

MECHANICAL SYMBOLS (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)	
DUCT (DUCTWORK)	DUCT (DUCTWORK) CONT.
SUPPLY AIR DIFFUSER - ARROWS INDICATE PATTERN. NO PATTERN SHOWN EQUALS 4-WAY. RETURN AIR DEVICE EXHAUST DEVICE SUPPLY AIR SLOT DEVICE RETURN AIR SLOT DEVICE ROUND DUCT. DIAMETER INDICATED IN INCHES. RECTANGULAR DUCT. SIZE INDICATED IN INCHES. FIRST NUMBER IS SIDE SHOWN. RIGID ROUND DUCT TO FLEX SINGLE LINE SUPPLY AIR DUCTWORK SINGLE LINE RETURN AIR DUCTWORK SPIN-IN TAKE OFF-FITTING WITH DAMPER AND SCOOP SPIN-IN TAKE OFF-FITTING ONLY SUPPLY OR OUTSIDE AIR DUCT RETURN AIR DUCT. RELIEF OR EXHAUST AIR DUCT. DIFFUSER/GRILLE LABEL: - TYPE/DESIGNATION - AIRFLOW (CFM) - NECK SIZE (INCHES) 90 DEGREE DUCT ELBOW. RADIUS DUCT ELBOW - ROUND OR RECTANGULAR. RECTANGULAR DUCT BRANCH TAKE-OFF WITH 45 DEGREE BRANCH INLET. FLARED SPIN-IN WITH DAMPER AND FLEX DUCT (DIFFUSER CONNECTION). ROUND DUCT BRANCH TAKE-OFF FROM RECTANGULAR MAIN WITH CONICAL TAP. DUCT SIZE TRANSITION. REQUIRED NECK SIZE SA DUCT, SPIN-IN DAMPER, FLEX DUCT TO AIR DEVICE WITH CFM REQUIRED CFM SUPPLY OR OUTSIDE AIR DUCT UP SUPPLY OR OUTSIDE AIR DUCT DOWN RETURN AIR DUCT UP RETURN AIR DUCT DOWN RELIEF OR EXHAUST AIR DUCT UP RELIEF OR EXHAUST AIR DUCT DOWN IN-LINE 90 DEGREE DROP (RISE) IN DUCT INCLINED RISE IN DUCT INCLINED DROP IN DUCT TURNING VANES DUCT EXTRACTOR SPLITTER DAMPER W NECK SIZE DUCT MOUNTED HEATING COIL	DUCT MOUNTED HUMIDIFIER MOTORIZED DAMPER DAMPER TYPE: OPPOSITE BLADE MANUAL DAMPER FIRE DAMPER W ACCESS DOOR FIRE SMOKE DAMPER W ACCESS DOOR FIRE DAMPER BAROMETRIC BY-PASS DAMPER (BBP) BACKDRAFT DAMPER (BDD) EXISTING TO REMAIN EXISTING TO REMOVE FUTURE DUCT TO BE INSTALLED AIR TRANSFER GRILLE
PIPING TYPES	
CD CONDENSATE DRAIN (COLD) GRAVITY RG REFRIGERANT HOT GAS RL REFRIGERANT LIQUID LINE	
MISCELLANEOUS	
UNDERCUT DOOR 1" DUCT SMOKE DETECTOR SPACE THERMOSTAT HUMIDISTAT TEMPERATURE SENSOR HUMIDITY SENSOR SPACE THERMOSTAT WITH REMOTE SENSOR THERMOSTAT/HUMIDISTAT PNEUMATIC TUBING OR CONTROL WIRING DRAWING NOTE REFERENCE OVAL OR FLAT OVAL SECTION MARK & PAGE OCCUPANCY SENSOR. POINT OF NEW CONNECTION LIMIT OF DEMOLITION EXISTING TO BE REMOVED	
DRAWING/DETAIL REFERENCE KEY	
REFER TO DRAWING/DETAIL NUMBER SHEET NUMBER	

