WITH 1-1/2" FOIL FACED FIBERGLASS DUCT WRAP, DUCT WRAP TO HAVE AN INSTALLED MINIMUM THERMAL RESISTANCE (R) VALUE OF 6.0.
ALL EXHAST AND OUTSIDE AIR DUCTWORK SHALL BE GALVANIZED SHEETMETAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS. ALL JOINTS SHALL BE SECURELY TAPED WITH 3" WIDE GLASS FABRIC TAPE WITH FOSTER 30/35 MASTIC OR EQUAL.
FAN COIL UNITS OUTSIDE AIR INTAKE SHALL MAINTAIN A MINIMUM OF 12'-0" FROM ANY WALL EXHAUST FANS, CAPS, SANITARY VENT THRU ROOF PIPING, ETC.
PROVIDE ALL HVAC EQUIPMENT WITH MANUFACTURER'S RECOMMENDED SERVICE AREA CLEARANCES.
IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL THE HEATING, VENTILATION AND AIR CONDITIONING SYSTEM SO AS TO INSURE QUIET OPERATION. NO VIBRATION OR SOUND SHALL BE TRANSMITTED TO THE THE BUILDING, STRUCTURE OR OCCUPIED AREAS. THE DECISION OF THE ENGINEER AS TO THE QUIETNESS OF THE SYSTEM AND EQUIPMENT SHALL BE FINAL. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO CORRECT OR REPLACE ANY NOISY SYSTEM OR EQUIPMENT AS REQUIRED.
ALL AUTOMATIC TEMPERATURE CONTROL SYSTEM WORK, MODIFICATION AND INSPECTION SHALL BE ACCOMPLISHED BY THIS CONTRACTOR. ALL DAMAGED, DEFECTIVE, MISSING, OR INAPPROPRIATE DEVICES SHALL BE REPAIRED OR REPLACED AS REQUIRED. THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL CONTROL SYSTEM.
SEAL ALL PENETRATIONS THOURGH WALLS, CEILINGS, FLOORS, ETC. SO THAT THEY ARE AIR, WATER AND FIRE TIGHT.
FURNISH AND INSTALL ACCESS PANELS FOR ALL CONCEALED EQUIPMENT, FIRE DAMPERS, PIPING VALVES, CLEANOUTS, ETC. ACCESS PANELS SHALL BE OF SUFFICIENT SIZE TO PROVIDE ADEQUATE WORKING CLEARANCE AN ACCESS PER CODE.
DISINFECT WATER LINES PER UPC SECTION 609.9. WATER LINES SHALL BE DISINFECTED WITH CHLORINE BEFORE ACCEPTANCE OF WORK. FLUSH SYSTEM WITH CLEAN POTABLE WATER. SYSTEM SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PPM OF CHLORINE. ALLOW FOR 24-HOUR CONTACT PERIOD. AFTER CONTACT PERIOD, FLUSH SYSTEM WITH CLEAN POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER.

MECHANICAL LEGEND AND SYMBOLS:

Legend table with 4 columns: Symbol, Abbreviation, Description, Symbol. Lists mechanical components like ABV (Above), AP (Access Panel), AW (Acid Waste), etc.

Professional Engineer stamp for Arnaldo E. Prepose, License No. 4764-M, dated 04-10-15. Includes text: 'To the best of my knowledge, this project's design substantially conforms to the Energy Code for:'

Project information table with columns: REV NO, DESCRIPTION, DATE, HARRIS JOB NO., DRAWING NO. Includes 'EQUIPMENT SCHEDULE MECHANICAL LEGEND'.



EXPIRATION DATE OF LICENSE: APRIL 30, 2016
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

**EQUIPMENT SCHEDULE** (SEE SHT. M103 FOR CONTINUATION)

**VRF AIR CONDITIONING SYSTEM**

**FAN COIL UNIT: MEDIUM STATIC DUCTED**

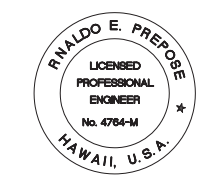
FACTORY ASSEMBLED CEILING MEDIUM STATIC DUCTED, DIRECT EXPANSION TYPE WITH ANTI-CORROSION COOLING COIL OF COPPER COILS AND ALUMINUM FINS, CORROSION PROTECTED CASING WITH FINISH, MOUNTING BRACKETS, BUILT-IN CONDENSATE PUMP, MERV 8 FILTER, MULTI-SPEED CENTRIFUGAL FANS, AND WIRED STANDARD THERMOSTAT AND MICROPROCESSOR CONTROLS WITH DEHUMIDIFYING MODE AND TIMER. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**FAN COIL UNIT: COMPACT CASSETTE**

FACTORY ASSEMBLED CASSETTE DUCT FREE, DIRECT EXPANSION TYPE WITH ANTI-CORROSION COOLING COIL OF COPPER COILS AND ALUMINUM FINS, ABS PLASTIC CASING WITH FINISH, MOUNTING BRACKETS, AUTO-AIR GRILLE DISTRIBUTION, BUILT-IN CONDENSATE PUMP, REMOVABLE FILTER, MULTI-SPEED CENTRIFUGAL FAN, AND WIRED STANDARD THERMOSTAT AND MICROPROCESSOR CONTROLS WITH DEHUMIDIFYING MODE AND TIMER. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FCU NO.	TBTUH	SBTUH	SA CFM	OA CFM	ENT AIR		AMB AIR °F	FAN COIL UNIT			VOLT/PH/CYC	CARRIER MODEL OR APPROVED EQUIV	REMARKS
					°FDB	°FWB		FLA	MCA	MOCP			
1-1-1 1-1-2	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
1-1-3, 1-1-4 1-1-5, 1-1-6 1-1-7, 1-1-8 1-1-9	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
1-1-10	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
1-1-11	12,000	---	330	60	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-1-1	12,000	---	220	220	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-1-2	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
	(191,800)												
1-2-1 1-2-2	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
1-2-3	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
1-2-4	12,000	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
1-2-5 1-2-6	9,500	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0091MH2UL	35 LBS, CASSETTE
1-2-7	18,000	---	380	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
1-2-8 1-2-9	12,000	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
1-2-10	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
O-1-3	12,000	---	360	360	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
	(154,400)												
1-3-1, 1-3-2 1-3-3, 1-3-4 1-3-5, 1-3-6 1-3-7, 1-3-8	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
1-3-9 1-3-10	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
1-3-11	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-1-4	12,000	---	220	220	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-1-5	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
	(195,200)												
2-1-1 2-1-2	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
2-1-3, 2-1-4 2-1-5, 2-1-6 2-1-7, 2-1-8 2-1-9	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
2-1-10	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
2-1-11	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
O-2-1	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-2-2	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
	(197,800)												

Drawings are for building reference only.

