IAQ – VENTILATION DESIGN CRITERIA

AC UNIT	SERVING AREA	OCCUPANCY / AREA	VENTILATION RATE CFM/SQFT	VENTILATION RATE CFM/PERSON	VENTILATION REQUIRED CFM	VENTILATION PROVIDED CFM
AC#1	GR. FL.	3P/1315SF	--	15	45	45
TYPICAL PTAC-1	2ND. FL. UNITS 2 & 3.	2P/230SF	--	15	30	30
TYPICAL PTAC-2	2ND. FL. UNITS 2 & 3.	2P/320SF	--	15	30	30

NOTES:
1. DESIGN BASED ON THE VENTILATION RATE PROCEDURE PER F.B.C.MECH. (TABLE 403.3).
2. THE DESIGN WILL NEED TO BE RE-EVALUATED IF, AT A LATER TIME, CHANGES OCCUR IN THE USAGE OF THE SPACE, OR IF UNUSUALLY STRONG SOURCES OF SPECIFIC CONTAMINANTS ARE INTRODUCED INTO THE SPACE.

HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR	X	–
FIRE DAMPER(S)	X	–
SMOKE DAMPER(S)	–	X
FIRE RATED ENCLOSURE	X	–
FIRE RATED ROOF/ FLOOR CEILING ASSEMBLY	–	X
FIRE STOPPING	X	–
SMOKE CONTROL	–	X

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CONDENSATE PUMP SCHEDULE

AIR HANDLER UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP, MODEL : 6TVCMA21ULST; THERMALLY PROTECTED; 1.5 A; 110 V.

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DUCT
	RETURN/EXHAUST DUCT
	FLEXIBLE DUCT
	ELBOW W/ TURNING VALVES
REF. G&L	REFRIGERANT GAS & LIQUID LINES
CD	CONDENSATE LINE
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
EF #	CEILING EXHAUST FAN # CFM
T	COOLING THERMOSTAT
SD	DUCT MOUNT SMOKE DETECTOR WITH REMOTE AUDIBLE & VISUAL ALARMS.
X A X B #	X: AIR DEVICE TYPE AXB: NECK SIZE # CFM
UC	DOOR UNDERCUT
SA	SUPPLY AIR
RA	RETURN AIR
CFM	CUBIC FEET PER MINUTE
PTAC	PACKAGE TERMINAL AIR CONDITIONER UNIT
AHU	AIR HANDLER UNIT
CU	CONDENSER UNIT
VD	VOLUME DAMPER
MOT	MOTORIZED DAMPER

PTAC UNIT SCHEDULE

	UNIT DESIGNATION	TYPICAL PTAC #1	TYPICAL PTAC #2
	LOCATION/MOUNTING 1	THRU WALL	THRU WALL
PACKAGE TERMINAL AIR CONDITIONER	DESIGN MANUFACTURER BASE ON CARRIER INFINITY SERIES	FRIEDRICH	FRIEDRICH
	MODEL NO.	PDH09K	PDH15K
	EER / COP/ HPSF	12.1 / 3.5 / 7.4	12 / 3.4 / 7.4
	COOLING/HEATING, WATTS	775/695	1390/1255
	AIR FLOW H/L CFM	355/300	400/325
	OUT SIDE AIR (O/A, CFM)	30	75
	HEAT PUMP, MBH	8.3	13.3
	TOTAL CAPACITY, MBH	9.4	14.9
	TOTAL SENSIBLE CAPACITY, MBH	7.1	10.2
	ENTERING AIR TEMP. F °DB/WB	75 / 63	75 / 63
	ELECTRICAL SERVICE	208-240/1/60	208-240/1/60
	CURRENT, AMPS	3.7	6.7
	COMPRESSOR LRA/RLA	19.5/3.5	28.9/5.9
	OUTDOOR FAN MOTOR, HP	0.080	0.086
	OPERATING WEIGHT, LBS.	120	124
	UNIT DIMENSIONS W X H X D (IN)	42" X 16" X 22"	42" X 16" X 22"
	R-410A CHARGE (oz)	36	36

NOTES:
1. PROVIDE WALL SLEEVE AND DRAIN KIT
2. PROVIDE EXTERIOR ALUMINUM GRILLE.

