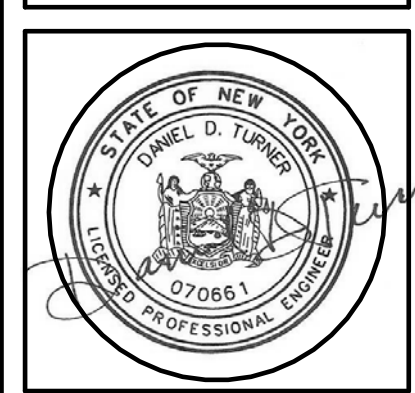


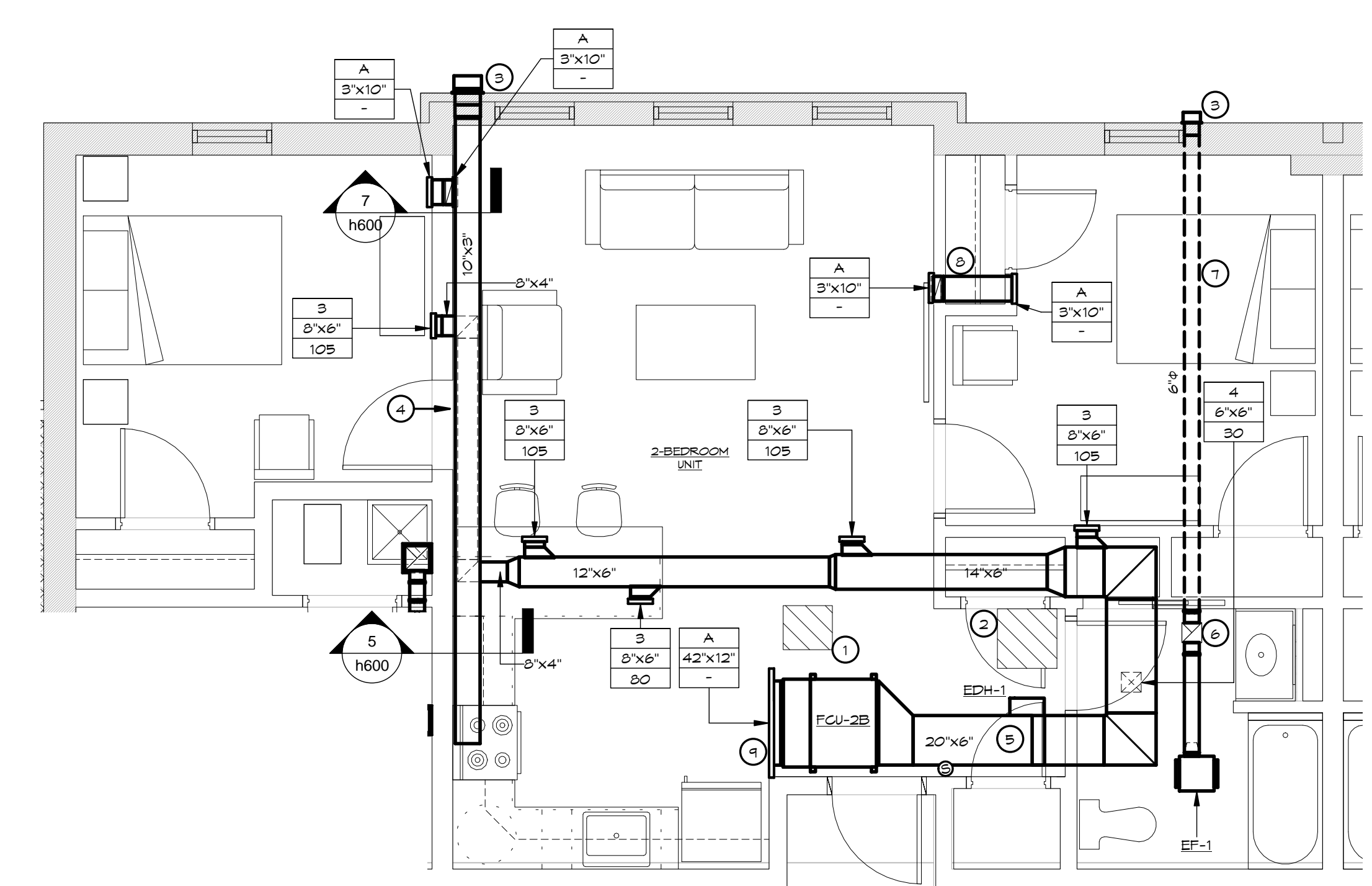
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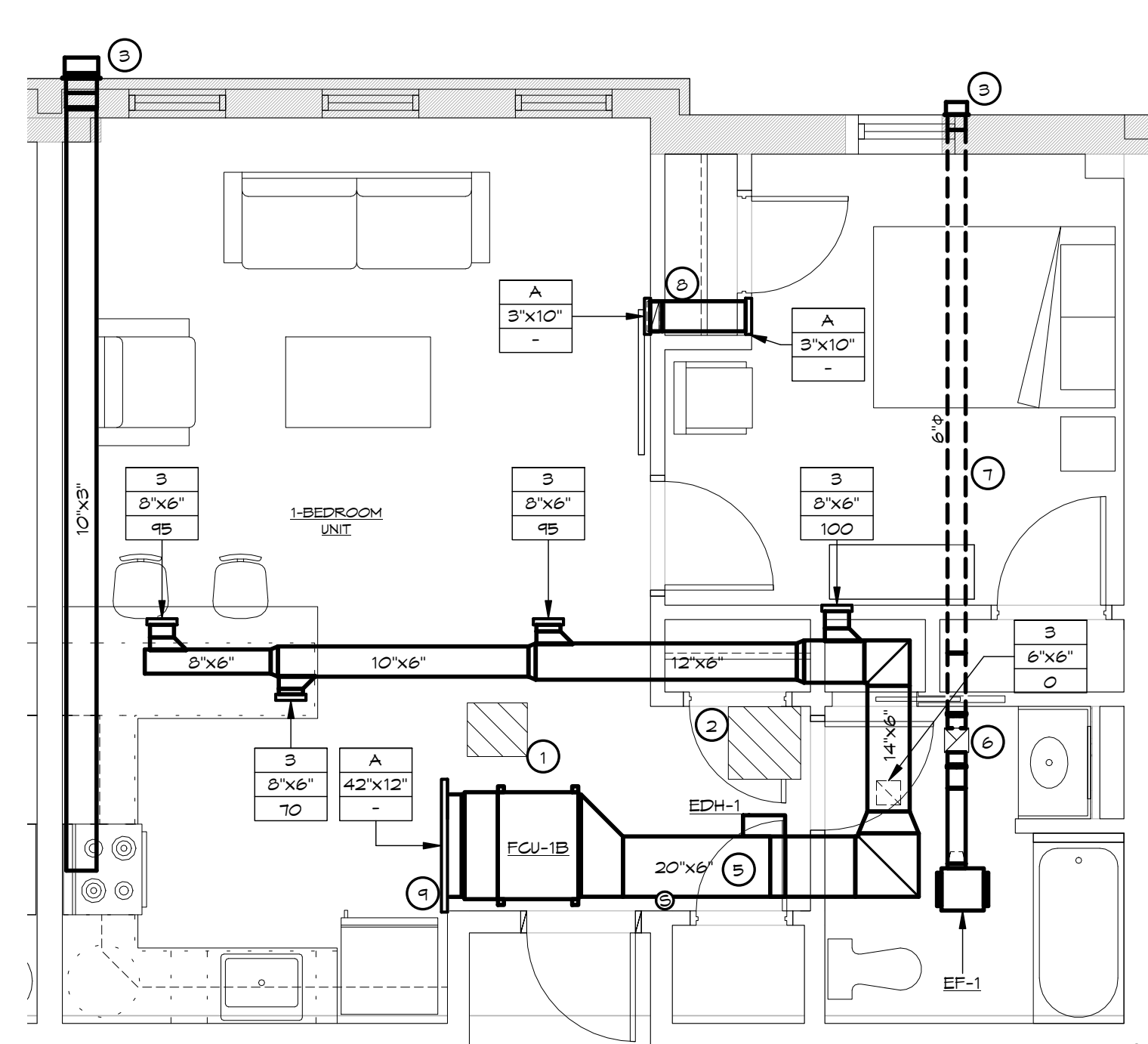