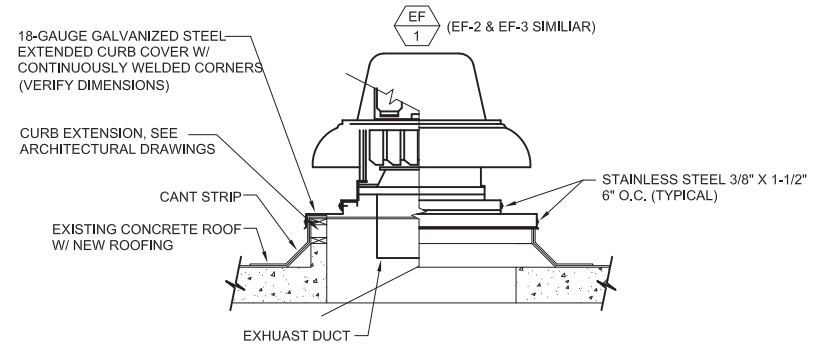


EXPIRATION DATE OF LICENSE: APRIL 30, 2016  
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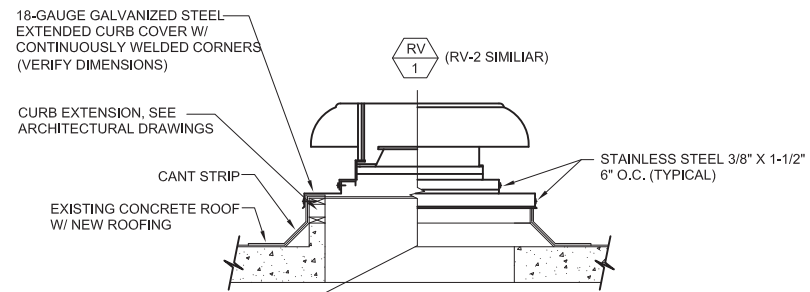
REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
EQUIPMENT SCHEDULE		
DESIGNED BY: <b>AEP</b>	CHECKED BY: <b>AEP</b>	HARRIS JOB NO.
DRAWN BY: <b>AEP / JY</b>	APPROVED BY:	DRAWING NO.
SCALE: <b>AS NOTED</b>	DATE: <b>APRIL 2015</b>	SHEET <b>M102</b> OF SHTS

EQUIPMENT SCHEDULE (CONTINUED FROM SHT. M102)

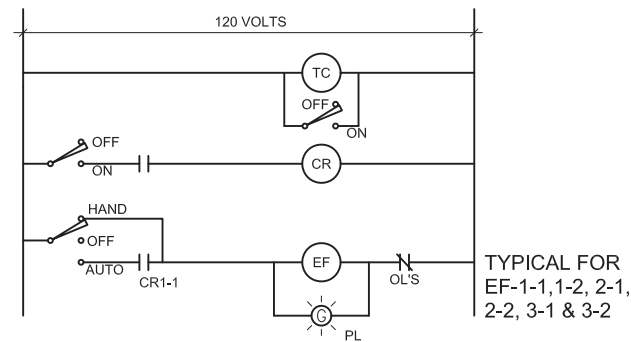
FCU NO.	TBTUH	SBTUH	SA CFM	OA CFM	ENT AIR			FAN COIL UNIT			VOLT/PH/CYC	CARRIER MODEL OR APPROVED EQUAL	REMARKS
					*FDB	*FWB	AMB AIR *F	FLA	MCA	MOCP			
2-2-1	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
2-2-2	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
2-2-3, 2-2-4 2-2-5, 2-2-6	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
2-2-7	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
2-2-8, 2-2-9 2-2-10	12,000	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-2-3	12,000	---	360	360	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
(157,600)													
2-3-1, 2-3-2 2-3-3, 2-3-4 2-3-5, 2-3-6 2-3-7, 2-3-8	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
2-3-9 2-3-10	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
2-3-11	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-2-4	12,000	---	220	220	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-2-5	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
(195,200)													
3-1-1 2-1-2	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
3-1-3, 3-1-4 3-1-5, 3-1-6 3-1-7, 3-1-8 3-1-9	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
3-1-10	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
3-1-11	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
O-3-1	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-3-2	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
(197,800)													
3-2-1	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
3-2-2	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
3-2-3, 3-2-4 3-2-5, 3-2-6	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
3-2-7 3-2-8	12,000	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0091MH2UL	35 LBS, CASSETTE
3-2-9	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
3-2-10	12,000	---	330	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-3-3	12,000	---	370	370	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
(157,600)													
3-3-1, 3-3-2 3-3-3, 3-3-4 3-3-5, 3-3-6 3-3-7, 3-3-8	15,400	---	390	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0151MH2UL	35 LBS, CASSETTE
3-3-9 3-3-10	18,000	---	450	40	80	67	95	0.50	0.70	15	208-230/1/60	MMU-AP0181MH2UL	35 LBS, CASSETTE
3-3-11	12,000	---	300	40	80	67	95	0.40	0.50	15	208-230/1/60	MMU-AP0121MH2UL	35 LBS, CASSETTE
O-3-4	12,000	---	220	220	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
O-3-5	12,000	---	240	240	80	67	95	0.80	1.00	15	208-230/1/60	MMD-AP0124BH2UL	64 LBS, DUCTED
(195,200)													



EXHAUST FAN MOUNTING DETAIL  
NO SCALE



GRAVITY VENT MOUNTING DETAIL  
NO SCALE

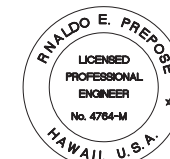


SEQUENCE OF CONTROLS:

EXHAUST FANS ARE ACTIVATED BY 7-DAY TIMECLOCK WITH 24-HR CARRYOVER AND MANUAL BYPASS SWITCH. FANS SHALL BE ACTIVATED THROUGH CONTROL RELAYS.

