

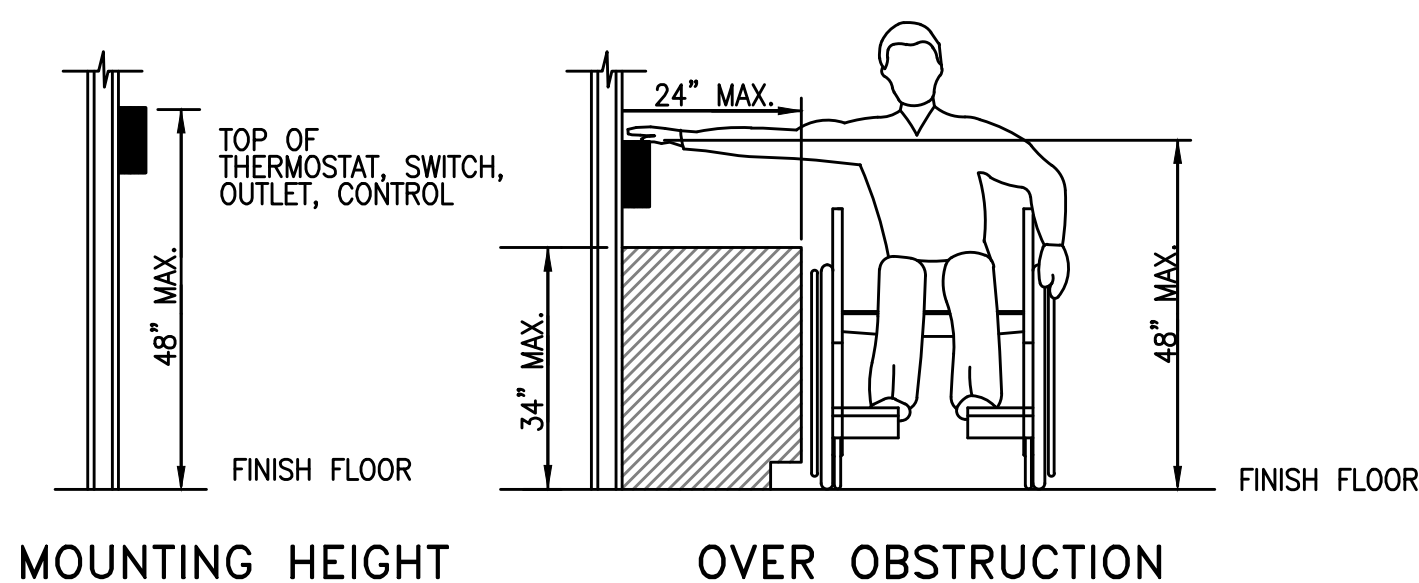
**GENERAL NOTES**

- A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
- PROVIDE COMPLETE SEISMIC ANCHORAGE AND BRACING FOR THE LATERAL AND VERTICAL SUPPORT OF PIPING AND MECHANICAL EQUIPMENT ETC., AS REQUIRED BY SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS".
- CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLING ANY MATERIAL OR EQUIPMENT.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF LOS ANGELES, 2022 CBC, CPC AND CMC AND OTHER REGULATIONS.
- ACCESS AND WORKING SPACE MUST BE PROVIDED AND MAINTAINED AROUND ALL MECHANICAL, ELECTRICAL, AND CONTROL EQUIPMENT TO PERMIT READY AND SAFE OPERATION, EXAMINATION, AND MAINTENANCE.
- ALL EQUIPMENT SHALL BE UL-LISTED AND MANUFACTURER SPECIFICATIONS SHALL BE AVAILABLE TO THE INSPECTOR DURING CONSTRUCTION.
- LOCATIONS OF DUCTWORK IS APPROXIMATE. ALL DRAWINGS AND LAYOUT ARE DIAGRAMMATIC TO SHOW DESIGN INTENT ONLY. CONTRACTOR TO COORDINATE ALL DUCTWORK AND PIPING WITH ALL OTHER NEW WORK AND EXISTING CONDITIONS. IF FIELD CONDITION DIFFER SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS AND AFFECT MECHANICAL WORK, INFORM ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH THAT AREA.
- PROVIDE COMPLETE NEBB/AABC CERTIFIED AIR BALANCING FOR THE INDICATED AIR QUANTITIES.
- A MINIMUM OF 36 INCHES CLEAR WORKING SPACE, NOT LESS THAN 30 INCHES WIDE. SHALL BE MAINTAINED IN FRONT OF ALL SWITCHES, OVERCURRENT DEVICES AND ELECTRIC CONTROL COMPONENTS.
- ALL CONTROL WIRING AND COMPONENTS FOR A FULLY-OPERATIONAL SYSTEM SHALL BE UNDER THIS DIVISION. CONDUIT BY ELEC.CONTRACTOR.
- CONTRACTOR SHALL PROVIDE COMPLETE SET OF SHOP DRAWINGS PRIOR TO START OF CONSTRUCTION WORK FOR REVIEW BY ARCHITECT/ENGINEER.
- THERMOSTAT SHALL BE LOCATED BESIDE LIGHT SWITCH AT A HEIGHT AS DIRECTED BY ARCHITECT.
- INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED ENCLOSURES AND PARTITIONS, AND TUNNEL CEILINGS.
- NO COMBUSTIBLE MATERIAL SHALL BE EXPOSED WITHIN THE DUCTS OR PLENUMS USED TO CONVEY CIRCULATING AIR. MATERIALS EXPOSED SHALL HAVE FLAME INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.
- PROVIDE VOLUME DAMPERS IN EACH SUPPLY AND EXHAUST/RETURN BRANCH DUCT OUTLET AS FAR AWAY FROM DIFFUSER AS POSSIBLE. VOLUME DAMPER NEEDS TO BE GASKETED.
- CONTRACTOR TO COORDINATE FINAL DIFFUSER LOCATION WITH ARCHITECTURAL DRAWINGS.
- ENTIRE INSTALLATION (INCLUDING NEW ACCESSORY EQUIPMENT, LABOR AND MATERIALS) WARRANTED FOR ONE YEAR FROM THE TIME OF THE BENEFICIAL USE.
- ALL DUCT GAGES SHALL BE PER TABLE 5-5, 5-6 & 5-7 OF CMC CHAPTER 5.
- ALL DUCTWORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6 OF THE CMC.
- FOR DUCTWORK SOFFITS AT ALL APARTMENT UNITS, REFER TO ARCHITECTURAL DWGS FOR EXACT LOCATION.
- ALL DUCTWORK IS TO BE TAPED UP IMMEDIATELY AFTER IT IS INSTALLED-DUCTWORK NEEDS TO BE PUSHED BACK ON ITSELF SO NO DEBRIS GETS IN.

**DRAWING LIST**

MO.1	NOTES, LEGENDS, SYMBOLS AND ABBREVIATIONS
MO.2	HVAC EQUIPMENT SCHEDULES
MO.3	HVAC EQUIPMENT SCHEDULES
MO.4	SYSTEMS WIRING & PIPING DIAGRAMS
M1.1	FIRST FLOOR PLAN - HVAC
M1.2	SECOND FLOOR PLAN - HVAC
M1.3	THIRD FLOOR PLAN - HVAC
M2.0	TILTE 24 FORMS

**ACCESSIBILITY DETAIL**



**SYMBOLS & ABBREVIATIONS**

ACD	AUTOMATIC CONTROL DAMPER	(L)	LINED DUCTWORK
AFF	ABOVE FINISHED FLOOR	LB	POUND
AC	AIR CONDITIONING	LDB	LEAVING DB TEMPERATURE
AMB	AMBIENT	LIN.FT.	LINEAR FEET
BOD	BOTTOM OF DUCT	LVG.	LEAVING
BDD	BACKDRAFT DAMPER	LWB	LEAVING WB TEMPERATURE
BHP	BRAKE HORSEPOWER	MAU	MAKE UP AIR UNIT
BLDG	BUILDING	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	THOUSAND BTU PER HOUR
BTUH	BTU PER HOUR	MHP	MOTOR HORSEPOWER
BOP	BOTTOM OF PIPE	MIN	MINIMUM
CFF	CAPPED FOR FUTURE	MANUF	MANUFACTURER
CD	CEILING DIFFUSER	M'T'D	MOUNTED
CFM	CUBIC FEET PER MINUTE	NO.	NUMBER
COND	CONDENSATE	NTS	NOT TO SCALE
CONN	CONNECTION	(N)	NEW
CONT	CONTINUATION	NFA	NET FREE AREA
CR	CEILING REGISTER/RETURN	OPER WT	OPERATING WEIGHT
CUFT	CUBIC FEET	PD	PRESSURE DROP
CSFD	COMBINATION SMOKE/FIRE DAMPER	POC	POINT OF CONNECTION
CU	CONDENSING UNIT	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB	RA	RETURN AIR
DIA	DIAMETER	RL	REFRIGERANT LIQUID
DISC.	DISCONNECT	RPM	REVOLUTION PER MINUTE
DR	DRAIN	RS	REFRIGERANT SUCTION
DTR	DOWN THRU ROOF	SA	SUPPLY AIR
EAT	ENTERING AIR TEMPERATURE	SD	SMOKE DETECTOR
EDB	ENTERING DRY BULB	SP	STATIC PRESSURE
EF	EXHAUST FAN	SQ. FT.	SQUARE FEET
EL	ELEVATION	TA	THROW AWAY
ELEC	ELECTRICAL	TEMP	TEMPERATURE
(E)	EXISTING	TRD	TRANSFER DUCT
ENT	ENTERING	TI	TENANT IMPROVEMENT
EWB	ENTERING WET BULB	VD	VOLUME DAMPER
F	FILTER	WB	WET BULB
FA	FREE AREA (SQUARE FEET)	WC	WATER COLUMN
°F	DEGREE FAHRENHEIT	WG	WATER GAUGE
FAP	FIRE ALARM PANEL	WH	WATER HEATER
FCU	FAN COIL UNIT	UTR	UP THRU ROOF
FLA	FULL LOAD AMPERES		
FBM	FEET PER MINUTE		
FT.	FEET		
HP	HORSE POWER		
HZ	HERTZ		
IN	INCHES		