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20156021  
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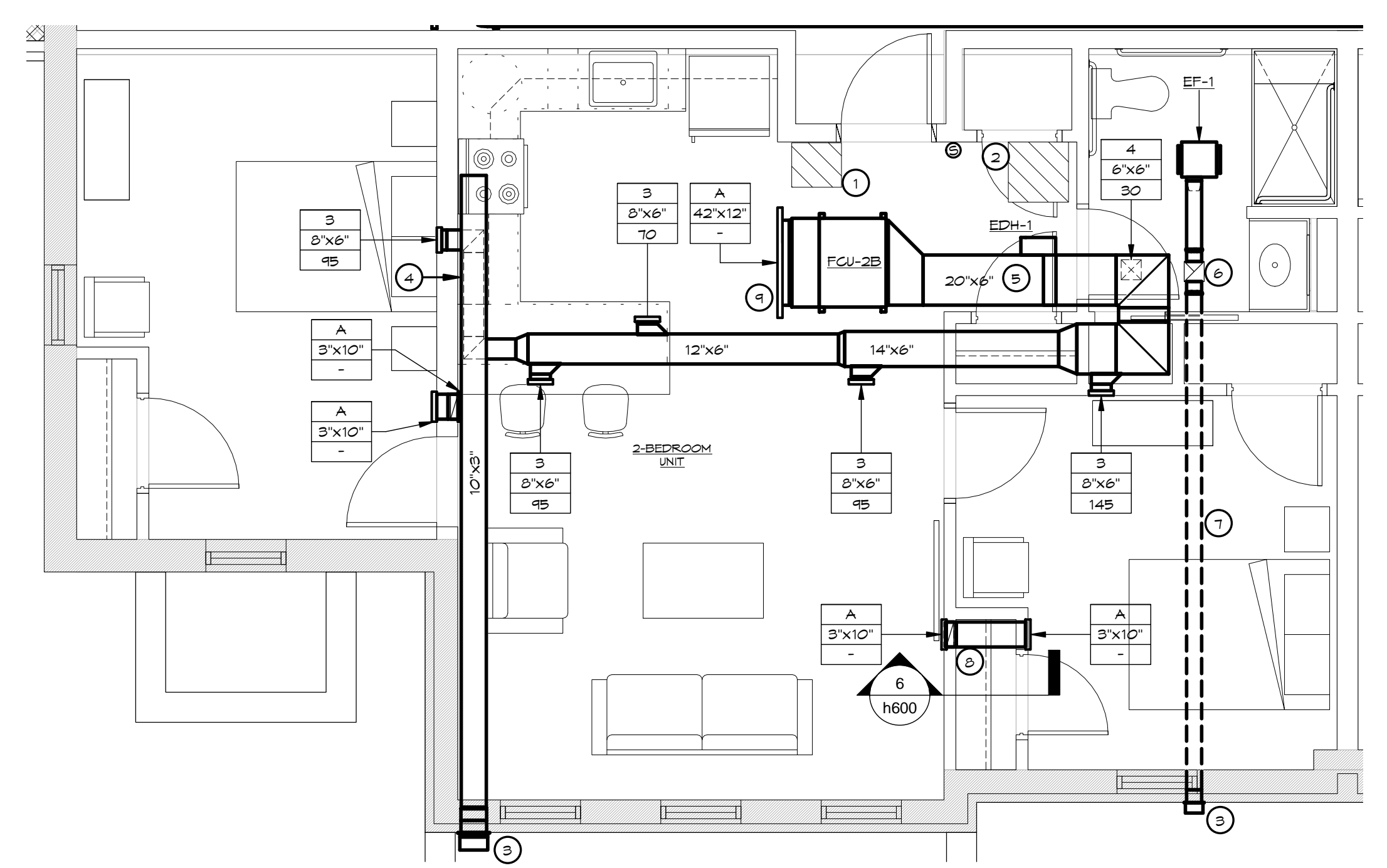