EXHAUST FANS CONTROL SCHEMATIC  
NO SCALE

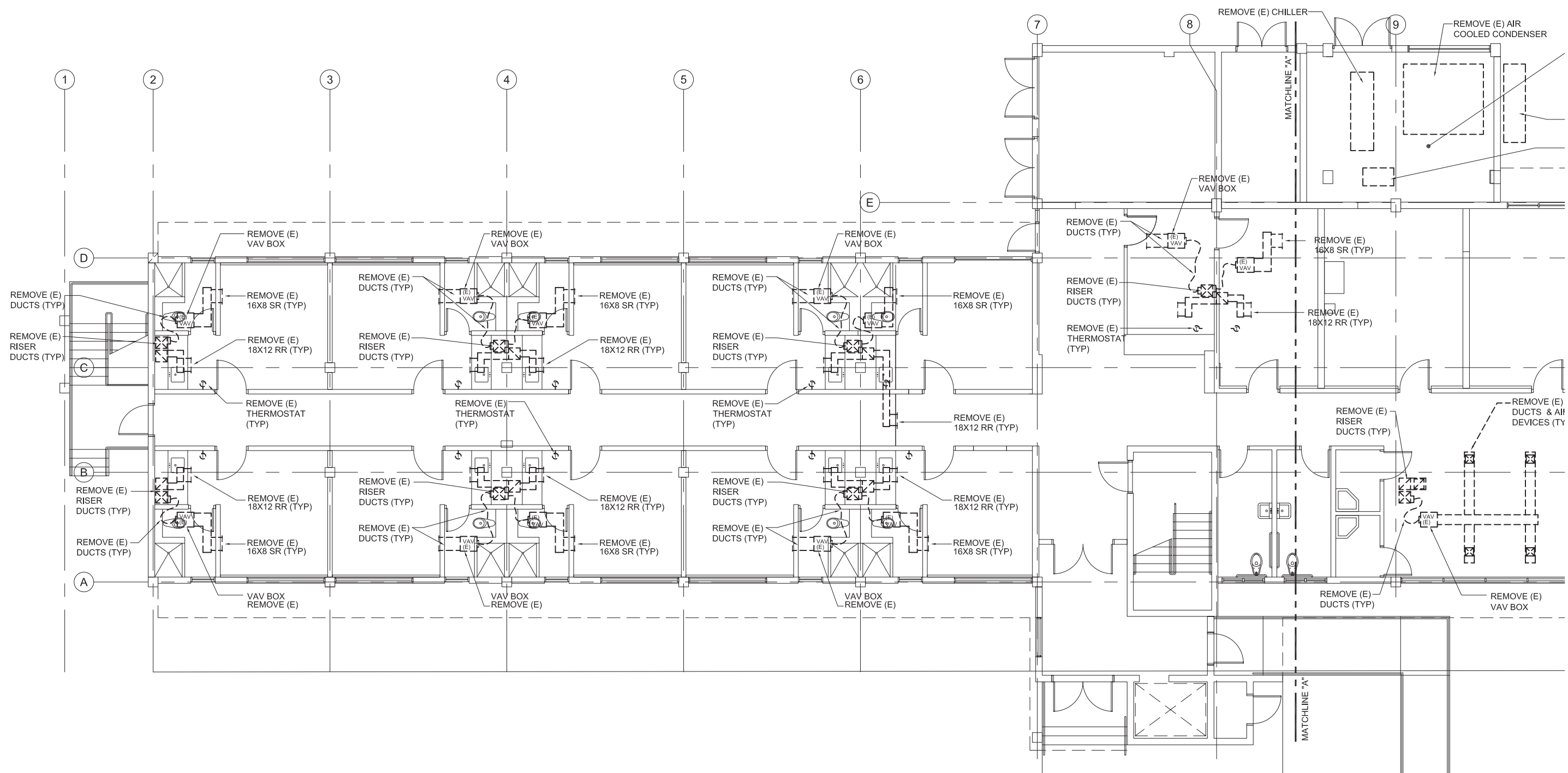
**Drawings are for building reference only.**



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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
EQUIPMENT SCHEDULE MECHANICAL DETAILS		
DESIGNED BY: <b>AEP</b>	CHECKED BY: <b>AEP</b>	HARRIS JOB NO.
DRAWN BY: <b>AEP / JY</b>	APPROVED BY:	DRAWING NO.
SCALE: <b>AS NOTED</b>	DATE: <b>APRIL 2015</b>	SHEET <b>M103</b> OF 