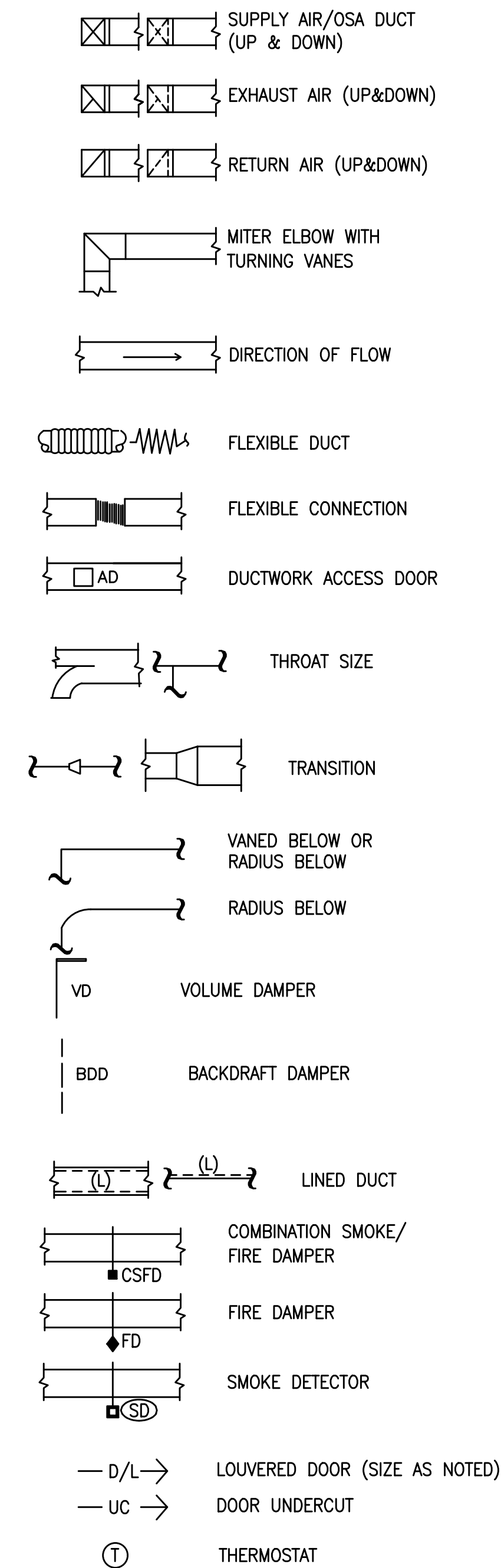
**APPLICABLE SMACNA DETAIL**

NOTES:	1. BASED ON SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE, LATEST EDITION	
	2. FOR DUCT CONSTRUCTION, HANGERS AND SUPPORTS, SEE SPECIFICATIONS.	
FIG.#	NAME	REMARKS
3 - 4	ROUND DUCT ELBOWS	SEGMENTED OR STAMPED ONLY, NO ADJUST, GORE ELBOWS
3 - 6	CONICAL TEES	
3 - 7	FLAT OVAL DUCTS	
4 - 2	RECTANGULAR ELBOWS	USE TYPE RE1 & RE2 ONLY
4 - 3	VANES & VANES RUNNERS	USE DOUBLE THICKNSS VANES ONLY, MIN. 4-1/2"R
4 - 4	VANE SUPPORT IN ELBOWS	W1 MUST EQUAL W2
4 - 5	DIVIDED FLOW BRANCHES	
4 - 6	BRANCH CONNECTIONS	
4 - 7	OFFSETS & TRANSITIONS	
6 - 3	ROOF TOP DUCT INSTALLATION	INLET & OUTLET AREAS SHALL BE EQUAL
6 - 4	EQPT & DUCT SUPPORT FLUSHING	USE PIER OR CURB BASE
7 - 2	DUCT ACCESS DOORS	
7 - 3	ACCESS DOOR-ROUND DUCT	DO NOT USE SPLIT SLEEVE TYPE
7 - 4	VOLUME DAMPERS-SINGLE BLADE	
7 - 6	GRILLE & REGISTER CONNECTIONS	
7 - 7	CEILING DIFFUSER BRANCH DUCT	METAL BOX BEHIND DIFF. NO 90DEG. FLEX ELBOW ALLOWED
7 - 8	FLEXIBLE CONNECTION AT FAN	
7 - 11	DUCT LINER INSTALLATION	PROVIDE METAL NOSING FOR VELOCITIES ABOVE 2500FPM
7 - 12	LINER FASTENER	
7 - 13	OPTIONAL HAT SECTION	
7 - 14	DUCT LINER INTERRUPTION	
10 - 1	LINEAR DIFFUSER PLENUM	

**MANDATORY REQUIREMENT NOTES**

- A) THE PERSON WITH OVERALL RESPONSIBILITY FOR CONSTRUCTION OR THE PERSON RESPONSIBLE FOR THE INSTALLATION OF REGULATED MANUFACTURED DEVICES SHALL POST, OR MAKE AVAILABLE WITH THE BUILDING PERMIT(S) ISSUED FOR THE BUILDING, THE INSTALLATION CERTIFICATE(S) FOR MANUFACTURED DEVICES REGULATED BY THE APPLIANCE STANDARDS OR PART 6. SUCH INSTALLATION CERTIFICATE(S) SHALL BE MADE AVAILABLE TO THE ENFORCEMENT AGENCY FOR ALL APPROPRIATE INSPECTIONS. THESE CERTIFICATES SHALL:
- IDENTIFY FEATURES REQUIRED TO VERIFY COMPLIANCE WITH THE APPLIANCE STANDARDS AND TITLE 24, PART 6.
  - INCLUDE A STATEMENT INDICATING THAT THE INSTALLED DEVICES CONFORM TO THE APPLIANCE STANDARDS AND PART 6 AND THE REQUIREMENTS FOR SUCH DEVICES GIVEN IN THE PLANS AND SPECIFICATIONS APPROVED BY THE LOCAL ENFORCEMENT AGENCY.
  - STATE THE BUILDING PERMIT NUMBER UNDER WHICH THE CONSTRUCTION OR INSTALLATION WAS PERFORMED. -SEC.10-103(a)3A
- B) AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL MAKE AVAILABLE TO THE ENFORCEMENT AGENCY OR POST IN A CONSPICUOUS LOCATION IN THE BUILDING A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION IS CONSISTENT WITH THE PLANS AND THE REQUIREMENTS OF SECTION 10-103(a)2.A. THE CERTIFICATE SHALL ALSO STATE THE MANUFACTURER'S NAME AND MATERIAL IDENTIFICATION AND THE INSTALLED R-VALUE. -SEC.10-103(a)4
- C) MANUFACTURED FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL:
- HAVE TEMPORARY LABEL MEETING THE REQUIREMENTS OF SEC.10-111(a)1, NOT TO BE REMOVED BEFORE INSPECTION BY THE ENFORCEMENT AGENCY, LISTING THE CERTIFIED U-VALUE AND SHGC, AND CERTIFYING THAT THE AIR LEAKAGE REQUIREMENTS OF SECTION 116(a)1 ARE MET FOR EACH PRODUCT LINE; AND
  - HAVE A PERMANENT LABEL MEETING THE REQUIREMENT OF SECTION 10-111(a)2 IF THE PRODUCT IS RATED USING NFRC PROCEDURES. -SEC.166 (a)
- D) JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED, OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION. -SEC.117
- E) ALL INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAMESPREAD RATING SMOKE DENSITY REQUIREMENTS OF THE CBC. -SEC.118 (c)
- F) ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 OF THE 2010 CMC. SUPPLY AIR AND RETURN AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS DUCTS ARE IN CONDITIONED SPACE. -SEC.124 (a)
- G) THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR THE PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING:
- OPERATING INFORMATION. A LIST OF THE HEATING, COOLING, WATER HEATING, AND LIGHTING SYSTEMS AND FEATURES, MATERIALS, COMPONENTS AND MECHANICAL DEVICES, CONSERVATION OR SOLAR DEVICES INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY.
  - MAINTENANCE OPERATION. REQUIRED ROUTINE MAINTENANCE ACTION SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE MAINTENANCE MANUAL.
  - VENTILATION INFORMATION. A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEM IS DESIGNED TO PROVIDE TO EACH AREA. -SEC.10-103 (c)
- THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY SECTION 121(b)2, OR THREE COMPLETE AIR CHANGES SHALL BE SUPPLIED TO THE ENTIRE BUILDING DURING THE ONE-HOUR PERIOD IMMEDIATELY BEFORE THE BUILDING IS NORMALLY OCCUPIED. -SEC.121(c) 2
- H) OUTDOOR AIR SUPPLY AND EXHAUST EQUIPMENT SHALL BE INSTALLED WITH DAMPERS THAT AUTOMATICALLY CLOSE UPON FAN SHUTDOWN. -SEC.122 (f)
- I) THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL MEET THE FOLLOWING REQUIREMENTS AS APPLICABLE:
- EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL.
  - THERMOSTATIC CONTROLS SHALL BE CAPABLE OF BEING SET, LOCALLY OR REMOTELY, BY ADJUSTMENT OR SELECTION OF SENSORS;
    - DOWN TO 55°F OR LOWER TO CONTROL HEATING; OR
    - UP TO 85°F OR HIGHER TO CONTROL COOLING; OR
    - BOTH A AND B CONDITIONS TO CONTROL BOTH HEATING AND COOLING.
  - TO CONTROL BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A TEMPERATURE RANGE OR DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM. -SEC.122 (a)(b)
- J) THE PIPING FOR ALL SPACE CONDITIONING AND SERVICE WATER HEATING SYSTEMS SHALL BE INSULATED IN ACCORDANCE WITH TABLE 123-A. -SEC.123
- K) LAVATORIES IN PUBLIC RESTROOMS SHALL HAVE CONTROLS THAT LIMIT THE WATER SUPPLY TEMPERATURE TO 110°F. -SEC.113 (c) 3
- L) CIRCULATING SERVICE WATER HEATING SYSTEMS SHALL HAVE A CONTROL CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMP WHEN HOT WATER IS NOT REQUIRED. -SEC.113 (c) 2

**DUCTWORK SYMBOLS**



**APPLICABLE CODES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING CODES:
- 2025 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
  - 2025 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2006 INTERNATIONAL BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)
  - 2025 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
  - 2025 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
  - 2025 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
  - 2025 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
  - 2025 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
  - 2025 CALIFORNIA ENERGY CODE, TITLE 24, PART 6
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2025 EDITION



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**ISSUE DATE 2026-05-26**

**DRAWN BY**  
**ARCHITECT**  
**Robert Habian, AIA**  
**CA LIC. NO. C25348**

**REV | DATE | DESCRIPTION**

**PROJECT NAME**

**STAMPER**  
**RESIDENCE**  
**FIRE REBUILD**

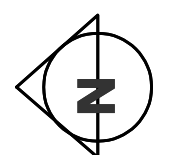
**PROJECT ADDRESS**  
 15303 Earllham Street  
 Pacific Palisades, CA 90272  
 APN: 4412-019-023

**OWNER**  
 John Stamper  
 15303 Earllham Street  
 Pacific Palisades, CA 90272  
 TEL: 323-388-6664

**SHEET NAME**

**General**  
**Notes, Legends, Symbols**  
**and Abbreviations**

**SCALE: 1/4" = 1' - 0"**



**SHEET NUMBER**

**MO.1**

INDOOR UNIT SCHEDULE								
System Tag		CU-1	CU-1	CU-1	CU-1	CU-2	CU-2	CU-2
Tag Reference		FCU-1A	FCU-1B	FCU-1C	FCU-1D	FCU-2-1	FCU-2-2	FCU-2-3
General Data	Room Name							
	Make	Toshiba	Toshiba	Toshiba	Toshiba	Toshiba	Toshiba	Toshiba
	Model	MMD-UB0121BHP-UL	MMD-UB0241BHP-UL	MMD-UB0071BHP-UL	MMD-UB0181BHP-UL	MMD-UB0181BHP-UL	MMD-UB0241BHP-UL	MMD-UB0181BHP-UL
	Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type	Medium Static Pressure Duct Type
	Nominal Cooling Capacity (BTU/h)	12000	24000	7500	18000	18000	24000	18000
	Nominal Heating Capacity (BTU/h)	13500	27000	8500	20000	20000	27000	20000
	Refrig Pipe Dimensions (inch)(G,L)	3/8 , 1/4	5/8 , 3/8	3/8 , 1/4	1/2 , 1/4	1/2 , 1/4	5/8 , 3/8	1/2 , 1/4
Design Conditions	Project Cooling Design Entering Temp DB/WB (°F)	80 / 67.1	80 / 67.1	80 / 67.1	80 / 67.1	80 / 67.1	80 / 67.1	80 / 67.1
	Project Heating Design Entering Temp DB (°F)	70	70	70	70	70	70	70
Performance Data	Cooling Total Capacity (BTU/h)	12017	24065	7511	18026	18026	24065	18026
	Cooling Sensible Capacity (BTU/h)	9000	17995	5600	13500	13500	17995	13500
	Heating Capacity (BTU/h)	12540	25080	7895	18578	19199	25919	19199
	Estimated Cooling Coil LAT (°F)	65.6	55.9	63.5	59.6	59.6	55.9	59.6
	Estimated Heating Coil LAT (°F)	89.7	103	92.9	97.6	98.5	104.1	98.5
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase
	MCA / MOCP	1.1/15	2.23/15	0.91/15	1.91/15	1.91/15	2.23/15	1.91/15
Fan Data	Selected Fan Speed	High	High	High	High	High	High	High
	Rated Airflow at Selected Fan Speed (cfm)	590	705	320	625	625	705	625
	Max Fan ESP Setting (IN WG)	0.4/0.6	0.6/0.8	0.4/0.6	0.4/0.6	0.4/0.6	0.6/0.8	0.4/0.6
	Sound Pressure Per Fan Speed (H/M/L) (dBA)	44/41/35	44/34/30	39/34/30	45/41/35	45/41/35	44/34/30	45/41/35
Remote Controller	Zone Remote Controller 1	RBC-AWSU52-UL	RBC-AWSU52-UL	RBC-AWSU52-UL	RBC-AWSU52-UL	RBC-AWSU52-UL	RBC-AWSU52-UL	RBC-AWSU52-UL
	Zone Remote Controller 2							
	ERV (DI/DO) Interface Model Number							
	Mrel(Releasable Charge)(lb)	13.12	13.12	13.12	13.12	10.79	10.79	10.79
Notes / Options	Applicable System Notes - See Notes Below	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

**Notes & Options:**

- Nominal cooling capacities are based on indoor air temperature of 80°F DB / 67°F WB, outdoor air temperature of 95°F (DB)
- Nominal heating capacities are based on indoor air temperature of 70°F DB, outdoor air temperature of 47°F DB / 43°F WB
- LATs estimated using formula for sensible capacity = (1.08 Btu/(hr cfm °F)) x cfm x deltaT
- All ductless FMA/FMC/FMU or FV4 series indoor units require a piping adaptor kit (Model #s: 331831-701 or 40MD000003)
- Warning: Accessories are filtered by system and unit type. Check product data to confirm accessory compatibility with voltage, product tier, etc.
- Warning: One or more outside air indoor units in this system have cooling or heating temperatures that are out of range.
- Please refer Submittals for Indoor Unit Weight Info.
- Releasable Charge is determined by ASHRAE 15(or 15.2, if applicable) and the current design.

