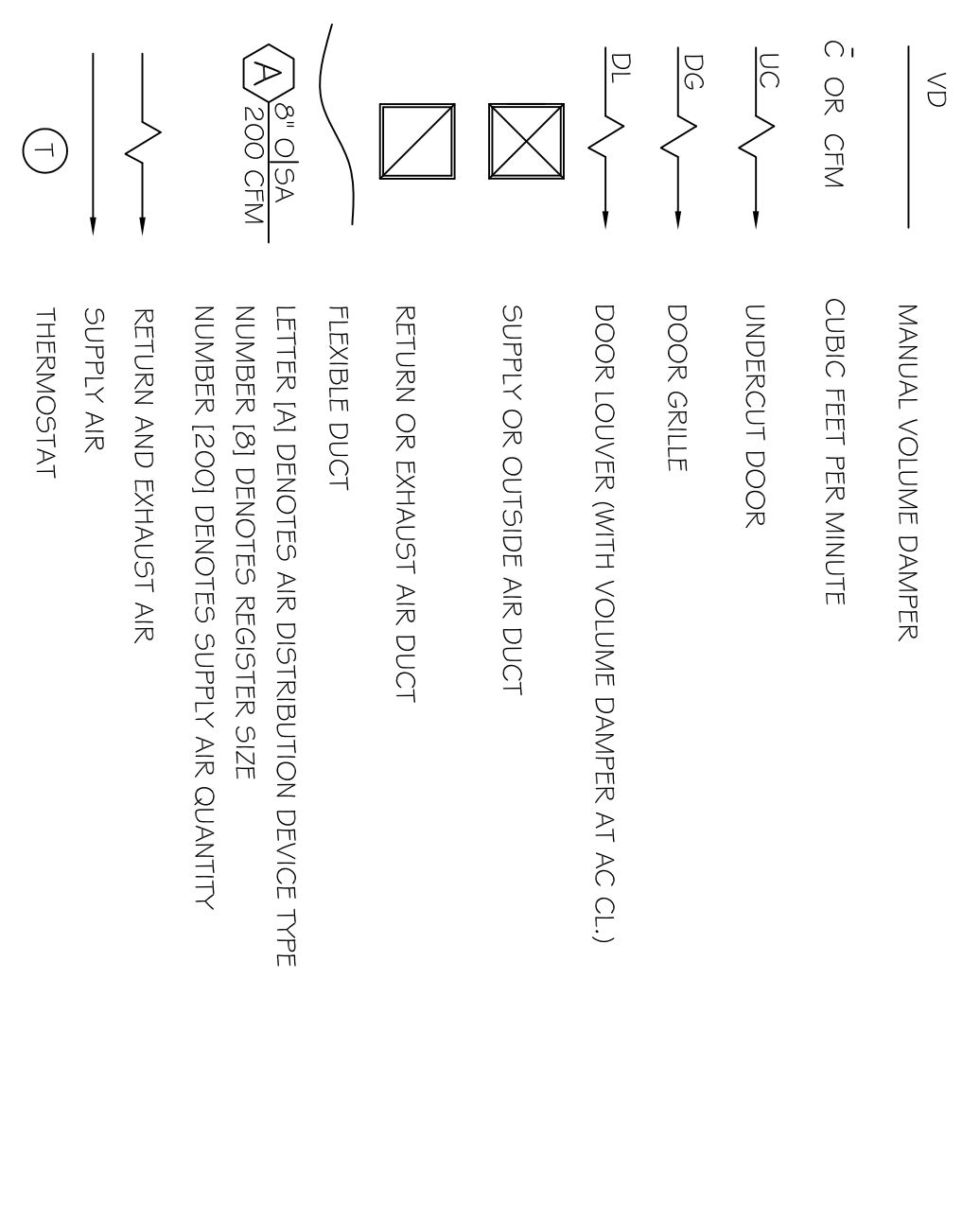


HVAC GENERAL NOTES

- GENERAL
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND WITH ALL APPLICABLE REGULATIONS.
 - DRAWINGS: REFER TO ALL DRAWINGS FOR COORDINATION OF THE HVAC WORK.
 - ARRANGE AND PAY FOR ALL PERMITS, LICENSES, INSPECTIONS AND TESTS. OBTAIN THE REQUIRED CERTIFICATES AND PRESENT TO OWNER.
 - GUARANTEE: THE COMPLETED INSTALLATION SHALL BE FULLY GUARANTEED AGAINST DEFECTIVE MATERIALS AND/OR IMPROPER WORKSMANSHIP FOR A MINIMUM OF ONE YEAR FOR MATERIALS AND LABOR. ALL COMPONENTS SHALL BE GUARANTEED FOR 5 YEARS MINIMUM.
- SHOP DRAWINGS: CONTRACTORS SHALL SUBMIT FOR APPROVAL, WITHIN 30 DAYS AFTER SIGNING CONTRACT, A MINIMUM OF FIVE COPIES OF FULLY DESCRIPTIVE DRAWINGS, INCLUDING BUT NOT LIMITED TO: PANS, AIR CONDITIONING UNITS, AIR OUTLETS. NO WORK SHALL PROCEED WITHOUT APPROVAL OF THESE SUBMITTALS.
- DESIGN PARAMETERS:
 - INDOOR DESIGN TEMPERATURE (SUMMER): 78°F DB
 - INDOOR DESIGN TEMPERATURE (WINTER): 70°F DB
- ALL THERMOSTATS SHALL HAVE HEATING MODE MAXIMUM SETTING OF 75 F, AND COOLING MODE MINIMUM SETTING OF 70 F. THE THERMOSTAT SHALL BE ARRANGED TO PREVENT THE SIMULTANEOUS OPERATION OF HEATING AND COOLING.
- ELECTRICAL CONTROLS AND POWER WIRING: UNDER ELECTRICAL CONTRACT.
- EQUIPMENT SPECIFIED BY MANUFACTURERS NUMBER SHALL INCLUDE ALL ACCESSORIES, CONTROLS, ETC., LISTED IN THE CATALOG AS STANDARD WITH THE EQUIPMENT. OPTIONAL OR ADDITIONAL ACCESSORIES SHALL BE FURNISHED AS SPECIFIED.
- MATERIALS:
 - REFRIGERANT PIPING: SHALL BE TYPE L, SOFT DRAWN, COPPER TUBING PER ASHRAE 15. REFER TO SET AS SHOWN ON DRAWINGS OR AS PER AIR CONDITIONING EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
