

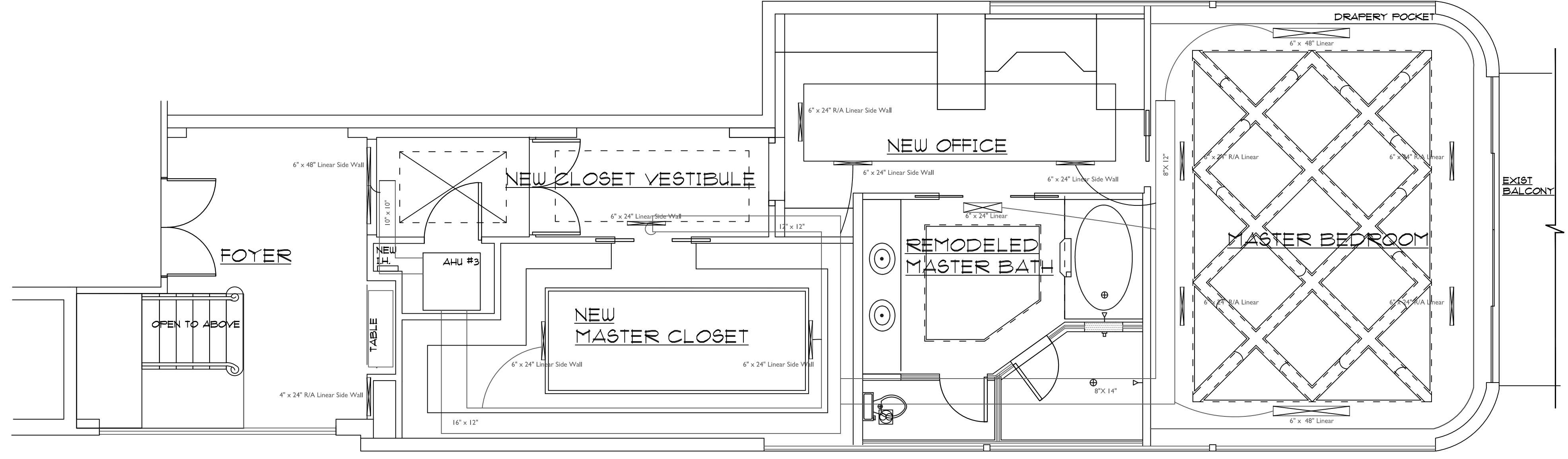
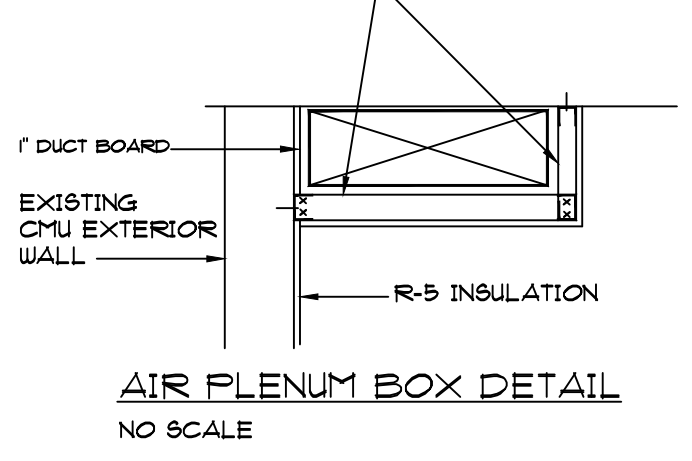
**GENERAL HVAC NOTES:**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2007 FLORIDA MECHANICAL BUILDING CODE AND ALL LOCAL CODES AND ORDINANCES IN A FIRST CLASS MANNER AND ACCEPTED BY THE ENGINEER UPON COMPLETION OF THE JOB.
- CONTRACTOR SHALL COORDINATE THE WORK WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCE WITH OTHER WORK.
- CONTRACTOR SHALL COORDINATE AND PAY (VIA THE BID) FOR ALL REQUIRED PERMITS, TESTS, INSURANCE (LIABILITY AND PROPERTY), AND INSPECTIONS.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE, SHOWING THE WORK TO BE COMPLETED. THEY ARE INTENDED TO SHOW A COMPLETE WORKING SYSTEM. ITEMS REASONABLY INFERRED AS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM SHALL BE PROVIDED WHETHER SPECIFICALLY SHOWN OR NOT. ANY DISCREPANCIES OR OMISSIONS IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE BID OR THEY WILL BE CONSIDERED PART OF THE BID.
- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THE COMPLETION OF HIS WORK.
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS LABELS WHERE APPLICABLE.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW WORK INDICATED ON THE DRAWINGS. IF A PROBLEM OR OMISSION IS ENCOUNTERED IN FOLLOWING THE DRAWINGS THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE IN WRITING AND CEASE WORK ON THAT PORTION OF THE WORK UNTIL THE ENGINEER HAS GIVEN NEW DIRECTIONS.
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIM/HER SELF WITH ALL CONDITIONS INVOLVING H.V.A.C. SYSTEMS AND MAKE PROVISIONS TO THE COST OF THE BID. ALL EXISTING MECHANICAL EQUIPMENT (WHETHER SHOWN ON DRAWINGS OR NOT) TO BE VERIFIED AS EXISTING AND USABLE BY THE CONTRACTOR.
- LOCATION OF ANY MECHANICAL EQUIPMENT NOT DIMENSIONED ON THE DRAWINGS CANNOT BE SCALED FROM THE MECHANICAL DRAWINGS BUT MUST BE CONFIRMED BY THE OWNER (OR OWNER'S REPRESENTATIVE) OR THE ENGINEER'S DRAWINGS.
- CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM THE TIME OF OCCUPANCY. ANY DEFECTS SHALL BE CORRECTED INCLUDING ANY DAMAGE TO OTHER DIVISIONS OF CONSTRUCTION WITHOUT ANY ADDITIONAL CHARGE TO THE OWNER.
- COORDINATE INSTALLATION OF CONDENSATE SYSTEM WITH PLUMBING CONTRACTOR. CONDENSATE SYSTEM SHALL INCLUDE A FLOAT SWITCH AND A 2" DEEP EMERGENCY FAN UNDER AIR HANDLERS. CONDENSATE TO TERMINATE AT DRY WELLS (12" DIA X 24" DEEP MIN.) OR 1'-0" MINIMUM FROM EXTERIOR WALL, AND SLOPE AWAY FROM EXTERIOR WALL. ALL BENDS GREATER THAN 45 DEGREES SHALL HAVE TURNING VANES. ALL EXHAUST DUCTWORK TO BE SHEETMETAL.
- CONTRACTOR SHALL PROVIDE TEST AND BALANCE REPORT.
- ALL GRILLES SHALL BE FULLY ADJUSTABLE ALUMINUM GRILLES WHITE E99 FINISH, METAL AIRE OR APPROVED EQUAL.
- PROVIDE A PROGRAMMABLE THERMOSTAT FOR EACH AIR HANDLING UNIT. UNIT SHALL NOT HAVE ANY VISIBLE NAMEPLATES.
- VERIFY ALL DUCT SIZE, INSULATION WITH ENERGY CODES AND ENERGY CALCS SUPPLIED.
- HOLD ALL WALL MOUNTED DIFFUSERS 10' BELOW INTERSECTION OF WALL/CEILING.