NEW FAN SCHEDULE													
SYMBOL	QTY	LOCATION	AREA SERVED	MANUFACTURER & MODEL NOS.	TYPE	CFM	S.P.(IN)	MOTOR			OPERATING WT. (LBS.)	REMARKS	ACCESSORIES
								HP	VOLT-PH.	RPM			
EF 1.1	1	ABOVE CEILING	BATH 4	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 1.2	1	ABOVE CEILING	BATH 4,5	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 2.1	1	ABOVE CEILING	BATH 2	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 2.2	1	ABOVE CEILING	BATH 3	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 2.3	1	ABOVE CEILING	PRIMARY WC	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 2.4	1	ABOVE CEILING	PRIMARY WET	PANASONIC FV-0511VQCL1	CEILING CABINET	80	0.12	-	115-1	-		①②③	①
EF 3.0	1	ABOVE CEILING	MECH RM		INLINE	120	0.12	-	115-1	-		④	①

**REMARKS:**

- INTERLOCK WITH LIGHT SWITCH
- ENERGY STAR RATED
- WITH HUMIDITY SENSOR
- THERMOSTATICALLY CONTROLLED SET AT 75°F

**ACCESSORIES:**

- W/BDD



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**DRAWN BY ARCHITECT**  
**Robert Habian, AIA**  
**CA LIC. NO. C25348**

REV	DATE	DESCRIPTION

**PROJECT NAME**  
**STAMPER RESIDENCE FIRE REBUILD**

**PROJECT ADDRESS**  
 15303 Earllham Street  
 Pacific Palisades, CA 90272  
 APN: 4412-019-023

**OWNER**  
 John Stamper  
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 Pacific Palisades, CA 90272  
 TEL: 323-388-6664

**SHEET NAME**  
**HVAC Equipment Schedules**

**SCALE: 1/4" = 1' - 0"**



**SHEET NUMBER**  
**M0.2**

OUTDOOR UNIT SCHEDULE			
System Tag		CU-1	CU-2
Tag Reference		CU-1	CU-2
General Data	Make	Toshiba	Toshiba
	Model Number	MCY-MUB0608HS2P-UL	MCY-MUB0608HS2P-UL
	Modules		
	Nominal Cooling Capacity (BTU/h)	60000	60000
	Maximum Cooling Capacity(BTU/h)	69109.07	69109.07
	Nominal Heating Capacity (BTU/h)	66000	66000
	Maximum Heating Capacity(BTU/h)	66205.33	66205.33
	System Connected Capacity	102.5%	100%
	Main Refrigerant Pipe Dims (inch)(G,L)	5/8,3/8	5/8,3/8
	Preliminary Added Field Charge (lb)	6.52 lb	4.19 lb
	Sound Pressure (dBA)	59	59
	Unit Weight (lbs)	260	260
Design Conditions	Project Design Cooling Outdoor Temp DB (°F)	95	95
	Project Design Heating Outdoor Temp WB[or DB] (°F)	39	39

OUTDOOR UNIT SCHEDULE			
System Tag		CU-1	CU-2
Tag Reference		CU-1	CU-2
Performance Data	Corrected Cooling Total Capacity (BTU/h)	67254	68346
	Corrected Heating Capacity (BTU/h)	64092.6	64317
	Capacity Maintenance(%)	72.7	72.7
	Capacity Maintenance 17F(%)	78.8	78.8
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase
	MCA	37.2	37.2
	MOCP	40	40
	RFS	40	40
Efficiency Data	Cooling Efficiency IEER/EER	N/A	N/A
	SEER2/EER2	19.05/10.55	19.05/10.55
	SCHE[or HSPF2]	[10.10]	[10.10]
	Heating COP @ 47°F [or @ 5°F]	3.68[2.24]	3.68[2.24]
Notes / Options	Applicable System Notes - See Notes Below	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8,9

**Notes & Options:**

- 1 Nominal cooling capacities are based on indoor air temperature of 80°F DB / 67°F WB, outdoor air temperature of 95°F (DB).
- 2 Nominal heating capacities are based on indoor air temperature of 70°F DB, outdoor air temperature of 47°F DB / 43°F WB.
- 3 VRF Efficiency values for EER, IEER, and COP are for mixed ducted and non-ducted indoor units based on AHRI 1230 test method.
- 4 Ductless and Single-Phase VRF Heat Pump Efficiency values for EER, SEER, and HSPF are for mixed ducted and non-ducted indoor units based on AHRI 210/240 test method.
- 5 Preliminary Additional Field Charge is calculated based on software inputs; Final Additional Field Charge must be calculated based on final "as-built" piping dimensions.
- 6 Project design elevation is 30 feet.
- 7 COP2 as per M1 Rating for ductless and Single phase Heat Pump.
- 8 Maximum cooling and heating capacity is determined at the project design temperatures. No other corrections are used to determine this value.
- 9 N/A = Not Applicable.



