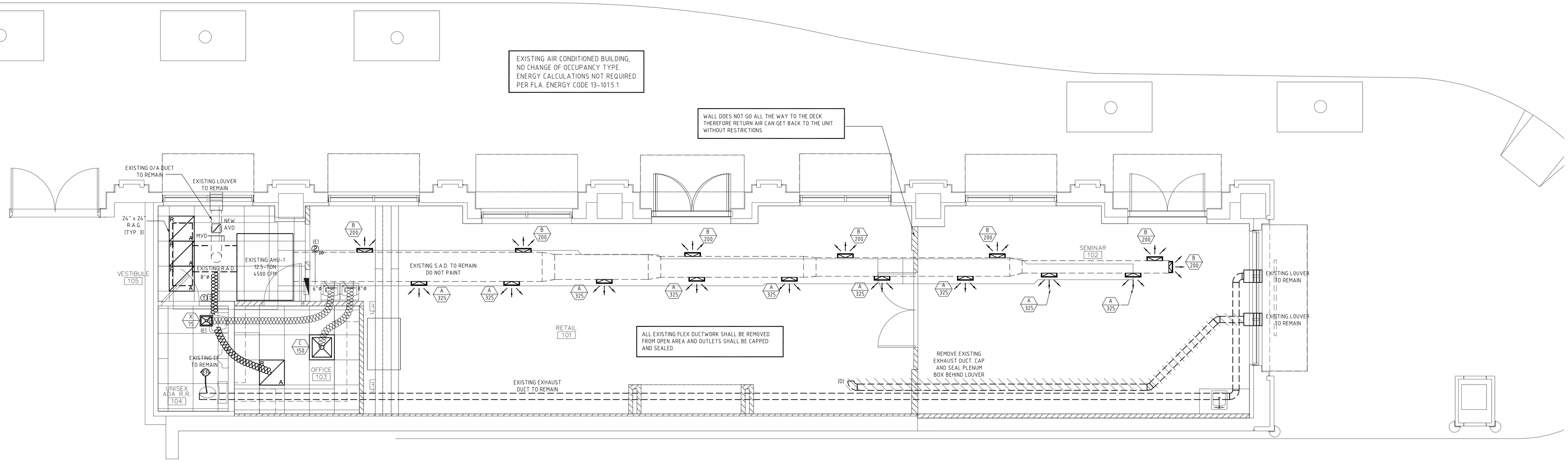


AIR CONDITIONING SPECIFICATION

A. GENERAL

1. AIR CONDITIONING CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, MATERIALS, ELEVATIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS AND INCLUDE IN THE BID ANY AND ALL FABRICATION REQUIRED PRIOR TO INSTALLATION. THE CONTRACTOR SHALL VERIFY SIZE, ELEVATION, AND PRESENT STATE OF ALL EXISTING UTILITIES.
2. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY AND ALL EXISTING FIELD CONDITIONS WHICH DEVIATE FROM WHAT WAS SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO PROVIDE PRICING FOR A COMPLETE INSTALLATION INCLUDING ANY COSTS ASSOCIATED WITH FIELD CONDITIONS AT THE TIME OF BIDDING.
3. IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO THAT DELIVERY WILL NOT INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.
4. IT SHALL BE THE RESPONSIBILITY OF THE AIR CONDITIONING CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS. THE DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR EXACT LOCATIONS. THE AIR CONDITIONING CONTRACTOR SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS AS REQUIRED TO PROVIDE A COMPLETE AND FULLY OPERATIVE SYSTEM. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL NOTIFY ENGINEER IF DUCT SIZE CHANGES ARE REQUIRED BECAUSE OF EXISTING CONDITIONS.
5. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, TESTS, AND ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
6. AFTER BID SELECTION AND PRIOR TO COMMENCEMENT OF WORK, THE AIR CONDITIONING CONTRACTOR SHALL SUBMIT (6 COPIES) OF EQUIPMENT CUTS FOR ALL DUCT WORK, EXHAUST FANS, AIR DEVICES, AND EQUIPMENT AS STATED ON SCHEDULES AND OR NOTES. IF THE CONTRACTOR PROPOSES TO USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IS NOT AS SPECIFIED, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVE TO THE ENGINEER THAT THE PROPOSED SUBSTITUTION IS EQUAL AND WILL FIT ALLOCATED SPACE.