DATE ISSUED: ---

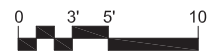


### PATIAL FIRST FLOOR AIR CONDITIONING REMOVAL PLAN

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

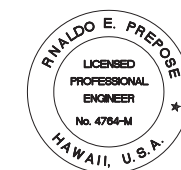


NORTH



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

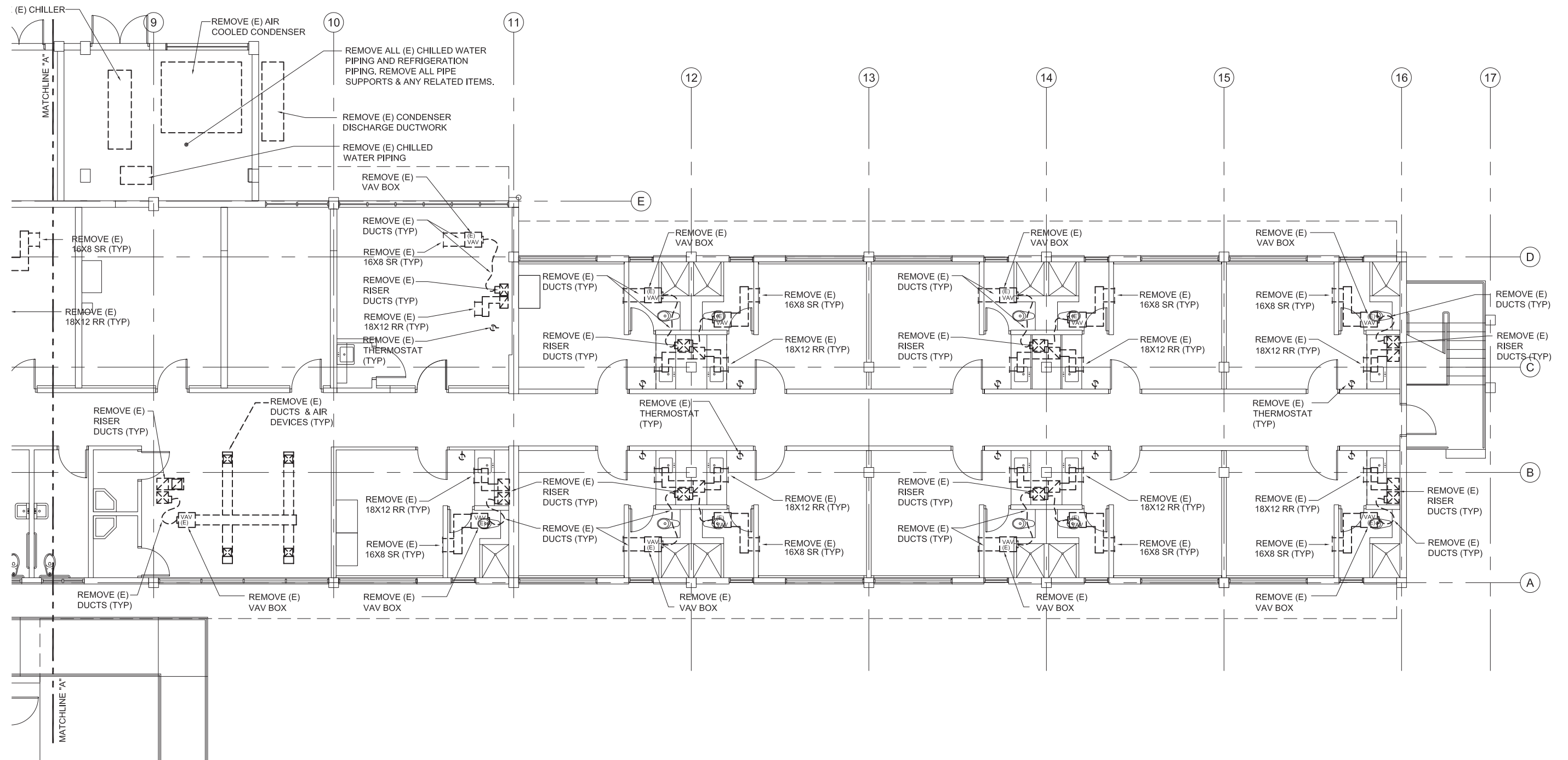
**Drawings are for building reference only.**



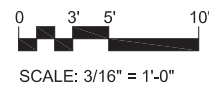
EXPIRATION DATE OF LICENSE:  
APRIL 30, 2016

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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
<b>PARTIAL FIRST FLOOR            AIR CONDITIONING REMOVAL PLAN</b>		
DESIGNED BY: AEP	CHECKED BY: AEP	HARRIS JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DRAWING NO. <b>M201</b>
SCALE: AS NOTED	DATE: APRIL 2015	SHEET OF _____ SHTS



**PATIAL FIRST FLOOR AIR CONDITIONING REMOVAL PLAN**  
 SCALE: 3/16" = 1'-0"



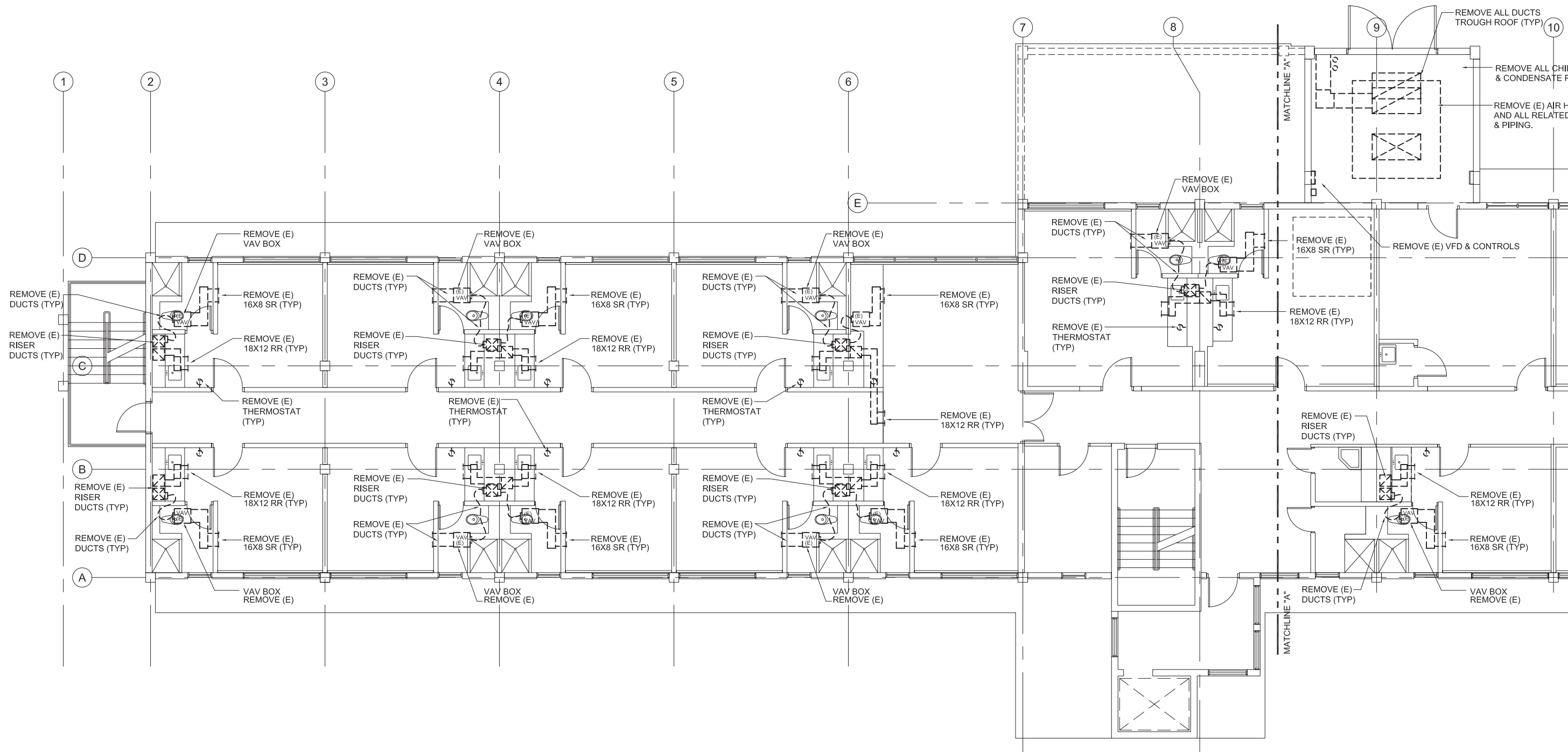
**Drawings are for  
 building reference only.**



