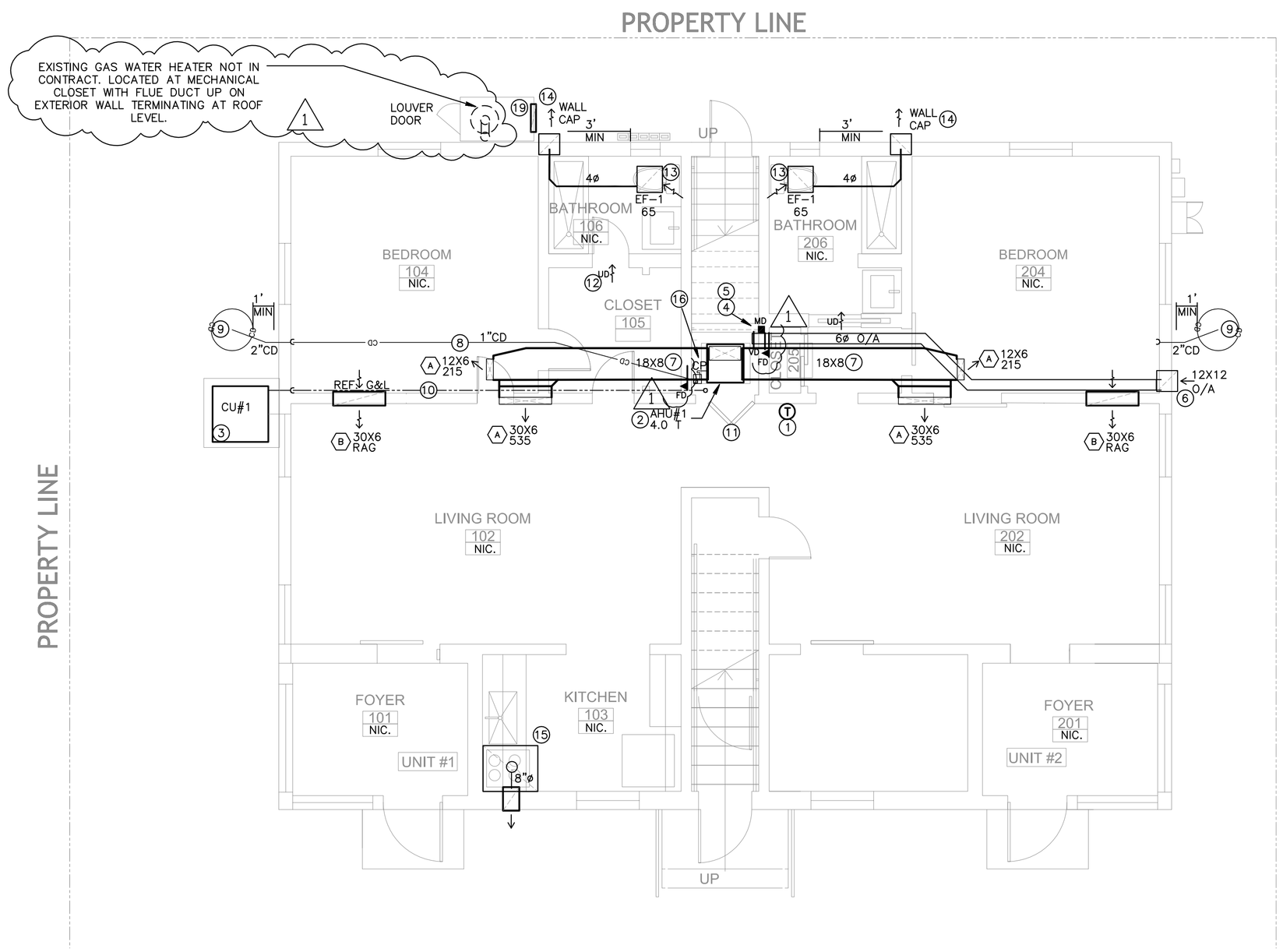
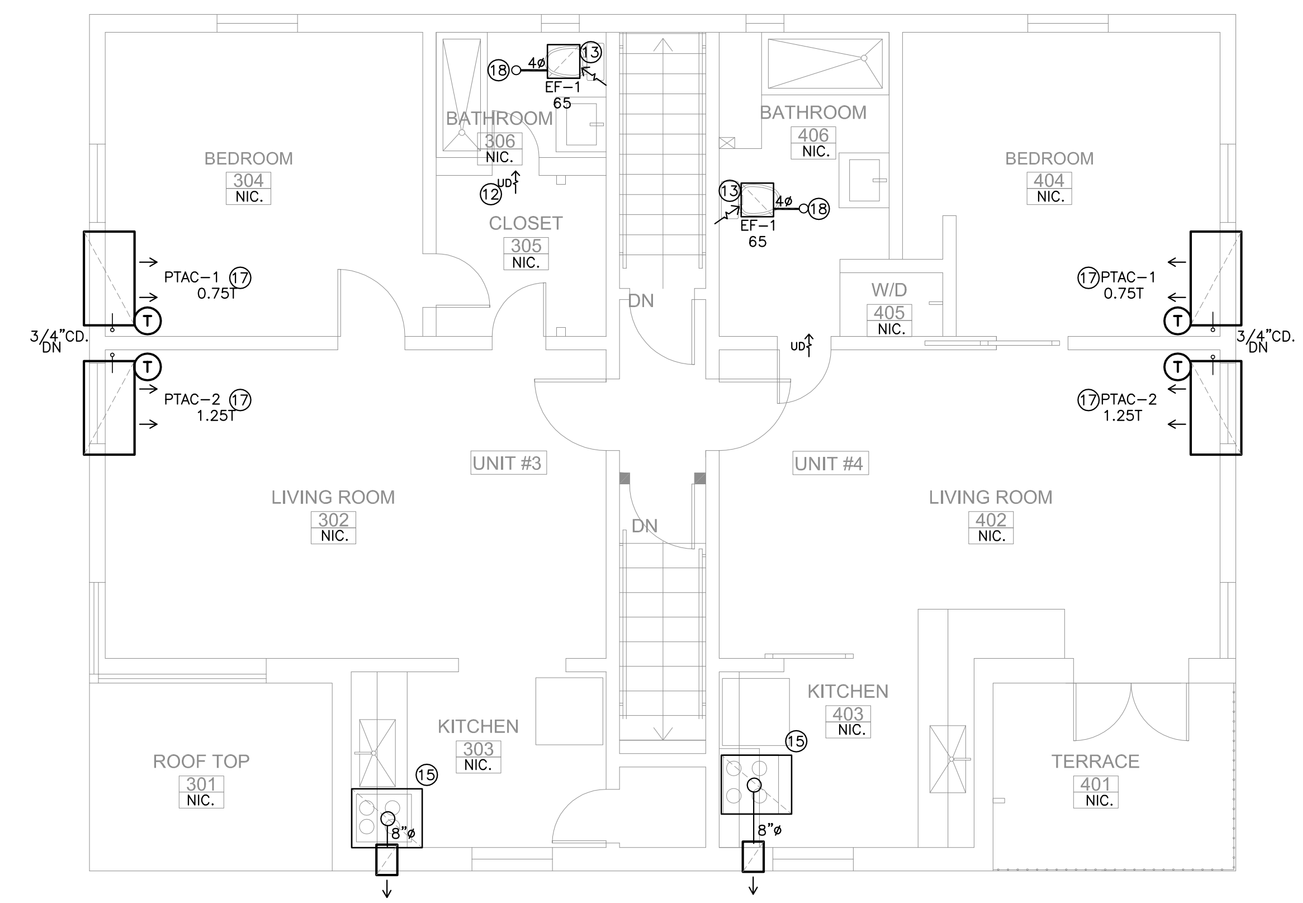