SPLIT A/C UNIT SCHEDULE

AIR HANDLER UNIT	UNIT DESIGNATION	AHU #1				
	LOCATION	GROUND FL. VERTICAL				
	DESIGN MANUFACTURER	CARRIER				
	MODEL NO.	FX4DNF049				
	SEER / EER	14.5/				
	TOTAL AIR, CFM (NOMINAL)	1600				
	OUTDOOR AIR, CFM	SEE VENTILATION DESIGN CRITERIA				
	EXT. STATIC PRESS., INCHES OF H2O	0.4				
	FAN MOTOR FLA – HP	6.0 – 3/4				
	ELECTRIC HEAT, KW, MCA, MOCP	6.0, 25.7, 35				
	TOTAL CAPACITY, MBH	43.5				
	TOTAL SENSIBLE CAPACITY, MBH	33.8				
	ENTERING AIR TEMP. °F DB/WB	80/67				
	COIL AREA (sq.ft)	--				
	ELECTRICAL SERVICE	208-240/1/60				
	OPERATING WEIGHT, LBS.	185				
	UNIT DIMENSIONS DXWXH (IN)	22 X 25 X 54				
AIR COOLED CONDENSING UNIT	UNIT DESIGNATION	CU #1				
	DESIGN MANUFACTURER	CARRIER				
	MODEL NO.	24ABB348A				
	NOMINAL CAPACITY (TONS)	4.0				
	TYPE OF FAN	PROPELLER				
	NO. OF FANS, FLA – HP	1, 1.4 & 1/4				
	AMBIENT AIR TEMP., DB °	95°				
	CONDENSING TEMP., F DB°	--				
	NO. OF COMPRESSORS	1/SCROLL				
	COMPRESSORS R.L.A. / L.R.A.	19.9 / 109.0				
	CAPACITY REDUCTION	--				
	MCA/MOCP	26.2 / 40				
	ELECTRICAL SERVICE	208-240/1/60				
	OPERATING WEIGHT,LBS.	186				
	UNIT DIMENSIONS LXWXH (IN)	32 X 32 X 36				
	REF. LINE GAS,	REF. TYPE	CHARGE (lb-oz)	7/8	R-410A	--
	REF LINE LIQUID			3/8		

NOTES:
1. CONDENSING UNIT LINE VOLTAGE – AIR HANDLER AVAILABLE ONLY IN 208/230-1-60.
2. ALL THERMOSTATS SHALL BE PROGRAMABLE TYPE.
3. UNITS RATED WITH 25FT OF LINESET LENGTH. SEE VAPOR LINE SIZING & COOLING CAPACITY LOSS TABLE WHEN USING OTHER SIZES/LENGTHS.
4. ALL EXTERIOR COILS TO BE COATED.
5. HIGH EFFICIENCY ECM BLOWER MOTOR – FIVE (5) SPEED.

NOTE: CONDENSER UNIT SHOULD BE INSTALLED OBSERVING MANUFACTURER SERVICE CLEARANCES.

NOTE: CONDENSER UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT

BATHROOM FAN SCHEDULE

	UNIT DESIGNATION	EF-1
	AREA SERVED	BATHROOM
	OPERATING WEIGHT, LBS	12
	LOCATION	CEILING
	FAN TYPE	EXHAUST
FAN	TOTAL AIR, CFM	80 – 65
	DRIVE TYPE	DIRECT
	FAN WHEEL TYPE	CENTRIFUGAL
	WITH LIGHT	NO
	FAN SPEED, RPM	---
	TOTAL STATIC PRESSURE, IN OF W.C.	0.10" – 0.25"
	FAN MOTOR (AMPS/WATTS)	0.30/10.8
	FAN MOTOR TYPE	DC
	STARTER FURNISHED BY	MC
	ELECTRICAL SERVICE	120-1-60
	UNIT DIMENSIONS WXLXH (IN)	10X10X8
	SONES	0.3
	DESIGN MANUFACTURER	DELTA
	MODEL NUMBER	SIG80
ACCESSORIES	SERVICE SWITCH	YES
	DUCT SIZE	4"ø
	FIRE DAMPER	---
	CONSTRUCTION	ALUM/PLASTIC
	BACKDRAFT DAMPER	YES
	ROOF JACK/BIRDSCREEN	NO
	SOLID STATE SPEED CONTROL	YES
	THERMOSTAT CONTROL	NO
	FACTORY FABRICATED CURB	NO
	FILTER AND FILTER FRAME	NO

