						PROVAL.	PROVIDE SAMPLE WITH OFF-WHITE FINISH TO ARCHITECT FOR APPROVAL.	PROVIDE SAMPLE WITH OFF-WHITE FINISH TO ARCHITECT FOR APPROVAL.			
SEE NOTES	WHITE	ı	AG-35	LAY-IN	3	ALUMINUM	16X16	24X24	3F	TITUS	RC
SEE NOTES	WHITE	ı	AG-35	LAY-IN	3	ALUMINUM	14X14	24X24	3F	TITUS	RB
SEE NOTES	WHITE	ı	AG-35	LAY-IN	3	ALUMINUM	12X12	24X24	3F	TITUS	₽
SEE NOTES	WHITE	4 WAY	AG-75	LAY-IN	3	ALUMINUM	10"ø	12X12	TDC-AA	TITUS	ဂ
SEE NOTES	WHITE	4 WAY	AG-75	LAY-IN	3	ALUMINUM	8	12X12	TDC-AA	TITUS	8
SEE NOTES	WHITE	1 WAY	AG-75	SURFACE	_	ALUMINUM	6"ø	9X9	TDC-AA	TITUS	>
REMARKS	FINISH	THROW	DAMPER	MOUNTING TYPE	BORDER TYPE	MATERIAL	NECK	SIZE	MODEL	MAKE	MARK

THESE DRAWINGS ARE DIAGRAMMATIC. ALL OFFSETS, FITTINGS, TRANSITIONS AND ACCESSORIES ARE NOT SHOWN. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL ITEMS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. DO NOT SCALE DRAWINGS FOR INSTALLATION.

S/A

SUPPLY AIR

ට

CONDENSING

H

ABBREVIATIONS

R/A

RETURN AIR

MECHANICAL

GENERAL

NOTES:

- ALL WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER BY LICENSED CONTRACTORS.
- THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL NECESSARY FEES PERMITS, AND TESTS.

ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.

4.

ÿ

- CORRECTION OF DEFECTS TO THIS WORK SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER. REPAIR AND REPLACEMENT FOR DAMAGE CAUSED BY THIS CONTRACTOR SHALL BE MADE PROMPTLY WITHOUT CHARGE TO THE OWNER
- THE CONTRACTOR SHALL INCLUDE THE WORK OF ALL REQUIRED SUBCONTRACTORS, SUCH AS ELECTRICAL, INSULATING, TEST & BALANCE, ETC., AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION.

10.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READLY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.

THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE AGAINST DEFECTS IN ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM ACCEPTANCE, WITH FOUR ADDITIONAL YEARS OF WARRANTY ON COMPRESSORS.

- EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE ΕĦ
 - FD EXISTING EXHAUST FAN FIRE DAMPER
 - CUBIC FEET PER EXHAUST AIR OUTSIDE AIR MANUAL VOLUME DAMPER (OPPOSED BLADE TYPE). † (‡ A 150 Θ

M

CFM

E/A

0/A

- AIR HANDLING UNIT
- AS NOTED EXISTING
- LEGEND

- STYLE B FIRE FLEXIBLE DUCT, U.L. CLASS

EXISTING ROOF STRUCTURE

NEOPRENE PAD TYP, ALL CORNERS, 1/2" THK

EXISTING ROOF STAND

UNITS ARE TO BE SEPARATED FROM ADJACENT UNITS AS RECOMMENDED BY THE MANUFACTURER. PROVIDE A MINIMUM OF 18 INCHES.

SUPPORT

PROVIDE FLOAT SWITCH IN THE EMERGENCY DRAIN PAN FOR UNIT.

PROVIDE 36" CLEARANCE ALL ACCESS PANELS

2X2 UNISTRUT SUPPORTS, PAINT ALL CUT ENDS

1-1/2" PAN STRAPPED TO AHU OR TO UNISTRUT SUPPORTS

SPRING & NEOPRENE VIBRATION ISOLATORS

0

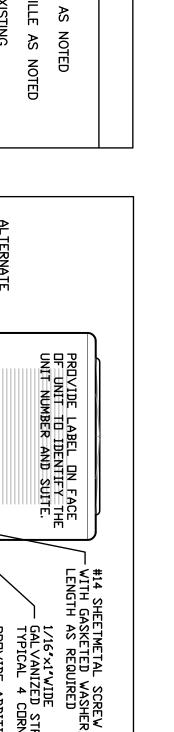
SMOKE DETECTOR
- AS REQUIRED IN .
SUPPLY DUCT

HORIZONTAL N.T.S.