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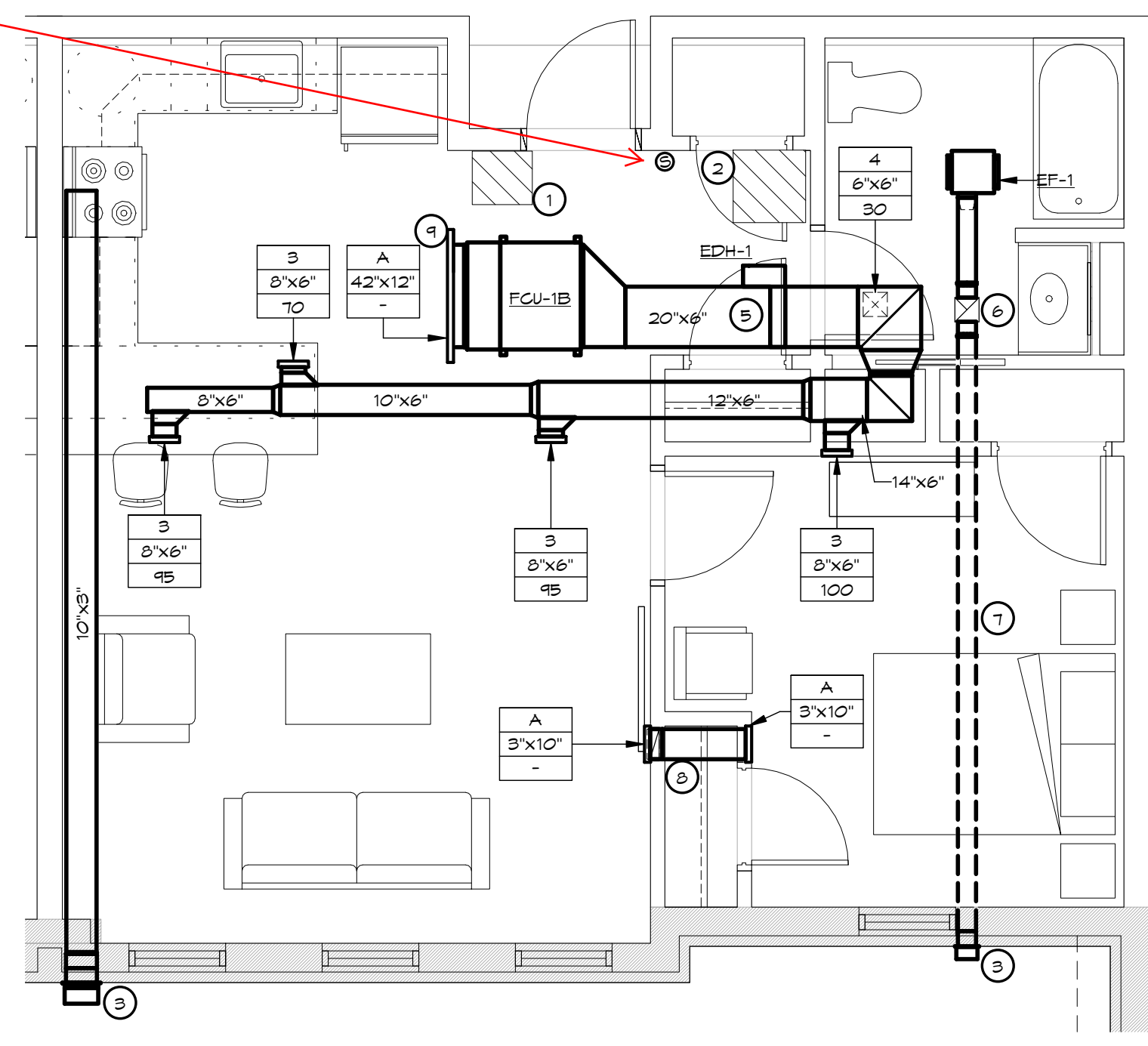
2-BEDROOM UNIT WEST - ENLARGED  
FIRST FLOOR PLAN  
1/4" = 1'-0"