**A/C SYSTEM #3-**

- MANUFACTURER - RHEEM
- COND - 14AJM36AI
- COIL - RHLLN1362UA
- SEER - 16
- SENSIBLE - X Btuh
- LATENT - X Btuh
- TOTAL - X Btuh
- KW - 7.5
- COPPER SIZE - 3/8" x 3/8"
- DRAIN SIZE - 3/4" PVC

PROVIDE 1 1/2" x 25 GAGE MTL STUDS W/ 1/2" DRYWALL ANCHOR TO EXISTING STRUCTURE AT 18" O.C. STAGGERED W/ 2" FIN. SEAL ALL JOINTS TO BE AIR TIGHT



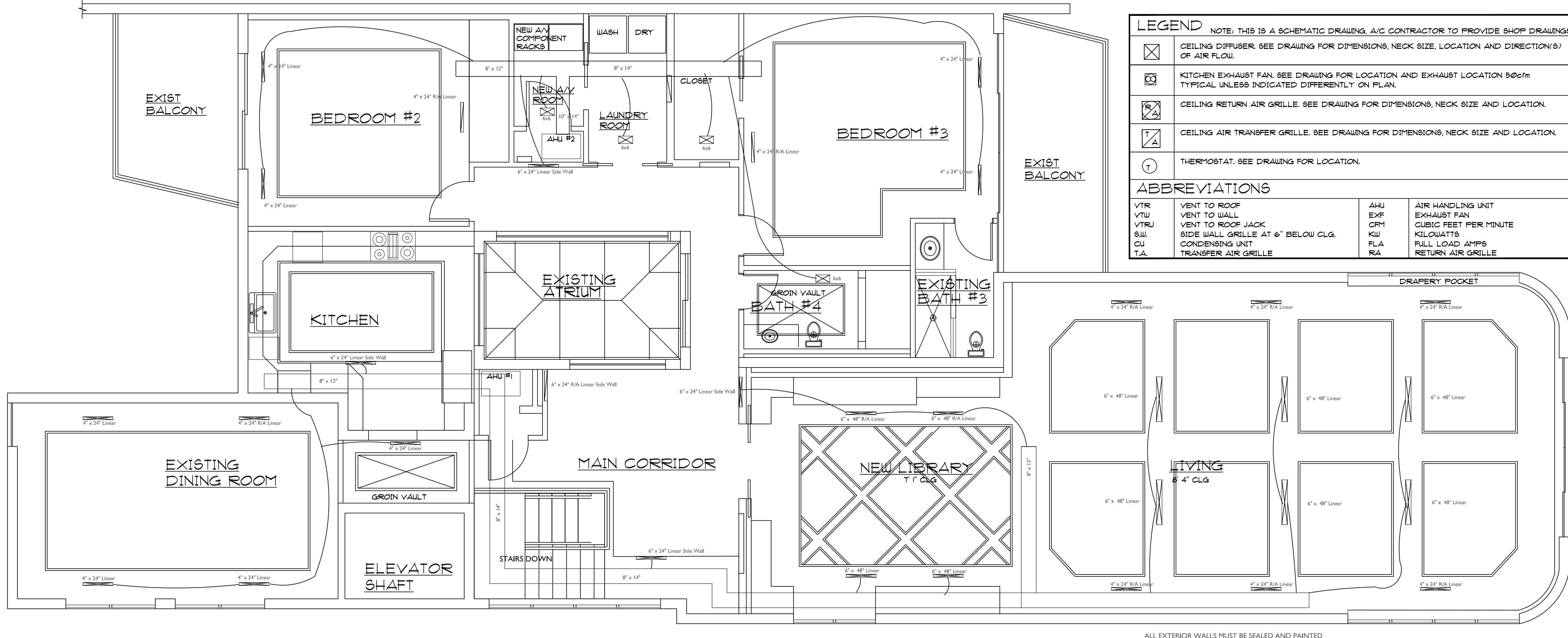
**1ST FLOOR AIR CONDITIONING PLAN**  
1/4"=1'-0"

