AIR HANDLING UNIT

DESIGNATION	CFM	MBTUH		ENTERING F		ELECTRICAL DATA					MANUFAC.	AIR HANDLER	OBS		
		TOTAL	SENSIBLE	WB	DB	VOLTS	PHASES	HTNG KW	WIRE AMPS +	FUSES			LIQ.	SUC.	COND.
AHU-1	1600	46	34.5	67	80	230	1	10	45	50	TRANE	TEM6A0C42	3/8	7/8	3/4

CONDENSING UNIT

DESIGNATION	MBTUH	TEMP. ENT. CONDENSER	ELECTRICAL DATA				MANUFAC.	REF. UNIT	SEER	AREA SERVED
			VOLTS	PHASES	WIRE AMPS	FUSES				
CU-1	48	95	230	1	24	40	TRANE	4TTR5042N	15.4	ADDITION

SLIM DUCT AIR HANDLING UNIT

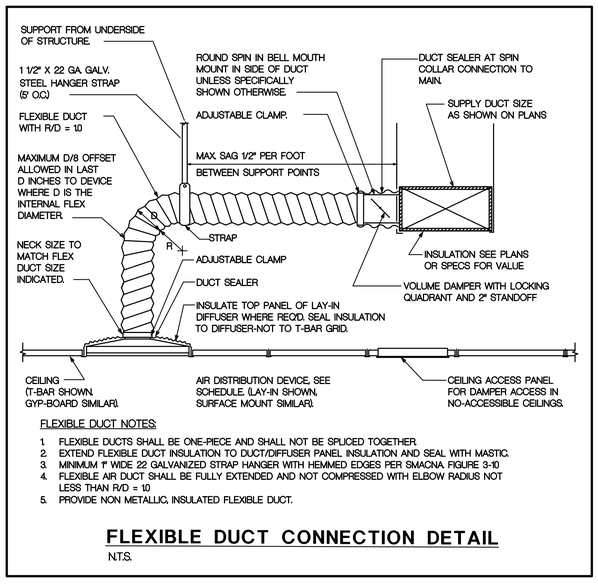
DESIGNATION	CFM	MBTUH		ENTERING F		ELECTRICAL DATA				MANUFACTURER	AIR HANDLER	OBS		
		TOTAL	SENSIBLE	WB	DB	VOLTS	PHASES	WIRE AMPS	FUSES			LIQ.	SUC.	COND.
AHU-A	250	9	7	67	80	230	1	5	*	TRANE	NTXWST09A112A	1/4	3/8	5/8
AHU-B	250	9	7	67	80	230	1	5	*	TRANE	NTXWST09A112A	1/4	3/8	5/8

* AHU POWERED VIA CONDENSING UNIT

MINI SPLIT CONDENSING UNIT - HEAT PUMP

DESIGNATION	MBTUH (COOLING)	MBTUH (HEATING)	TEMP. ENT. CONDENSER	ELECTRICAL DATA				MANUFAC.	REF. UNIT	SEER (COOLING)	HSPF (HEATING)	AREA SERVED
				VOLTS	PHASES	WIRE AMPS	FUSES					
CU-A	9	9	95	230	1	17	25	TRANE	NTXSST09A112AA	20	9.8**	WORKSHOP
CU-B	9	9	95	230	1	17	25	TRANE	NTXSST09A112AA	20	9.8**	GARAGE

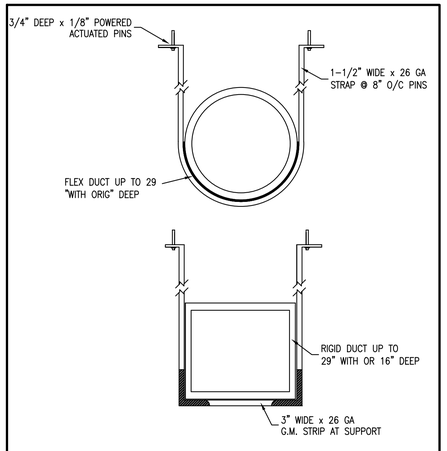
** SYSTEM WITH INVERTER HEAT PUMP



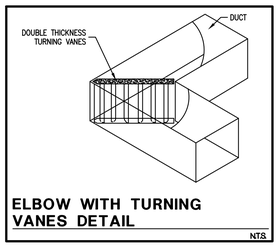
FLEXIBLE DUCT NOTES:

1. FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPLICED TOGETHER.
2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.
3. MINIMUM 1" WIDE 22 GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA, FIGURE 3-10
4. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NOT LESS THAN R/D = 1.0
5. PROVIDE NON METALLIC, INSULATED FLEXIBLE DUCT.

FLEXIBLE DUCT CONNECTION DETAIL
N.T.S.



DUCT HANG DETAIL



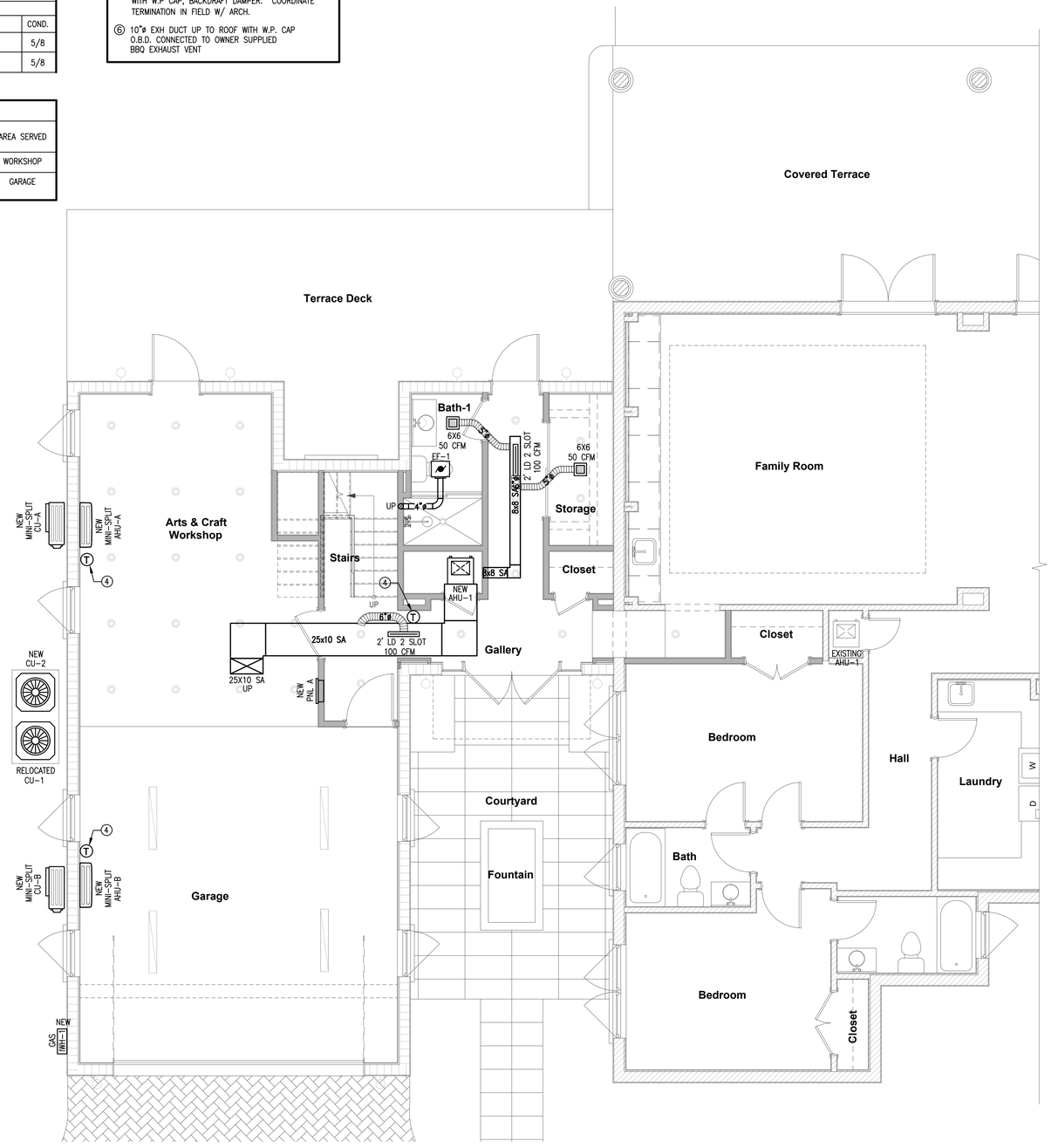
ELBOW WITH TURNING VANES DETAIL
N.T.S.