1-BEDROOM UNIT WEST - ENLARGED  
FIRST FLOOR PLAN  
1/4" = 1'-0"



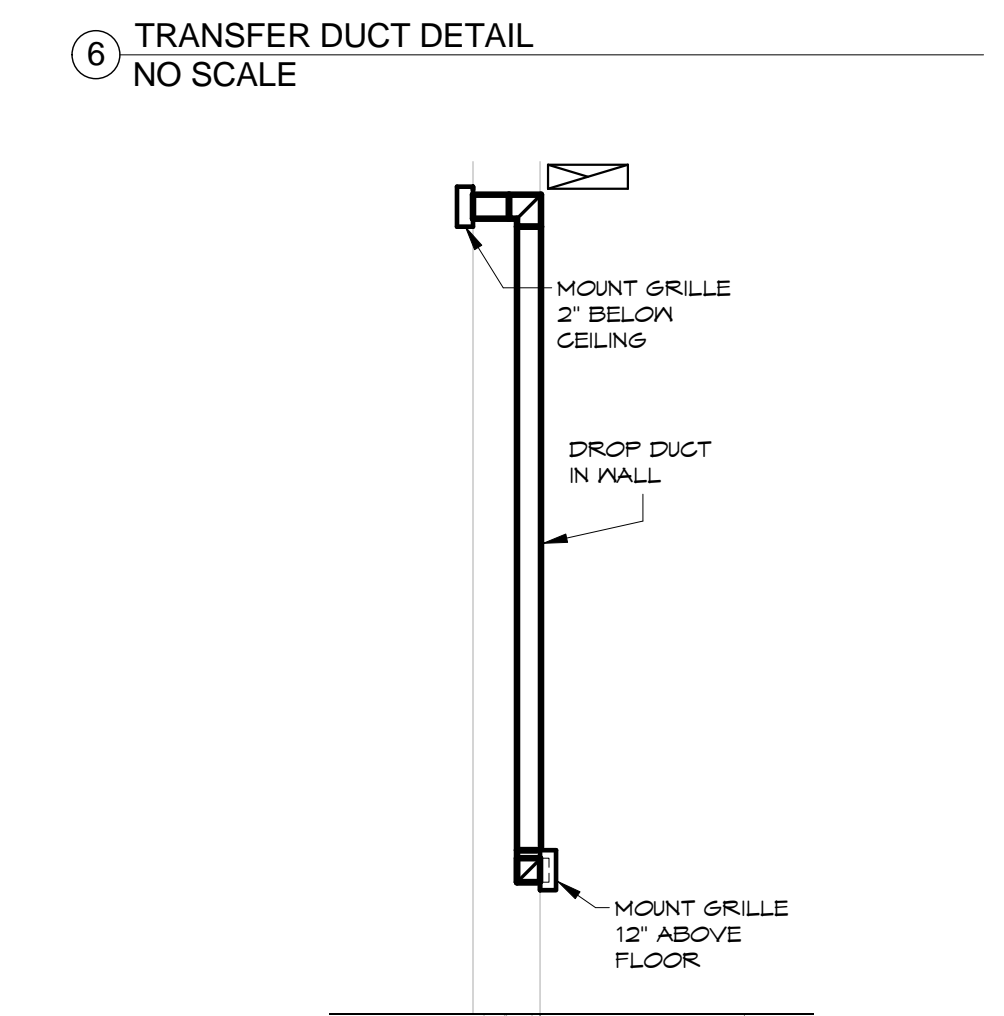
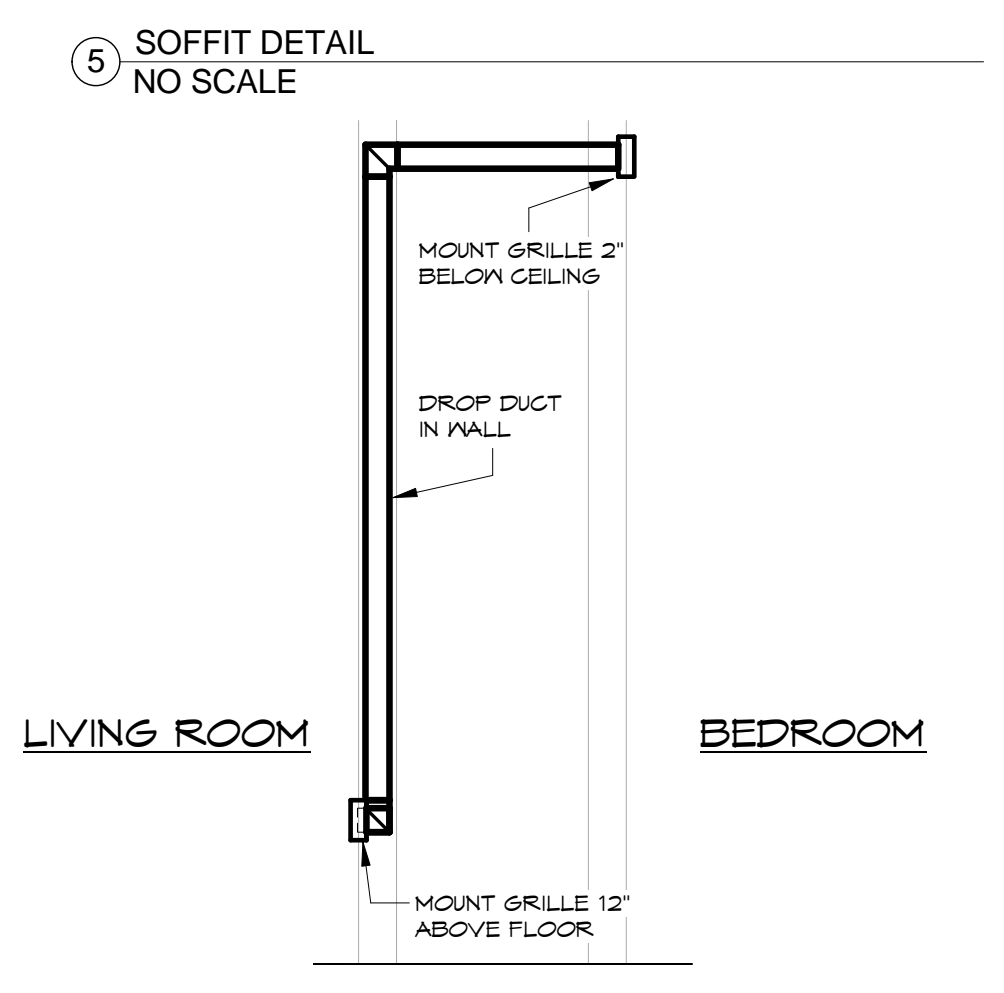
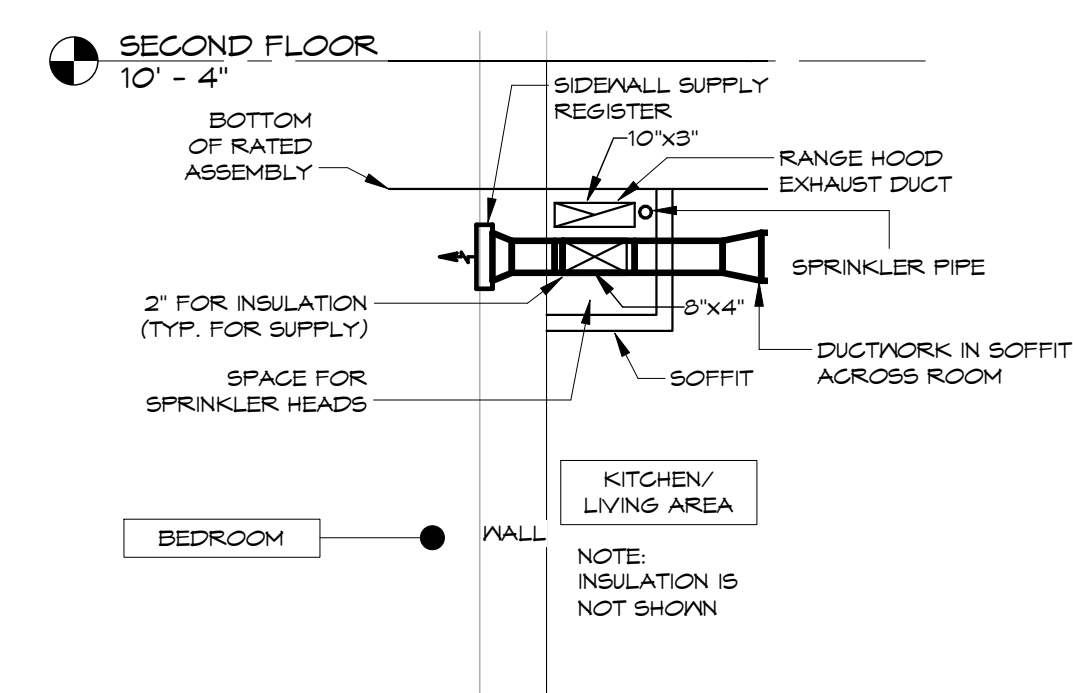
2-BEDROOM UNIT EAST - ENLARGED  
FIRST FLOOR PLAN  
1/4" = 1'-0"



