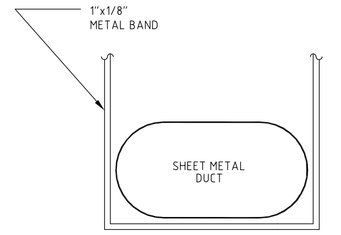
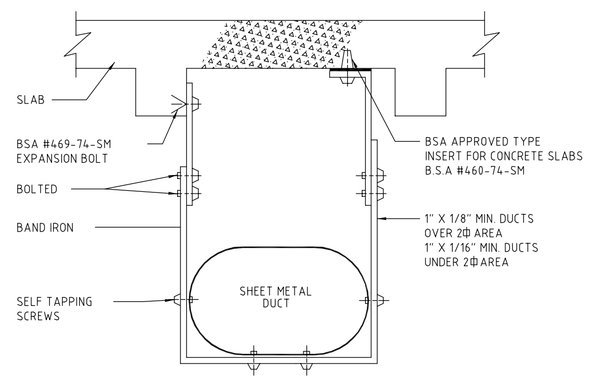


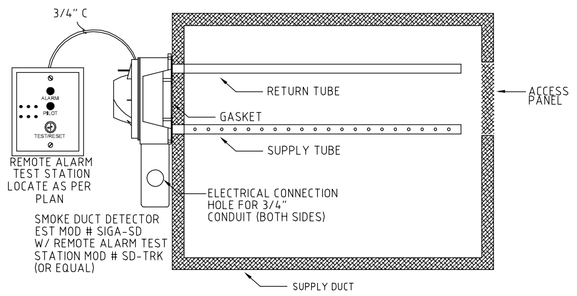
DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIV. CHANNEL	MAX SPACING
12" TO 30"	3/8"	1-1/2"x1-1/2"x1/8"	8'-0" O.C.
31" TO 42"	3/8"	1-1/2"x1-1/2"x1/8"	6'-0" O.C.
43" TO 60"	1/2"	1-1/2"x1-1/2"x1/8"	6'-0" O.C.
61" TO 84"	1/2"	2"x2"x1/4"	4'-0" O.C.
85" & UP	1/2"	3"x3"x1/4"	4'-0" O.C.

SUPPORT FOR OBLONG DUCTS
NOT TO SCALE



METHOD OF HANGING DUCTWORK
NOT TO SCALE

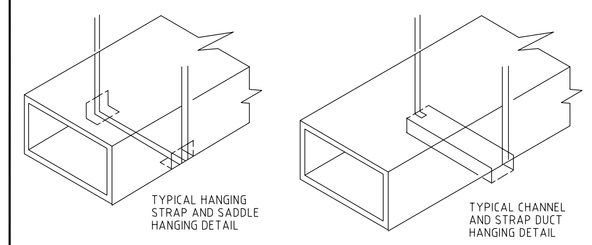
DETAIL NO. 1 — **DUCTWORK HANGING DETAIL** — NOT TO SCALE



1. SMOKE DUCT DETECTOR REQUIRED FOR UNITS WITH 2,000 CFM OR GREATER. LOCATE SMOKE DUCT DETECTOR IN SUPPLY DUCT AT UNIT. SEE FLOOR PLAN FOR EXACT LOCATION.
2. PROVIDE ACCESS PANEL FOR DETECTOR INSPECTION/REPAIR.
3. CONNECT DUCT DETECTOR TO BUILDINGS FIRE ALARM SYSTEM IN ACCORDANCE WITH FBC-M 606.4.1

DETAIL NO. 2 — **SMOKE DUCT DETECTOR MOUNTING DETAIL** — NOT TO SCALE

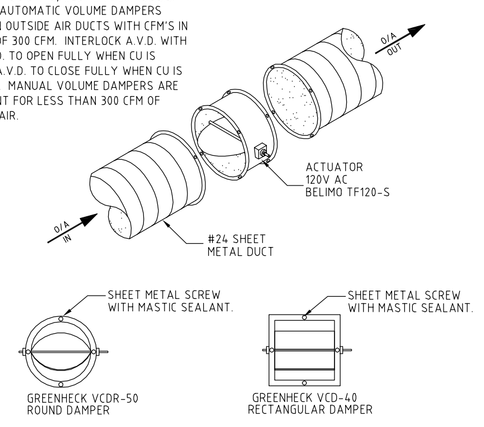
SEE DUCTWORK AND ACCESSORIES NOTES FOR SPECIFICATION OF DUCT MATERIALS, FASTENING SYSTEM, AND SEALING METHODS.



NOTE: ALL STRAP SHALL BE A MINIMUM OF 1-1/2,26 GA GALVANIZED STEEL, WITH A 6 FT MAXIMUM SPACING.

