

GENERAL H.V.A.C. NOTES

- Contractor shall furnish all labor, materials and equipment for a complete H.V.A.C. system in accordance with these drawings. The Florida Building Code 2017 and the latest edition of the (a) ASHRAE, (b) Mechanical Refrigeration (b) NFPA, Pamphlets 90A & 91 (c) SMACNA (d) ASHRAE.
- Provide all air conditioning ductwork to be 1-1/2" standard gully coil reinforced fiberglass (R-4) manufactured logo printed on the vapor barrier in conditioned space or return plenum space.
- Provide all exhaust ductwork to be code gage galvanized sheet metal.
- Confirm duct size shown are net free area inside.
- Provide all air devices (diffusers, registers and grilles) to be all aluminum construction, with exposed surface chemically treated to receive paint to match color of Air Guide or approved equal.
- Provide opposed blade dampers at all diffusers and registers.
- Provide thermostats to be combination cooling / heating with system Cool / Auto / Heat / Off and Fan On / Auto selector switches.
- Refrigerant piping shall be copper type "L" with 1/2" or greater.
- Insulation shall be provided for section lines.
- Provide new filters for fan coil before starting. These filters must also be replaced prior to final acceptance by owner.
- General contractor is to hire an independent test and balance company to verify and certify the system is properly balanced and adjusted by the Professional Engineer from the company prior of acceptance of work, if required.
- Mechanical contractor is to provide turning vent at all change of directions of ductwork and provide all necessary hangers and supports. and shall be installed in accordance with the applicable regulations.

SITE INVESTIGATION NOTE

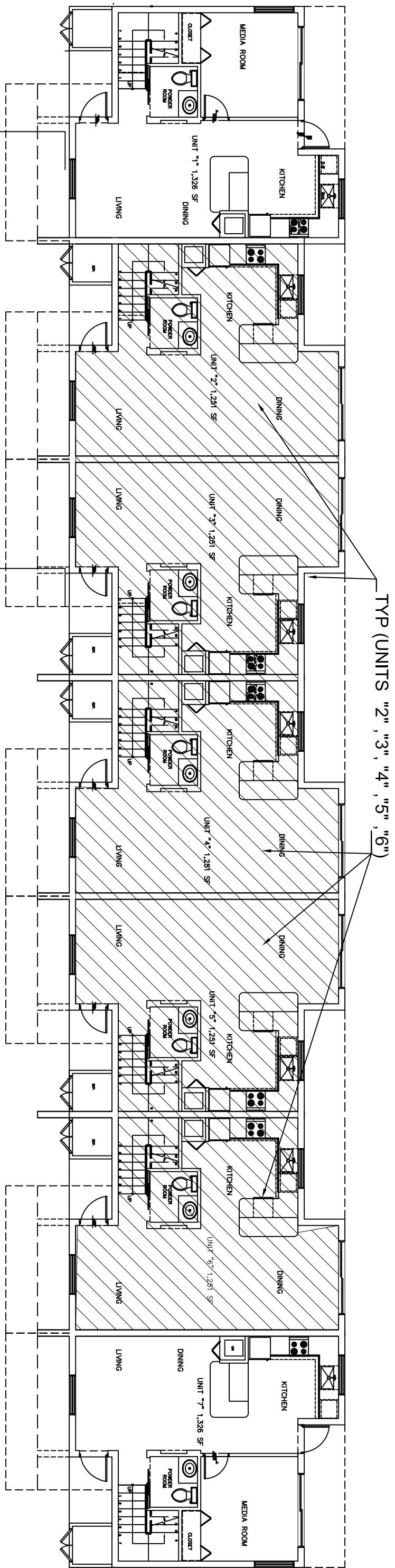
EXAMINATION OF CONTRACT DOCUMENTS AND SITE OF WORK, THE BIDDER IS REQUIRED, BEFORE SUBMITTING HIS PROPOSAL, TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH THE VARIOUS CONDITIONS TO BE DONE AND EQUIPMENT, MATERIALS AND LABOR REQUIRED THEREFORE, SINCE THE WORK INVOLVES NEW AND/OR EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO THE EXISTING CONDITIONS, SLIGHT VARIATION OF ROUTING AND/OR CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID OF CONFLICTS WITH OTHER TRADES. THESE VARIATIONS ARE EXPRESSLY INCLUDED AS PART OF THE CONTRACTOR'S OBLIGATIONS AND RESPONSIBILITY. THE CONTRACTOR WILL IN NO WAY RELIEVE HIM OF THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.