1-BEDROOM UNIT EAST - ENLARGED  
FIRST FLOOR PLAN  
1/4" = 1'-0"

SENSOR/STAT  
LOCATION

- h600 DRAWING NOTES**
1. PROVIDE ACCESS PANEL FOR FAN COIL UNIT PER MANUFACTURER'S RECOMMENDATIONS.
  2. PROVIDE ACCESS PANEL FOR SERVICING ELECTRIC DUCT HEATER. PROVIDE CLEAR WORKSPACE IN FRONT OF CONTROL PANEL PER NEG REQUIREMENTS.
  3. PROVIDE HOODED WALL CAP PER H300 DETAIL 10. EXHAUST TERMINATION SHALL BE 3" MINIMUM BELOW WINDOW SILL HEIGHT ON FLOOR ABOVE.
  4. EXHAUST AND SUPPLY DUCT RUN STACKED. SEE VIEW 5 BELOW.
  5. PROVIDE STRAIGHT DUCTWORK FOR 4' UPSTREAM AND 2' DOWNSTREAM OF EDH OR PER MANUFACTURER'S RECOMMENDATIONS TO ENSURE PROPER OPERATION OF UNIT.
  6. INSTALL CEILING RADIATION DAMPER PER H100 DETAIL 11. PROVIDE ACCESS PANEL BENEATH DAMPER FOR SERVICING.
  7. EXHAUST DUCT RUNS ABOVE RATED ASSEMBLY AND BETWEEN JOISTS.
  8. 10X3 TRANSFER DUCT BETWEEN BEDROOM AND LIVING ROOM. SEE VIEW 6.
  9. COORDINATE SIDEWALL GRILLE LOCATIONS WITH ARCHITECTURAL SOFFIT.



