PROPERLY REMOVE AND DISPOSE OF ALL HVAC DUCTWORK AND AIR DISTRIBUTION DEVICES WHICH ARE TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL PIPING AND DUCTS, NEW OR EXISTING, WITHIN THE PROJECT AREA, ARE PROPERLY SUPPORTED.

ALL OCCUPIED SPACES ARE TO REMAIN OPERATIONAL DURING BUSINESS HOURS THROUGHOUT THE DEMOLITION AND CONSTRUCTION PERIOD. COORDINATE ALL WORK AS DESCRIBED IN THE ARCHITECTS DOCUMENTS.

ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.

AIR CONDITIONING CONTRACTOR SHALL PROVIDE OR CAUSE TO BE PROVIDED ALL CONTROLS, CONTROL WIRING & CONDUIT, POWER WIRING & CONDUIT, AND ALL CONTROLS, CONTROL WIRING & CONDUIT, AND CONTROL OF VARIABLE AIR VOLUME TERMINAL UNITS. IN ADDITION CONTRACTOR SHALL PROVIDE INTERFACE WITH THE EXISTING EMS SYSTEM COMPUTER GRAPHICALLY DEPICTING MECHANICAL LAYOUT WITH ON SCREEN DISPLAYS THAT ARE CONTROLLED BY THE EXISTING STAEFA MS—1800 ENERGY MANAGEMENT SYSTEM (EMS). PROGRAMMING IS TO ALSO INCLUDE INTERFACE TO EXISTING PROGRAM DESIGNED TO CALCULATE TENANT OVERTIME USAGE CONTRACTOR THERMAL CONCEPTS AT 1—800—953—2503 (NEIL CAPORALE) FOR SPECIFICATIONS AND DETAILS. A COMPLETE AND OPERATIONAL CONTROL SYSTEM IS TO BE PROVIDED FOR THE ENTIRE TENANT SPACE. VERIFY WITH THERMAL CONCEPTS, ANY ADDITIONAL DETAILS WHICH MUST BE INCLUDED, PRIOR TO BID.

CONTRACTOR IS TO PROVIDE CONTROLS AS NOTED ABOVE FOR ALL BOXES SHOWN ON THESE PLANS, INCLUDING ANY EXISTING BOXES.

VAV TERMINAL

ALL MECHANICAL SYSTEMS SERVING OTHER SPACES OR FLOORS, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION, SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES.

DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.

EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.

MECHANICAL GENERAL NOTES:

- 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.
- 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.
- 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 ALL WORK SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. NO CONTRACTOR SHALL BID UNLESS FAMILIAR WITH THESE CODES.
- ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS OF CONSTRUCTION.
- EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE THE CONTRACTOR SHALL INCLUDE THE WORK OF ALL REQUIRED SUB-CONTRACTORS, SUCH AS ELECTRICAL, INSULATING, TEST & BALANCE, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 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. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READLY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
- PROVIDE ALL CONTROLS, STARTERS, CONTROL WIRING, DISCONNECTS, AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. 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.
- 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. PRIOR TO ACCEPTANCE BY THE OWNER THE SYSTEMS SHALL BE TESTED AND BALANCED BY THE CONTRACTOR. PROVIDE A WRITTEN REPORT.
- COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH LIGHTS AND ARCHITECTURAL ELEMENTS. SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED. ALL GRILLES TO BE TITUS OR METALLAIRE UNLESS OTHERWISE NOTED, SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.
- ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS AND LOCAL BUILDING CODES. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.

19.

- ALL OUTSIDE AIR DUCTWORK SHALL BE SHEETMETAL WITH EXTERIOR R-6 INSULATION. PROVIDE BLANKET TYPE INSULATION IN CONCEALED SPACES, AND BOARD TYPE IN EXPOSED AREAS.
- LOW PRESSURE SUPPLY AND RETURN RECTANGULAR DUCTWORK IS RIGID DUCTBOARD, 1 IN. THICK, R-4.2 INSULATION. 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.
- PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS. PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.

CONDENSATE DRAIN PIPING SHALL BE ABOVE GRADE COPPER DRAIN, WASTE AND VENT FITINGS. INSULATE ALL CONDENSATE PIPING W/3/4" IMCOA IMCOLOCK PIPE INSULATION.

UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND DUCTWORK IN THE PROJECT AREA WHICH IS NOT INDICATED TO REMAIN, IS TO BE REMOVED. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT AREA PRIOR TO BID TO DETERMINE ALL REQUIRED DEMOLITION.

CURITY

BARRIER

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TAIL

HVAC

CONTROLS NOTE

GENERAL DEMOLITION NOTES

VERIFY ALL THERMOSTAT LOCATIONS WITH THE LANDLORD.

PROVIDE WALL MOUNTED LINE VOLTAGE THERMOSTAT FOR CONTROL. (LBS) **FAN SCHEDULE** 113 120-

1/2" DIA. COLD ROLLED STEEL RODS (BOTH DIRECTION) WELD(TYPICAL)

WITH INTEGRAL TYPE FIRE DAMPER SLEEVE

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1-1/2" W X 1/4" STEEL FRAME

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NON REMOVABLE
(TACK WELD)
- BOLT OR WELD TO
DUCT WALL 12 IN. O.C.
AROUND ENTIRE FRAME

CONTRACTOR IS TO INSPECT ALL EXISTING DUCTWORK SHOWN ON THESE PLANS AS REMAINING. REPAIR AS REQUIRED ANY DAMAGED DUCTWORK OR INSULATION. WHERE DUCTWORK IS SHOWN TO BE PARTIALLY REMOVED, CAP, SEAL, AND INSULATE TO MATCH EXISTING METHODS AND MATERIALS. EXISTING VAV UNITS WHICH ARE REMAINING ARE TO BE INSPECTED, ADJUSTED AND REPAIRED WHERE NECESSARY.

V-97

TRANE

VCEF

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208-1-60

208-1-60

NOTES 1 THRU 6

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NOTES 1 THRU

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CHEDULE

V-96

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V-95

TRANE

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HVAC

PROJECT

SPECIFIC

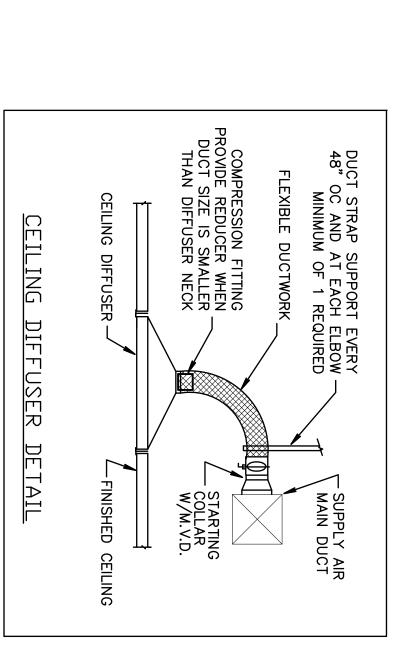
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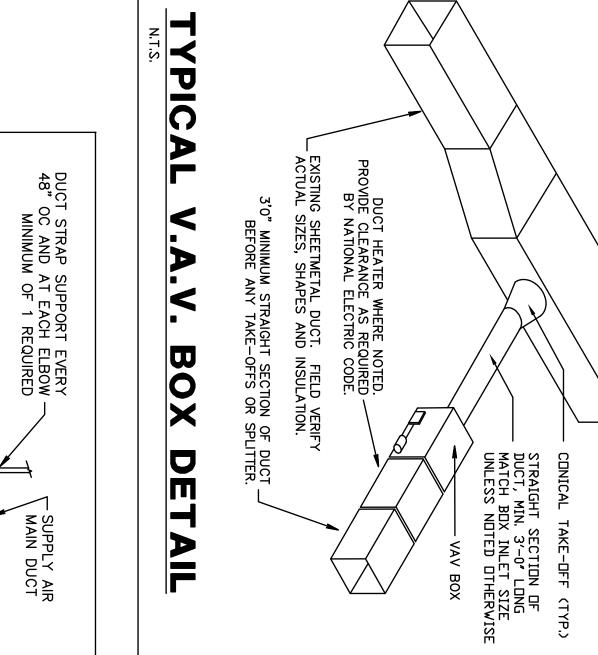
GALVANIZED STEEL SLEEVE (20 GAUGE GALVANIZED SHEETMETAL SUPPLY AIR DUCT 1 1/2"X1 1/2" ANGLE