A.H.U.

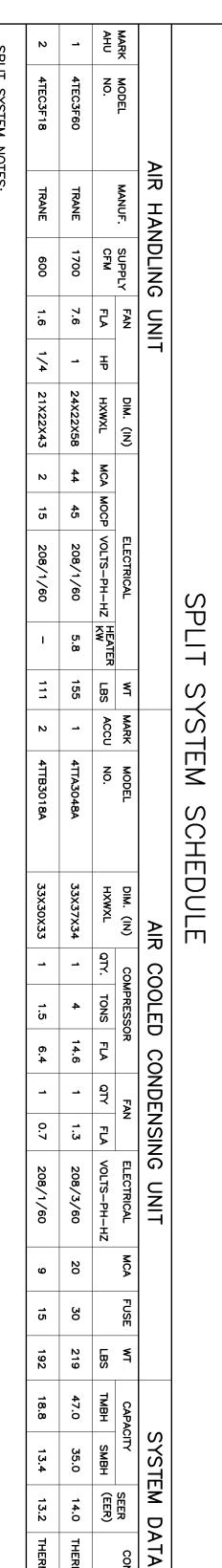
DETAIL

- RETURN/TRANSFER GRILLE AS NOTED SUPPLY AIR DIFFUSER AS NOTED
- PROGRAMMABLE THERMOSTAT/HUMIDISTAT
- CONNECTION TO EXISTING DAMPER CONDENSING N.T.S.



1/16"x1"WIDE - GALVANIZED STRAP TYPICAL 4 CORNERS

PROVIDE ADDITIONAL UNISTRUT CROSS MEMBERS AS REQUIRED DEPENDING ON UNIT SIZE. PRIME AND PAINT CUT EDGES.



SYSTEM

OUTSIDE AIR DESIGN CONDITIONS: 91°FDB — 79°FWB.
PROVIDE A/C UNITS WITH HEATING, COOLING & DEHUMIDIFYING WALL MOUNT CONTROLLER (SEE GENERAL NOTE 26)
SIZE AND RUN REFRIGERANT PIPING PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
PROVIDE PROPER VIBRATION ISOLATORS PER ISOLATION MANUFACTURER'S RECOMMENDATIONS.

INSULATE REFRIGERANT SUCTION LINE WITH 3/4" INSTALL CHEMICAL DRYER AND STRAINER IN REFIPROVIDE BUILT-IN DISCONNECT WITH AIR HANDLIPROVIDE MANUFACTURERS STANDARD FILTER RAC ." FIRE RETARDANT IFRIGERANT LIQUID LI LING UNIT. CK UPSTREAM OF R R/A OPENING

FILTER

OPEN OFFICE 109 10"ø 10"ø

17.

21.

CONDENSATE DRAIN PIPING SHALL BE SCHEDULE 40 PVC. INSULATE ALL CONDENSATE PIPING.

PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS DUCTED TO EXTERIOR

PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.

THERMOSTAT TO BE 5-1-1 PROGRAMMABLE WITH HUMIDITY SENSOR AND HUMIDITY CONTROL, WHITE ROGERS MODEL 1495-1291 OR EQUAL. VERIFY ALL THERMOSTAT LOCATIONS WITH THE LANDLORD.

LOW PRESSURE SUPPLY AND RETURN DUCTWORK IS RIGID DUCTBOARD WITH VAPOR BARRIER, 1 IN. THICK, R-4.2 INSULATION, EXCEPT AS NOTED.

FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R-6 INSULATION.

ALL EXHAUST AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.