CONSTRUCTION PERMIT DOCUMENTS

DEDICATED OUTDOOR AIR SYSTEM UNIT SCHEDULE - DX COOLING/GAS HEAT																							
TAG	LOCATION	AHRU STANDARD 360 EFFICIENCY EER	CFM	ESP (in. WC)	COOLING - PACKAGED DX					HEATING - NATURAL GAS			FILTER		ELECTRIC			WEIGHT (LBS)	COMMENTS	DESIGN EQUIPMENT			
					TYPE	BHP	HP	TMBH	SMBH	EAT (T DB/AB)	LAT (T DB/AB)	INPUT (MBH)	OUTPUT (MBH)	EAT (T DB)	MIN LAT (T DB)	TYPE	MERV				VOLT	PH	MCA
DOAS-1	LOW ROOF	19.4	2450	1.5	PLENAM	2	1.60	176	49.3	89.5/75.5	10.3/69.0	250	200	-6	60	2' FLEATED	0	200	3	10.0	2513	1-20	MITSUBISHI PREMISYS MP-11-1100

- PROVIDE UNIT WITH DIRECT-DRIVE AIRFOIL FLENUM BLOWERS WITH FACTORY MOUNTED VFD'S.
- PROVIDE UNIT WITH DOUBLE WALL, INSULATED CABINET.
- PROVIDE UNIT WITH PACKAGED INTERNALLY MOUNTED CONTROL CENTER WITH MOTOR STARTERS, 24 VAC CONTROL TRANSFORMERS, AND CONTROL CIRCUIT FUSING.
- PROVIDE UNIT WITH DOWNTURNED INTAKE WEATHER HOOD.
- PROVIDE UNIT WITH 2' FLEATED MERV-9 SUPPLY FILTERS.
- PROVIDE UNIT WITH PRE-FABRICATED 24" ROOF CURB.
- PROVIDE UNIT WITH MOTORIZED LOW LEAKAGE OUTDOOR AIR DAMPER.
- PROVIDE UNIT WITH MICROPROCESSOR MNET CONTROLS.
- PROVIDE UNIT WITH SUPPLY FAN CONSTANT VOLUME CONTROLS.
- PROVIDE UNIT WITH MODBUS NETWORK PROTOCOL.
- PROVIDE UNIT WITH DIRTY FINAL FILTER SENSOR.
- PROVIDE UNIT WITH BRANCH CIRCUIT FUSING.
- PROVIDE UNIT WITH FACTORY MOUNTED AND WIRED 120V NEMA 3R OUTLET.
- PROVIDE UNIT WITH FACTORY MOUNTED DISCONNECT.
- PROVIDE UNIT WITH DIGITAL SCROLL COMPRESSORS.
- PROVIDE UNIT WITH STAINLESS STEEL HEAT EXCHANGERS.
- PROVIDE UNIT WITH 19:1 TURNDOWN MODULATING HEAT.
- PROVIDE UNIT WITH DISCHARGE AIR TEMPERATURE CONTROL.

FAN COIL UNIT SCHEDULE - VARIABLE REFRIGERANT FLOW																	
TAG	ROOMS SERVED	BRANCH CONTROLLER	SA CFM	OA CFM	ESP (in. WC)	COOLING			HEATING			ELECTRICAL			COMMENTS	DESIGN EQUIPMENT	
						TMBH	SMBH	LAT (F)	MBH	LAT (F)	VOLT	PH	MCA				
FCU-1	28,29,30,31	BC-G	600	120	0.60	12.63	13.64	53.7	15.66	44.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P18NMAU		
FCU-2	24,25,26,27	BC-G	600	65	0.60	16.83	13.64	53.7	15.40	43.8	200	1	15	1,2,3,4	MITSUBISHI PEFY-P18NMAU		
FCU-3	23,32,33,34,35,38	BC-G	370	235	0.60	11.22	8.35	53.9	10.44	46.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMAU		
FCU-4	2,3,36,37	BC-G	300	100	0.60	5.61	5.61	57.5	5.25	66.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMAU		
FCU-5	10	BC-G	370	65	0.20	11.13	8.58	53.4	10.67	46.7	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMSU		
FCU-6	12,13	BC-G	370	45	0.60	11.22	8.35	53.9	10.50	46.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMAU		
FCU-7	14,15	BC-G	380	410	0.60	25.24	20.31	53.5	23.27	44.4	200	1	15	1,2,3,4	MITSUBISHI PEFY-P27NMAU		
FCU-8	22	BC-G	370	80	0.20	11.00	8.52	53.5	10.97	45.9	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMSU		
FCU-9	20	BC-G	385	225	0.20	13.87	10.21	50.4	13.03	101.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P18NMAU		
FCU-10	5,16,17,21	BC-G	300	75	0.60	5.60	5.60	57.5	5.13	65.9	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMAU		
FCU-11	7,8	BC-G	370	110	0.60	11.21	8.34	54.0	10.34	45.0	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMAU		
FCU-12	18,19	BC-G	300	125	0.60	7.41	6.36	55.2	6.87	41.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMAU		
FCU-16	122	BC-1	370	30	0.20	10.60	9.45	54.4	9.87	66.2	200	1	15	1,2,3,4	MITSUBISHI PEFY-P12NMSU		
FCU-17	119	BC-1	380	70	0.60	21.00	15.54	55.4	14.70	40.7	200	1	15	1,2,3,4	MITSUBISHI PEFY-P24NMAU		
FCU-18	119,124,125	BC-1	250	0	0.20	9.27	9.27	53.6	4.89	85.1	200	1	15	1,2,3,4,5	MITSUBISHI PEFY-P06NMSU		
FCU-26	121	BC-1	350	100	0.60	26.47	20.85	52.9	24.85	46.1	200	1	15	1,2,3,4	MITSUBISHI PEFY-P30NMAU		
FCU-32	126,127	BC-1	250	80	0.20	5.36	4.97	56.2	4.46	88.6	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMSU		
FCU-33	117	BC-B1	250	100	0.20	3.97	3.97	60.0	3.50	83.1	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMSU		
FCU-52	220,221,222	BC-A2	1160	220	0.60	12.30	11.79	56.6	10.40	86.1	200	1	15	1,2,3,4	MITSUBISHI PEFY-P18NMAU		
FCU-53	219	BC-B2	250	70	0.20	3.94	3.94	60.1	3.48	83.1	200	1	15	1,2,3,4	MITSUBISHI PEFY-P06NMSU		
FCU-61	304,310,311	BC-A3	1160	195	0.60	12.30	11.79	56.6	10.40	86.1	200	1	15	1,2,3,4	MITSUBISHI PEFY-P18NMAU		
FCU-1B	1-BEDROOM UNITS SEE FLOORPLANS		340	-	0.20	18.0	-	-	17.0	-	200	1	15	1,2,3,4,6,7	MITSUBISHI PEFY-P18NMAU		
FCU-2B	2-BEDROOM UNITS SEE FLOORPLANS		530	-	0.20	18.0	-	-	20.0	-	200	1	15	1,2,3,4,6,7	MITSUBISHI PEFY-P18NMAU		