AIR DISTRIBUTION SCHEDULE

SYMBOL	USE	TYPE	ACCESORIES	DESIGN MANUFACTURER & MODEL
A	SUPPLY AIR	SIDE WALL REGISTER	O.B.D.	TITUS 300 FS
B	RETURN AIR	CEILING OR WALL GRILLE	---	TITUS 350 FL

NOTE:
1. ALL AIR DISTRIBUTION DEVICES SHALL BE ALL ALUMINUM CONSTRUCTION.
2. COORDINATE COLOR FINISH WITH ARCHITECT, WHITE BAKED ENAMEL STANDARD.
3. ARROWS INDICATE DIRECTION OF AIR DISTRIBUTION.
4. PROVIDE SELECTION BASED ON A MAXIMUM RADIATED NOISE OF NC-19 MAXIMUM.

1 HVAC *SCHEDULES PLAN*
SCALE : N.T.S.

HVAC NOTES:

GENERAL NOTES:

1. ALL MECHANICAL SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE NFPA STANDARDS, ANSI STANDARDS, THE LOCAL BUILDING CODE, NOISE & HEIGHT ORDINANCES, PLANS AND SPECIFICATIONS.
2. ALL MATERIALS SHALL BE NEW AND ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, PRODUCT APPROVAL, RULES AND ORDINANCES, ANY DAMAGED EQUIPMENT SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, ACCESS PANELS, CONTROL SYSTEMS, DEVICES, PERMITS AND SERVICES NECESSARY FOR FURNISHING AND INSTALLING A COMPLETE OPERABLE MECHANICAL SYSTEM.
4. ALL LOUVERS, GRILLES, PIPING, ETC. SHALL BE PAINTED TO MATCH SURROUNDING COLOR AND TEXTURES AS REQUIRED BY ARCHITECT. VERIFY COLOR AND TEXTURE WITH ARCHITECT. PAINT ALL EXPOSED MECHANICAL EQUIPMENT WITH BENJAMIN MOORE EPOXY ENAMEL 182.
5. ALL CUTTING, PATCHING, STRUCTURAL STEEL, WEATHER PROOFING, PAINTING, AND WALL OPENINGS SHALL BE BY THE GENERAL CONTRACTOR.
6. ALL OPENINGS IN BUILDING STRUCTURE, FOR DUCTWORK, PIPING, ETC. TO BE 1/2" LARGER (ON ALL SIDES) THEN THE OUTSIDE DIMENSIONS. FILL VOIDS WITH FIRE RETARDANT SILICONE FOAM (I.E. CHASE-FOAM CTC PR-855 BY CHASE TECHNOLOGY CORP.).
7. BUILDING HVAC CALCULATIONS ARE BASED ON THE FOLLOWING:
   A. INDOOR DESIGN: SUMMER 75 DDB/50% RH, WINTER 70 DDB.
   B. OUTDOOR DESIGN: SUMMER 95 DDB/79 DWB, WINTER 46 DDB.
   C. BUILDING CONDITIONS:
      GLASS U VALUE 1.25
      GLASS S.C. 0.75
      WALL U VALUE 0.20
      ROOF U VALUE 0.05
8. ALL STORAGE ROOMS, TOILETS, ETC. , WILL HAVE UNDERCUT DOORS TO PROVIDE VENTILATION REQUIRED WHEN DOOR OR TRANSFER GRILLES ARE NOT SHOWN. IF APPLICABLE.
9. PROVIDE THERMOSTAT CONTROL OF ALL FANS THAT EXHAUST MECHANICAL AND ELECTRICAL ROOMS. IF APPLICABLE.
10. PROVIDE FLEXIBLE DUCT CONNECTORS, RATED AS REQUIRED, TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT.
11. PROVIDE MAINTENANCE AND OPERATION MANUAL ON ALL MECHANICAL EQUIPMENT OR SYSTEMS. PROVIDE 5 SETS OF SUBMITTALS ON ALL HVAC EQUIPMENT. SUBMITTALS SHALL HAVE A SUMMARY SHEET SHOWING ALL SCHEDULED INFORMATION.
12. HVAC CONTRACTOR WILL WARRANTY ALL MECHANICAL SYSTEMS, DUCTWORK, THERMOSTATS, AND ALL OTHER EQUIPMENT,PARTS AND LABOR UNDER THESE DRAWINGS AND SPECIFICATIONS FOR A PERIOD OF ONE (1) YEAR AFTER C.O. OF BUILDING. ANY REPAIRS REQUIRING SYSTEM SHUT DOWN WILL BE DONE DURING NON OPERATIONAL PERIODS.