LEGEND

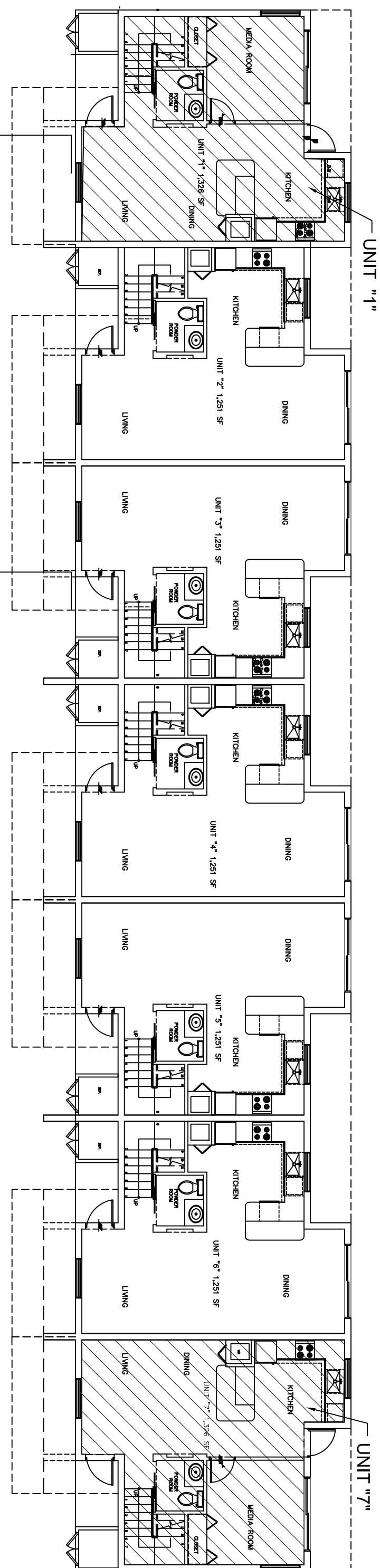
- CEILING GRILLE SEE SIZE SCHEDULE DUCT TO MATCH NECK SIZE TYP.
- THERMOSTAT
- AIR FLOW DIRECTION (ARROWS DENOTE 1 WAY, 2 WAY, ETC., SEE PLANS.
- RETURN OR EXHAUST, SEE PLANS.
- EXHAUST FAN
- CEILING GRILLE
- FULL LOWERED DOOR
- UNDERCUT DOOR FOR AIR RETURN
- VERIFY EXACT LOCATION AT FIELD

FAN-COIL									
DESIGNATION	CFM	TOTAL	SENSIBLE	WB	DB	VOLTS	PHASES	HUNG KW	AMPS
AHU#1(12.5TON)	1000	28.8	21.8	67	80	230	1	5	23
AHU#2(3TON)	1200	36.0	26.2	67	80	230	1	7	32
								40	30
								RA1P30175TA1MA	3/8
								RA1P36175TA1MA	3/8
								RA1P36175TA1MA	7/8
								RA1P36175TA1MA	1

CONDENSING UNIT									
DESIGNATION	TEMP. BNT. CONDENSER	VOLTS	PHASES	WIRE AMPS	FUSES	MANUFAC.	REF. UNIT	QBS OR SEER	AREA SERVED
CU#1(2.5TON)	28.8	95	230	1	20	30	RA1430A11MA	14.0	SHOWN
CU#2(3TON)	36.0	95	230	1	25	30	RA1436A11MA	14.0	SHOWN