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**CA LIC. NO. C25348**

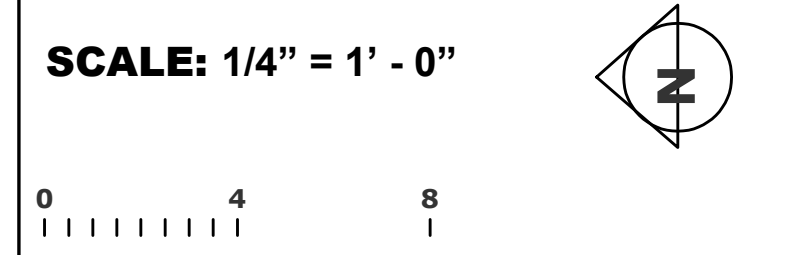
REV	DATE	DESCRIPTION

**PROJECT NAME**  
**STAMPER**  
**RESIDENCE**  
**FIRE REBUILD**

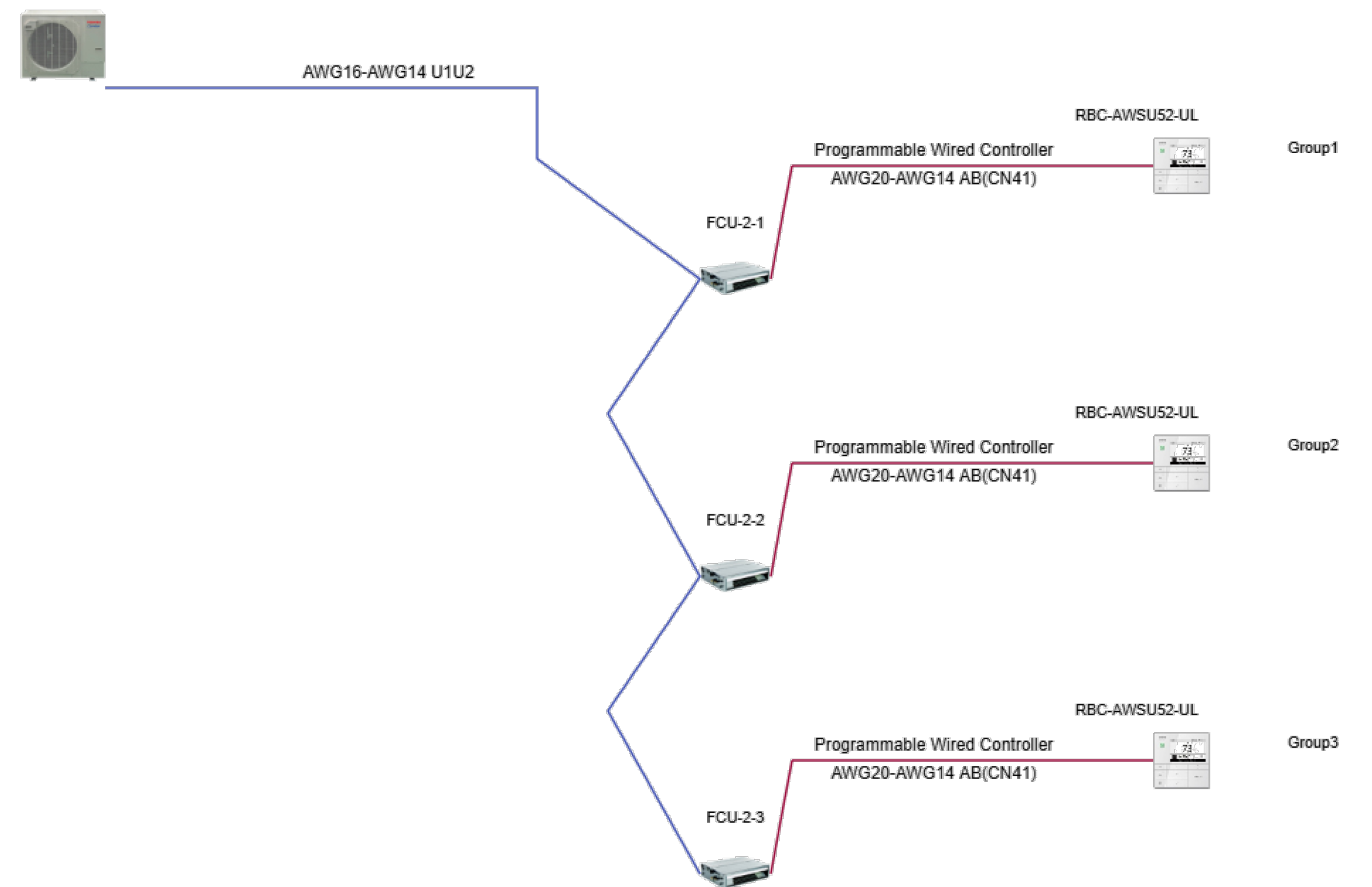
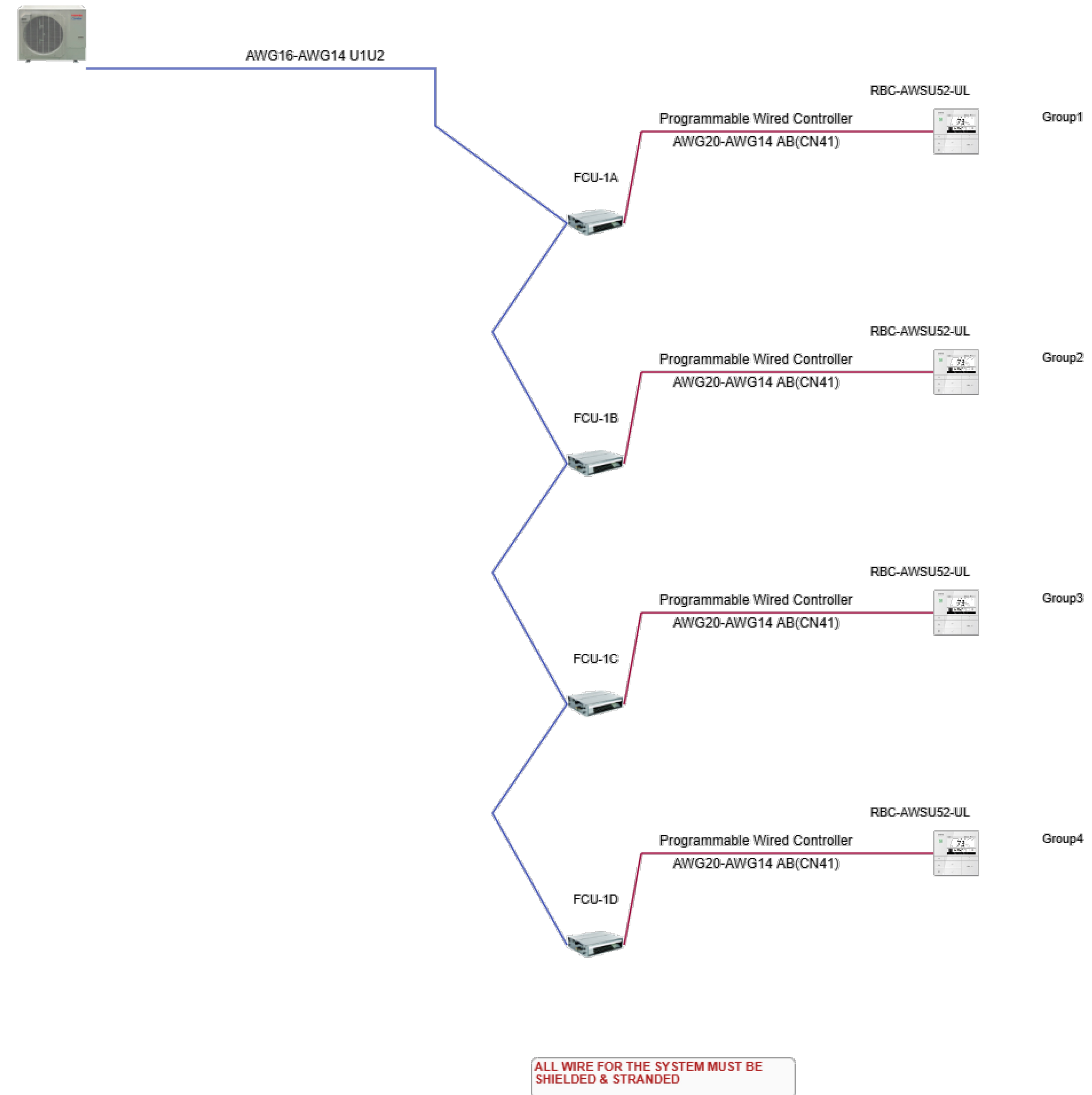
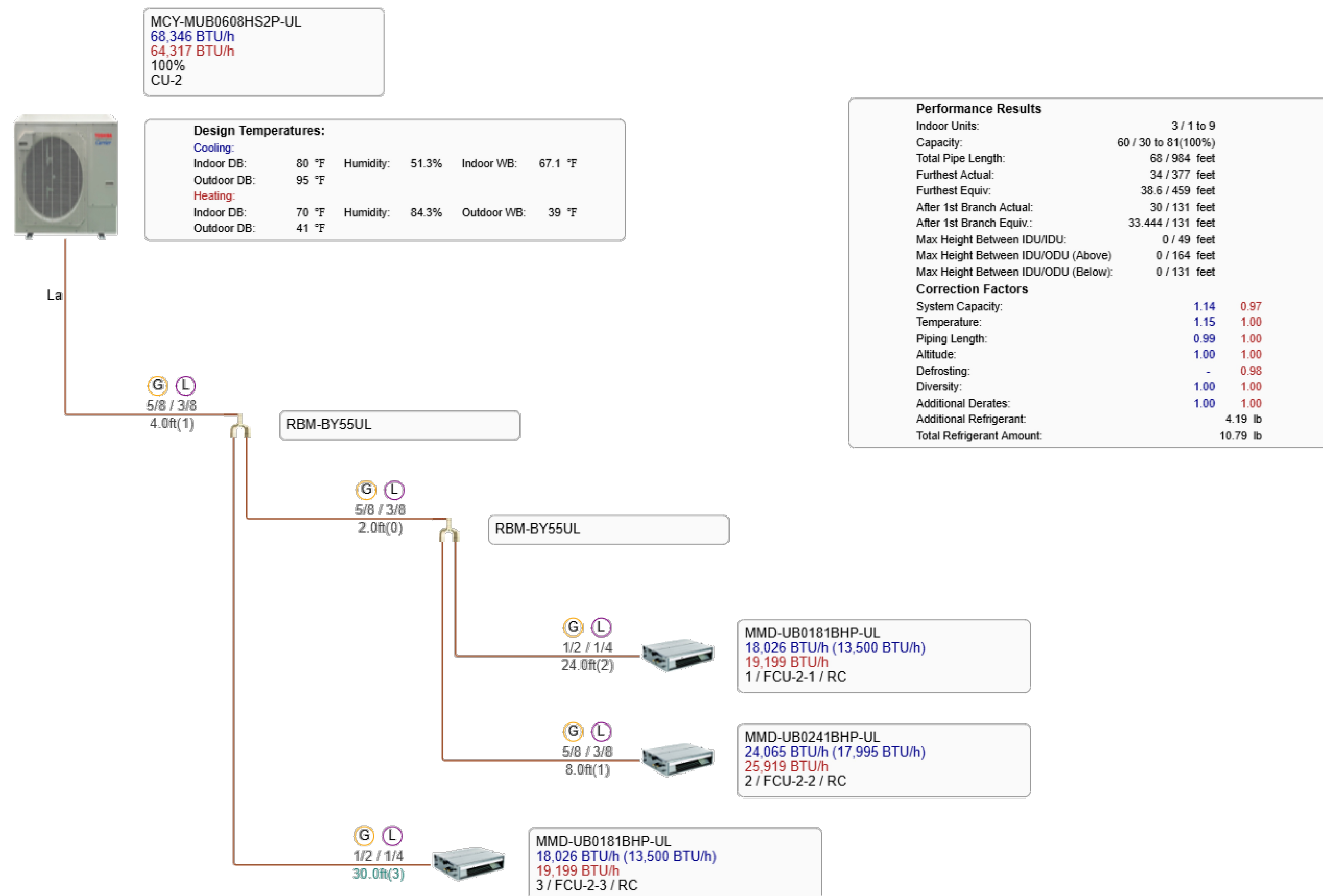
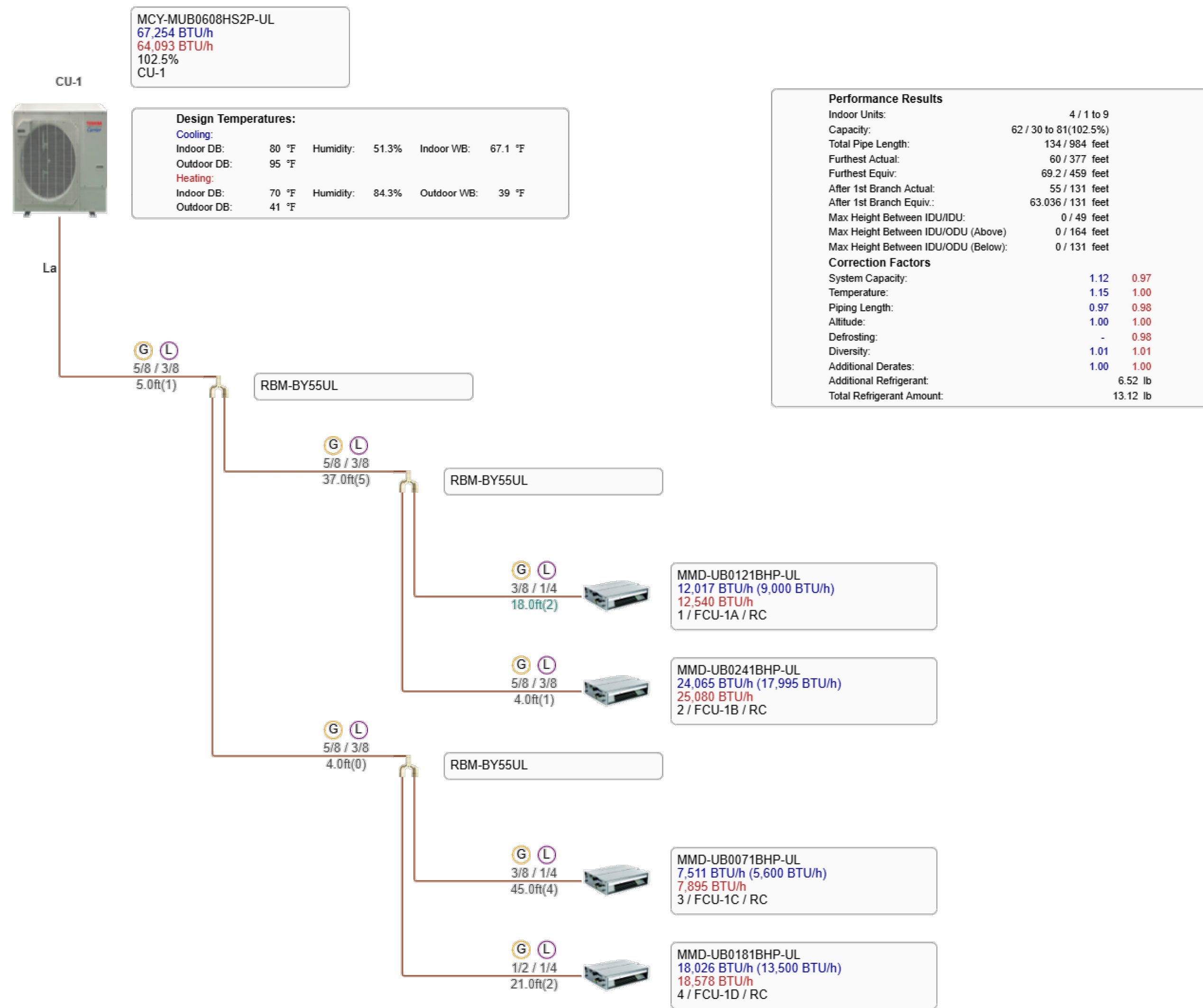
**PROJECT ADDRESS**  
 15303 Earlham Street  
 Pacific Palisades, CA 90272  
 APN: 4412-019-023

**OWNER**  
 John Stamper  
 15303 Earlham Street  
 Pacific Palisades, CA 90272  
 TEL: 323-388-6664

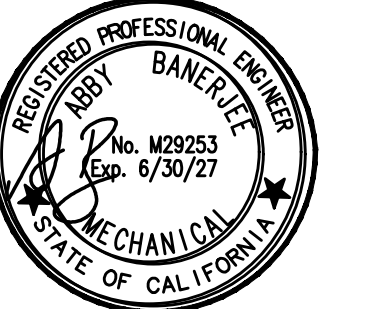
**SHEET NAME**  
**HVAC**  
**Equipment**  
**Schedules**



**SHEET NUMBER**  
**MO.3**



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**REV | DATE | DESCRIPTION**

REV	DATE	DESCRIPTION

**PROJECT NAME**

# STAMPER RESIDENCE FIRE REBUILD

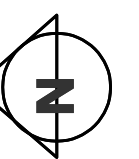
**PROJECT ADDRESS**  
 15303 Earlham Street  
 Pacific Palisades, CA 90272  
 APN: 4412-019-023