- PROVIDE UNIT WITH CONDENSATE PUMP.
- PROVIDE UNIT WITH MERV 9 FILTERS AND FILTER BOX.
- PROVIDE UNIT WITH WALL MOUNTED SEVEN DAY PROGRAMMABLE CONTROLLER WITH REMOTE SETBACK CAPABILITIES.
- CAPACITIES AND LEAVING AIR TEMPERATURES BASED ON RETURN AIR TEMPERATURES OF 75°F (COOLING MODE) AND 10°F (HEATING MODE).
- OUTDOOR AIR REQUIREMENT FOR SERVED SPACES SHALL BE SATISFIED BY EXCESS OUTDOOR AIR IN CONTIGUOUS SPACES.
- PROVIDE UNIT WITH EXTERNAL HEATER ADAPTER FOR CONTROLLING ELECTRIC DUCT HEATER.
- HEATING AND COOLING CAPACITIES BASED ON NOMINAL VALUES. CONSULT WITH MANUFACTURER FOR ACTUAL VALUES.

TEMPERATURE CONTROLLER SCHEDULE

HEAT RECOVERY UNIT SCHEDULE													
TAG	LOCATION	AREA SERVED	NOM. COOLING MBH	NOM. HEATING MBH	EER	COP	COMPRESSOR TYPE	ELECTRICAL			WEIGHT (LBS)	COMMENTS	DESIGN EQUIPMENT
								VOLT	PH	MCA			
HRU-1	ROOF AREA A	1F AREA A, 10T, 10B	192	215	11.1	3.32	INVERTER SCROLL	200	3	120	1104	1,2,3,4,5	MITSUBISHI FURY-HP192
HRU-A	ROOF AREA A	2F AREA A, 3F AREA A	192	215	11.1	3.32	INVERTER SCROLL	200	3	120	1104	1,2,3,4,5	MITSUBISHI FURY-HP192
HRU-B	ROOF AREA B	1F AREA B, 2F AREA B	192	215	11.1	3.32	INVERTER SCROLL	200	3	120	1104	1,2,3,4,5	MITSUBISHI FURY-HP192
HRU-G	ROOF AREA B	GROUND FLOOR	192	215	11.1	3.32	INVERTER SCROLL	200	3	120	1104	1,2,3,4,5	MITSUBISHI FURY-HP192

- PROVIDE LOW AMBIENT KIT FOR COOLING OPERATION DOWN TO -10°F, INCLUDING SIDE SNOW GUARDS AND SNOW HOODS.
- PROVIDE UNIT WITH BUILT IN BASE FAN HEATER.
- MOUNT UNIT ON NON-PENETRATING EQUIPMENT RAIL SYSTEM. DESIGN EQUIPMENT: QUICKSLING (FOR SPECIFIC HRU UNIT, 24" HI).
- UNIT RATINGS BASED ON AMBIENT AIR TEMPERATURES OF 45°F (SUMMER) AND 13°F (WINTER).
- PROVIDE CENTRAL UNIT CONTROLLER (MODEL AE300) AND BRANCH SELECTOR BOXES AS REQUIRED.