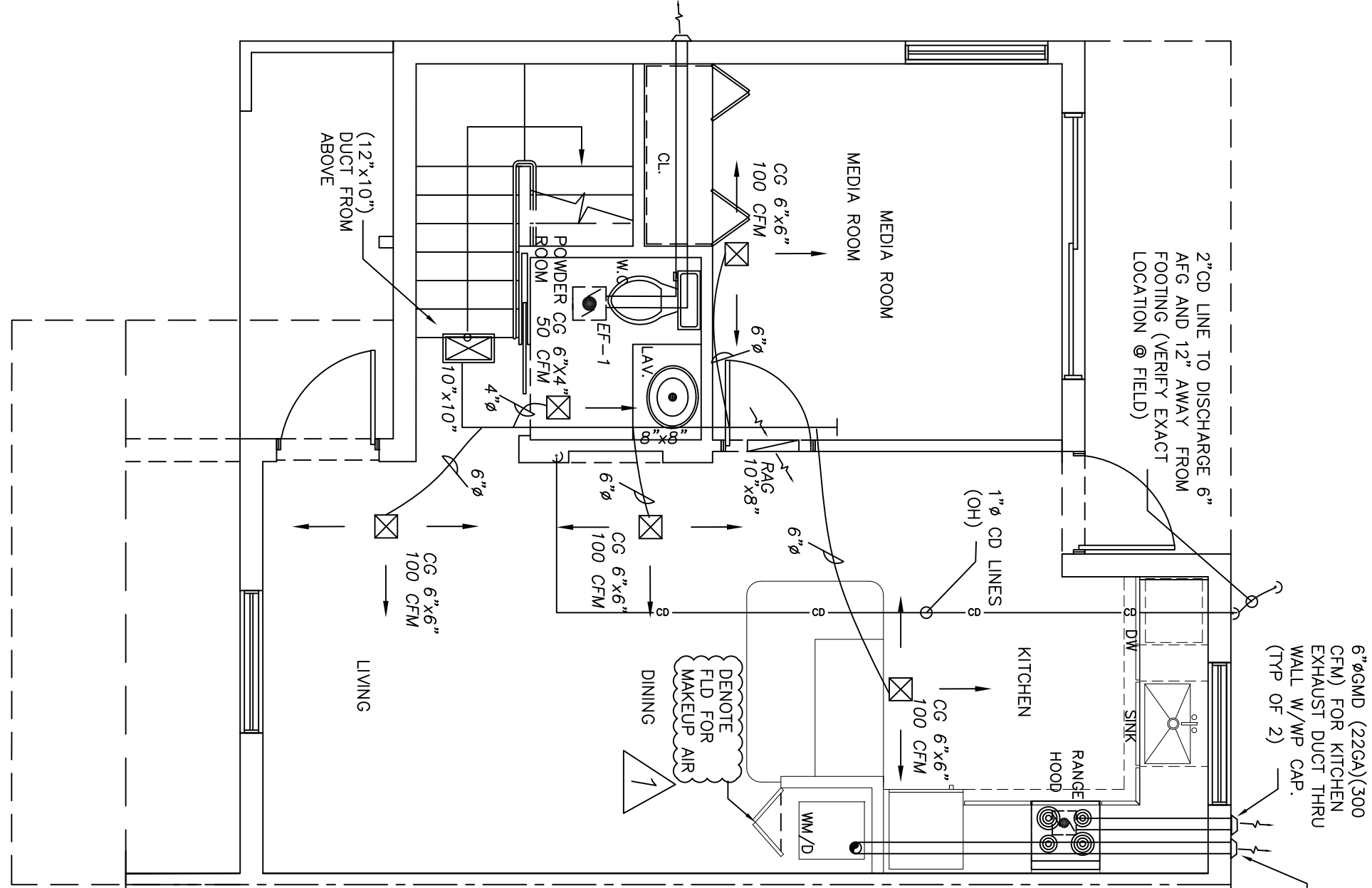
KEY PLAN - 7UNIT - BLDG #5