AREA TYPE
SQUARE FEET OF AREA
CFM/SQ.FT. REQUIRED

MARK

OUTSIDE

AIR CALCULATIONS

TOTAL OCCUPANTS

CFM/PERSON REQUIRED

SUBTOTAL

(FOR MAX

Zp)

ABOVE CALCULATIONS RATES PER ASHRAE

62.1, 2007.

MOTORIZED/ADJUSTABLE DAMPER TO BE INTERLOCKED WITH AHU FAN MOTOR. DAMPER IS TO CLOSE WHEN FAN IS OFF, AND OPEN TO ADJUSTABLE O/A SETTING WHEN FAN RUNS.

EXISTING OUTSIDE AIR CEILING, FIELD VERIFY

DUCT IN CORRIDOR EXACT LOCATION.

REFRIGERANT PIPING UP TO ROOF THROUGH EXISTING CHASE. FIELD VERIFY CHASE LOCATION WITH LANDLORD.

CONDENSING UNIT ON EXISTING ROOF RACK.
COORDINATE EXACT LOCATION WITH LANDLORD.

DRAWING

KEYNI

OTES:

ZONE CFM REQUIRED

CONFER. OFFICE
246 804
0.06 0.06
13 5
5 5
80 88
80 88
0.23 0.07
0.9

ALL OUTSIDE AIR DUCTWORK SHALL BE SHEETMETAL WITH EXTERIOR INSULATION. PROVIDE BLANKET TYPE INSULATION IN CONCEALED SPACES, AND BOARD TYPE IN EXPOSED AREAS, MATCH EXISTING CONDITIONS.

20.

19.

ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.

ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS AND LOCAL BUILDING CODES.

ALL GRILLES TO BE TITUS OR METALLAIRE UNLESS OTHERWISE NOTED, SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.

15.

SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED.

NOTE: DO NOT PROVIDE DUCT TAKE—OFF WITH VOLUME DAMPER ABOVE INACCESSIBLE CEILINGS, PROVIDE DAMPER AT DIFFUSER.

CEILING DIFFUSER DETAIL

CEILING DIFFUSER

INISHED CEILING

PRIOR TO ACCEPTANCE BY THE OWNER THE SYSTEMS SHALL BE TESTED AND BALANCED BY THE CONTRACTOR. PROVIDE A WRITTEN REPORT.

THE HVAC CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, ON SITE, A DETAILED AS—BUILT PLAN SHOWING ACTUAL INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE A NEATLY DRAWN COMPREHENSIVE AS—BUILT SET OF PLANS UPON COMPLETION, WHICH ARE SUITABLE FOR SUBMISSION TO THE BUILDING DEPARTMENT AND TO THE OWNER.