EXPIRATION DATE OF LICENSE:  
 APRIL 30, 2016

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 CONSTRUCTION OF THIS PROJECT  
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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
<b>PARTIAL FIRST FLOOR          AIR CONDITIONING REMOVAL PLAN</b>		
DESIGNED BY: AEP	CHECKED BY: AEP	HABING JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DATE
SCALE: AS NOTED	APRIL 2015	DRAWING NO. <b>M202</b>
		SHEET 
		OF 

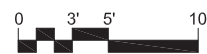


**PATIAL SECOND FLOOR AIR CONDITIONING REMOVAL PLAN**

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

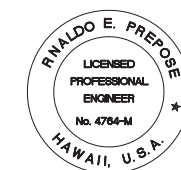


NORTH



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

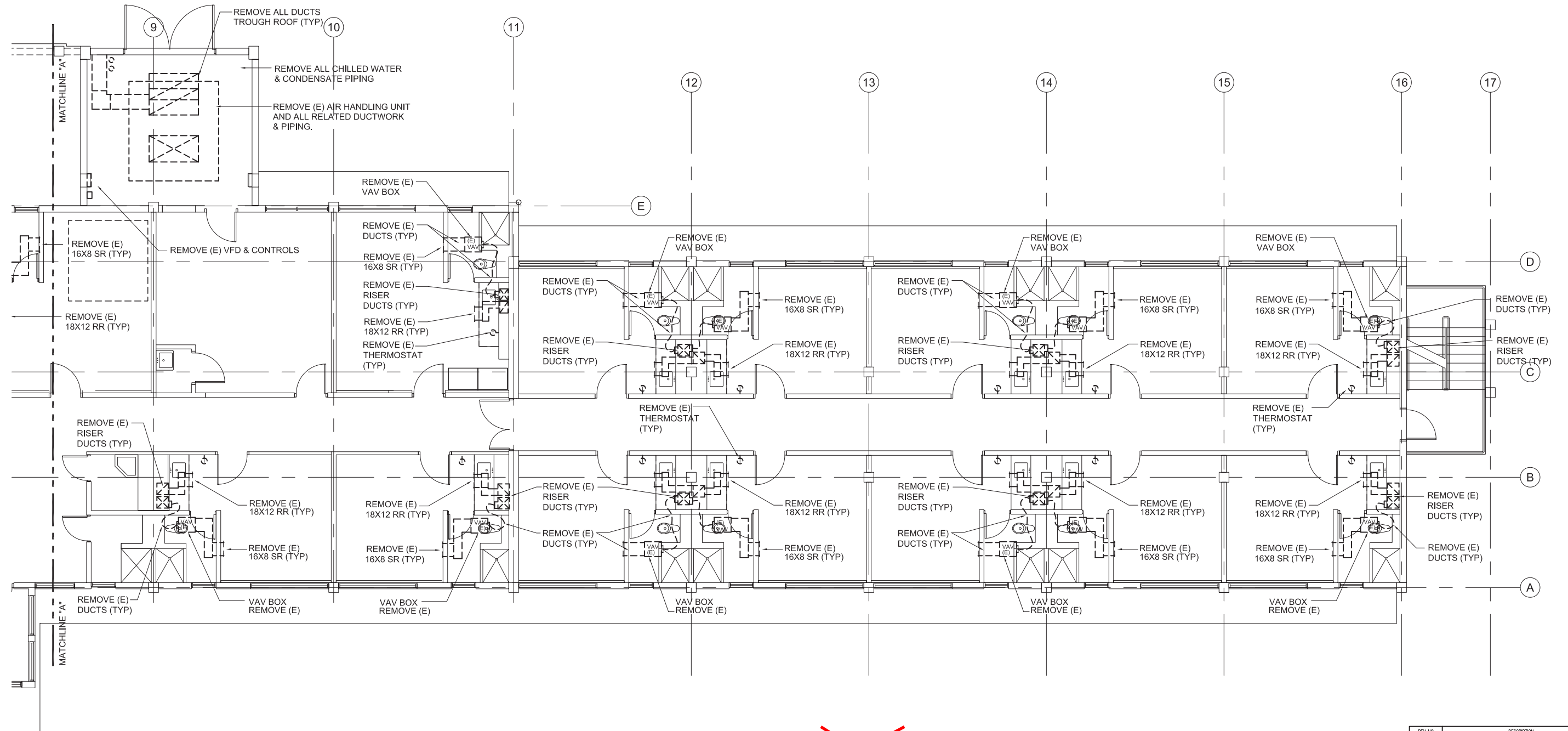
Drawings are for building reference only.



EXPIRATION DATE OF LICENSE:  
APRIL 30, 2016

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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
PARTIAL SECOND FLOOR AIR CONDITIONING REMOVAL PLAN		
DESIGNED BY: AEP	CHECKED BY: AEP	HABING JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DATE
SCALE: AS NOTED	APRIL 2015	DRAWING NO. <b>M203</b>
		SHEET
		OF _____ SHTS