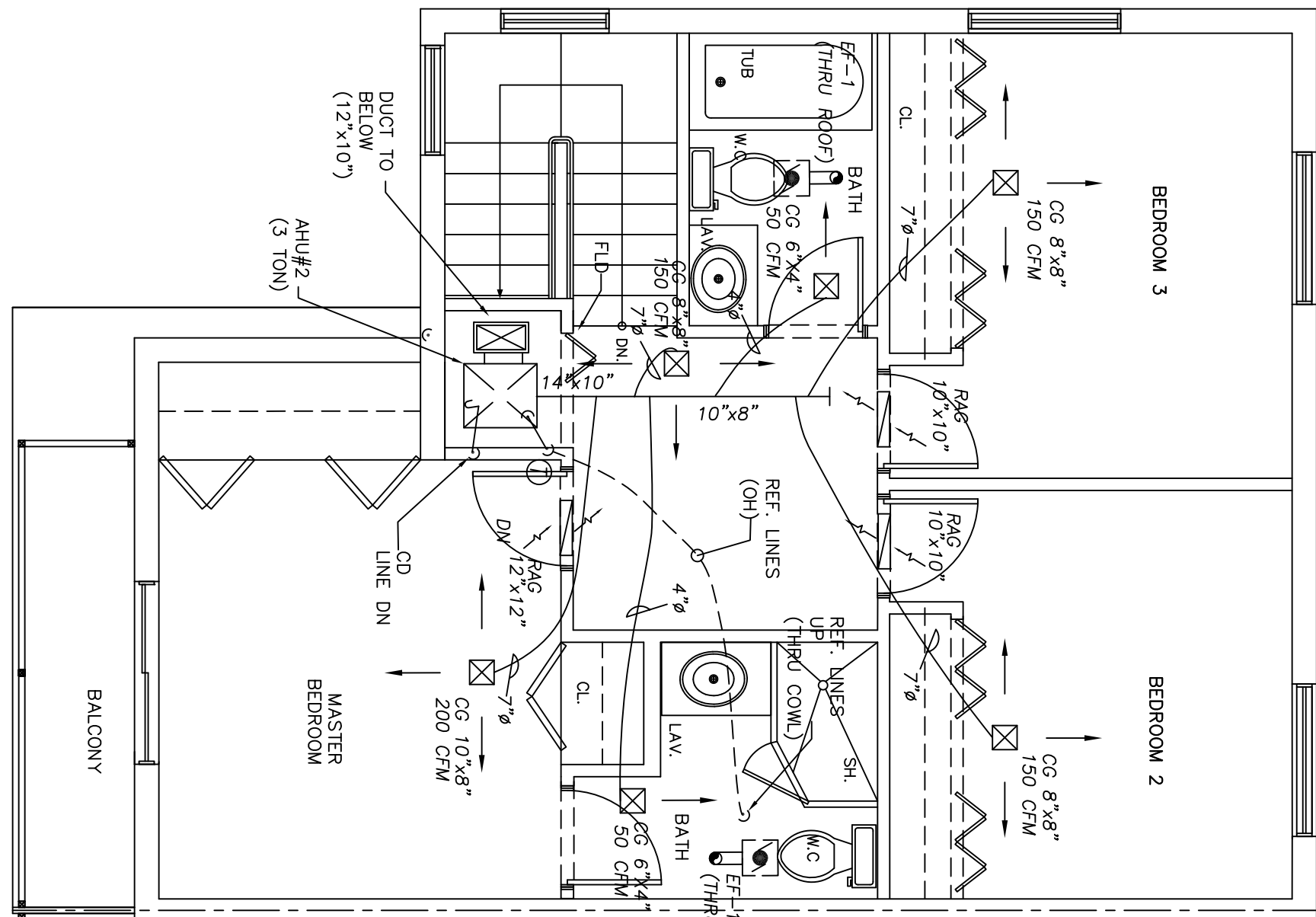
KEY PLAN - 7UNIT - BLDG #5