MECHANICAL EQUIPMENT NOTES:

1. ALL MECHANICAL EQUIPMENT SHALL BE ARI & U.L. LISTED WHERE APPLICABLE AND RATED FOR THE REQUIRED SERVICE, PRESSURES, TEMPERATURES, AND SHALL BE PROVIDED WITH ALL NECESSARY TRANSFORMERS, SEALS, VALVES, CONNECTIONS, ETC. TO FUNCTION PROPERLY.
2. PROVIDE SMOKE DETECTORS WITH ACCESS DOORS IN ALL SUPPLY AIR DUCTS FOR FAN AND AHU'¾ SERVING A COMMON PLENUM OF 2000 CFM OR ABOVE. ALL SMOKE DETECTORS SHALL BE BY ONE MANUFACTURE. COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM BEFORE ORDERING. UPON DETECTION, SMOKE DETECTORS SHALL SHUT DOWN ASSOCIATED AIR MOVING EQUIPMENT AND ALL AIR MOVING EQUIPMENT SERVING THAT COMMON PLENUM.
3. PROVIDE TYPE "B" FIRE DAMPERS IN ALL DUCTS OR OPENINGS PENETRATING FIRE RATED WALLS, MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS. TENANT SEPARATION, PARTITIONS, FLOORS OR ROOF SLABS AND AT FRESH AIR INTAKES (SEE ARCHITECTS PLANS FOR RATINGS). PROVIDE RADIATION DAMPERS IN RATED CEILINGS FOR ALL CEILINGS OPENINGS, CEILING FANS, DIFFUSERS OR GRILLES RATED FOR USE IN THE CEILING ASSEMBLY AS SPECIFIED BY ARCHITECT. IF APPLICABLE.
4. PROVIDE BACK DRAFTS DAMPERS ON ALL EXHAUST FANS AND/OR IN-LINE FANS.
5. PROVIDE VIBRATION ISOLATORS ON ALL MECHANICAL EQUIPMENT AS CALLED FOR IN THE SPECIFICATIONS. IF NOT SPECIFIED, AS RECOMMENDED BY MANUFACTURER FOR QUIET OPERATION (WITH 99% ISOLATION EFFICIENCY).
6. PROVIDE A MIN. OF 10' CLEARANCE BETWEEN O/A INTAKES AND VTR OR EXHAUST OPENINGS.
7. THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER, ENGINEER AND ARCHITECT/INTERIOR DESIGNER BEFORE INSTALLATION.
8. RUN INSULATED FIRE RATED CONDENSATE DRAINS AS PER MECHANICAL DRAWINGS. IF APPLICABLE.
9. MOUNT ALL ROOFTOP EQUIPMENT FOR WIND LOADS AND MOUNTING HEIGHTS AS REQUIRED BY LOCAL CODES. ALL CURBS SHALL EXTEND 8" MIN. ABOVE FINISHED ROOF.
10. PROVIDE STRANDED COPPER CONTROL WIRING.
11. ALL PIPING AND DUCTWORK SHALL BE SLEEVED THRU WALLS, BEAMS, SLABS, ETC, AS REQUIRED AND COORDINATED WITH THE STRUCTURAL ENGINEER. REWORK BAR JOIST CROSS BRACING AND PROVIDE NECESSARY TRANSITIONS AS REQUIRED FOR DUCTWORK INSTALLATION.
12. ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 25/50.
13. PROVIDE A MIN. OF 3' CLEARANCE IN FRONT OF ALL 120-240 VOLT PANELS AND 4' CLEARANCE IN FRONT OF 480 VOLT PANEL. PROVIDE ADEQUATE SIDE CLEARANCE PER NEC.
14. PROVIDE MOTOR STARTERS AS FOLLOWS (UNLESS OTHERWISE RECOMMENDED BY MOTOR / EQUIPMENT MANUFACTURER):
   A: PROVIDE OVERLOAD PROTECTION – 1/3 HP AND ABOVE (ALL PHASES).
   B: PROVIDE REDUCED VOLTAGE STARTING 25 HP AND ABOVE.
   C: PROVIDE ACROSS THE LINE VOLTAGE STARTING BELOW 25 HP.
15. ALL OUTDOOR EQUIPMENT SHALL COMPLY WITH LOCAL ZONING NOISE ORDINANCES OR NOT EXCEED A NOISE LEVEL OF 65 DB AS MEASURED RADIALLY 30 FEET FROM THE EQUIPMENT IN ALL DIRECTIONS.
16. FOR ALL BELT DRIVEN AHU'S PROVIDE ONE SET OF ADJUSTABLE PULLEY'S FOR PRELIMINARY BALANCE, AND REPLACE WITH FIXED PULLEYS AFTER FINAL FAN RPM BEEN SET.
17. VERIFY WITH ARCHITECT ALL LOCATIONS OF LOUVERS, GRILLES, SWITCHES, ACCESS PANELS ETC... BEFORE INSTALLATION.