B. WORKMANSHIP

7. ALL WORK SHALL BE PERFORMED BY A LICENSED AIR CONDITIONING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES AND ORDINANCES.
8. THE AIR CONDITIONING CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITION ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT, AND FURNISHINGS CAUSED BY THE CONTRACTOR DURING THE PERFORMANCE OF WORK.
9. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

C. PIPING

10. ALL REFRIGERANT PIPING SHALL BE TYPE "L" OR TYPE "K" COPPER WITH WROUGHT COPPER OR BRASS FITTINGS. STEEL VALVES ARE NOT PERMITTED.
11. THE AIR CONDITIONING CONTRACTOR SHALL RUN ALL CONDENSATE DRAINS PER PLUMBING SPECIFICATIONS. (SEE PLUMBING SHEETS)
12. INTERIOR CONDENSATE DRAIN PIPING AND REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 5/8" THICK IMCOLOCK OR ARMAFLEX.
13. COMBUSTIBLE PIPING IS NOT PERMITTED IN RETURN AIR PLENUMS OR CEILING SPACES USED FOR RETURN AIR.

D. INSTALLATION

14. LOCATION OF AIR CONDITIONING DUCTS AND AIR DEVICES MAY CHANGE. VERIFY EXACT LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION. DRAWINGS ARE DIAGRAMMATIC, DO NOT SCALE FOR THE EXACT LOCATION OF DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR DEVICES.
15. THE AIR CONDITIONING CONTRACTOR SHALL MOUNT ALL ROOFTOP EQUIPMENT ON FACTORY FABRICATED CURBS AND ANCHORS FOR A MINIMUM OF 140 MPH WIND LOADS. WIND LOADS AT MOUNTING HEIGHTS SHALL BE AS REQUIRED BY LOCAL CODES.
16. THE AIR CONDITIONING CONTRACTOR SHALL USE VANED ELBOWS OR APPROVED 3 PIECE ELBOWS, SPLITTER DAMPERS WHERE INDICATED, VOLUME CONTROLS IN ALL BRANCH LINES AND SUPPLY AND RETURN AIR DEVICES.
17. THE AIR CONDITIONING CONTRACTOR SHALL SEAL ALL DUCTS IN AN APPROVED MANNER TO INSURE AGAINST LEAKAGE.
18. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY CONFLICTS IN LOCATIONS FOR DUCTS, DIFFUSERS, GRILLES, REGISTERS, PIPING, EQUIPMENT, ETC., INORDER TO NOT INTERFERE WITH THE PROGRESS OF CONSTRUCTION.

E. EQUIPMENT AND MATERIALS

19. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS TO ALL FANS, A/C UNITS, OR MECHANICAL EQUIPMENT, EXCEPT FOR EXHAUST HOODS.
20. ALL EXHAUST AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE, SMACNA, AND LOCAL CODES. ALL OUTSIDE AIR DUCTS SHALL HAVE 1" INSULATION IN AIR CONDITIONED SPACES.
21. UNLESS NOTED AS EXISTING, ALL EQUIPMENT, PIPING, DUCTS, REGISTERS, ETC., SHALL BE NEW.
22. TERMINAL AIR DISTRIBUTION DEVICES SHALL BE TITUS, METALAIRE OR NAILOR-HART OR EQUAL AS SCHEDULED. ALL VOLUME DAMPERS SHALL BE OPPOSED BLADE TYPE WITH SCREWDRIVER ADJUSTMENT.
23. ALL SUPPLY AND RETURN FIBERGLASS AIR DUCTWORK SHALL BE JOHNS MANVILLE FIBERGLASS (1.5" THICK). TYPE 475 OR 800 OR SHEET METAL WITH MINIMUM R-6 EXTERIOR FOILBACK INSULATION, UNLESS OTHERWISE NOTED ON PLANS
ALL DUCTS SHALL BE SUPPORTED IN AS STRAIGHT AND LEVEL AS FASHION AS POSSIBLE. THE ENTIRE INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE, SMACNA, AND LOCAL CODES.
FLEXIBLE DUCTS SHALL BE UL-181 RATED, NONMETALLIC, CLASS 1 R-6 - INSTALLED IN ACCORDANCE WITH FBC-M 304.1
FLEXIBLE DUCTS SHALL NOT BE LIMITED IN LENGTH PER FBC-M 603.5.1.1
24. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE ALL CONTACTORS, STARTERS, RELAYS, AND THERMOSTATS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, POWER WIRING AND CONTROL WIRING.
25. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE 1" THICK FARR 30/30 (THROW-AWAY TYPE) FILTERS WITH EACH A/C UNIT.
26. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR UNDERWRITERS LABEL WHERE APPLICABLE.

