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.
- 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.
- EQUIPMENT SHALL BEAR A U.L. OR OTHER RECOGNIZED LABEL, NAMEPLATES, WIRING DIAGRAMS, AND ENERGY RATINGS AS APPLICABLE. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND ACCESSORIES TO BE READLY ACCESSIBLE FOR SERVICING, TESTING, BALANCING, AND REPLACEMENT.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN IN ALL MATERIALS AND WORKMANSHIP FOR C ONE YEAR FROM ACCEPTANCE, ON COMPRESSORS.

DUCT

TRANSITIONS

MARK

MANUF.

MODEL

NO.

SIZE

CFM CFM MIN 800 250

EXIS

TING

 \supset

<

 \square

SCHE

VE-2

NAILOR

P3001

e Ø

550

150

NOTES 1 THRU 4

THRU

G

œ ø

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.

12.

<u>1</u>

10.

- 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.
- SUPPLY AND INSTALL DUCT MOUNTED SMOKE DETECTORS AS REQUIRED. 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.

ALL DUCT WORK SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS AND LOCAL BUILDING CODES. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS. ALL GRILLES TO BE TITUS OR METALLAIRE UNLESS OTHERWISE NOTED, SIZES AS SHOWN ON PLANS, ALUMINUM CONSTRUCTION.

17.

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.

21.

20.

- FLEXIBLE DUCT, WHERE SHOWN, SHALL BE U.L. CLASS 1, R—6 INSULATION. LOW PRESSURE SUPPLY AND RETURN RECTANGULAR DUCTWORK IS RIGID DUCTBOARD, 1 IN. THICK, R—4.2 INSULATION. ALL EXHAUST AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
- PROVIDE ELBOW TURNING VANES IN ALL RECTANGULAR DUCTS WHERE TURNS ARE GREATER THAN 45 DEGREES.

24.

CONDENSATE DRAIN PIPING SHALL BE ABOVE GRADE COPPER DRAIN, WASTE AND VENT FITINGS. INSULATE ALL CONDENSATE PIPING W/3/4" IMCOA IMCOLOCK PIPE INSULATION. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS.
VERIFY ALL THERMOSTAT LOCATIONS WITH THE LANDLORD.

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.

GENERAL

DEMOLITION NOTES

IT IS THE CONTRACTOR'S RESPONSIBILITY TO NEW OR EXISTING, WITHIN THE PROJECT AREA,

ENSURE THAT ALL PIPING AND DUCTS, 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.

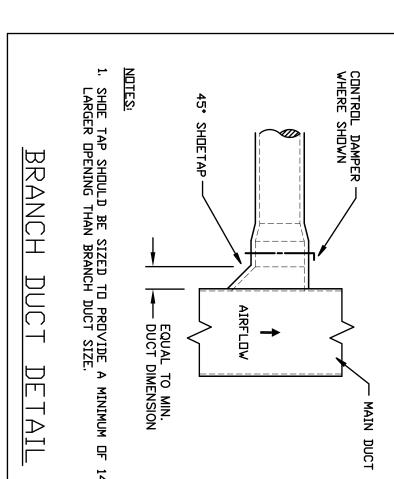
PROPERLY REMOVE AND DISPOSE OF ALL HVAC DUCTWORK AND AIR DISTRIBUTION DEVICES WHICH ARE TO BE REMOVED. CONSULT WITH OWNER AND OBTAIN THE OWNER'S APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.

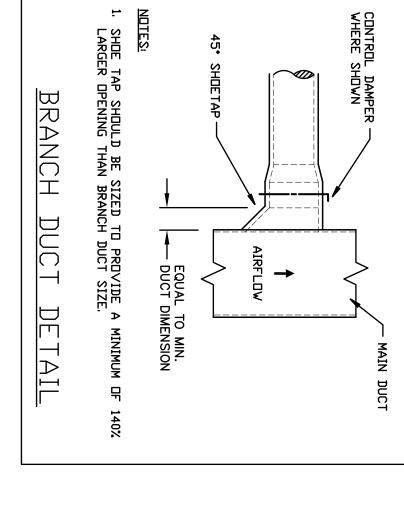
ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.

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.