AIR DISTRIBUTION / DUCTWORK NOTES :

1. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
2. PROVIDE OFF WHITE FINISH (SUBJECT TO ARCHITECT'S APPROVAL).
3. USE SPIN IN COLLAR WITH VOLUME DAMPER AT TRUNK TO FLEX DUCT CONNECTION. (SEE DETAIL)
4. ALL DUCTWORK WHERE ALLOWED BY LOCAL CODES AND CEILING RATING SHALL BE AS FOLLOWS:
   A. SUPPLY AIR – RIGID FIBER GLASS DUCT BOARD 1-1/2" THICK (R-6) INSULATION. OPERATING STATIC PRESSURE ±2 IN. WG. (500 PA)
   B. RETURN AIR – SAME AS SUPPLY AIR DUCT WORK.
   C. EXHAUST AIR – MINIMUM 30 GAGE, GALVANIZED METAL OR MINIMUM 26 GAGE ALUMINUM.
   D. OUT SIDE AIR – NOT LIGHTER THAN 30 GAGE, GALVANIZED METAL OR 26 GAGE MINIMUM ALUMINUM INSULATED (R-6).
   E. DRYER DUCTWORK: 26 GA. MIN. GALVINIZED STEEL, HAVING A SMOOTH INTERIOR SURFACE WITH JOINTS RUNNING IN THE DIRECTION OF AIRFLOW AND WITHOUT SHEET METAL SCREWS OR OTHER FASTNERS IN THE AIR STREAM. MAXIMUM LENGTH SHALL NOT EXCEED 25 FEET. WALL CAPS SHALL BE PROVIDED WITH BACKDRAFT DAMPER. NO SCREEN. IF APPLICABLE.
5. ALL DUCTWORK AND DIFFUSERS SHALL BE RATED FOR THE USE, PRESSURE AND TEMPERATURE SPECIFIED AND AS REQUIRED BY THE CEILING SYSTEM RATING.
6. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH "SMACNA" STANDARDS AND LOCAL BUILDING CODES.
7. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
8. SEAL ALL DUCTS, JOINTS AND SEAMS IN AN APPROVED MANNER AND INSURE AGAINST LEAKAGE.
9. PROVIDE ACCESS DOORS AS REQUIRED FOR ALL MECHANICAL EQUIPMENT TO SERVICE AND VISUALLY CHECK ROTATION OF FANS AND MOTORS, POSITION OF DAMPERS, REPLACE FIRE DAMPER LINKS, ADJUST OR REPLACE CONTROLS, ETC.
10. PROVIDE VANED ELBOWS IN ALL CASES, SPLITTER DAMPERS WHERE INDICATED ON DRAWINGS AND VOLUME CONTROL DAMPERS IN ALL BRANCH DUCTS OR DIFFUSER CONNECTIONS.
11. TERMINAL AIR DISTRIBUTION DEVICES SHALL BE AS FOLLOWS: CEILING DIFFUSER: EQUIV. TO TITUS AS SPECIFIED IN AIR DISTRIBUTION SCHEDULE; RETURN REGISTER: EQUIV. TO TITUS AS SPECIFIED IN AIR DISTRIBUTION SCHEDULE (NEW AC DIFF/GRILLES SHALL MATCH EXISTING; IF APPLICABLE).
12. FILTERS SHALL BE IN PLACE DURING CONSTRUCTION. PROVIDE A NEW SET PRIOR TO TEST AND BALANCE AND A FINAL SET AT THE END OF ONE YEAR SERVICE PERIOD. IF APPLICABLE.
13. AIR QUALITY SHOULD BE TESTED BEFORE OCCUPANCY AND SHOULD BE INSTRUMENTED AND MONITORED THEREAFTER, OR AT LEAST AT REGULAR INTERVALS
14. TEST AND ADJUST SUPPLY AND RETURN AIR TEMPERATURES TO BE WITHIN 5% OF DESIGN REQUIREMENTS.
15. INDEPENDENT CONTRACTOR SHALL TEST AND BALANCE ALL MECHANICAL EQUIPMENT AIR DEVICES, EXTRACTORS, DAMPERS, AHU'S & FAN RATES, ETC. TO PROVIDE THE DESIGN QUANTITIES AS SHOWN ON THE PLANS OR SCHEDULES. PROVIDE T & B REPORT IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS, SIGNED AND SEALED BY A REGISTERED FLORIDA ENGINEER. PROVIDE FINAL BALANCING FOR ALL SYSTEMS TO SATISFACTION OF OWNER AND ENGINEER.T & B CONTRACTOR SHALL VISIT JOB SITE DURING CONSTRUCTION TO ENSURE THAT ALL DUCTS, DAMPERS, ETC. ARE INSTALLED FOR PROPER AND QUIET AIR DELIVERY.