F. SAFETY

27. ALL PENETRATIONS OF FIRE-RATED WALLS, FLOORS OR CEILINGS SHALL BE FIREPROOFED BY A SEALING METHOD AND RATING AS SPECIFIED ON THE DRAWINGS OR AS REQUIRED BY THE LOCAL OR STATE CODES.
28. AIR HANDLING DEVICES IN EXCESS OF 2000 CFM WILL HAVE A DUCT SMOKE DETECTOR TO STOP THE FAN AND ACTIVATE A HORN AND STROBE LIGHT. ALL EQUIPMENT SHALL BE INTERLOCKED AS REQUIRED BY LOCAL CODES OR FIRE SAFETY OFFICIALS.
29. ALL WORK SHALL COMPLY WITH BASE BUILDING LIFE SAFETY/SMOKE CONTROL SYSTEM REQUIREMENTS. PROVIDE ALL NECESSARY WIRING, CONTACTORS, RELAYS, ETC., AS REQUIRED FOR INTERFACE WITH BASE BUILDING SYSTEM.
30. THE AIR CONDITIONING CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

G. COMPLETION

31. THE AIRCONDITIONING CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS BUILT DRAWINGS TO THE ENGINEER UPON COMPLETION OF INSTALLATION. IF FIELD CHANGES ARE MADE WHICH DEVIATE FROM ENGINEERING DRAWINGS TO THE EXTENT THAT THE BUILDING DEPARTMENT REQUIRES THESE CHANGES BE INCORPORATED PRIOR TO INSPECTION, THE CONTRACTOR SHALL PROVIDE SKETCHES TO THE ENGINEER FOR INCORPORATION INTO THE BUILDING PLANS. ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.
32. THE AIR CONDITIONING CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT PER FBC 2007, CH 13, 410.1.ABCD.4 FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AHU'S AND FANS FOR ALL PROJECTS. THE T & B REPORT SHALL BE IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES, AND EXHAUST GRILLES AND THE LEAVING AND ENTERING AIR TEMP (°F) FROM SUPPLY GRILLES AND EVAPORATORS. IF THE OWNER EXPERIENCES UNCOMFORTABLE CONDITIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF AIR FLOW TO WITHIN PLUS OR MINUS 10% FROM AIR QUANTITIES STATED ON THE PLAN.
33. AIR CONDITIONING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP TO BE FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE, AND ALL GUARANTEES AND WARRANTIES SHALL BE DELIVERED TO THE OWNER. COMPRESSORS SHALL HAVE EXTENDED FIVE YEAR WARRANTIES.