KEY NOTES HVAC

1. EXHAUST FAN W/ 4"ø DUCT THRU ROOF W/ W.P. CAP, O.B.D & CORROSION RESISTANT WIRE MESH. COORDINATE TERMINATION IN FIELD W/ ARCH.
2. EXHAUST FAN W/ 4"ø DUCT THRU WALL W/ W.P. CAP, O.B.D & CORROSION RESISTANT WIRE MESH. COORDINATE TERMINATION IN FIELD W/ ARCH.
3. OWNER SUPPLIED RANGE HOOD EXHAUST FAN W/ EXH DUCT THRU WALL. TOTAL AIR VOLUME TO BE LESS THAN 400 CFM AS PER 2020 FBC-M
4. THERMOSTAT MOUNTED 48" A.F.F.
5. DRYER EXHAUST. 4"ø GMD 26 GA THRU ROOF. WITH W.P CAP, BACKDRAFT DAMPER. COORDINATE TERMINATION IN FIELD W/ ARCH.
6. 10"ø EXH DUCT UP TO ROOF WITH W.P. CAP O.B.D. CONNECTED TO OWNER SUPPLIED BBQ EXHAUST VENT

EF - 1 SHALL BE:
MANUF : NUTONE
MODEL : XN50
50 CFM
F.L.A : 0.8
ELECTRICAL SERVICE: 120/1/60
REMARKS : WATER & VAPOR PROOF W/ HUMIDITY SENSOR & LIGHT INDICATING SWITCH

EF - 2 SHALL BE:
MANUF : NUTONE
MODEL : QTXEN110H
110 CFM
F.L.A : 0.8
ELECTRICAL SERVICE: 120/1/60
REMARKS : WATER & VAPOR PROOF W/ HUMIDITY SENSOR & LIGHT INDICATING SWITCH



Proposed House 1st Level - Mechanical
1/4" = 1'-0"

NOVUS Archetype
architecture / interior / planning

NOVUS Archetype, LLC
12721 SW 30th ST. MIAMI, FL 33175
PH: (305) 505-6910
email: julio@novusarchetype.com
AA26001460
Qualifier: Julio Pulido, AIA
License #: AR93904
Qualifier : Salvador Ben Mitrani, NCARB
License # : AR99606

ROLANDO MAQUEIRA LICENSE No. 55482 STATE OF FLORIDA PROFESSIONAL ENGINEER
04-16-2023

Maqueira Engineering Consultants, Inc.
CA #9088

Rolando Maqueira, PE
PE #55482

7220 SW 39th Terrace
Miami, Florida 33155
Tel: 305.669.5595
cad@maqueira.com

Rolando Maqueira

Digitally signed by Rolando Maqueira
DN: c=US, o=MAQUEIRA ENGINEERING CONSULTANTS, dnQualifier=A01410D0000017 8F0A298 5F000F43D5, cn=Rolando Maqueira
Date: 2023.04.18 14:30:37 -04'00'

Eva Vaccaro

2-Story Addition

12940 SW 63 Ave Pinecrest Fl 33156

No.	Description	Date

Project number	22-012
Date	04-16-2023
Drawn by	NA
Checked by	RM

SHEET TITLE

Proposed House 1st Level Floor Plan

SHEET No.

M200