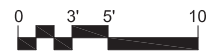


**PATIAL SECOND FLOOR AIR CONDITIONING REMOVAL PLAN**

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

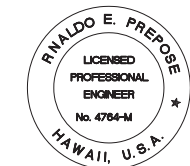


NORTH



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

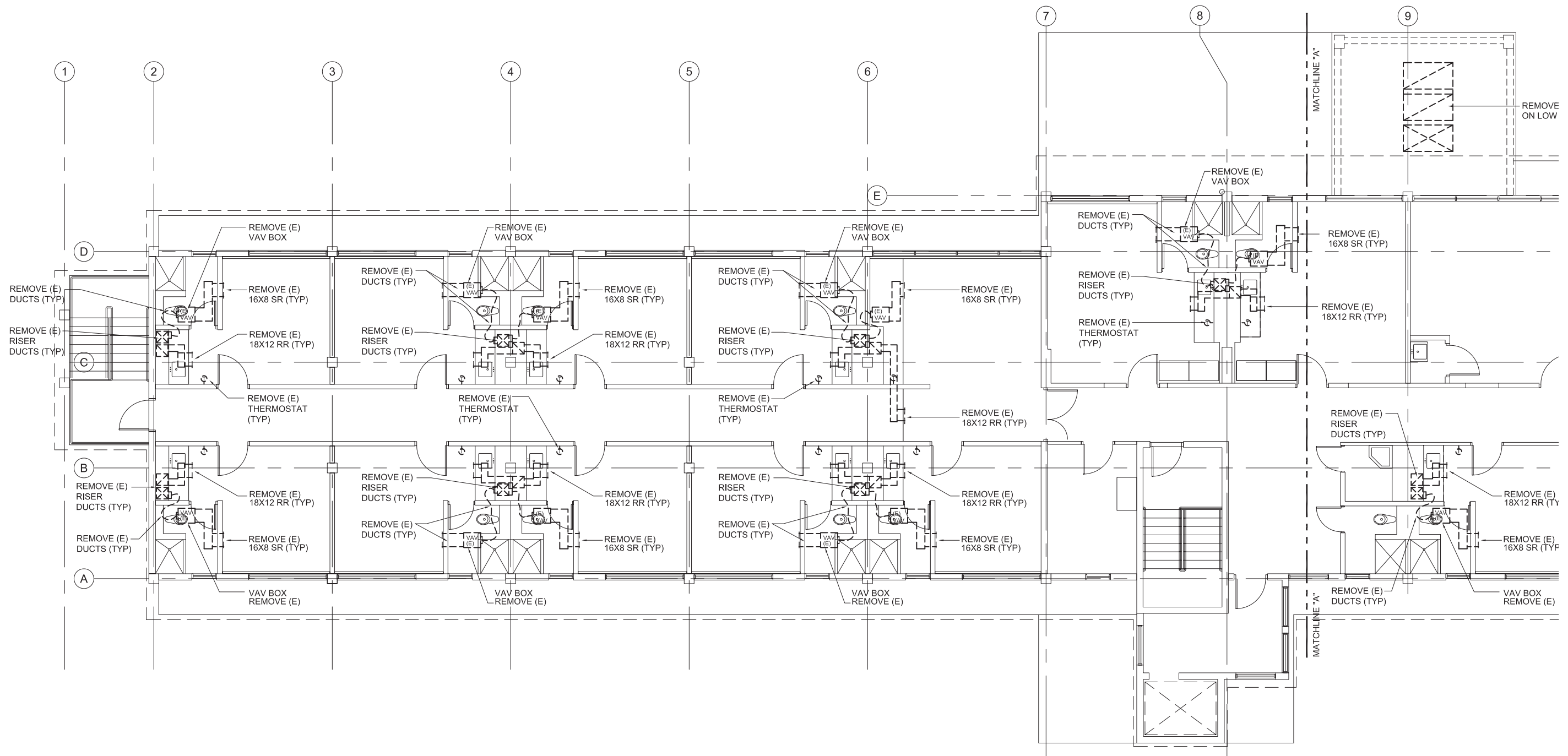
**Drawings are for building reference only.**



EXPIRATION DATE OF LICENSE: APRIL 30, 2016

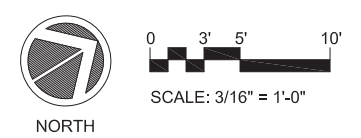
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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
PARTIAL SECOND FLOOR AIR CONDITIONING REMOVAL PLAN		
DESIGNED BY: AEP	CHECKED BY: AEP	HAWAII JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DATE
SCALE: AS NOTED	APRIL 2015	DRAWING NO. M204
SHEET		OF SHEETS