H. EXISTING CONDITIONS

34. IF THE NATURE OF THIS CONTRACT INVOLVES EXTENSIVE REMODELING OF THE EXISTING BUILDING. THE AIR CONDITIONING CONTRACTOR, PRIOR TO BID, SHALL INSPECT THE EXISTING CONDITIONS AT THE JOB SITE AND ACQUAINT HIMSELF WITH THE CONDITIONS THAT WILL AFFECT HIS WORK.
35. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE ACTUAL EQUIPMENT BEING FURNISHED.
36. PRESENT AIR CONDITIONING EQUIPMENT WHERE INDICATED ON THE DRAWINGS IS FOR INFORMATION ONLY AND THE CONTRACTOR SHALL INCLUDE THE INSTALLATION OF CONDUIT AND WIRE AS REQUIRED. THE INSTALLATION OF NEW EQUIPMENT THAT INTERFERES WITH EXISTING SHALL BE REMOVED, RELOCATED, OR RE-ROUTED TO PERMIT COMPLETION OF SUCH WORK.
37. SALVAGED MATERIALS, EQUIPMENT, AND DIFFUSERS SHALL BE DELIVERED TO THE OWNER AT HIS PROPERTY AND STORED WITHIN THE BUILDING WHERE DIRECTED. ANY REMOVED MATERIALS OR EQUIPMENT WHICH THE OWNER DOES NOT WISH TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.
38. ALL PRESENT DUCTWORK AND PIPING IN EXISTING AREAS TO BE ALTERED, WHICH WILL HAVE NO USE UPON COMPLETION OF THE ALTERATIONS SHALL BE REMOVED. WHENEVER DUCTS OR PIPING ARE OR WILL BECOME EXPOSED TO VIEW, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
39. THE AIR CONDITIONING CONTRACTOR SHALL DETERMINE THE EXTENT TO WHICH EXISTING DUCTWORK AND PIPING WILL HAVE TO BE RE-ROUTED, RELOCATED, OR RECONNECTED, AND THE AMOUNT OF ADDITIONAL WORK WHICH MAY BE REQUIRED DUE TO THE PHYSICAL CONDITIONS OF THE DUCTWORK & PIPING SHALL BE PERFORMED UNDER THIS CONTRACT WITHOUT ADDITIONAL CHARGES TO THE OWNER.
40. INTERRUPTION OF EXISTING FACILITIES OR SERVICES SHALL BE KEPT TO A MINIMUM AND THE CONTRACTOR SHALL FURNISH ALL MATERIALS & LABOR REQUIRED WHENEVER TEMPORARY CONDITIONS ARE NECESSARY TO MAINTAIN CONTINUITY OF SERVICE. INTERRUPTION OF SERVICES, THE INSTALLATION OF TEMPORARY FACILITIES, AND THE WORK OF MAKING FINAL CONNECTIONS TO NEW WORK SHALL BE DONE ONLY AT SUCH TIMES AS PERMITTED AND SCHEDULED BY THE OWNER WITHOUT ADDITIONAL COST. THE AIR CONDITIONING CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER & GENERAL CONTRACTOR.

NOTE:
PER 2007 FBC CH. 13, SECTION 409.1.ABC.3.3:
PROVIDE MOTORIZED SHUTOFF CONTROL DAMPERS ON RTU'S/AHU'S WITH CFM'S IN EXCESS OF 300 CFM. GRAVITY DAMPERS ARE SUFFICIENT FOR LESS THAN 300 CFM OF OUTSIDE AIR.

THIS PROJECT:
AHU-1 IS DESIGNED IN EXCESS OF 300 CFM O/A; THEREFORE A MOTORIZED DAMPER IS REQUIRED.

NOTE TO CONTRACTOR

CONTRACTOR TO COORDINATE ALL MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE SPRINKLER WITH EXISTING CONDITIONS.

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL LOCATION OF ALL DEVICES.

A/C LEGEND

- 4W - DIFFUSER
- 2W - DIFFUSER
- TRANSITION
- MANUAL VOLUME DAMPER (M.V.D.)
- FIRE DAMPER (F.D.)
- THERMOSTAT
- RETURN AIR GRILLE
- SIDEWALL DIFFUSER/GRILLE
- EXHAUST FAN
- REMOTE ALARM TEST STATION
- SMOKE DUCT DETECTOR
- LOUVER/BRICK VENT
- A / 100 — DIFFUSER TYPE / CFM
- AUTOMATED VOLUME DAMPER
- CONDENSING UNIT
- AHU — AIR HANDLER UNIT

