HVAC GENERAL NOTES

1. ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL ORDINANCES AND BUILDING CODES GOVERNING THE INSTALLATION OF THE MECHANICAL SYSTEM. IF WORK AS LAID OUT, INDICATED OR SPECIFIED IS CONTRARY TO OR CONFLICTS WITH FIELD CONDITIONS, LOCAL ORDINANCES, BUILDING CODES AND REGULATIONS, THE CONTRACTOR SHALL REPORT IN WRITING TO THE ARCHITECT/ENGINEER BEFORE SUBMITTING A BID OR PROCEEDING WITH WORK. THE ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED.

2. THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, CHECK DRAWINGS OF ALL TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED AND MAINTAIN MAXIMUM HEAD ROOM, AND SPACE CONDITIONS AT ALL POINTS. COORDINATE LOCATION OF DUCTWORK WITH OTHER TRADES, PARTICULARLY WHERE DUCTS RUN THROUGH STRUCTURAL ELEMENTS. PROVIDE ALL NECESSARY SLEEVES BEFORE CONCRETE IS POURED. WHERE HEAD ROOM, OR SPACE CONDITIONS APPEAR INADEQUATE, ARCHITECT/ ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE FIELD MODIFICATION IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK.

3. EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID. CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND/OR CONNECT WITH APPROPRIATE SERVICES ALL PLUMBING ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, AIR CONDITIONING, ELECTRICAL AND SPRINKLER DRAWINGS WITHOUT ADDITIONAL EXPENSE TO THE OWNER. IF DISCREPANCIES, CONFLICTS, INTERFERENCE OR OMISSIONS OCCUR BETWEEN DRAWINGS, NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN AMPLE TIME TO PERMIT REVISIONS BEFORE THE BIDS ARE SUBMITTED.

4. INSTALL MATERIALS AND EQUIPMENT IN A NEAT AND FIRST CLASS WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ITEMS WHICH, IN HIS OPINION, DO NOT PRESENT A NEAT AND WORKMANLIKE APPEARANCE. REMOVAL AND REPLACEMENT IS TO BE DONE IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING, AT THE SOLE EXPENSE OF CONTRACTOR.

5. START OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM OF ALL CLAIMS OR QUESTIONS AS TO SUITABILITY OF THE WORK OF OTHER. TRADES OR OTHER CONTRACTORS TO RECEIVE HIS WORK. THIS CONTRACTOR SHALL REMOVE AND REPLACE, AT HIS EXPENSE, ALL MECHANICAL WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES.

6. THIS CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE, FEES, PERMITS, ASSOCIATION DUES, ROYALTIES AND TAXES OF WHATEVER NATURE SHALL APPLY TO THIS WORK. HE SHALL ALSO PAID ALL THE INSPECTION FEES AS MAY BE REQUIRED BY LAW OR ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF LAWS, RULES OR ORDINANCES.

7. PROVIDE MEANS "FURNISH AND INSTALL".

8. DO A COMPLETE JOB, EVERYTHING CONNECTED, READY FOR USE.

9. SHOP DRAWINGS: CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF EQUIPMENT PRIOR TO PURCHASE FOR APPROVAL.

10. AT COMPLETION OF JOB THE MECHANICAL CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLE DRAWINGS SHOWING THE EXACT LOCATION OF ALL INSTALLATIONS.

11. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE H.V.A.C. SYSTEM IN ACCORDANCE WITH THESE DRAWINGS. THE FLORIDA BUILDING CODE AND THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS:
a) ANS B91. MECHANICAL REFRIGERATION
b) NFPA PAMPHLETS 90A & 91
c) SMACNA
d) ASHRAE

12. ALL SUPPLY AIR CONDITIONING DUCTWORK SHALL BE 1½" STANDARD DUTY (R-6) FULL REINFORCED FIBERGLASS WITH MANUFACTURE LOGO PRINTED ON THE VAPOR BARRIER WHEN IN UNCONDITIONED SPACE, AND 3/4" STANDARD DUTY FOIL REINFORCED FIBERGLASS (R-4) WITH MANUFACTURE LOGO PRINTED ON THE VAPOR BARRIER IN CONDITIONED SPACE OR RETURN PLENUM SPACE. R-6 FLEXIBLE DUCTS ARE ACCEPTABLE AS SHOWN ON DRAWINGS.

13. ALL EXHAUST AIR DUCTWORK SHALL BE CODE GAGE GALVANIZED SHEET METAL.

14. DUCT SIZES SHOWN ARE NET FREE AREA.

15. ALL AIR DEVICES (DIFFUSERS, REGISTERS, AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION, WITH EXPOSED SURFACE CHEMICALLY TREATED TO RECEIVE PAINT TO MATCH COLOR OF AIRGUIDE OR APPROVED EQUAL.