 - INSULATION: REFRIGERANT SUCTION PIPING SHALL BE INSULATED WITH 1/2" THICK FOAMED PLASTIC INSULATION, FIRE RETARDANT TYPE. INSULATION SHALL BE INSTALLED IN PIPING BEFORE ASSEMBLY. NO SPLIT INSULATION WILL BE ACCEPTABLE. SEAL JOINTS WITH MANUFACTURERS APPROVED ADHESIVE AND GREY TAPE.
 - DUCTWORK:
 - ALL SUPPLY AIR DUCTWORK SHALL BE 1 1/2" THICK FIBERGLASS DUCTBOARD, FABRICATED AND INSTALLED AS PER LATEST EDITION OF SMACNA FIBROUS GLASS DUCT MANUAL, R-6.0 MIN.
 - ALL TOILET EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL DUCT NOT LIGHTER THAN 24 GAUGE.
 - ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS.
 - FLEXIBLE INSULATED DUCTWORK WITH 1 1/2" THICK FIBERGLASS INSULATION WITH FRK VAPOR BARRIER, R-6.0 MIN.
- CONTROLS: AIR CONDITIONING UNITS SHALL BE STARTED AND STOPPED THRU INDIVIDUAL THERMOSTAT. INDIVIDUAL PROGRAMMABLE THERMOSTATS SHALL START/STOP SUPPLY FANS AND ACTIVATE COOLING/HEATING SVS AS SELECTED.
- TEST AND BALANCE: CONTRACTOR SHALL TEST AND BALANCE ALL VENTILATION AND AIR CONDITIONING SYSTEMS. SUBMIT FOUR COPIES OF TEST AND BALANCE REPORT TO OWNER FOR APPROVAL.
- TEST AND BALANCE: CONTRACTOR SHALL TEST AND BALANCE ALL VENTILATION AND AIR CONDITIONING SYSTEMS. SUBMIT FOUR COPIES OF TEST AND BALANCE REPORT TO OWNER FOR APPROVAL.
- CLOTHES DRYER EXHAUST DUCTWORK:
 - CLOTHES DRYER EXHAUST DUCTWORK: MIN. 26 GAUGE SHEET METAL W/ SMOOTH INTERIOR SURFACES AND JOINTS RUNNING IN DIRECTION OF AIRFLOW. DO NOT USE SCREWS OR OTHER INTRUSIVE FASTENERS. MAKE SMOOTH JOINTS. DUCTWORK SHALL COMPLY WITH DRYER MANUFACTURERS RECOMMENDATIONS.