PROVIDE ALL CONTROLS, STARTERS, CONTROL WIRING, DISCONNECTS, AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

COMPRESSION FITTING PROVIDE REDUCER WHEN DUCT SIZE IS SMALLER THAN DIFFUSER NECK

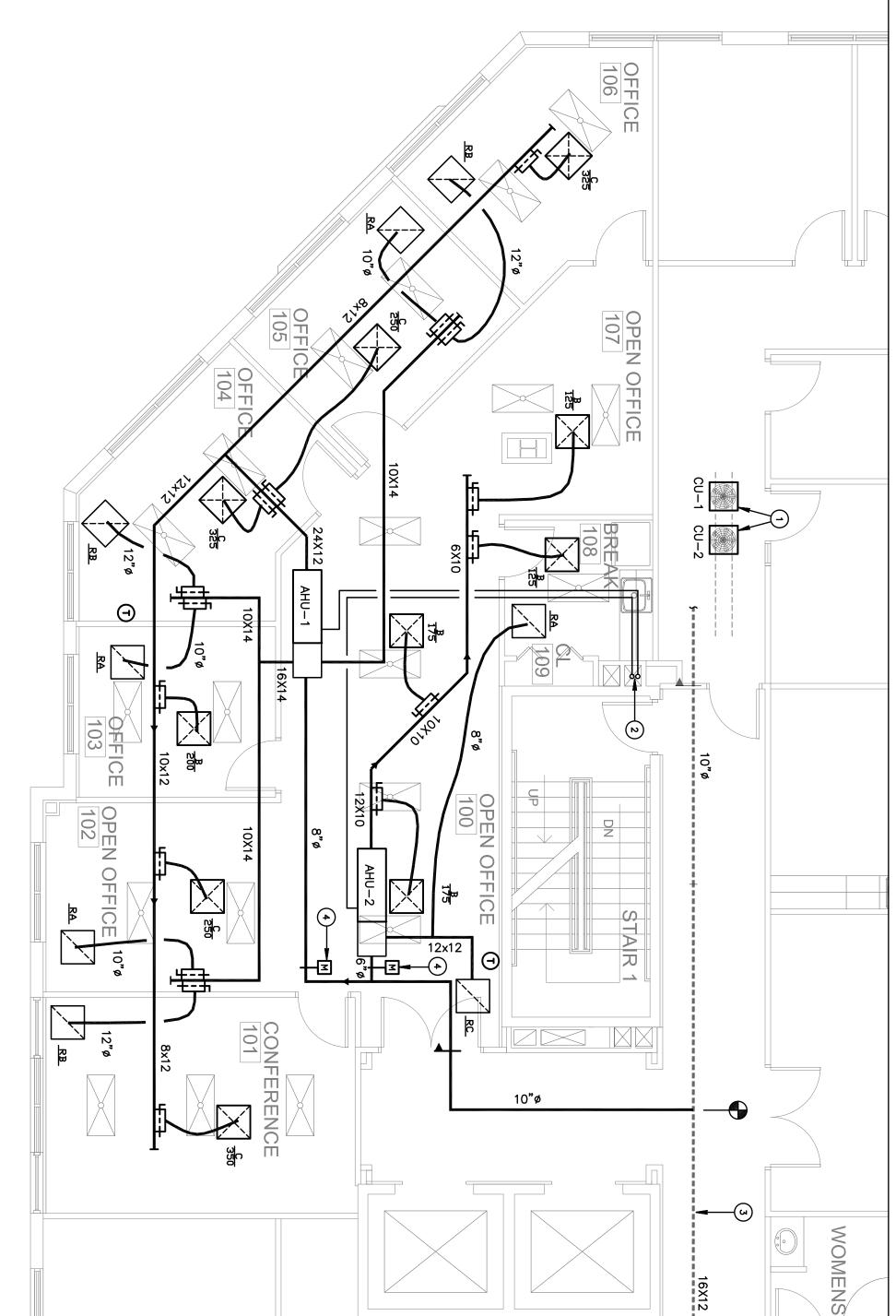
STARTING W/M.V.D.

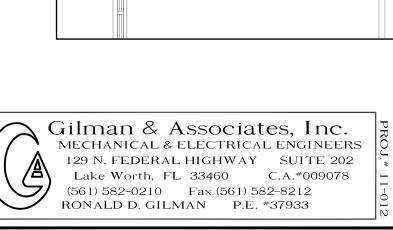
DUCT STRAP SUPPORT EVERY 48" OC AND AT EACH ELBOW MINIMUM OF 1 REQUIRED

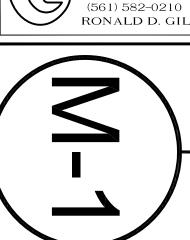
FLEXIBLE DUCTWORK

THE CONTRACTOR SHALL PROVIDE THREE COPIES OF SUBMITTAL DATA, SHOP DRAWINGS, AND AT COMPLETION OF THE PROJECT TWO SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL PROJECT ITEMS.

COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS.







(PROPOSED) FLOOR PLAN -

-IVAC

DRAWN BY 05/05/11 CD DR.

REVISIONS

SPEC SUITE #210

GARDENS POINTE PALM BEACH GARDENS, FL 33410

3507 KYOTO GARDENS DR PROJECT NUMBER GP11

5300 woodland lakes drive palm beach gardens, fl 33418 phone 561-249-4001 fax 772-409-8684 AA26001615

birse design inc.

RETURN AIR PLENUM, LENGTH AS REQUIRED FOR DUCT CONNECTIONS

3/8" THREADED RODS, VERIF ATTACHMENT TO STRUCTURE WITH ARCHITECT