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
R.A.	RETURN AIR
R.C.	ROOF CAP
W.C.	WALL CAP
O/A	OUTSIDE AIR
S.A.D.	SUPPLY AIR DUCT
R.A.D.	RETURN AIR DUCT
R.A.G.	RETURN AIR GRILLE
E.A.G.	EXHAUST AIR GRILLE
T.E.D	TOILET EXHAUST DUCT
AVD	AUTOMATED VOLUME DAMPER
FHP	FLORIDA HEAT PUMP
AHU	AIR HANDLER UNIT
CU	CONDENSING UNIT
WAHU	WALL MOUNTED AIR HANDLER UNIT
CAHU	CEILING MOUNTED AIR HANDLER UNIT
(N)	NEW
(E)	EXISTING TO REMAIN
(D)	EXISTING TO BE DEMOLISH
(R)	EXISTING TO BE RELOCATED

- UP DN SUPPLY DUCT (UP & DOWN)
- UP DN RETURN DUCT (UP & DOWN)
- UP DN EXHAUST DUCT (UP & DOWN)
- UP DN O/A DUCT (UP & DOWN)
- NEW DUCT - WIDTH x DEPTH
- EXISTING DUCT - WIDTH x DEPTH
- EXISTING DUCT TO BE REMOVED- WIDTH x DEPTH
- NEW FLEX DUCT - DIAMETER

OUTSIDE AIR SCHEDULE per ASHRAE 62.1-2004

SPACE	NET OCCUPIED AREA	OCCUPANCY DENSITY PER 1000 SQFT	ESTIMATED OCCUPANCY	ACTUAL OCCUPANCY	VENTILATION RATE CFM PER PERSON + SQFT	VENTILATION REQUIRED	VENTILATION PROVIDED	NOTES
OFFICE	95	5	1	-	5 + 0.06	5 + 6 = 11	400	AHU-1
SEMINAR	440	50	22	-	5 + 0.06	110 + 27 = 137	400	AHU-1
CORRIDOR	100	-	-	-	0.06	6	400	AHU-1
RETAIL	745	-	-	-	0.3	224	400	AHU-1

NOTES:
1) OCCUPANT DENSITIES & VENTILATION RATES ARE BASED ON ASHRAE STANDARD 62.1, 2004 & 2006 SUPPLEMENT, PER SECTION 403, SUBSECTION 403.4 OF FLORIDA BUILDING CODE MECHANICAL 2007
2) ACTUAL OCCUPANCY IS BASED ON EITHER SEATING ARRANGEMENT OR INFORMATION PROVIDED BY OWNER AND OR ARCHITECT.

EXISTING AIR CONDITIONING DATA

QTY.	UNIT NO.	MFG.	CONDENSING UNIT MODEL NO.	AIR HANDLER UNIT MODEL NO.	TOTAL	SENSIBLE	SEER	TOTAL	O/A	FAN E.S.P. - IN WATER	ELECTRIC HEAT	SUCTION & LIQUID LINES
1	AHU-1 CU-1	TRANE	TTA150B300DA	EXISTING	146,000	102,000	EXISTING	4,500	400	1.0	EXISTING	EXISTING

A/C EQUIPMENT NOTES:
1) A/C UNIT IS EXISTING TO REMAIN. SEE BASE BUILDING DRAWINGS FOR MORE INFORMATION. SHOWN FOR REFERENCE AND CFM VALUES ONLY.

ELECTRICAL DATA

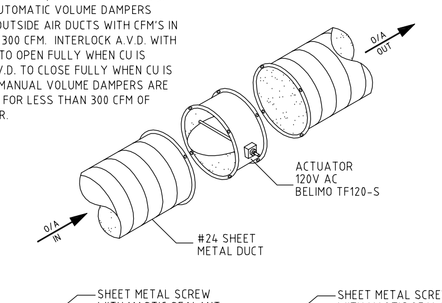
UNIT NO.	V/P/Hz	COMPRESSOR			OFM		IFM		ELECTRIC HEAT	CONDENSING UNIT		AIR HANDLER UNIT	
		QTY	FLA	LRA	QTY	FLA	HP	FLA		MIN. CAPACITY	MAX FUSE	MIN. CAPACITY	MAX FUSE
AHU-1 CU-1	208/3/60	2	22.0 ea	156.0 ea	1	6.0	-	-	EXISTING	55.5	70	EXISTING	EXISTING