FAN SCHEDULE															
TAG	LOCATION	SERVICE	CFM	ESP (in. WC)	BLADE TYPE	DRIVE TYPE	MOTOR			ELECTRICAL			WEIGHT (LBS)	COMMENTS	DESIGN EQUIPMENT
							HP	RPM	VOLT	PH	FLA	CONTROL			
EF-1	ALL BATHROOMS AND TOILET ROOMS	EXHAUST	NOTE 7	0.2	F.C.	DIRECT	FRAG.	1131	120	1	-	2-SPEED	12	1,2,3,4,5,6,7	PANASONIC FV-05-11VKS1
EF-2	ROOF AREA A	EXHAUST	300	0.5	B.I.	DIRECT	1/10	1725	120	1	2.6	DISCONNECT	24	8,9,10	GREENHECK G-005-V6
EF-3	O10A SERVER, O11 ELECTRIC	EXHAUST	75	0.1	F.C.	DIRECT	FRAG.	-	120	1	-	DISCONNECT	12	3,11	GREENHECK CSP-B110

- PROVIDE UNIT WITH UNIT MOUNTED ECM FAN SPEED CONTROLS ADJUSTED TO AIRFLOW INDICATED AND PERMANENTLY MARKED AFTER FINAL AIR BALANCING. CONTROL MOUNTED IN FAN CASING.
- PROVIDE UNIT WITH INTEGRAL DISCONNECT.
- FAN TO BE SUSPENDED FROM STRUCTURE AND INSTALLED WITH RUBBER IN-SHEAR VIBRATION ISOLATORS.
- PROVIDE UNIT WITH GRAVITY BACKDRAFT DAMPER.
- LISTED SONES LEVEL SHALL BE LESS THAN ONE AND SHALL BE INDICATED AS MEASURED AT THE UNIT INLET.
- FAN TO BE ENERGY STAR RATED AND LABELED.
- ONE BEDROOM APARTMENT: 40/80 CFM TWO BEDROOM APARTMENT: 60/100 CFM. UNIT SHALL OPERATE CONTINUOUSLY AT LOWER AIRFLOW RATE AND INCREASE TO HIGHER AIRFLOW RATE WHEN WALL SWITCH (BY EC) IS ON, OR OCCUPANCY SENSOR SENSES MOTION. SET UNIT TO RESUME LOWER AIRFLOW RATE 10 MIN (ADJ) AFTER WALL SWITCH IS OFF OR OCCUPANCY SENSOR STOPS SENSING MOTION.
- PROVIDE UNIT WITH PRE-MANUFACTURED FLAT ROOF CURB.
- PROVIDE UNIT WITH BACKDRAFT DAMPER AND BIRD SCREEN.
- PROVIDE UNIT WITH EC FAN MOTOR AND UNIT MOUNTED SPEED CONTROLS.
- PROVIDE UNIT WITH INLET SCREEN.

REGISTER, GRILLE, AND DIFFUSER SCHEDULE						
TAG	TYPE	SERVICE	MATERIAL	INSTALLATION	COMMENTS	DESIGN EQUIPMENT
1	SQUARE PLAQUE DIFFUSER	SUPPLY	STEEL	LAYIN GRID		TITUS OMNI
3	STANDARD REGISTER	SUPPLY	STEEL	CEILING/SIDEMALL		TITUS 212-RS
4	STANDARD REGISTER	SUPPLY	ALUMINUM	CEILING		TITUS 212-FS
5	LINEAR SLOT DIFFUSER	SUPPLY	ALUMINUM	SLAT CEILING		TITUS ML-34
6	DUAL-DEFLECTION GRILLE	SUPPLY	ALUMINUM	DUCT-MOUNTED	1	TITUS 5500FL
A	STANDARD GRILLE	RETURN/EXHAUST	STEEL	CEILING/SIDEMALL		TITUS 350-RS
C	LINEAR SLOT GRILLE	RETURN	ALUMINUM	CEILING		TITUS MLR-34

- PRIME AND PAINT TO MATCH DUCTWORK. ARCHITECT TO DETERMINE COLOR.

ELECTRIC DUCT HEATER SCHEDULE								
TAG	DUCT HEIGHT	DUCT WIDTH	FPM	ELECTRICAL			COMMENTS	DESIGN EQUIPMENT
				VOLT	PH	KVA		
EDH-1	6"	20"	275-380	200	1	2.5	1,2,3	TUTCO EDH

- UNIT SHALL BE FLANGED CONSTRUCTION.
- UNIT SHALL HAVE FACTORY-INSTALLED DISCONNECT SWITCH.
- UNIT SHALL HAVE DIFFERENTIAL PRESSURE AIRFLOW SWITCH.

ELECTRIC CABINET UNIT HEATER SCHEDULE					
TAG	ELECTRICAL			COMMENTS	DESIGN EQUIPMENT
	KVA	VOLT	PH		
ECUH-1	2.0	120	1	1,2	QMARK LFK151F

- TOP OF UNIT SHALL BE MOUNTED 2" A.F.F.
- UNIT SHALL BE RECESSED INTO WALL.

DUCTLESS AC SPLIT SYSTEM													
TAG	INDOOR UNIT LOCATION	OUTDOOR UNIT LOCATION	COOLING (MBH)	AMBIENT TEMPERATURE OPERATING RANGE (F)	MAX. REFRIGERANT LINE LENGTH (FT.)	EER	ELECTRICAL			COMMENTS	INDOOR MODEL	OUTDOOR MODEL	
							VOLT	PH	MCA				
AC-1	O10A SERVER	ACCU-1 AREA B ROOF	9.0	14	115	65	13.6	200	1	12	1	MITSUBISHI MSY-GE09NA	MITSUBISHI MJY-GE09NA

- UNIT SHALL BE ENERGY STAR RATED.



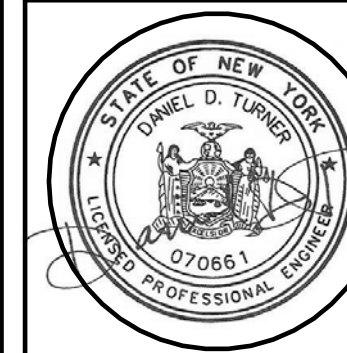
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HVAC SCHEDULES



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