COORDINATION NOTES:

1. A/C CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS WORK FOR SIZE, LOCATION, CLEARANCE, ACCESS AND ELECTRICAL CHARACTERISTICS WITH ALL OTHER TRADES AND TO PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW BEFORE INSTALLATION OF DUCTWORK OR EQUIPMENT. SHOP DRAWING WILL INCLUDE BEAM OR STRUCTURE ELEVATION & REQUIRED EQUIPMENT ACCESS AREAS.
2. WALL, ROOF, AND CEILING OPENINGS INDICATED ON CONTRACTOR DRAWINGS ARE NOMINAL DIMENSIONS ONLY AND ALL DUCT, PIPE OR EQUIPMENT PENETRATIONS SHALL BE SLEEVED AND FIRE RATED AS REQUIRED, ADJUST OPENINGS
3. COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS, SPRINKLERS AND ARCHITECTURAL ELEMENTS.
4. COORDINATE LOCATION OF A/C UNITS, THERMOSTATS, FANS AND DUCTWORK WITH BUILDING STRUCTURE AND OTHER TRADES SO THAT NO INTERFERENCES OCCUR.
5. IN GENERAL, DUCT OFFSETS HAVE NOT BEEN SHOWN. A/C CONTRACTOR TO COORDINATE THESE AS REQUIRED.
6. MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCH. PLUMBING, ELECTRICAL AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT.

CONTROLS / EQUIPMENT SEQUENCE OF OPERATION:

1. ALL THERMOSTATS SHALL BE INSTALLED 42" TO 55" A.F.F. VERIFY EXACT LOCATION WITH ARCHITECT / INTERIOR DESIGNER.
2. UPON DETECTION OF SMOKE. SMOKE DETECTORS SHALL SHUT DOWN REQUIRED ASSOCIATED AIR MOVING EQUIPMENT AND ALL AIR MOVING EQUIPMENT SERVING THAT COMMON PLENUM.

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SEAL :

WESLEY ART CASTELLANOS
FLORIDA ARCHITECT LICENSE AR 96133

PROJECT NO : 2014-32

HVAC SCHEDULES PLAN

CHECKED BY :
DRAWN BY :
SCALE: AS NOTED
SHEET NO : M-1.3

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