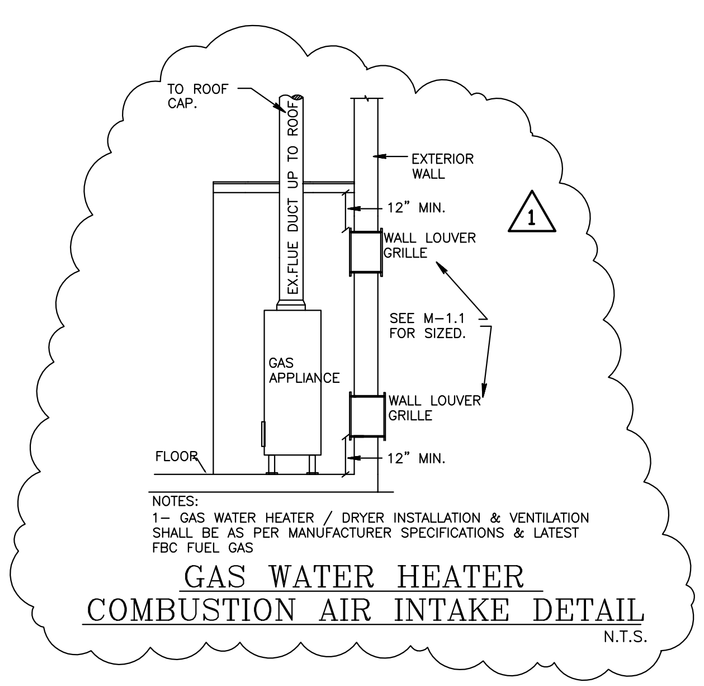
HVAC
1 GROUND FLOOR PLAN
SCALE : 1/4" = 1'-0"

N



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

N



GAS WATER HEATER COMBUSTION AIR INTAKE DETAIL
N.T.S.