DUCT WORK SYMBOLS



DIFFUSER SCHEDULE

SYMBOL	USE	TYPE	ACCESSORIES	MFG. #	MODEL NO.
(A)	SUPPLY AIR	CEILING DIFFUSER	---	---	---
(B)	RETURN AIR	CEILING DIFFUSER	---	---	---
(C)	TRANSFER AIR	CEILING GRILLE	---	---	---

NOTE: ALL AIR DISTRIBUTION SHALL BE FINISHED WHITE ENAMEL.

HVAC KEY NOTES

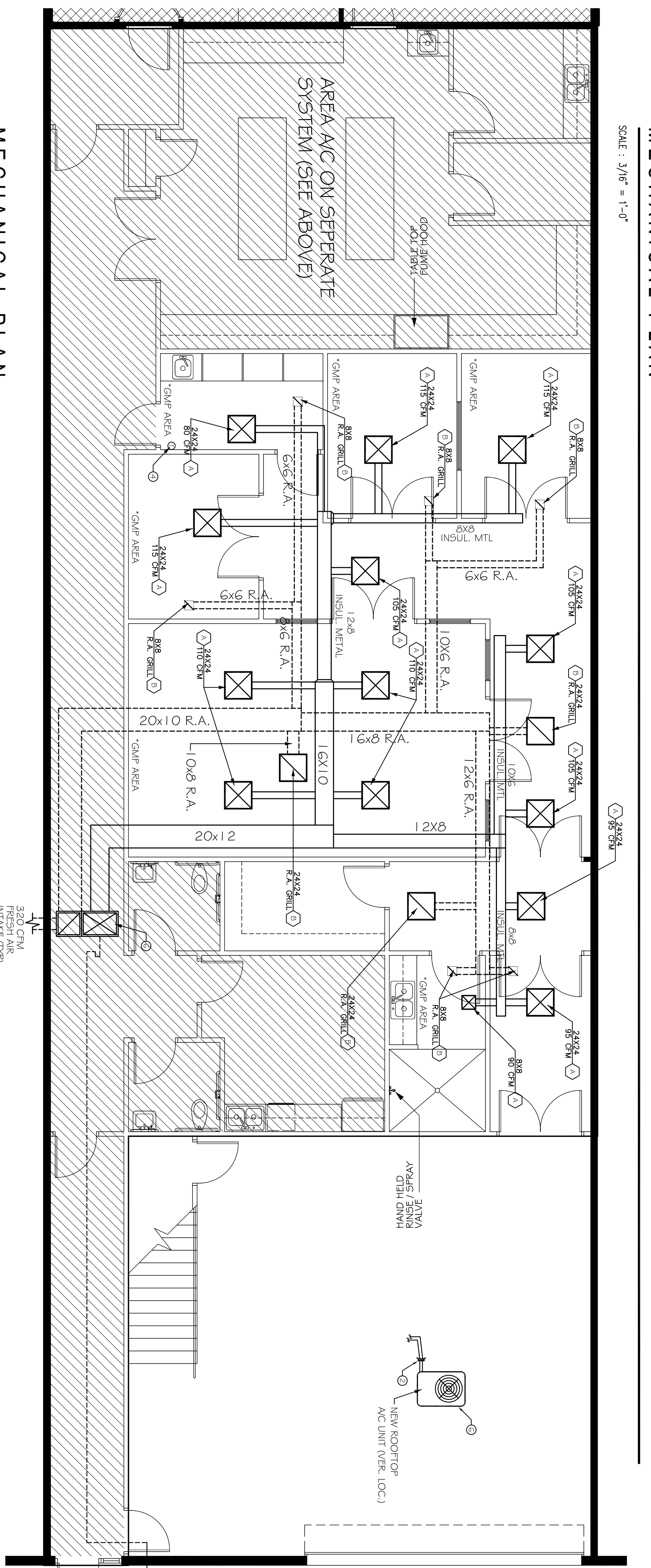
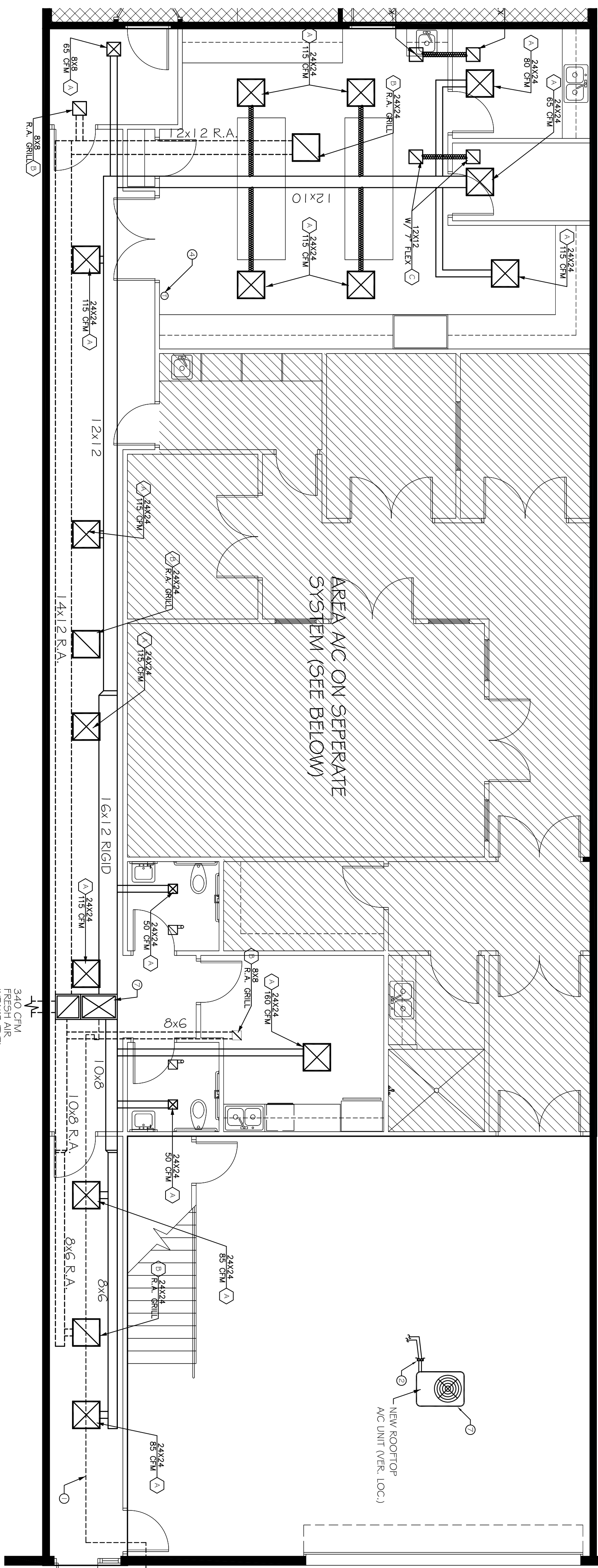
- CONDENSATE PIPE INSIDE PARTITION, FLOOR SPACE OR ATTIC. REF. PIPES UP BEHIND G.V., ENCLOSURE AND TO CEILING AND AIR HANDLING UNIT.
- 4"Ø TOILET EXHAUST DUCT TO ROOF CAP, W/MMS.
- THERMOSTAT
- 3/4" SCHEDULE 40 PVC CONDENSATE DRAIN PIPE ABOVE GROUND, RUN TO DRYWELL OR GASSY AREA, 2" UNDERGROUND TO GOOD DRAIN. SEPARATE MIN. 1/2" AIRWATER A.G.
- G.V.P. AREA AC SYSTEM: (PROVIDE HEPA DEEP FILTERED H-13 CLASS FILTRATION SYS. @ AHU)
- CONDENSING UNIT: MANU. TRANE XH14 MODEL: 4FB304DE1
- GENERAL AREA AC SYSTEM: MANU. TRANE XH14 MODEL: 4FB304DE1
- CONDENSING UNIT: AIR HANDLING UNIT: MANU. TRANE XH14 MODEL: 6AN5AC04M4 15A

BALANCING

ALL AREAS MARKED G.V.P. AREA SHALL BE TESTED AND BALANCED TO MAINTAIN POSITIVE AIR PRESSURE OF 0.05" WATER BETWEEN ADJACENT ROOMS

RETURN DAMPERS

ALL RETURN AIR (R.A.) GRILLES MARKED ON PLAN TO BE ADJUSTABLE DAMPERS FOR INDIVIDUAL ROOM BALANCING PURPOSES VERIFY W/ MECHANICAL CONTRACTOR



DATE: MAY 20, 2011
 JOB NO.: 11-0623
 DESIGN BY: K.D.Y.
 DRAWN BY: D.C.M.
 APPROVED: K.D.Y.
 REVISIONS:

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REMEDEX PHARMACEUTICAL
 BOCA INDUSTRIAL PARK
 BAY 508
 BOCA RATON, FL

PERMIT
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