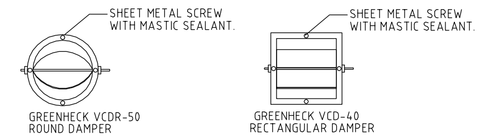
AIR TERMINAL SCHEDULE (TITUS)

SERVICE	SYSTEM	LOCATION	ACCESSORIES	MANUFACTURE	MODEL	DESCRIPTION
A	SUPPLY	SIDEWALL	-	TITUS	MODEL NO: 300FS	12" x 8"
B	SUPPLY	SIDEWALL	-	TITUS	MODEL NO: 300FS	10" x 6"
C	SUPPLY	CEILING	-	TITUS	MODEL NO: PAS	24" x 24" MODULE 8" NECK
X	EXISTING TO REMAIN					
RA	RETURN	CEILING	-	TITUS	MODEL NO: 350FL	24" x 24" UNLESS OTHERWISE NOTED

AIR TERMINAL NOTES:
1) STANDARD FINISH TO BE WHITE FOR ALL DEVICES.
2) ALL DIFFUSUER TYPES MIGHT NOT BE USED.

PER 2007 FBC CH. 13, SECTION 409.ABC.3.3:
PROVIDE AUTOMATIC VOLUME DAMPERS (A.V.D.) IN OUTSIDE AIR DUCTS WITH CFM'S IN EXCESS OF 300 CFM. INTERLOCK A.V.D. WITH CU- A.V.D. TO OPEN FULLY WHEN CU IS ACTIVE, A.V.D. TO CLOSE FULLY WHEN CU IS INACTIVE. MANUAL VOLUME DAMPERS ARE SUFFICIENT FOR LESS THAN 300 CFM OF OUTSIDE AIR.





DETAIL NO. 1 — **AUTOMATIC VOLUME DAMPER (A.V.D) DETAIL** — NOT TO SCALE

PERMIT SET: 06/15/11

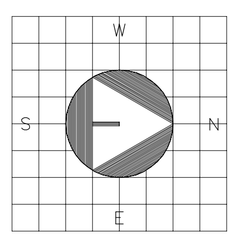
PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND HE SHALL INCLUDE IN HIS BID TO CORRECT THE SAME AS DIRECTED.
THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.
NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION.
NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.

FAE CONSULTING
1640 N.W. Boca Raton Blvd.
Boca Raton, FL 33432
TEL: (561) 391-9292 FAX: (561) 391-9898
Certificate of authorization no. 28107
Harold R. Tussler, P.E. License #19315
Ursula Iafrate, P.E. License #73122
Email: info@faeconsulting.com

MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

2' 4' 8' 16'



GLIDDEN • SPINA & PARTNERS
ARCHITECTURE • INTERIOR DESIGN, INC.
PHONE: 561.684.6844 • FAX: 561.684.5594 • E-MAIL: info@gsp-architects.com
1401 FORUM WAY, SUITE 100 • WEST PALM BEACH, FLORIDA 33401
FL License: #AA26001602
Keith M. Spina #AR13419 Benjamin John Glidden, III #AR6536

TENANT IMPROVEMENTS FOR:

SUITE 150
101 NORTH CLEMATIS STREET
WEST PALM BEACH, FLORIDA

COPYRIGHT 2011
THESE DRAWINGS ARE FOR THE EXCLUSIVE USE OF GLIDDEN, SPINA & PARTNERS, INC. AND MAY NOT BE DUPLICATED, REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF GLIDDEN SPINA & PARTNERS, INC. ALL RIGHTS RESERVED.

sheet title: MECHANICAL PLAN
file name: 11231_M1.1.DWG

revisions:

project no: 11231
date: 06/15/11
drawn by: RB/AB/CI
checked by: UI

M1.1