MECHANICAL FLOOR PLAN

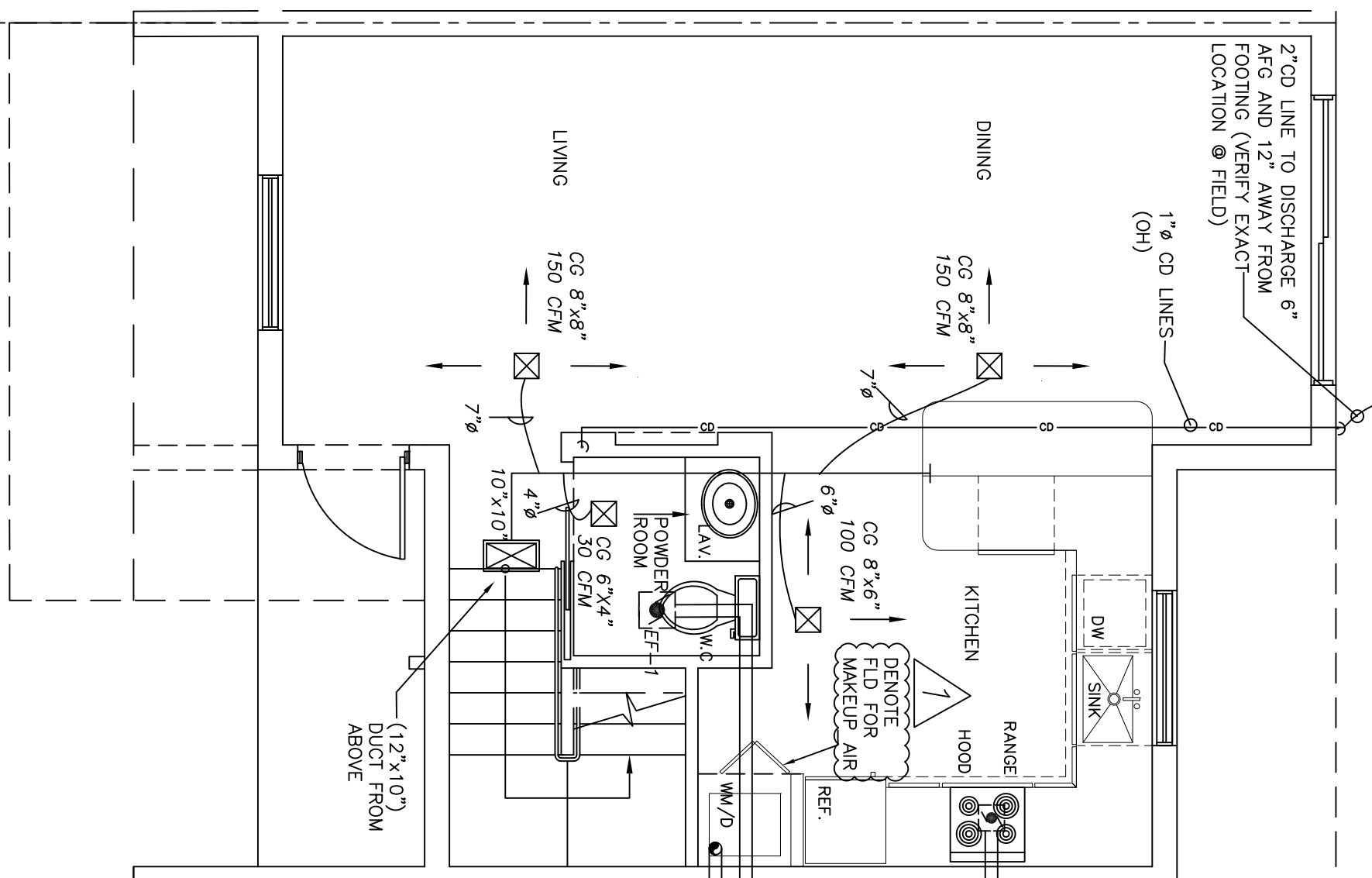
SCALE: 1/4"= 1'-0"



