

1. Contractor shall furnish all labor, materials and equipments for a complete H.V.A.C. system in accordance with these drawings and specifications (see 2017) and the latest edition of the following publications:  
(a) ASHRAE  
(b) Mechanical Refrigeration  
(c) NIA Pamphlets 904 & 91  
(d) SHOCKEN  
(e) ASHRAE
2. Proposals for air conditioning equipment to be a 1/2" standard duty condenser, 1/2" standard duty evaporator and 1/2" standard duty vapor barrier, when in unconditioned space, and 3/4" standard duty condenser, 3/4" standard duty evaporator and 3/4" standard duty vapor barrier in conditioned space or return plenum space.
3. Provide oil exhaust ductwork to be cold grade galvanized sheet metal.
4. Confirm duct size shown are not free area inside.
5. Provide oil air devices (diffusers, registers and grilles) to be oil aluminum construction, with exposed surfaces chemically treated to resist pitting to match color of flat grille or approved equal.
6. Provide opposed blade dampers of all diffusers & registers.
7. Provide thermostats to be combination cooling / heating with system cool / heat / Off and On / Auto settings.  
Insulation shall be provided for suction lines with 1/2" diameter.
8. Insulation shall be provided for suction lines.
9. Filters must also be replaced prior to final acceptance by owner. Filters must have no fines for fan coil before starting. These filters must be replaced prior to final acceptance by owner.
10. General contractor is to have an Independent Test and Sign company which shall provide 3 sets of the report and signed by the Professional Engineer from the company prior of acceptance of work, if required.
11. Mechanical contractor is to provide, turning work at all change of directions and shall be installed in accordance with the applicable regulations.

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 TO CONSIDER THE FOLLOWING: THE EXISTING CONDITIONS OF THE WORK TO BE DONE, ANY LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT THE WORK TO BE DONE, AND EQUIPMENT, MATERIALS AND LABOR REQUIRED THEREFOR. SINCE THE WORK INVOLVES NEW AND/OR EXISTING BUILDINGS, SYSTEMS AND FACILITIES, SPECIAL CONSIDERATION SHALL BE GIVEN TO THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES. FAILURE TO IDENTIFY WITH ALL EXISTING CONDITIONS, SLIGHT VARIATION OF ROUTING AND/OR OF CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES. THESE WARNINGS ARE EXPRESSLY INCLUDED AS PART OF THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES AND STRUCTURES. FAILURE TO IDENTIFY WITH ALL EXISTING CONDITIONS, SLIGHT VARIATION OF ROUTING AND/OR OF CONSTRUCTIONS SHOULD BE ANTICIPATED BY THIS CONTRACTOR TO AVOID CONFLICTS WITH OTHER TRADES. THESE WARNINGS ARE EXPRESSLY INCLUDED AS PART OF THE CONTRACT. THE CONTRACTOR WILL IN NO WAY RELY ON THE OBLIGATIONS AND RESPONSIBILITY ASSUMED UNDER THIS CONTRACT.

CONDENSING UNIT										
DESIGNATION	TEMP. EXT. CONDENSER	ELECTRICAL DATA				REF. UNIT	OBS OR SER.	AREA SERVED		
		VOLTS	PHASES	WIRE AMPS	FUSES					
CU-1(2-57)	30.0	95	1	25	30	TRANE	4T76030/1000A	17.0	SHOWN	
CU-2(37)	36.4	95	230	1	25	30	TRANE	4T76036/1000A	17.0	SHOWN

	CEILING GRILLE. SEE SIZE SCHEDULE DUCT TO MATCH INCEK SIZE 17".
	RETURN AIR GRILL. RIG-6 (RETURN AIR GRILL)
① →	THERMOSTAT AIR FLOW DIRECTION (ARROWS DENOTE 1 WAY, 2 WAY, ETC., SEE PLANS)
↺ ↻	RETURN OR EXHAUST. SEE PLANS.
	EXHAUST FAN
CG	CEILING GRILLE
F.L.D.	PULL LOUVERED DOOR
UC	UNDERCUT DOOR FOR AIR RETURN
V.E.L.F.	VERIFY, EXACT LOCATION AT FIELD



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



PROPOSED NEW BLDG 1 (6 UNIT APT COMPLEX)  
THE VILLAGES AT MIAMI GARDENS  
3400 NW 191st STREET  
MIAMI GARDENS, FL. 33056-2936