**OWNER**  
 John Stamper  
 15303 Earlham Street  
 Pacific Palisades, CA 90272  
 TEL: 323-388-6664

**SHEET NAME**

## Systems Piping and Wiring Diagrams

**SCALE: 1/4" = 1' - 0"**



**SHEET NUMBER**

# M0.4



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**REV | DATE | DESCRIPTION**

REV	DATE	DESCRIPTION

**PROJECT NAME**

# STAMPER RESIDENCE FIRE REBUILD

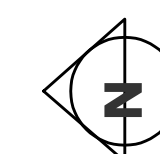
**PROJECT ADDRESS**  
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**SHEET NAME**

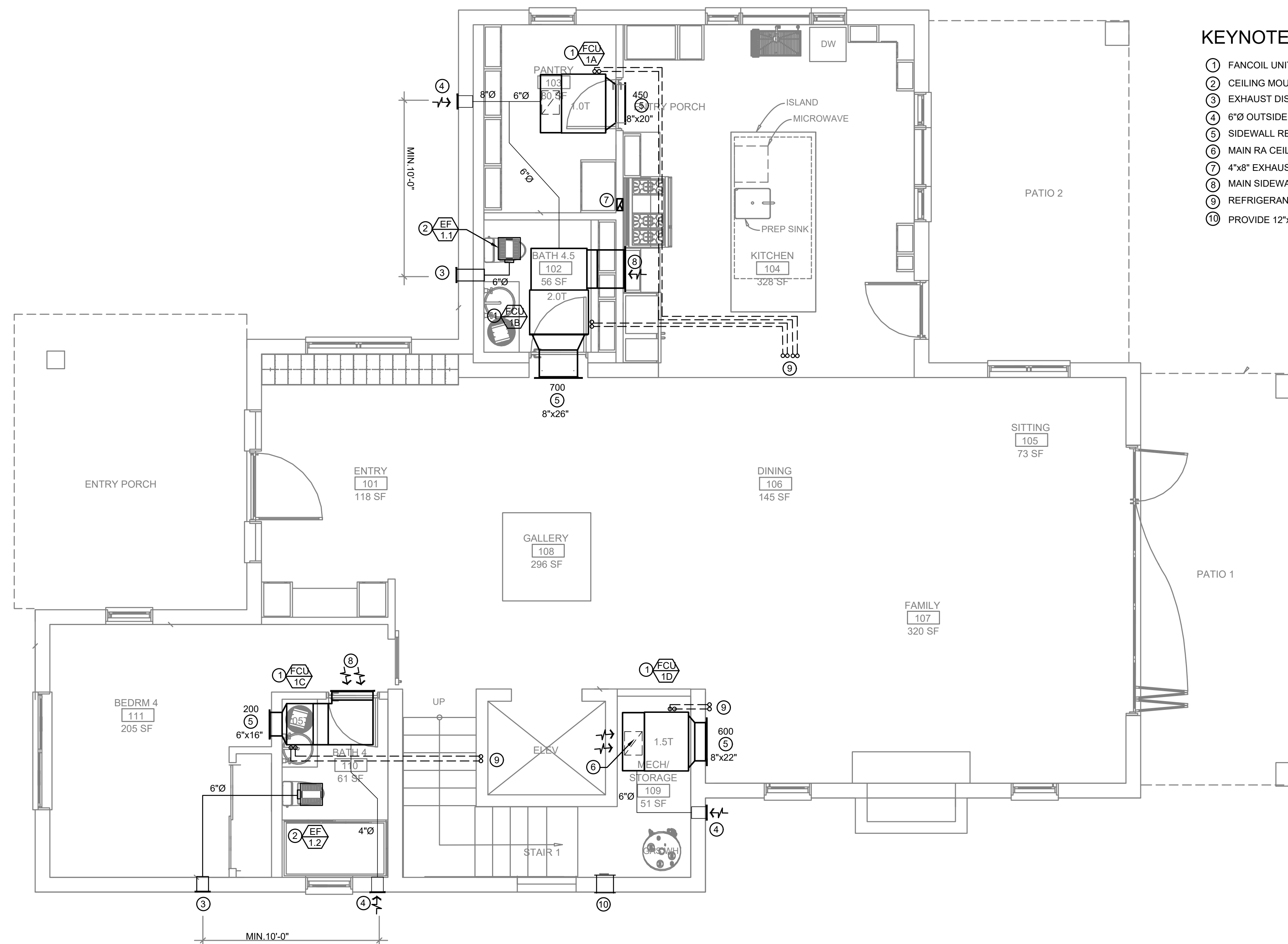
## First Floor Plan - HVAC

**SCALE: 1/4" = 1' - 0"**



**SHEET NUMBER**

# M1.1



**KEYNOTES:**

- ① FANCOIL UNIT ABOVE CEILING. PROVIDE SUPPORT AND ANCHORAGE.
- ② CEILING MOUNTED EXHAUST FAN.
- ③ EXHAUST DISCHARGED WITH WALL CAP OR LOUVER.
- ④ 6"Ø OUTSIDE AIR DUCT, PROVIDE WALL CAP OR LOUVER.
- ⑤ SIDEWALL REGISTER SUPPLY.
- ⑥ MAIN RA CEILING REGISTER 14"x20" FILTERED GRILLE.
- ⑦ 4"x8" EXHAUST VENT CONNECT TO DOMESTIC TYPE HOOD AND UP THRU ROOF WITH CAP.
- ⑧ MAIN SIDEWALL REGISTER RETURN, 8"x30".
- ⑨ REFRIGERANT LINES UP TO MATCHING CONDENSING UNITS AT DECK.
- ⑩ PROVIDE 12"x12" WALL LOUVER, 12" BELOW CEILING AND 12" ABOVE FLOOR.

**A** FIRST FLOORPLAN - HVAC  
 SCALE: 1/4" = 1' - 0"



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REV	DATE	DESCRIPTION

**PROJECT NAME**

# STAMPER RESIDENCE FIRE REBUILD

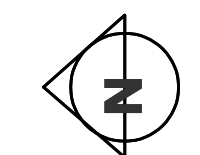
**PROJECT ADDRESS**  
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 Pacific Palisades, CA 90272  
 APN: 4412-019-023