**RETURN AIR NOTE:**  
SOFFITS ARE TO BE USED AS FLENUM BOX(S) FOR RETURN AIR

Contractor shall check and verify all dimensions at the building site, and report any discrepancies to the Architect immediately.  
REVISIONS:  
AS-BUILTS 1/6/11

PROJECT ADDRESS  
YEARS RESIDENCE  
2155 S. OCEAN BLVD  
UNIT 10  
DELRAY BEACH, FL

SHEET CONTENTS:  
**HVAC PLANS**



**A/C SYSTEM #1-**

- MANUFACTURER - RHEEM
- COND - 14AJM36AI
- COIL - RHLLN1362UA
- SEER - 16
- SENSIBLE - X Btuh
- LATENT - X Btuh
- TOTAL - X Btuh
- KW - 7.5
- COPPER SIZE - 3/8" x 3/8"
- DRAIN SIZE - 3/4" PVC

**A/C SYSTEM #2-**

- MANUFACTURER - RHEEM
- COND - 14AJM18AI
- COIL - RHLLN1247JA
- SEER - 16
- SENSIBLE - X Btuh
- LATENT - X Btuh
- TOTAL - X Btuh
- KW - 7.5
- COPPER SIZE - 3/8" x 3/8"
- DRAIN SIZE - 3/4" PVC

**2ND FLOOR AIR CONDITIONING PLAN**  
1/4"=1'-0"

**LEGEND** NOTE: THIS IS A SCHEMATIC DRAWING, A/C CONTRACTOR TO PROVIDE SHOP DRAWINGS.

- ☒ CEILING DIFFUSER. SEE DRAWING FOR DIMENSIONS, NECK SIZE, LOCATION AND DIRECTION(S) OF AIR FLOW.
- ☒ KITCHEN EXHAUST FAN. SEE DRAWING FOR LOCATION AND EXHAUST LOCATION 50cfm TYPICAL UNLESS INDICATED DIFFERENTLY ON PLAN.
- ☒ CEILING RETURN AIR GRILLE. SEE DRAWING FOR DIMENSIONS, NECK SIZE AND LOCATION.
- ☒ CEILING AIR TRANSFER GRILLE. SEE DRAWING FOR DIMENSIONS, NECK SIZE AND LOCATION.
- Ⓣ THERMOSTAT. SEE DRAWING FOR LOCATION.

**ABBREVIATIONS**

VTR	VENT TO ROOF	AHU	AIR HANDLING UNIT
VTW	VENT TO WALL	EXP	EXHAUST FAN
VTRJ	VENT TO ROOF JACK	CFM	CUBIC FEET PER MINUTE
SW	SIDE WALL GRILLE AT 6" BELOW CLG.	KW	KILOWATTS
CU	CONDENSING UNIT	FLA	FULL LOAD AMPS
T.A.	TRANSFER AIR GRILLE	RA	RETURN AIR GRILLE

DATE: 10-11-2010  
SCALE: 1/4"=1'-0"  
DRAWN BY: Andrew Slack  
CHECKED BY:

**AMES BENNETT & ASSOCIATES**  
**ARCHITECTURE**  
OF PALM BEACH, FLORIDA

SHEET NO.  
**4.1**  
5 OF 12 SHEETS  
JOB NO.  
10-107

This document has been prepared by, or under the responsible supervision of

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ALL EXTERIOR WALLS MUST BE SEALED AND PAINTED