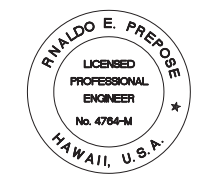


**PATIAL THIRD FLOOR AIR CONDITIONING REMOVAL PLAN**

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



**Drawings are for building reference only.**

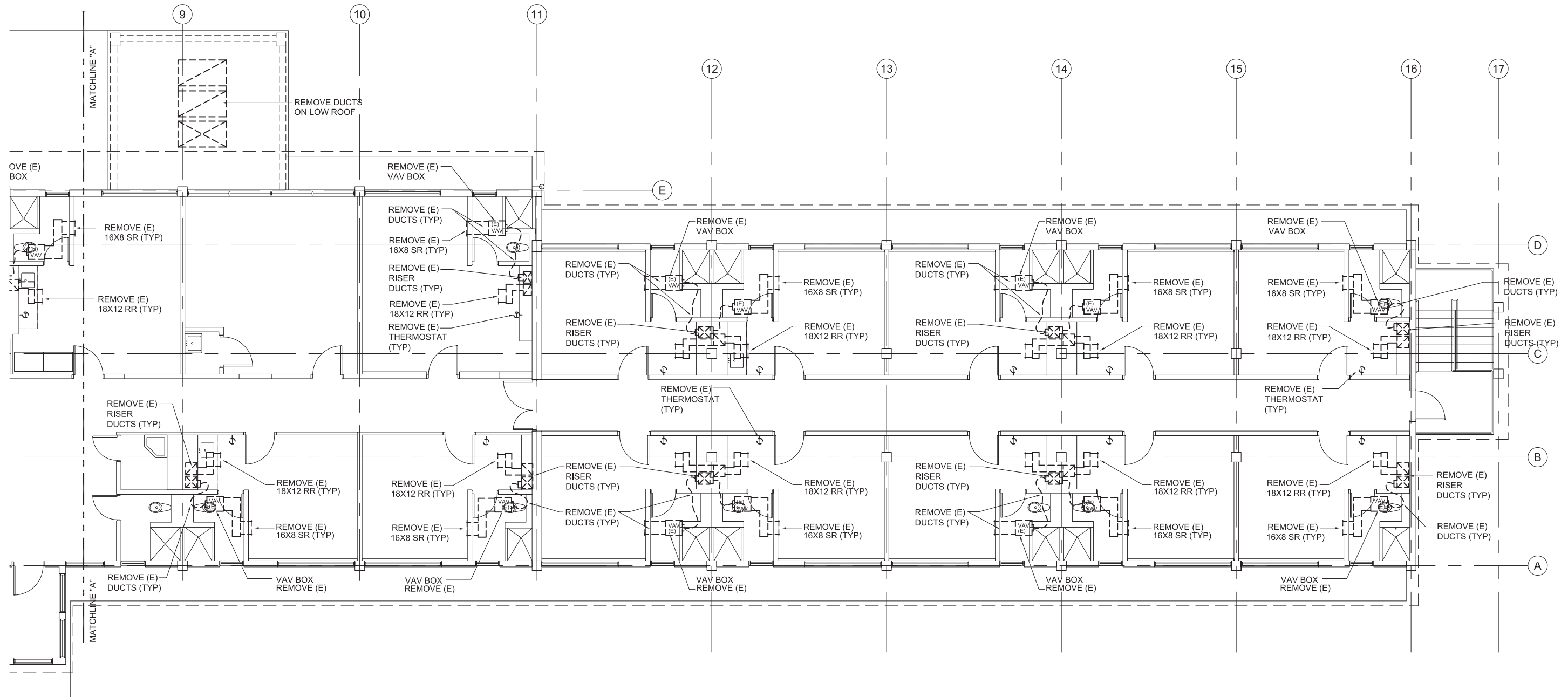


EXPIRATION DATE OF LICENSE:  
APRIL 30, 2016

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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
<b>PARTIAL THIRD FLOOR          AIR CONDITIONING REMOVAL PLAN</b>		
DESIGNED BY: AEP	CHECKED BY: AEP	HABING JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DATE
SCALE: AS NOTED	APRIL 2015	DRAWING NO. <b>M205</b>



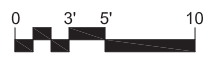


**PATIAL THIRD FLOOR AIR CONDITIONING REMOVAL PLAN**

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



NORTH



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

Drawings are for building reference only.



EXPIRATION DATE OF LICENSE:  
APRIL 30, 2016

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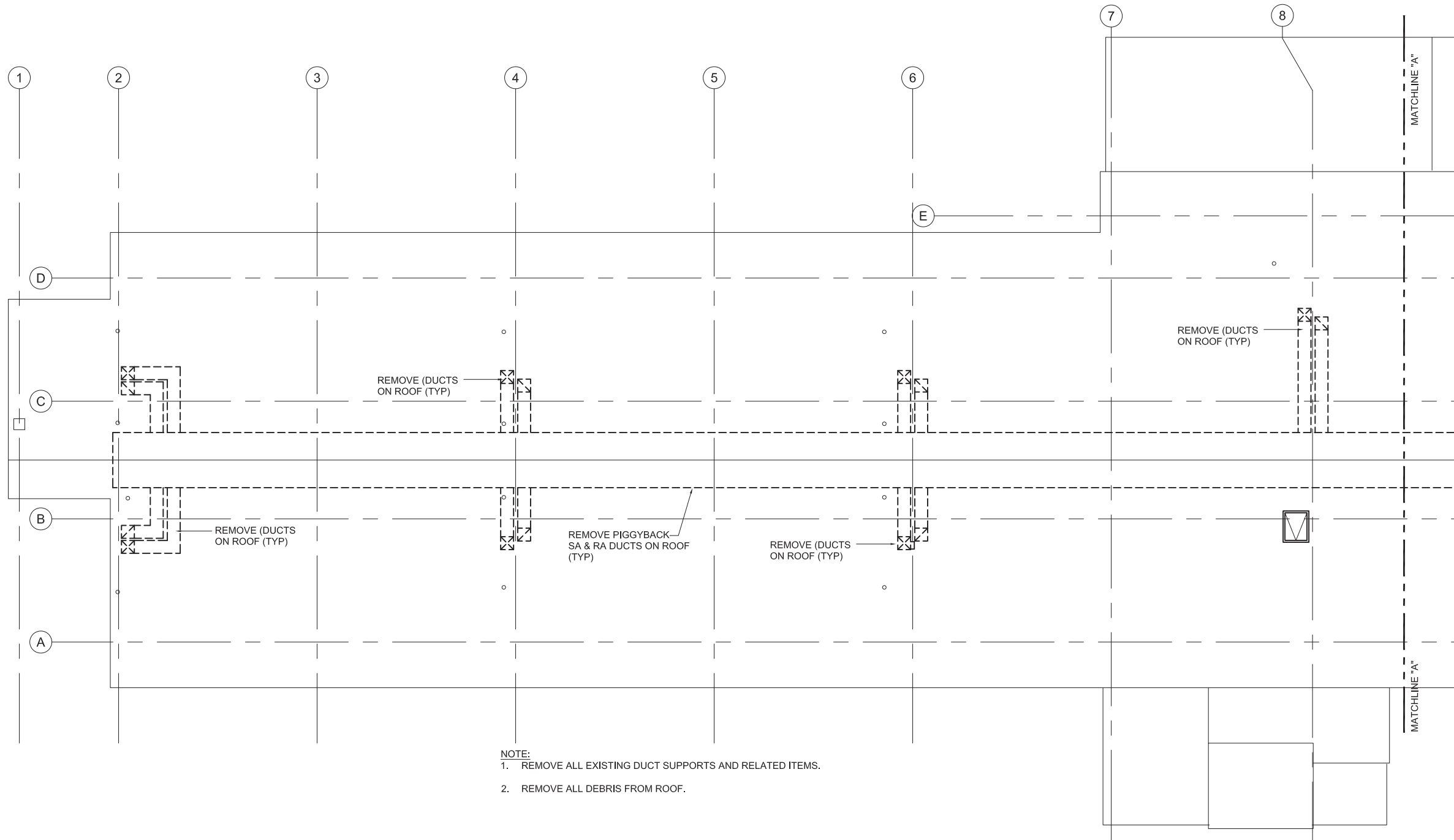
REV NO	DESCRIPTION	DATE

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
STATE OF HAWAII

PN15110011  
KALAELOA BUILDING 46  
INTERIOR RENOVATIONS  
KALAELOA, KAPOLEI, OAHU, HAWAII

**PARTIAL THIRD FLOOR AIR CONDITIONING REMOVAL PLAN**

DESIGNED BY: AEP	CHECKED BY: AEP	HAWAII JOB NO.	DRAWING NO. <b>M206</b>
DRAWN BY: AEP / JY	APPROVED BY:	DATE APRIL 2015	SHEET OF _____ SHTS
SCALE: AS NOTED		DATE ISSUED: _____	



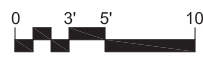
- NOTE:
1. REMOVE ALL EXISTING DUCT SUPPORTS AND RELATED ITEMS.
  2. REMOVE ALL DEBRIS FROM ROOF.