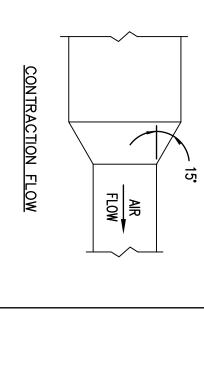
DEMOLITION WORK IS NOT SPECIFICALLY IDENTIFIED ON THESE PLANS, AND MAY BE DESCRIBED ON THE ARCHITECTS PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.

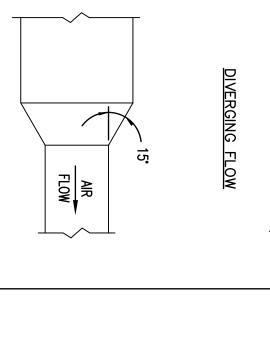
EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.





VERIFY MINIMUM AIRFLOW





-WHITE FINISH AND SUBMITTALS TO ARCHITECT FOR APF ND FLEXIBLE DUCT RUN—OUT SIZED TO MATCH S/A DIFI IUM BOX ABOVE SUPPLY AND RETURN AIR GRILLES AS PERS ONLY WHERE DAMPER IS NOT ACCESSIBLE AT DUC

PPROVAL. IFFUSER NECK UNLESS N S REQUIRED FOR DUCT (

NOTED OTHERWISE.
CONNECTIONS. MINIMUM
CEILING.

ВОХ

HEIGHT

 \overline{S}

1/2

유

NECK

WIDTH.

FLOW	15'		DIVERGING FLOW			FLOW	AIR	
	PROVIDE PROVIDE PROVIDE PROVIDE	R1	С	В	Α1	Α	MARK	
	E OFF-WE ROUND E PLENUN E DAMPEI	SUTIT	TITUS	SUTIIT	TITUS	SNIIL	MAKE	