16. PROVIDE TURNING VANES AT ALL ELBOWS. PROVIDE MULTIPLE VANE EXTRACTORS OR SPLITTERS WITH CONTROL RODS AT ALL OUTLETS CONNECTED CLOSER THAN TWO DUCT DIAMETERS TO MAIN SUPPLY DUCT AND WHERE SHOWN ON DRAWINGS. PROVIDE ALL NECESSARY ACCESS PANELS TO CONTROL VALVES, DAMPERS, ETC.

17. REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TYPE "L" HARD OR SOFT DRAWN OR ACR COPPER TUBING WITH WROUGHT COPPER SOLDER JOINT FITTINGS. SOLDER SHALL BE 95/5, APPLIED WITH SUITABLE FLUX. INSULATE REFRIGERANT SUCTION PIPING WITH 3/4" FIRE RESISTANT FOAM PLASTIC OR CLOSED CELL POLYETHYLENE PRE-MOLDED PIPE INSULATION.

18. ALL CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL SUB-CONTRACTOR. MECHANICAL SUB CONTRACTOR TO FURNISH ALL MOTORS, STARTERS, AND RELAYS, ETC.

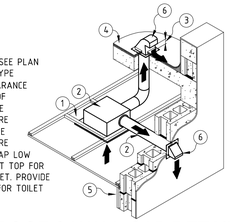
19. FOR INSTALLATION OF ANY ROOF OR WALL MOUNTED EQUIPMENT REFER TO ARCHITECTURAL STRUCTURAL ENGINEERING DRAWINGS.

FAN SCHEDULE

FAN DESIGNATION	EF-1
AREA SERVED	TOILET
LOCATION	CEILING
MANUFACTURER	PANASONIC
MODEL NO.	FV-05VK3
TOTAL AIR (CFM)	50
E.S.P. (INCHES OF WATER)	0.1"
SONES	<0.3
H.P. (A=AMP - W=WATTS)	7 W
VOLT-PH-HZ	120-1-60
DRIVE	DIRECT
BACKDRAFT DAMPER	YES
INTERLOCK	LIGHT SWITCH

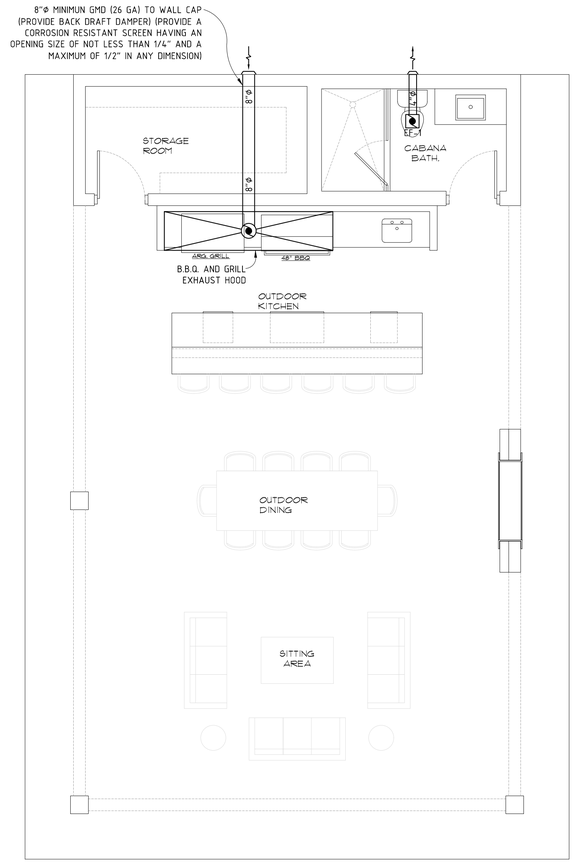
REMARKS:
1. ALTERNATE MANUFACTURERS OF EQUAL OR BETTER QUALITY MAY BE SUBMITTED FOR APPROVAL.
2. UNLESS OTHERWISE NOTED ALL FANS SHALL BE EQUIPPED WITH SAFETY DISCONNECT SWITCH.

NOTES
1 - EXHAUST FAN
2 - EXHAUST DUCT SEE PLAN FOR SIZE AND TYPE
3 - MINIMUM 6" CLEARANCE FROM FINISH ROOF
4 - ROOF STRUCTURE SEE ARCHITECTURE
5 - WALL STRUCTURE SEE ARCHITECTURE
6 - PROVIDE W/P. CAP LOW PROFILE B.D.D. AT TOP FOR DRYER AND TOILET. PROVIDE INSECT SCREEN FOR TOILET EXHAUST ONLY.



TYPICAL ROOF & WALL CAP DETAIL DRYER AND / TOILET EXH.

(TYPICAL) N.T.S.



MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

DESIGN REQUIREMENTS

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

HVAC LEGEND

8Ø	NEW ROUND DUCT DIAMETER
	EXHAUST FAN
EA	EXHAUST AIR

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PROJECT NAME:

GOMEZ DRIVEWAY & BACKYARD REMODEL

OWNER:
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11040 SW 69th AVENUE
PINECREST, FL 33156

JOB NUMBER: 2024.01
DATE: 06.17.2024

REVISION

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MECHANICAL FLOOR PLAN

DRAWING NO:

M1.00

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