AIR DISTRIBUTION SCHEDULE (ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)						
Mark	Description	Material	Finish	Manufacturer	Model	Remarks
CD	Ceiling Diffuser - Square and Rectangular with opposed blade volume damper.	Aluminium	Baked Off-White Enamel	PRICE	ASCD	2,3,5
DG	Transfer Grille, fixed 45° angle, Blade with 1/2" spacing.	Aluminium	Baked Off-White Enamel	PRICE	ATG1	1,2,3,5
EAL	Exhaust Air Louver, Flange Frame with Bird Screen, Wind Driven Rain type Louver	Aluminium	Aluminium	GREENHECK	EHH601D	-
OAL	Outside Air Louver, Flange Frame with Bird Screen, Wind Driven Rain type Louver	Aluminium	Aluminium	GREENHECK	EHH601D	-
RAG	Eggcrate Return	Aluminium	Baked Off-White Enamel	PRICE	85 Series	1,2,3,4,5
REG-2	Double Deflection Supply Air Register Blade with 3/4" spacing.	Aluminium	Baked Off-White Enamel	TITUS	300FL	2,3,4,5

Remarks:

- Paint flat black inside of ducts behind grilles. provide duct collar with all grilles.
- See architectural ceiling plan for frame type.
- Provide surface mount border for hard ceiling.
- Provide with plenum.
- Insulated plenum.

FACE SIZE
 SCHEDULED DESIGNATOR, I.E.
 AIR QUANTITY IN CUBIC FEET PER MINUTE

BRANCH DUCT SIZE CHART		
CFM	SUPPLY	RETURN
	BRANCH DUCT SIZE(Ø")	BRANCH DUCT SIZE(Ø")
0-100	6	8
101-150	8	10
151-250	8	10
251-380	10	12
381-550	12	14
551-750	14	16
751-950	14	16