PAS-AA

24X24

10"ø

ALUMINUM

LAY-IN

AG-

WAY

PAR-AA

22X22

ALUMINUM

PAS-AA

24X24

ω ø

ALUMINUM

LAY-IN

AG-100

WAY

WHITE

SEE NOTES

NOTES

NOTES

PAS-AA

24X24

ი გ

ALUMINUM

SURFACE

AG-100

WAY

WHITE

SEE

NOTES

LAY-IN

SIZE

NECK

MATERIAL

MOUNTING TYPE

DAMPER

REMARKS

AIR

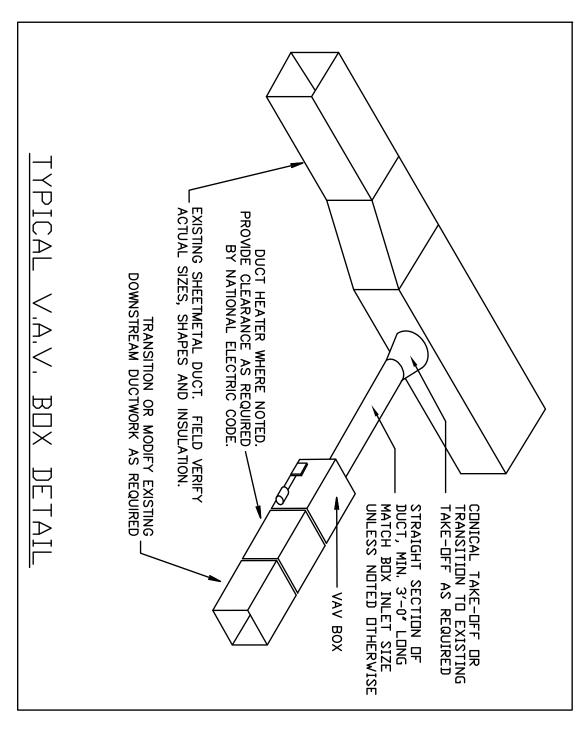
DISTR

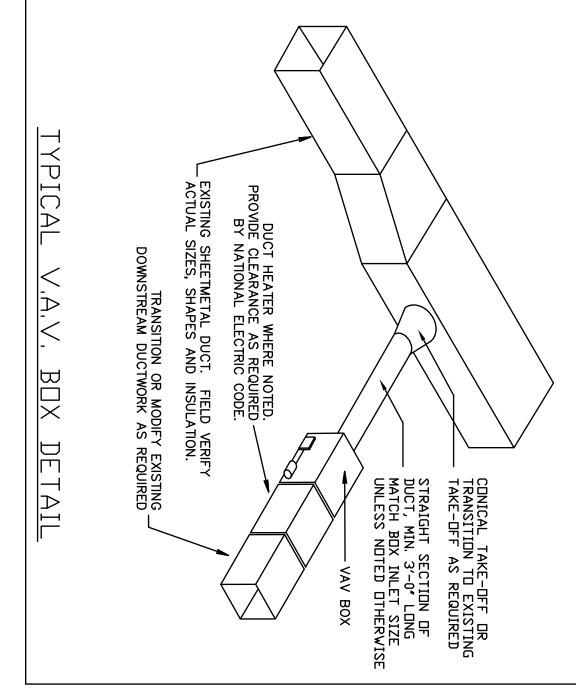
IBUTION

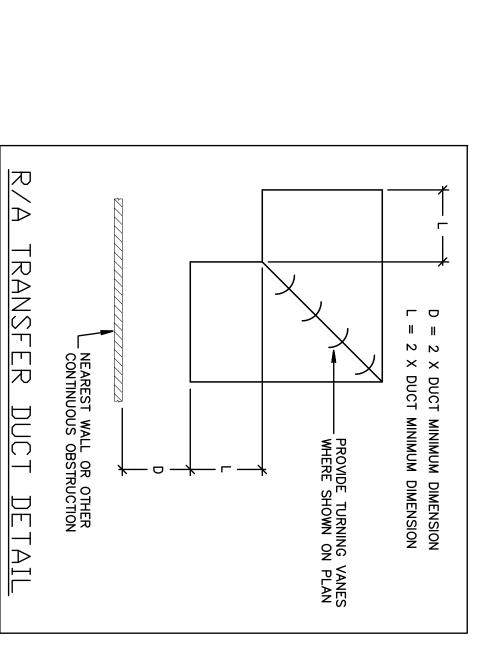
SCHEDULE

SUPPLY AIR DUCT SUPPLY AIR DUCT FLEXIBLE DUCTWORK FLEXIBLE DUCTWORK MINIMUM OF 1 REQUIRED SUPPLY AIR DUCT STARTING COLLAR HOIL LINER ON OSED TOP SIDE CEILING DIFFUSER CEILING DIFFUSER CEILING DIFFUSER SUPPLY AIR DUCT SUPPLY AIR DUC
--

(4) TR	(3) TR	2 EX	(1) RE	VE-4	VE-3
(3) IRANSITION FROM INLET SIZE TO SUPPLY DUCT SIZE AS SHOWN ON FLOOR PLANS. (4) PROVIDE ROUND DUCT TO MATCH INLET SIZE UNLESS NOTED OTHERWISE.	ANSITION AS RE	(2) EXISTING UNIT TO BE RE-LOCATED AS SHOWN, VACUUM CLEAN INTERIOR PROVIDE NEW PNEUMATIC TUBING AS REQUIRED. RE-INSTALL PER THESE (3) TRANSITION AS REQUIRED FROM OUTLET SIZE TO DUCT SIZE SHOWN ON PL	(1) RE-BALANCE UNIT MINIMUM AND MAXIMUM AIR QUANTITIES AND ALL AIR OUTLETS.	VE-4 NAILOR	NAILOR
	QUIRED FROM			P30RE	P30RE
	OUTLET SIZE			8"ø	10"ø
	TO DUCT			800	1225
	SIZE SH			250	350
	N N N	INTERI		4	6
	PLAN.	ים י		1	1
		AND EXTERIOR. LANS.		277-1-60	277-1-60
				NOTES 1 AND 5	NOTES 1 AND 5







Gilman & Associates, Inc. MECHANICAL & ELECTRICAL ENGINEERS 507 NORTH LAKESIDE DRIVE Lake Worth, FL 33460 C.A.#009078 (561) 582-0210 Fax (561) 582-8212 RONALD D. GILMAN P.E. #37933



DRAWN BY CD DR

REVISIONS

GLEN TORCIVIA

NORTHPOINT CORPORATE CENTER

PROJECT NUMBER NP17

WEST PALM BEACH, FL

701 NORTHPOINT PARKWAY

birse design inc. 5300 woodland lakes drive palm beach gardens, fl 33418 phone 561-249-4001 fax 772-409-8684

AA26001615