DETAIL NO. 3 — **METHODS OF HANGING RIGID FIBERGLASS DUCT DETAIL** — NOT TO SCALE

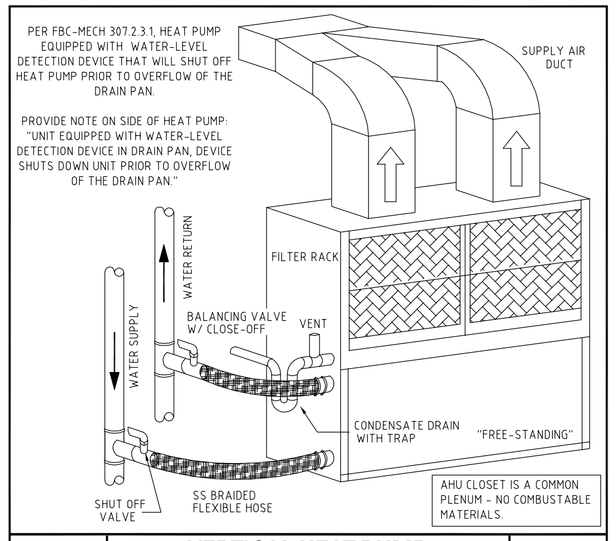
PER 2007 FBC CH. 13, SECTION 409.ABC.3.3: PROVIDE AUTOMATIC VOLUME DAMPERS (A.V.D.) IN OUTSIDE AIR DUCTS WITH CFM'S IN EXCESS OF 300 CFM. INTERLOCK A.V.D. WITH CU. A.V.D. TO OPEN FULLY WHEN CU IS ACTIVE. A.V.D. TO CLOSE FULLY WHEN CU IS INACTIVE. MANUAL VOLUME DAMPERS ARE SUFFICIENT FOR LESS THAN 300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



DETAIL NO. 4 — **AUTOMATIC VOLUME DAMPER (A.V.D) DETAIL** — NOT TO SCALE

PER FBC-MECH 307.2.3.1, HEAT PUMP EQUIPPED WITH WATER-LEVEL DETECTION DEVICE THAT WILL SHUT OFF HEAT PUMP PRIOR TO OVERFLOW OF THE DRAIN PAN.

PROVIDE NOTE ON SIDE OF HEAT PUMP: "UNIT EQUIPPED WITH WATER-LEVEL DETECTION DEVICE IN DRAIN PAN, DEVICE SHUTS DOWN UNIT PRIOR TO OVERFLOW OF THE DRAIN PAN."



DETAIL NO. 5 — **VERTICAL HEAT PUMP MOUNTING DETAIL** — NOT TO SCALE

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	243	5	2	-	5 • 0.06	10 + 15 = 25	1500	FHP-1
AEROBICS ROOM	514	40	21	-	20 • 0.06	420 + 31 = 451		
WEIGHT ROOM	2,627	10	27	-	20 • 0.06	540 + 158 = 698		
RECEPTION	936	30	29	-	5 • 0.06	145 + 57 = 202		

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.

WATER SOURCE HEAT PUMP DATA

Q.TY.	UNIT NO.	MFG.	MODEL NO.	TOTAL	SENSIBLE	HEAT REJECT.	FAN SECTION CFM	FAN SECTION E.S.P.	FAN SECTION O/A	GPM/P.D. (FT)	EER/COP	WATER TEMP. ENT.	WATER TEMP. LVG.	CWS & CWR CONNECTION
1	FHP-1	FHP	EC210 VERT.	218,570	168,700	276,430	7,000	0.5	1,500	50.0/14.8	14.6/5.1	85	95	2"

A/C EQUIPMENT NOTES:
1) VERIFY ALL A/C ELECTRICAL REQUIREMENTS WITH MANUFACTURERS SPEC. PRIOR TO INSTALLATION.
2) PROVIDE R-410A REFRIGERANT
3) PPROVIDE PRO-1 T-705 THERMOSTATS FOR ALL HEAT PUMPS. T-STATS TO BE MOUNTED 42"A.F.F.
4) PROVIDE HOSE KITS WITH 'CIRCUIT SETTER' FLOW CONTROL AND FIRE RATED HOSES (SS BRAIDED)
5) PROVIDE SMOKE DUCT DETECTORS WITHIN 5'-0" OF THE UNITS.
6) PROVIDE HIGH AND LOW PRESSURE SWITCHES, FREEZESTAT AND TVX VALVE
7) PROVIDE AUXILIARY DRAIN PAN WITH AUTOMATIC SHUTOFF FLOAT SWITCH
8) PROVIDE SOUND REDUCTION PACKAGE
9) MOTOR STARTERS, DISCONNECTS AND ALL EQUIPMENT POWER WIRING BY ELECTRICAL CONTRACTOR. COORDINATE PRIOR TO ANY WORK AND PURCHASING.
10) ALL UNITS ARE TO BE TIED INTO FIRE ALARM SYSTEM AND HAVE GLOBAL SHUT DOWN. COORDINATE WITH BUILDING ENGINEER
11) PROVIDE AUTOMATIC RESTART, PER MANUFACTURER RECOMMENDATIONS, CONTROL SEQUENCE SHALL INCLUDE AUTO-RESET AFTER LOSS OF FLOW/HIGH CONDENSER PRESSURE. THIS SEQUENCE SHALL AUTOMATICALLY RESET UP TO THREE TIMES AFTER ANTI-RECYCLE DELAY, ON THE FOURTH INSTANCE OF SAFETY TRIP THE UNIT SHALL REMAIN OFF UNTIL MANUALLY RESET AT DISCONNECT ALLOWING REVIEW OF SOURCE PROBLEM.