HVAC NOTES:

1. WALL MOUNT PROGRAMMABLE THERMOSTAT AT 50" A.F.F.
2. VERTICAL MOUNT AIR HANDLER UNIT (AHU), AS SIZED ON PLAN. ALLOW MINIMUM 6" AROUND AHU. INSTALLATION AND SERVICE CLEARANCES AS PER MANUFACTURER SPECIFICATIONS.
3. CONCRETE PAD MOUNTED CONDENSING UNIT ABOVE FLOOD LEVEL. TIE DOWN SHALL BE MIAMI-DADE APPROVED.
4. PROVIDE MOTORIZED DAMPER (MD). MD CLOSED WHEN SPACE IS NOT IN USED.
5. PROVIDE MANUAL VOLUME DAMPER. TYPICAL.
6. OUTSIDE AIR (O/A) DUCT, AS SIZED ON PLAN TERMINATING WITH WALL LOUVER, BASE ON RUSKIN EME520MD, NOA 12-0816.01, MINIMUM FREE AREA 0.25. PROVIDE CORROSION RESISTANT SCREEN. O/A SHALL BE MINIMUM 10' AWAY FROM ANY EXHAUST OR VENT. FIELD VERIFY/COORDINATE FINAL LOCATION.
7. DUCTWORK TO BE RIGID FIBER GLASS DUCT BOARD 1.5" THICK (R-6).
8. INSULATED CONDENSATE LINE, AS SIZED ON PLAN, AT CEILING.
9. DRY-WELL FOR CONDENSATE COLLECTION. FIELD VERIFY/COORDINATE FINAL LOCATION.
10. REFRIGERANT LINES AT CEILING TO CONDENSER UNIT (CU).
11. FULL LOUVERED DOOR FOR RETURN AIR. NO COMBUSTIBLES ALLOWED.
12. 1" DOOR UNDER CUT. TYPICAL.
13. CEILING EXHAUST FAN & GRILLE W/BACKDRAFT DAMPER AS SIZED ON PLAN.
14. EXHAUST DUCT AS SIZED ON PLAN TO WALL CAP. PROVIDE CORROSION RESISTANT SCREEN.
15. NEW HOOD 200CFM, PROVIDE EXHAUST DUCT TERMINATED IN WALL PACK WITH BIRD SCREEN AND BACK DRAFT DAMPER.
16. CONDENSATE PUMP (CP), SEE SPECS. ON SCHEDULES SHEET.
17. PTAC HEAT PUMP UNIT, RUN CONDENSATE LINE ON WALL DOWN TO DRY WELL. FIELD COORDINATE.
18. EXHAUST DUCT AS SIZED ON PLAN UP TO ROOF CAP. PROVIDE CORROSION RESISTANT SCREEN.
19. TWO 18X18 VENTILATION LOUVER, ONE @ 12" A.F.F. AND ONE @ 12" BELOW ROOF DECK, REFER TO DETAIL.

COMBUSTION AIR CALCULATION:

FBC-GAS. 2014 304.9 MECHANICAL COMBUSTION AIR SUPPLY MINIMUM 0.35 CFM PER 1,000 BTU/HR.

GAS WATER HETER	400,000 BTU
TOTAL COMBUSTION AIR:	140 CFM.

SCOPE OF WORK:

CHANGE OF USE FROM APARTMENT BUILDING TO SHORT TERM HOTEL. NEW AC EQUIPMENT AND NEW AIR DISTRIBUTION.

ENERGY CONSERVATION NOTES:

ALL HVAC EQUIPMENT SHALL BE EQUIPPED WITH PROGRAMMABLE THERMOSTAT TO ALLOW SYSTEM SHUT DOWN AFTER HOURS OF OPERATION. ALL LIGHTING HAS AFTER HOURS SHUT DOWN. ALL AC EQUIPMENT PROVIDE WITH OUTSIDE AIR MOTORIZED DAMPERS TO SHUT DOWN WHEN SPACE IS NOT IN USED.

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No.	DATE	ISSUED / REVISED
1	17 FEB/15	PERMITTING
	RTC 12-3-15	

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SEAL :

WESLEY ART CASTELLANOS
FLORIDA ARCHITECT LICENSE AR 96133

PROJECT NO : 2014-32

HVAC FIRST & SECOND FLOOR PLAN

CHECKED BY : O.F.
DRAWN BY : O.F.
SCALE: AS NOTED
SHEET NO : M-1.1

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