**OWNER**  
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**SHEET NAME**

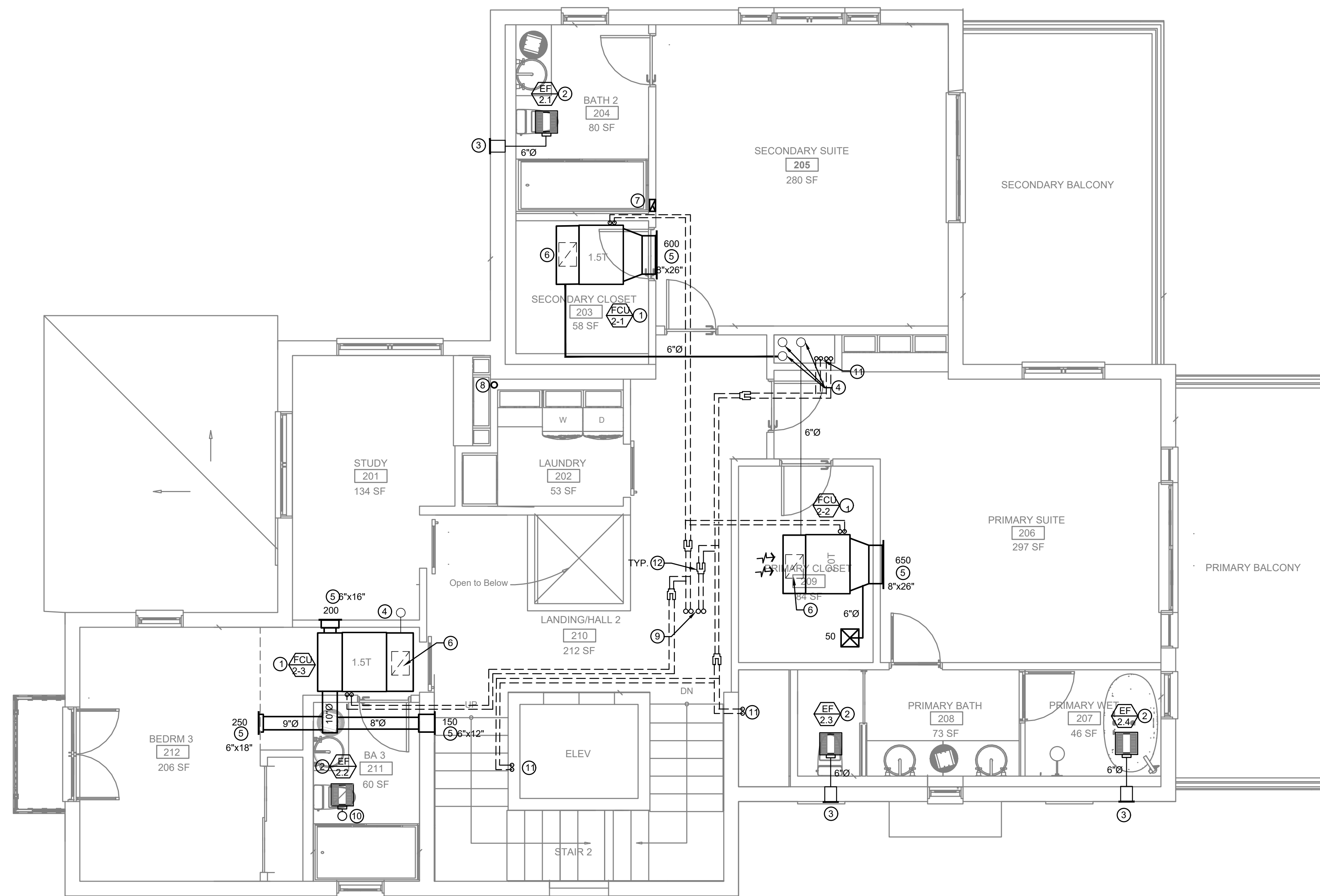
## Second Floor Plan - HVAC

**SCALE: 1/4" = 1' - 0"**



**SHEET NUMBER**

# M1.2



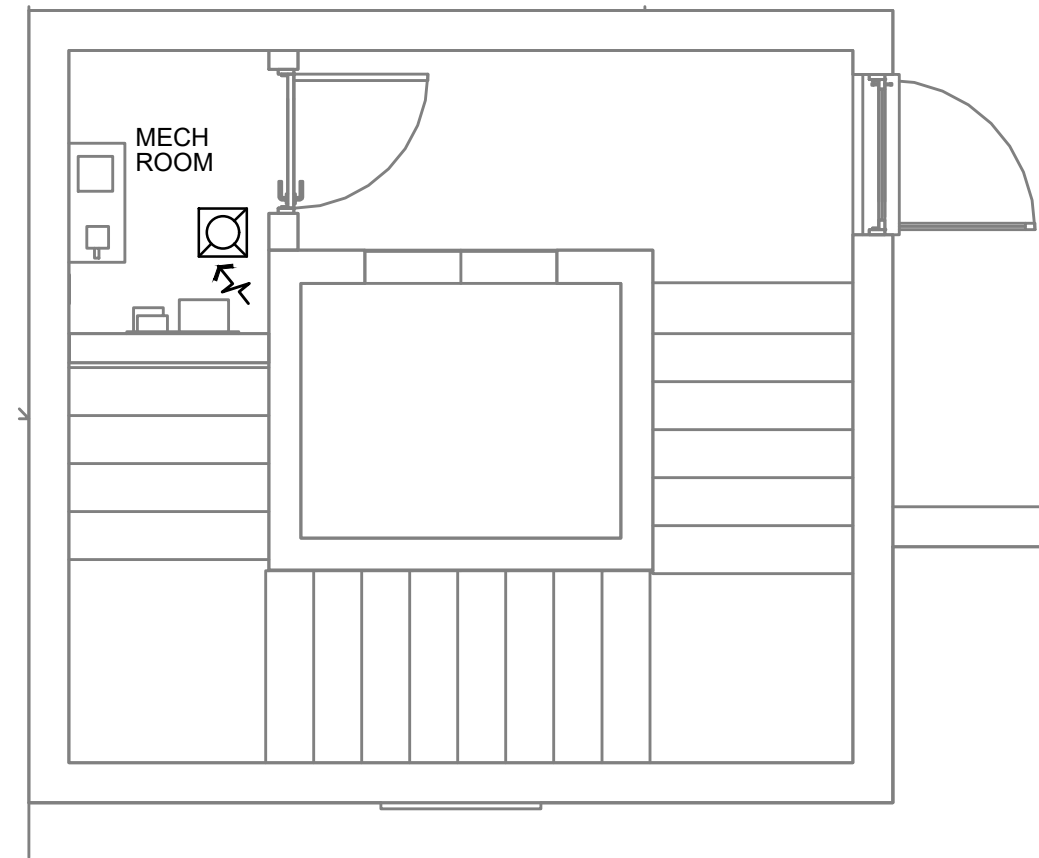
**KEYNOTES:**

- ① FANCOIL UNIT ABOVE CEILING. PROVIDE SUPPORT AND ANCHORAGE.
- ② CEILING MOUNTED EXHAUST FAN.
- ③ EXHAUST DISCHARGED WITH WALL CAP OR LOUVER.
- ④ 6"Ø OUTSIDE AIR DUCT UP.
- ⑤ SIDEWALL REGISTER SUPPLY.
- ⑥ MAIN RA CEILING REGISTER 14"x20", FILTERED GRILLE.
- ⑦ VENT UP THRU ROOF WITH CAP.
- ⑧ 4"Ø DRYER VENT UP THRU ROOF WITH CAP.
- ⑨ REFRIGERANT LINES UP TO MATCHING CONDENSING UNITS AT DECK.
- ⑩ 6"Ø EXHAUST DUCT UP THRU ROOF.
- ⑪ REFRIGERANT LINES DN TO FANCOIL UNIT BELOW.
- ⑫ Y-CONNECTORS, REFER TO PIPING DIAGRAMS AT SHT. M0.4.

**GENERAL NOTES:**

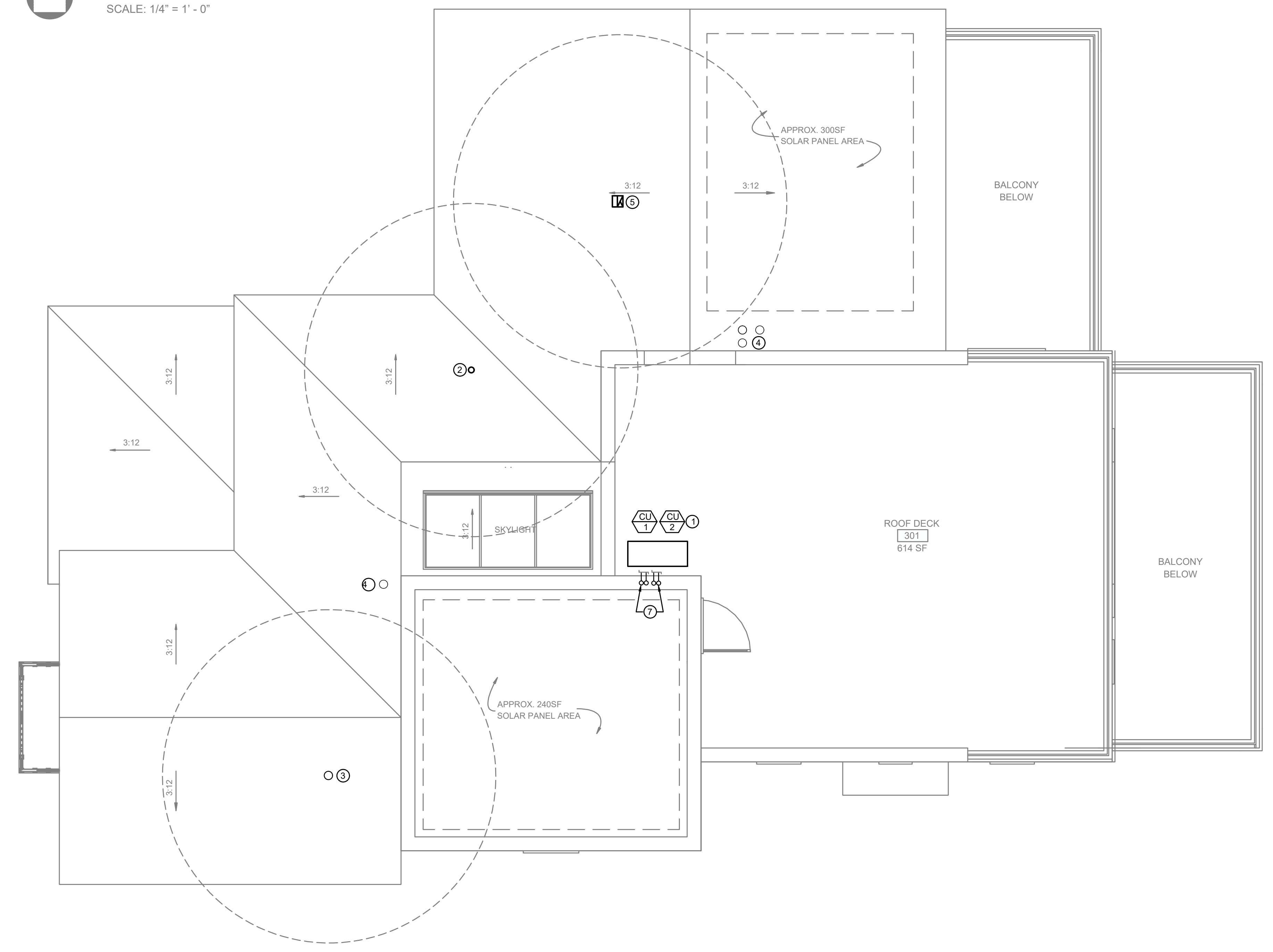
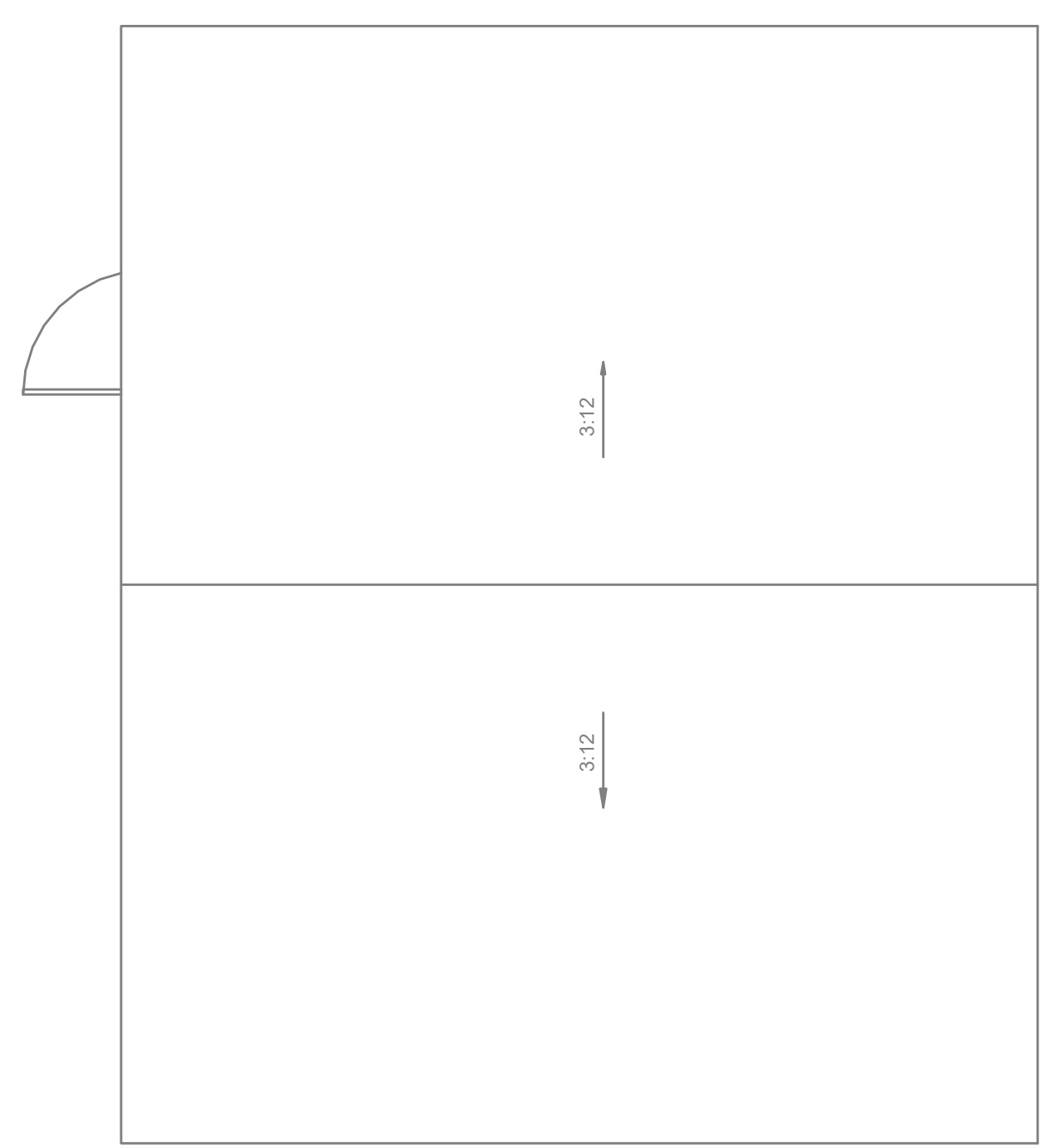
1. REFER TO PIPING AND WIRING DIAGRAMS FOR REFRIGERANT LINES SIZING, SEE SHEET M0.4.
2. PROVIDE CEILING ACCESS PANEL FOR ALL FANCOIL UNITS.

**A** SECOND FLOOR PLAN - HVAC  
 SCALE: 1/4" = 1' - 0"



**A** THIRD FLOOR PLAN  
SCALE: 1/4" = 1' - 0"

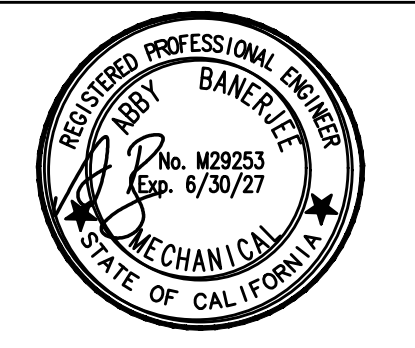
- KEYNOTES:**
- ① CONDENSING UNIT LOCATION (STACKED), PROVIDE HOUSEKEEPING PAD AND ANCHORAGE.
  - ② 4"Ø DRYER VENT WITH CAP.
  - ③ 6"Ø EXHAUST DUCT DISCHARGED WITH ROOF CAP.
  - ④ 6"Ø OUTSIDE AIR DUCT, PROVIDE ROOF CAP.
  - ⑤ 4"X8" EXHAUST VENT UP WITH CAP.
  - ⑥ INLINE TYPE EXHAUST FAN FOR VENTILATION.
  - ⑦ REFRIGERANT LINES DN TO MATCHING FANCOIL UNITS BELOW.