### PATIAL ROOF AIR CONDITIONING REMOVAL PLAN

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



NORTH



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

Drawings are for building reference only.



EXPIRATION DATE OF LICENSE:  
APRIL 30, 2016

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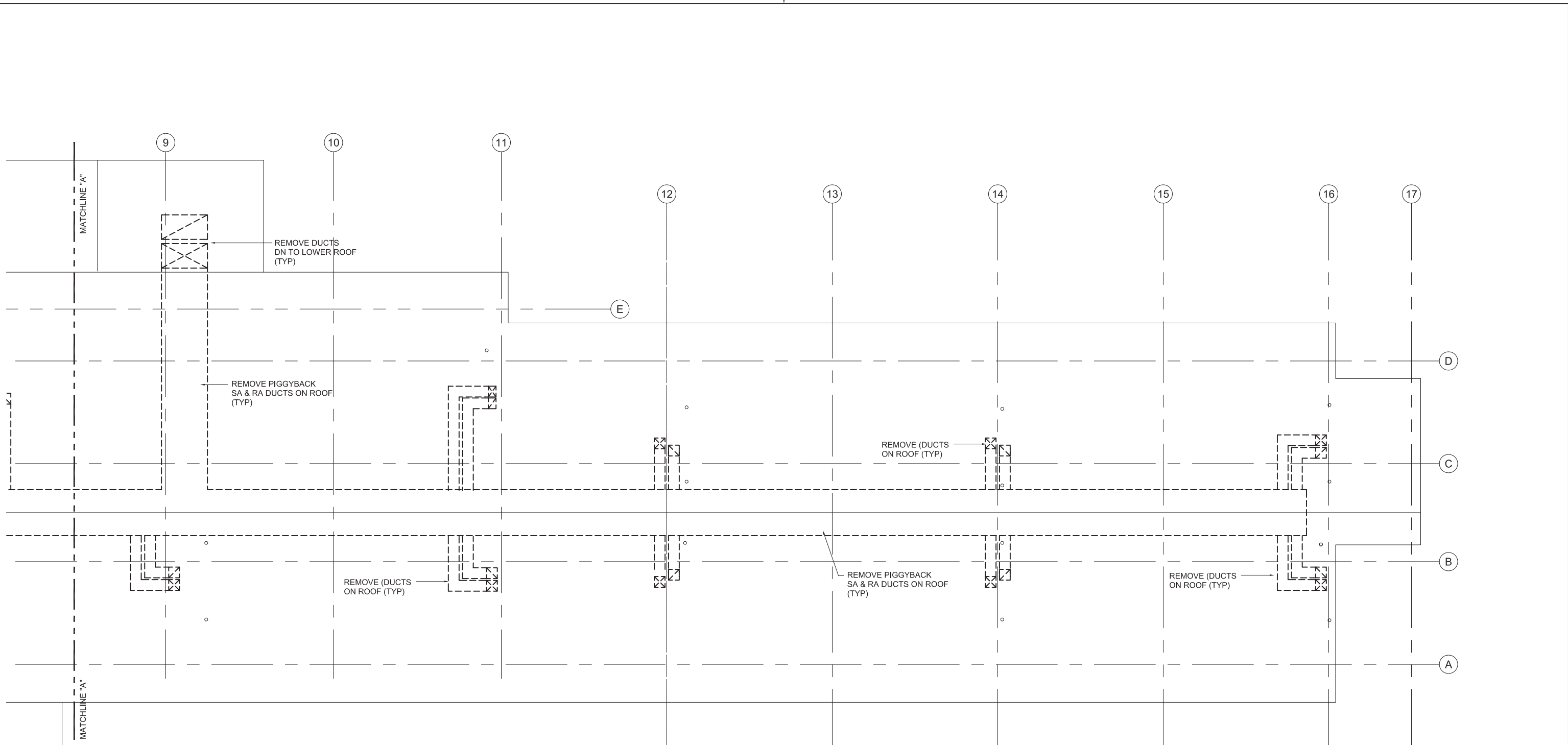
REV NO	DESCRIPTION	DATE

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
STATE OF HAWAII

PN15110011  
KALAELOA BUILDING 46  
INTERIOR RENOVATIONS  
KALAELOA, KAPOLEI, OAHU, HAWAII

PARTIAL ROOF  
AIR CONDITIONING REMOVAL PLAN

DESIGNED BY: AEP	CHECKED BY: AEP	HAWAII JOB NO.	DRAWING NO. M207
DRAWN BY: AEP / JY	APPROVED BY:	DATE APRIL 2015	SHEET OF SHTS
SCALE: AS NOTED		DATE ISSUED: ---	



NOTE:  
 1. REMOVE ALL EXISTING DUCT SUPPORTS AND RELATED ITEMS.  
 2. REMOVE ALL DEBRIS FROM ROOF.

**PATIAL ROOF AIR CONDITIONING REMOVAL PLAN**

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

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REV NO	DESCRIPTION	DATE
DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD STATE OF HAWAII		
PN15110011 KALAELOA BUILDING 46 INTERIOR RENOVATIONS KALAELOA, KAPOLEI, OAHU, HAWAII		
<b>PARTIAL ROOF          AIR CONDITIONING REMOVAL PLAN</b>		
DESIGNED BY: AEP	CHECKED BY: AEP	HABING JOB NO.
DRAWN BY: AEP / JY	APPROVED BY:	DATE
SCALE: AS NOTED	APRIL 2015	DRAWING NO. <b>M208</b>
OF _____ SHEETS		DATE ISSUED: _____