MARK

| TITUS | TITUS | TITUS | TITUS | TITUS | MAKE | |
|----------|----------|----------|----------|----------|------------------|-------------------------|
| PAR-AA | PAS-AA | PAS-AA | PAS-AA | PAS-AA | MODEL | AIF |
| 24X24 | 24X24 | 24X24 | 12X12 | 24X24 | SIZE | R DIS |
| 22X22 | 10"ø | 8"ø | 6"ø | 6"ø | NECK | TRIBU |
| ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | MATERIAL | AIR DISTRIBUTION SCHEDU |
| ß | 3 | 3 | 1 | 3 | BORDER TYPE | SCHE |
| LAY-IN | LAY-IN | LAY-IN | SURFACE | LAY-IN | MOUNTING TYPE | DULE |
| I | AG-100 | AG-100 | AG-100 | AG-100 | DAMPER | |
| | | | | | | |

| E INTEGRAL VOLU SQUARE TO RO SAMPLE WITH O | TITUS | TITUS | TITUS | TITUS | TITUS | MAKE | |
|---|----------|----------|----------|----------|----------|------------------|-------------------------|
| JME DAMPERS (DUND ADAPTERS OFF-WHITE FINI I SIZED TO MAT | PAR-AA | PAS-AA | PAS-AA | PAS-AA | PAS-AA | MODEL | AIF |
| WHERE SHOVES WHERE RESEARCH S/A DIF | 24X24 | 24X24 | 24X24 | 12X12 | 24X24 | SIZE | R DIS |
| WN ON PLAN QUIRED FOR HITECT FOR FUSER NECH | 22X22 | 10"ø | 8"ø | 6"ø | 6"ø | NECK | TRIBL |
| INTEGRAL VOLUME DAMPERS WHERE SHOWN ON PLAN OR WHERE DAMPER IN DUCTWORK IS NOT ACCESSIBLE ABOVE CEILNG. SQUARE TO ROUND ADAPTERS WHERE REQUIRED FOR ROUND DUCT CONNECTION. SAMPLE WITH OFF—WHITE FINISH TO ARCHITECT FOR APPROVAL. FLEXIBLE DUCT SIZED TO MATCH S/A DIFFUSER NECK UNLESS NOTED OTHERWISE. | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | ALUMINUM | MATERIAL | AIR DISTRIBUTION SCHEDU |
| MPER IN DU CONNECTION D OTHERWIS | 3 | 3 | 3 | 1 | 3 | BORDER TYPE | SCHE |
| JCTWORK IS N I. SE. | LAY-IN | LAY-IN | LAY-IN | SURFACE | LAY-IN | MOUNTING TYPE | DULE |
| IOT ACCESSI | - | AG-100 | AG-100 | AG-100 | AG-100 | DAMPER | |
| BLE ABOVE (| _ | 4 WAY | 4 WAY | 4 WAY | 4 WAY | THROW | |
| CEILNG. | WHITE | WHITE | WHITE | WHITE | WHITE | FINISH | |







10-11-10

DRAWN BY REVISIONS

1 09-30-10 TENANT 2

2 10-11-10 TENANT 2 CD

PR

ANESTHETIX

7111 FAIRWAY DRIVE #450 PALM BEACH GARDENS, FL 33418 birse design inc.

1) PROVIDE ROOM TEMPERATURE SENSOR WITH EXTERNAL SET POINT ADJUSTMENT.
2) PROVIDE FACTORY MOUNTED DDC CONTROLLER.
3) WITH OUTLET CONFIGURATION AS REQUIRED, COORDINATED BY CONTRACTOR.
4) TRANSITION FROM INLET SIZE TO SUPPLY DUCT SIZE AS SHOWN ON FLOOR PLANS.
5) WITH OPTIONAL 1' THICK MATT FACED INSULATION WITH IAQ FOIL FACE.
6) WITH FACTORY 1 STAGE HEATER, WITH COMPLETE CONTROLS, MERCURY CONTACTORS, AND INTERLOCKING DOOR DISCONNECT SWITCH, U.L. LISTED AND LABELED.

PRIOR TO BID, CONTRACTOR IS MAY BE RE-USED IN PLACE OF

TO VERIFY WITH OWNER IF THERE NEW BOXES SHOWN IN SCHEDULE