**B** ROOF PLAN  
SCALE: 1/4" = 1' - 0"



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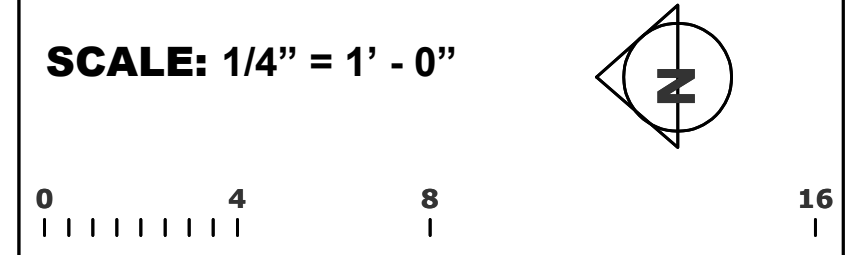
REV	DATE	DESCRIPTION

**PROJECT NAME**  
**STAMPER RESIDENCE FIRE REBUILD**

**PROJECT ADDRESS**  
15303 Earllham Street  
Pacific Palisades, CA 90272  
APN: 4412-019-023

**OWNER**  
John Stamper  
15303 Earllham Street  
Pacific Palisades, CA 90272  
TEL: 323-388-6664

**SHEET NAME**  
**Third & Roof Floor Plan - HVAC**



**SHEET NUMBER**  
**M1.3**



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**REV | DATE | DESCRIPTION**

**PROJECT NAME**  
**STAMPER**  
**RESIDENCE**  
**FIRE REBUILD**

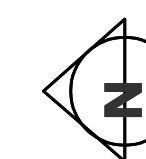
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 John Stamper  
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 Pacific Palisades, CA 90272  
 TEL: 323-388-6664

**SHEET NAME**

**TITLE 24 FORMS**

**SCALE: 1/4" = 1' - 0"**



0 4 8 16

**SHEET NUMBER**

**M2.0**

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
 Project Name: New Residence at 15303 Earllham St  
 Calculation Date/Time: 2026-05-01T15:37:06-07:00  
 Calculation Description: Title 24 Analysis  
 Input File Name: 26-182R\_V9-41.rbd22x  
 CF1R-PRF-01-E (Page 1 of 16)

GENERAL INFORMATION						
01	Project Name	New Residence at 15303 Earllham St				
02	Item Title	Title 24 Analysis				
03	Project Location	15303 Earllham Street				
04	City	Pacific Palisades	05	Standards Version	2022	
06	Zip code	90272	07	Software Version	EnergyPro 9.4	
08	Climate Zone	6	09	Front Orientation (deg/ Cardinal)	0	
10	Building Type	Single family	11	Number of Dwelling Units	1	
12	Project Scope	Newly Constructed	13	Number of Bedrooms	4	
14	Addition Cond. Floor Area (ft²)	0	15	Number of Stories	3	
16	Existing Cond. Floor Area (ft²)	n/a	17	Fenestration Average U-factor	0.45	
18	Total Cond. Floor Area (ft²)	4486.61	19	Glazing Percentage (%)	24.99%	
20	ADU Bedroom Count	n/a	21	ADU Conditioned Floor Area	n/a	
22	Fuel Type	Natural gas	23	No Dwelling Unit:	No	

**COMPLIANCE RESULTS**

01	Building Complies with Computer Performance
02	This building incorporates features that require field testing and/or verification by a certified HERS rater under the supervision of a CEC-approved HERS provider.
03	This building incorporates one or more Special Features shown below

Registration Number: 426-P010130633A-000-000-0000000-0000  
 Registration Date/Time: 05/01/2026 15:45  
 HERS Provider: CHEERS  
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 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
 Report Generated: 2026-05-01 15:39:35

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
 Project Name: New Residence at 15303 Earllham St  
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 Calculation Description: Title 24 Analysis  
 Input File Name: 26-182R\_V9-41.rbd22x  
 CF1R-PRF-01-E (Page 2 of 16)

	Energy Design Ratings			Compliance Margins		
	Source Energy (EDR1)	Efficiency <sup>2</sup> EDR (EDR2/efficiency)	Total <sup>3</sup> EDR (EDR2total)	Source Energy (EDR1)	Efficiency <sup>2</sup> EDR (EDR2/efficiency)	Total <sup>3</sup> EDR (EDR2total)
Standard Design	44.4	54.7	49			
Proposed Design	43.2	52.7	48.2	1.2	2	0.8

RESULT<sup>3</sup>: PASS

<sup>1</sup>Efficiency EDR includes improvements like a better building envelope and more efficient equipment.  
<sup>2</sup>Building complies when source energy efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded.  
<sup>3</sup>Solar Electric Generation Systems / Solar PV System requirements for newly constructed residential buildings are suspended per Executive Order N-29-25

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 CF1R-PRF-01-E (Page 3 of 16)

ENERGY USE SUMMARY						
Energy Use	Standard Design Source Energy (EDR1) (kBtu/ft²-yr)	Standard Design TDV Energy (EDR2) (kTDV/ft²-yr)	Proposed Design Source Energy (EDR1) (kBtu/ft²-yr)	Proposed Design TDV Energy (EDR2) (kTDV/ft²-yr)	Margin (EDR1)	Margin (EDR2)
Space Heating	2.77	12.52	1.52	10.73	-1.25	-1.79
Space Cooling	0.09	4.71	0.12	6.88	-0.03	-2.17
IAQ Ventilation	0.34	3.62	0.1	1.11	0.24	2.51
Water Heating	0.63	7	1.9	8.08	-1.27	-1.08
Self Utilization/Flexibility Credit			0	0	0	0
Efficiency Compliance Total	3.83	27.85	3.64	26.8	0.19	1.05
Photovoltaics	0	0	0	0		
Battery			0	0		
Flexibility			0	0		
Indoor Lighting	0.58	5.81	0.58	5.81		
Appl. & Cooking	1.07	10.81	1.07	10.83		
Plug Loads	1.43	14.92	1.43	14.92		
Outdoor Lighting	0.17	1.55	0.17	1.55		
TOTAL COMPLIANCE	7.08	60.94	6.89	59.91		

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ENERGY USE INTENSITY				
	Standard Design (kBtu/ft²-yr)	Proposed Design (kBtu/ft²-yr)	Margin (kBtu/ft²-yr)	Margin Percentage
Gross EUH <sup>1</sup>	8.9	8.08	0.82	9.21
Net EUH <sup>2</sup>	8.9	8.08	0.82	9.21

Notes:  
 1. Gross EUH is Energy Use Total (not including PV) / Total Building Area.  
 2. Net EUH is Energy Use Total (including PV) / Total Building Area.

**REQUIRED SPECIAL FEATURES**  
 The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.  
 • Solar Electric Generation Systems / Solar PV System requirements for newly constructed residential buildings are suspended per Executive Order N-29-25  
 • IAQ Ventilation System as low as 0.0636364 W/CFM  
 • Window overhangs and/or fins  
 • Non-standard duct location (any location other than attic)  
 • Compact distribution system basic credit

**HERS FEATURE SUMMARY**  
 The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CFR2s and CFR3s are required to be completed in the HERS Registry

- Quality insulation installation (QII)
- Indoor air quality ventilation
- Kitchen range hood
- High R-value Spray Foam Insulation
- Minimum Airflow
- Fan Efficiency Wats/CFM
- Verified HSPF2
- Verified heat pump rated heating capacity
- Duct leakage testing
- Ducts located entirely in conditioned space confirmed by duct leakage testing

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 CF1R-PRF-01-E (Page 5 of 16)

BUILDING - FEATURES INFORMATION						
01	02	03	04	05	06	07
Project Name	Conditioned Floor Area (ft²)	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems
New Residence at 15303 Earllham St	4486.61	1	4	3	0	1

ZONE INFORMATION						
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft²)	Avg. Ceiling Height	Water Heating System 1	Status
Roof Floor	Conditioned	HVAC1	261.87	10	DHW Sys 1	New
Second Floor	Conditioned	HVAC1	2094.83	9.8	DHW Sys 1	New
First Floor	Conditioned	HVAC1	2129.91	11	DHW Sys 1	New

OPAQUE SURFACES							
01	02	03	04	05	06	07	08
Name	Zone	Construction	Area (ft²)	Orientation	Gross Area (ft²)	Window and Door Area (ft²)	Tilt (deg)
Left Wall - 2	Roof Floor	10 HI-RH Wall	90	Left	258	26.67	90
Back Wall - 1	Roof Floor	10 HI-RH Wall	180	Back	133	0	90
Back Wall - 2	Roof Floor	10 HI-RH Wall	180	Back	133	26.67	90
Right Wall - 1	Roof Floor	10 HI-RH Wall	270	Right	180	52.0081	90
Front Wall - 1	Roof Floor	10 HI-RH Wall	0	Front	47	0	90
Front Wall - 2	Roof Floor	10 HI-RH Wall	0	Front	47	42.68	90
Left Wall - 1	Second Floor	10 HI-RH Wall	90	Left	669	115.02	90
Back Wall - 1.2	Second Floor	10 HI-RH Wall	180	Back	534	163.54	90
Right Wall - 1.2	Second Floor	10 HI-RH Wall	270	Right	406	27.0896	90
Right Wall - 2	Second Floor	10 HI-RH Wall + R-21 Mtl	270	Right	263	8	90
Front Wall - 1.2	Second Floor	10 HI-RH Wall	0	Front	334	70.67	90

OPAQUE SURFACES - CATHEDRAL CEILINGS										
01	02	03	04	05	06	07	08	09	10	11
Name	Zone	Construction	Area (ft²)	Orientation	Area (ft²)	Skylight Area (ft²)	Roof Rise (x in 12)	Roof Reflectance	Roof Emittance	Cool Roof
Roof - Flat	Roof Floor	R-38 Metal Roof Deck	0	Front	261.87	0	0	0.1	0.85	No
Roof - Slope	Second Floor	Roof Cathedral w/ R-15	0	Front	1143.52	0	3	0.1	0.85	No
Roof - Deck	Second Floor	R-38 Metal Roof Deck	0	Front	689.44	69.35	0	0.1	0.85	No
Roof - Slope 2	First Floor	Roof Cathedral w/ R-15	0	Front	35.08	0	3	0.1	0.85	No

FENESTRATION / GLAZING													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window - W26	Window	Left Wall - 2	Left	90			1	26.67	0.45	NFRC	0.31	NFRC	Bug Screen

Registration Number: 426-P010130633A-000-000-0000000-0000  
 Registration Date/Time: 05/01/2026 15:45  
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 CA Building Energy Efficiency Standards - 2022 Residential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220901  
 Report Generated: 2026-05-01 15:39:35

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**  
 Project Name: New Residence at 15303 Earllham St  
 Calculation Date/Time: 2026-05-01T15:37:06-07:00  
 Calculation Description: Title 24 Analysis  
 Input File Name: 26-182R\_V9-41.rbd22x  
 CF1R-PRF-01-E (Page 6 of 16)

OPAQUE SURFACES - CATHEDRAL CEILINGS													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Zone	Construction	Area (ft²)	Orientation	Area (ft²)	Skylight Area (ft²)	Roof Rise (x in 12)	Roof Reflectance	Roof Emittance	Cool Roof			
Roof - Flat	Roof Floor	R-38 Metal Roof Deck	0	Front	261.87	0	0	0.1	0.85	No			
Roof - Slope	Second Floor	Roof Cathedral w/ R-15	0	Front	1143.52	0	3	0.1	0.85	No			
Roof - Deck	Second Floor	R-38 Metal Roof Deck	0	Front	689.44	69.35	0	0.1	0.85	No			
Roof - Slope 2	First Floor	Roof Cathedral w/ R-15	0	Front	35.08	0	3	0.1	0.85	No			

FENESTRATION / GLAZING													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Window - W26	Window	Left Wall - 2	Left	90			1	26.67	0.45	NFRC	0.31	NFRC	Bug Screen