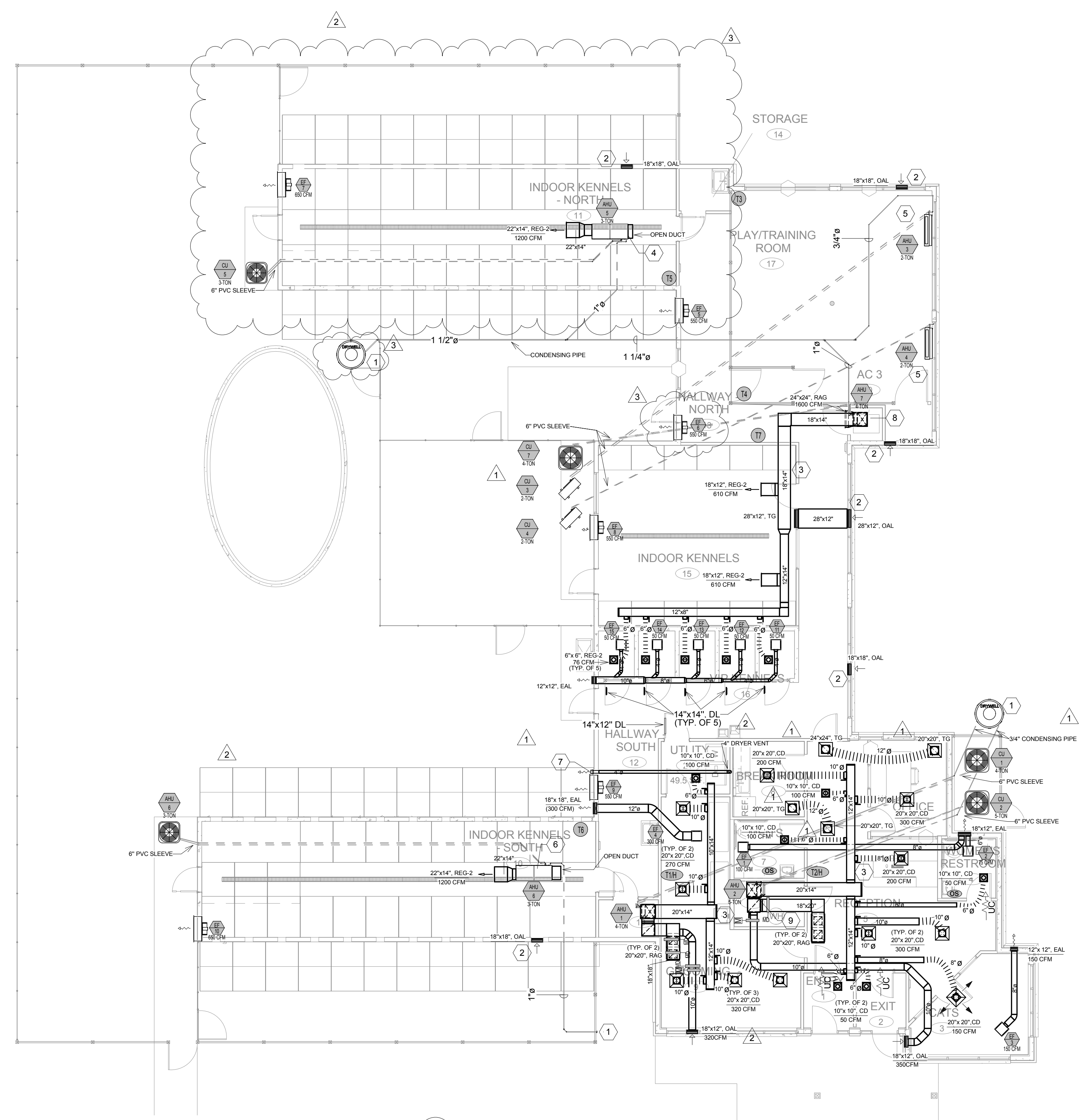
INTERIOR HELIX SHALL BE ALUMINIUM TYPE FLEX-MASTER NI-35

THERMOSTAT SCHEDULE						
MARK	SERVICE & LOCATION	OCCUPIED		UNOCCUPIED		%RH
		COOLING	HEATING	COOLING	HEATING	
T1H	DOG BATH AREA	78	72	80	60	55
T2H	HALLWAY SOUTH	78	72	80	60	55
T3	PLAY TRAINING ROOM	78	72	80	60	55
T4	PLAY TRAINING ROOM	78	73	80	60	55
T5	INDOOR KENNELS NORTH	78	72	80	60	55
T6	INDOOR KENNELS SOUTH	78	72	80	60	55
T7	HALLWAY-NORTH	78	72	80	60	55

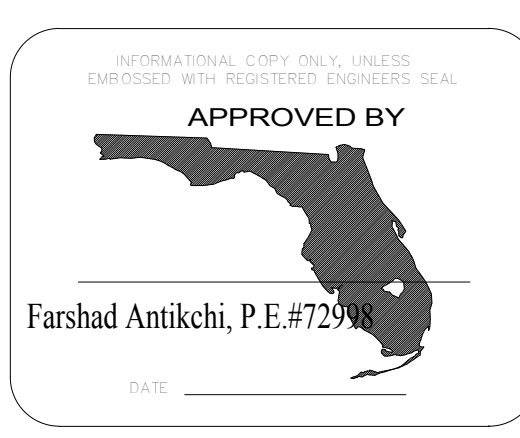
NOTES:

- CONTRACTOR SHALL COORDINATE EXACT OPERATIONAL TIMES WITH OWNER/MANAGER PRIOR TO PROGRAMMING.

REFERENCE NOTES:	
1	CONDENSATE DRAIN SHALL BE DISPOSED IN DRYWELL OR TO OTHER PROPER LOCATION PER FBCP 314.2.1.
2	OUTSIDE AIR LOUVER (O.A.L) WITH SCREEN AND DAMPER. MINIMUM 8' A.F.F.
3	DUCTWORK SHALL BE FIBERGLASS BOARD.
4	AHU-5 SHALL BE INTERLOCKED WITH EF-7.
5	AHU-3/4 SHALL BE INTERLOCKED WITH EF-5/6.
6	AHU-6 SHALL BE INTERLOCKED WITH EF-10.
7	4" WALL VENT WITH SCREEN & DAMPER.
8	AHU-7 SHALL BE INTERLOCKED WITH EF-8/EF-11/EF-12/EF-13/EF-14/EF-15.
9	AHU-2 WITH 350 CFM O.A SHALL KEEP THE AREA POSITIVE WHEN EF-1/EF-2/EF-3 ARE WORKING. EF-1/EF-2/EF-3 HAVE NOT BEEN SPECIFIED FOR CONTINUOUS RUN.
10	AHU-1 WITH 320 CFM O.A SHALL KEEP THE AREA POSITIVE WHEN EF-4 IS WORKING. EF-4 HAS NOT BEEN SPECIFIED FOR CONTINUOUS RUN.



1 Mechanical Floor Plan
1/8" = 1'-0"



#	DESCRIPTION	DATE	BY
1	City Comments	07/10/18	
2	Owner Changes	08/27/18	
3	Owner Changes	12/04/18	

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OVIEDO PET RESORT
 2079 WINTER SPRINGS BLVD.
 OVIEDO, FLORIDA 32765

DRWNGS APVD: FA
 DATE: 03/03/2018
 SCALE: AS SHOWN
 JOB NUMBER: EPG18017
 SHEET: M-1