HP ELECTRICAL DATA

UNIT NO.	V/P/Hz	COMPRESSOR QTY	COMPRESSOR FLA	COMPRESSOR LRA	IFM HP	IFM FLA	HEATING	ELECTRIC HEAT	AIR HANDLER UNIT MIN. CAPACITY	AIR HANDLER UNIT MAX FUSE
FHP-1	460/3/60	2	16.5 ea.	95.0 ea	1.5 ea.	2.5 ea.	270,000	-	42.2	50

AIR TERMINAL SCHEDULE (TITUS)

SERVICE	SYSTEM	LOCATION	ACCESSORIES	MANUFACTURE	MODEL	DESCRIPTION
A	SUPPLY	CEILING	-	TITUS	MODEL NO: TMR-AA	10"ø
B	SUPPLY	CEILING	-	TITUS	MODEL NO: 300FS	18" x 8"
C	SUPPLY	CEILING	-	TITUS	MODEL NO: TDC-AA	9" x 9" 4-WAY
D	SUPPLY	CEILING	-	TITUS	MODEL NO: TDC-AA	6" x 6" 4-WAY
F	SUPPLY	CEILING	-	TITUS	MODEL NO: 250-AA	8" x 4" 1-WAY
EA	EXHAUST	CEILING	O.B.D.	TITUS	MODEL NO: 350FL	12" x 12" / 24" x 24" SEE PLANS
RA	RETURN	CEILING/SIDEWALL	O.B.D.	TITUS	MODEL NO: 50F	SEE PLANS FOR SIZE

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

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:
FHP-1 IS DESIGNED IN EXCESS OF 300 CFM O/A; THEREFORE A MOTORIZED DAMPER IS REQUIRED

EXHAUST FAN DATA

FAN #		EF-1	EF-2
MANUFACTURER		GREENHECK CSP-A390	FANTECH DBF4XLT
CFM		325	150
E.S.P. IN. WG.		0.500	0.375 UP TO 130 FT
RPM	- ROOF CURB TYPE	-	-
	- DIRECT DRIVE	1,350	2,800
ELECTRIC V/ø/HZ		120/1/60 1.3 AMPS	120/1/60 0.73 AMPS
OPERATING WEIGHT		23.0 LBS	12.0 LBS
ACCESS.	- ROOF CURB TYPE	-	-
	- FIRESTAT	-	-
	- BACKDRAFT DAMPER	X	X
	- DISCONNECT SWITCH	-	-
	- SPEED CONTROL	-	-
REMARKS		x 8/8 SHEET METAL DUCT x SEE PLANS FOR TERMINATION.	x 6"ø SHEET METAL DUCT x SEE PLANS FOR TERMINATION.

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 WORK-MANSHIP 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 603.5.11
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 AND 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 CONDI-TIONING CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE SERVICE INTERRUPTIONS WITH THE OWNER & GENERAL CONTRACTOR.

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.

PERMIT SET: 02/14/12

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
Martin Whitelocke, P.E. License #53899
E-mail: info@faeconsulting.com

MECHANICAL DATA. DETAILS, & SPECS

SCALE: N.T.S.

0 X' X' X' X'

GLIDDEN • SPINA & PARTNERS
ARCHITECTURE • INTERIOR DESIGN, INC.
1401 FORUM WAY, SUITE 100 • WEST PALM BEACH, FLORIDA 33401
PHONE: 561.684.6844 • FAX: 561.684.5594 • E-MAIL: info@gsp-architects.com
FL License: #AA26001602
Keith M. Spina #AR13419 Benjamin John Glidden, III #AR16536

TENANT IMPROVEMENTS FOR:
NORTHBIDGE CENTER GYM FACILITY
515 N. FLAGLER DR., SUITE P-100
WPB, FLORIDA

COPYRIGHT 2009
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 DATA, DETAILS, & SPECS
file name: 11436_M1.1(2).DWG

revisions:

project no: 11436
date: 02/14/12
drawn by: ANC/AS
checked by: UI

M2.1