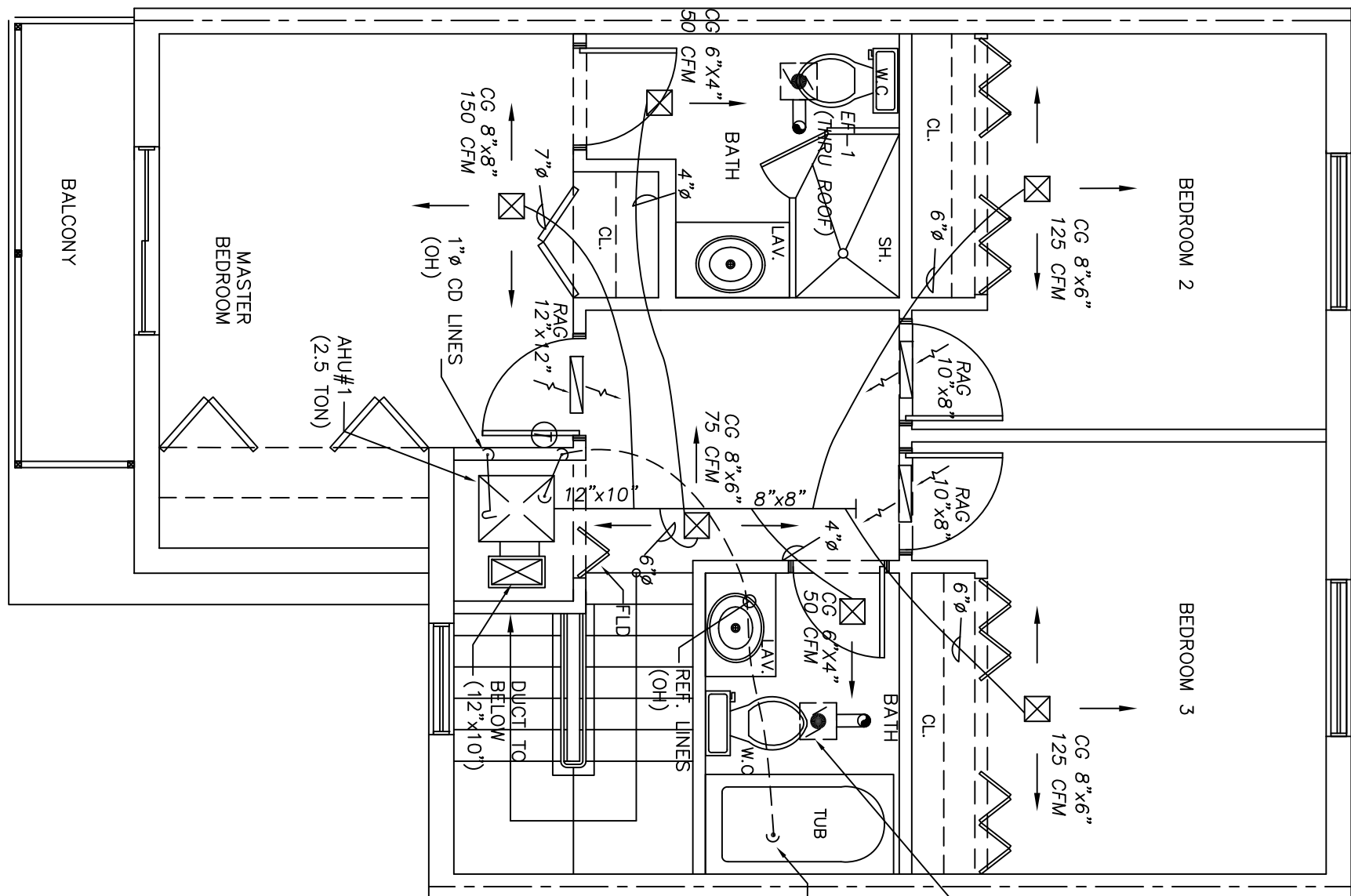
GROUND FLOOR PLAN -CORNER  
TYP (UNITS "1", "7")



SECOND FLOOR PLAN -CORNER  
TYP (UNITS "1", "7")



GROUND FLOOR PLAN -CORNER  
TYP (UNITS "2", "3", "4", "5", "6")



SECOND FLOOR PLAN -CORNER  
TYP (UNITS "2", "3", "4", "5", "6")

Revisions

- 02.01.19 1ST ISSUE
- 08.23.19 B.D.C

PROPOSED NEW BLDG #5 (7 UNITS)  
THE VILLAGES AT MIAMI GARDENS  
3400 NW 191st STREET  
MIAMI GARDENS, FL. 33056-2936

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Job No. \_\_\_\_\_  
Date \_\_\_\_\_  
Scale \_\_\_\_\_  
Sheet No. \_\_\_\_\_

Seal \_\_\_\_\_  
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