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FENESTRATION / GLAZING													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Type	Surface	Orientation	Azimuth	Width (ft)	Height (ft)	Mult.	Area (ft²)	U-factor	U-factor Source	SHGC	SHGC Source	Exterior Shading
Glass Door - D15	Window	Back Wall - 2	Back	180			1	26.67	0.45	NFRC	0.31	NFRC	Bug Screen
Window - V	Window	Right Wall - 1	Right	270	2.8	4	0	10.67	0.45	NFRC	0.31	NFRC	Bug Screen
Glass Door - 15	Window	Right Wall - 1	Right	270	2.6	6.7	0	16.67	0.45	NFRC	0.31	NFRC	Bug Screen
Window - U	Window	Right Wall - 1	Right	270	2	4	1	8	0.45	NFRC	0.31	NFRC	Bug Screen
Glass Door - 14	Window	Right Wall - 1	Right	270	2.66	6.7	0	16.66	0.45	NFRC	0.31	NFRC	Bug Screen
Window - K	Window	Front Wall - 2	Front	0	10.67	0.45	NFRC	0.31	NFRC	Bug Screen			
Window - L	Window	Front Wall - 2	Front	0	10.67	0.45	NFRC	0.31	NFRC	Bug Screen			
Window - M	Window	Front Wall - 2	Front	0	10.67	0.45	NFRC	0.31	NFRC	Bug Screen			
Window - N	Window	Front Wall - 2	Front	0	10.67	0.45	NFRC	0.31	NFRC	Bug Screen			
Window - W1	Window	Left Wall - 1	Left	90			1	12.41	0.45	NFRC	0.31	NFRC	Bug Screen
Window - W2	Window	Left Wall - 1	Left	90			1	28	0.45	NFRC	0.31	NFRC	Bug Screen
Window - W10	Window	Left Wall - 1	Left	90			1	12.44	0.45	NFRC	0.31	NFRC	Bug Screen
Window - W10 x2	Window	Left Wall - 1	Left	90									



**TECT APP, INC.**  
921 11th Street, 2nd Floor  
Sacramento, CA 95814  
TEL: 916-541-8659 | E: bob@tect.com



**ISSUE DATE 2026-05-26**

**DRAWN BY**  
**ARCHITECT**  
**Robert Habian, AIA**  
**CA LIC. NO. C25348**

**REV | DATE | DESCRIPTION**

**PROJECT NAME**

**STAMPER**  
**RESIDENCE**  
**FIRE REBUILD**

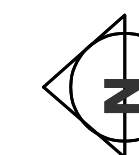
**PROJECT ADDRESS**  
15303 Earllham Street  
Pacific Palisades, CA 90272  
APN: 4412-019-023

**OWNER**  
John Stamper  
15303 Earllham Street  
Pacific Palisades, CA 90272  
TEL: 323-388-6664

**SHEET NAME**

**TITLE 24 FORMS**

**SCALE: 1/4" = 1' - 0"**



0 4 8 16

**SHEET NUMBER**

**M2.1**

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD** CF1R-PRF-01-E

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OVERHANGS AND FINIS	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Window	Depth	Dist Up	Left Extent	Right Extent	Flap Ht.	Depth	Top Up	Dist L	Bot Up	Depth	Top Up	Dist R	Bot Up	
Window - V	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Glass Door - 15	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Window - U	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Glass Door - 14	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Window - W9	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Window - W8	5	1	4	4	0	0	0	0	0	0	0	0	0	0
Window - W25	16	1	5	5	0	0	0	0	0	0	0	0	0	0

01	02	03	04	05	06	07	08
Name	Zone	Area (ft <sup>2</sup> )	Perimeter (ft)	Edge Insul. R-value and Depth	Edge Insul. R-value and Depth	Carpeted Fraction	Heated
Slab-on-Grade	First Floor	2139.91	226	none	0	80%	No

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OPAQUE SURFACE CONSTRUCTIONS							
01	02	03	04	05	06	07	08
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers
10 HI-RH Wall	Exterior Walls	Concrete / CF / Brick	None	n/a	6.8 / None	0.11	Inside Finish: Gypsum Board Insulation/Furring: R-6.8 / no furring Mass Layer: 10 in. Concrete Exterior Finish: 3 Coat Stucco
10 HI-RH Wall + R-21 Mt	Exterior Walls	Concrete / CF / Brick	None	n/a	6.8 / None	0.104	Inside Finish: Gypsum Board Insulation/Furring: R-6.8 / no furring Mass Layer: 10 in. Concrete Exterior Finish: Wood Siding/shathing/decking
R-38 Metal Roof Deck	Cathedral Ceilings	Wood Framed Ceiling	2x10 @ 16 in. O.C.	R-25	12.6 / None	0.027	Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/shathing/decking/Decking / Frame: R-25 / 2x10 Sheathing / Insulation: R-12.6 Sheathing Inside Finish: Gypsum Board
Roof Cathedral w/ R-15	Cathedral Ceilings	Wood Framed Ceiling	2x4 @ 24 in. O.C.	R-0	None / 15	0.055	Roofing: 10 PSF (RoofTile/AirGap) Tile Gap: present Above Deck Insulation: R-15 Sheathing Roof Deck: Wood Siding/shathing/decking/Decking Cavity / Frame: no insul. / 2x4 Inside Finish: Gypsum Board
R-0 Floor Mt No Crawlspace	Interior Floors	Wood Framed Floor	2x12 @ 24 in. O.C.	R-0	None / None	0.2	Floor Surface: Carpeted Floor Deck: Wood Siding/shathing/decking/Decking Cavity / Frame: no insul. / 2x12 Ceiling Below Finish: Gypsum Board

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BUILDING ENVELOPE - HERS VERIFICATION				
01	02	03	04	05
Quality Insulation Installation (QII)	High R-value Spray Foam Insulation	Building Envelope Air Leakage	CFM50	CFM50
Required	Required	N/A	n/a	n/a

WATER HEATING SYSTEMS								
01	02	03	04	05	06	07	08	09
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Compact Distribution	HERS Verification	Water Heater Name (H)
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	Basic	n/a	DHW Heater 1 (1)

WATER HEATERS												
01	02	03	04	05	06	07	08	09	10	11	12	13
Name	Heating Element Type	Tank Type	# of Units	Tank Vol. (gal)	Heating Efficiency Type	Efficiency	Rated Input Type	Input Rating or Pilot	Tank Insulation R-value (Int/Ext)	Standby Loss or Recovery Eff	1st Hr. Rating or Flow Rate	Tank Location
DHW Heater 1	Gas	Consumer Instantaneous	1	0	UEF	0.96	Btu/hr	200000	0	n/a	n/a	

WATER HEATING - COMPACT DISTRIBUTION						
01	02	03	04	05	06	07
Dwelling Unit Type	Water Heating System Name	Master Bath distance of furthest fixture to Water Heater (ft)	Kitchen distance of furthest fixture to Water Heater (ft)	Furthest Third furthest fixture to Water Heater (ft)	Compactness Factor	HERS Verification
Dwelling	DHW Sys 1	n/a	n/a	n/a	0.7	n/a

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WATER HEATING - HERS VERIFICATION						
01	02	03	04	05	06	07
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Compact Distribution Type	Recirculation Control	Shower Drain Water Heat Recovery
DHW Sys 1 - 1/1	Not Required	Not Required	Not Required	Basic	Not Required	Not Required

SPACE CONDITIONING SYSTEMS							
01	02	03	04	05	06	07	08
Name	System Type	Heating Unit Name	Heating Equipment Count	Cooling Unit Name	Cooling Equipment Count	Fan Name	Distribution Name
HVAC1	Heat pump heating cooling	Heat Pump System 1	2	Heat Pump System 1	2	HVAC Fan 1	Air Distribution System 1

HVAC - HEAT PUMPS												
01	02	03	04	05	06	07	08	09	10	11	12	13
Name	System Type	Number of Units	Heating Efficiency Type	HSPF/HS PF2/COP	Cap 47	Cap 17	Cooling Efficiency Type	SEER/SE ER2	EER/EEER 2/CEER	Zonally Controlled	Compressor Type	HERS Verification
Heat Pump System 1	Central split HP	2	HSPF2	8.2	60000	42000	EER2/SEER2	14.3	11.7	Not Zonal	Single Speed	Heat Pump System 1-hers-mpump

HVAC HEAT PUMPS - HERS VERIFICATION								
01	02	03	04	05	06	07	08	09
Name	Verified Airflow	Airflow Target	Verified EER/EEER	Verified SEER/SEER2	Verified Refrigerant Charge	Verified HSPF/HS PF2	Verified Heating Cap 47	Verified Heating Cap 17
Heat Pump System 1-hers-mpump	Required	350	Not Required	Not Required	No	Yes	Yes	Yes

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HVAC - DISTRIBUTION SYSTEMS											
01	02	03	04	05	06	07	08	09	10	11	12
Name	Type	Design Type	Duct Ins. R-value Supply	Duct Ins. R-value Return	Duct Location	Surface Area	Bypass Duct	Duct Leakage	HERS Verification		
Air Distribution System 1	Conditioned space-entirely	Non-Verified	R-6	R-6	Conditioned Zone	n/a	n/a	No Bypass Duct	Sealed and Tested	Air Distribution System 1-hers-dist	

HVAC DISTRIBUTION - HERS VERIFICATION								
01	02	03	04	05	06	07	08	09
Name	Duct Leakage Verification	Duct Leakage Target (%)	Verified Duct Location	Verified Duct Design	Buried Ducts	Deeply Buried Ducts	Low-leakage Air Handler	Low Leakage Ducts Entirely in Conditioned Space
Air Distribution System 1-hers-dist	Yes	5.0	Required	Not Required	Not Required	Credit not taken	Not Required	No

HVAC - FAN SYSTEMS			
01	02	03	04
Name	Type	Fan Power (Watts/CFM)	Name
HVAC Fan 1	HVAC Fan	0.58	HVAC Fan 1-hers-fan

HVAC FAN SYSTEMS - HERS VERIFICATION		
01	02	03
Name	Verified Fan Watt Draw	Required Fan Efficacy (Watts/CFM)
HVAC Fan 1-hers-fan	Required	0.58

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INDOOR AIR QUALITY (IAQ) FANS								
01	02	03	04	05	06	07	08	09
Dwelling Unit	Airflow (CFM)	Fan Efficacy (W/CFM)	IAQ Fan Type	Includes Heat Energy Recovery?	IAQ Recovery Efficiency SRE/ASRE	Includes Fault Indicator Display?	HERS Verification	Status
Sfam IAQVentRpt 1-1	80	0.0875	Exhaust	No	n/a / n/a	No	Yes	
Sfam IAQVentRpt 2-1	110	0.063664	Exhaust	No	n/a / n/a	No	Yes	
Sfam IAQVentRpt 3-1	110	0.063664	Exhaust	No	n/a / n/a	No	Yes	

**PROJECT NOTES**  
Note: Load calculations within this report are for building energy compliance purposes only. A mechanical engineer should design the HVAC system using the loads here as a basis from which to start their calculations.  
Conditioned floor area (CFA) is the total floor area (in square feet) of enclosed conditioned space on all floors of a building, as measured at the floor level of the exterior surfaces of exterior walls enclosing the conditioned space (7100.1). This term is also referred to in the Energy Standards simply as the floor area.  
CFA is calculated from the plan dimensions of the building, including the floor area of all conditioned and indirectly conditioned space on all floors. It includes lofts and mezzanines but does not include covered walkways, open roofed-over areas, porches, pipe trenches, exterior terraces or steps, chimneys, roof overhangs, or parking garages. Unheated basements or closets for central gas-fired air furnaces are also not included, unless shown to be indirectly conditioned.  
The floor area of an interior stairway is determined as the CFA beneath the stairs and the tread area of the stairs themselves.

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I, certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Chad Campbell	Documentation Author Signature: <i>Chad Campbell</i>
Company: Newton Energy	Signature Date: 05/01/2026
Address: 14671 W. Harvard Street	CEAF/HERS Certification Identification (if applicable): R22-23-40134
City/State/Zip: Goodyear, AZ 85395	Phone: 310-375-2699
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance.	
2. I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.	
3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	
Responsible Designer Name: Chad Campbell	Responsible Designer Signature: <i>Chad Campbell</i>
Company: Newton Energy	Date Signed: 05/01/2026
Address: 14671 W. Harvard Street	License:
City/State/Zip: Goodyear, AZ 85395	Phone: 310-375-2699

Digitally signed by California Home Energy Efficiency Rating Services (CHEERS). This digital signature is provided in order to assure the content of this registered document, and in no way implies Registration Provider responsibility for the accuracy of the information.

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