MECHANICAL LEGEND

- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- PERFORATED RETURN AIR PANEL
- OR — DIRECTIONAL AIR FLOW
- MANUAL VOLUME DAMPER
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
- RETURN AIR DUCT UP & DOWN
- EXHAUST AIR DUCT UP & DOWN
- VAV TERMINAL UNIT
- VVT TERMINAL UNIT
- (E) — EXISTING
- CONNECT TO EXISTING
- T AC-4 — THERMOSTAT OR TEMP. SENSOR
- ? — NOTE
- XX ? — EQUIPMENT DESIGNATOR
- BALL VALVE
- GATE VALVE
- CHECK VALVE
- BALANCING VALVE
- THERMOMETER
- DIRECTION OF FLOW
- PUMP
- STRAINER
- PRESSURE GAUGE
- PETE'S PLUG
- DOUBLE CHECK ASSEMBLY
- PRESSURE REDUCING VALVE
- UNION
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- CAP
- S — SMOKE DETECTOR
- MOTORIZED DAMPER

AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
B.D.	BOTTOM OF DUCT
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNITS
CFM	CUBIC FEET PER MINUTE
CONN.	CONNECTION
CONT.	CONTINUATION
CW	DOMESTIC COLD WATER
DB	DRY BULB
DIA.	DIAMETER
DIST.	DISTRIBUTION
EA	EXHAUST AIR
EDB	ENTERING DRY BULB TEMPERATURE
EWB	ENTERING WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
FF	FINISH FLOOR
FIXT.	FIXTURE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT.	FEET / FOOT
GA.	GAUGE
GPM	GALLONS PER MINUTE
H	HEIGHT
HP	HORSEPOWER
I.D.	INSIDE DIAMETER
IN.	INCHES
L	LENGTH
LBS.	POUNDS
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MBH	THOUSANDS OF BTUs PER HOUR
MIN.	MINIMUM
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
N.I.M.	NOT IN MECHANICAL
NO.	NUMBER
N.O.	NORMALLY OPEN
O.A.	OUTSIDE AIR
P	PERSON
PSI	POUNDS PER SQUARE INCH
P/T	PRESSURE / TEMPERATURE
R.A.	RETURN AIR
RECT.	RECTANGULAR
REQ'D	REQUIRED
S.A.	SUPPLY AIR
S.P.	STATIC PRESSURE
SQ.	SQUARE
TEMP.	TEMPERATURE
TYP.	TYPICAL
VAV	VARIABLE AIR VOLUME
W	WIDTH
WB	WET BULB
WPD	WATER PRESSURE DROP
ø	DIAMETER

- (E) EXISTING
- (D) DEMOLISH
- NEW WORK
- HWS — (HWS) HEATING WATER SUPPLY
- HWR — (HWR) HEATING WATER RETURN
- FIRE DAMPER
- FIRE / SMOKE DAMPER
- SMOKE DAMPER

SEISMIC BRACING

- LATERAL BRACING
- LONGITUDINAL BRACING
- LONGITUDINAL & LATERAL BRACING

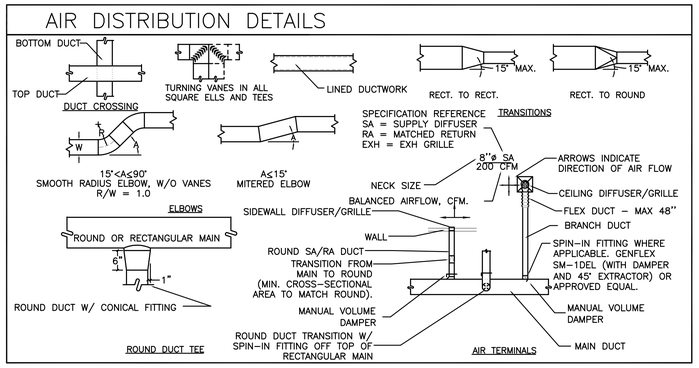
DUCTLESS SPLIT SYSTEM HEAT PUMP– ALF

OUTDOOR MARK NUMBER	OAC 1	OAC 2	OAC 3	OAC 4	OAC 5	OAC 6
SYSTEM	ACTIVITY	LIVING/EXERCISE	LIVING/EXERCISE	2ND FLOOR SITTING	LIVING/EXERCISE	TV ROOM
TYPE	3–PORT HEAT PUMP	2–PORT HEAT PUMP	5–PORT HEAT PUMP	2–PORT HEAT PUMP	2–PORT HEAT PUMP	1–PORT HEAT PUMP
NORMAL COOLING CAPACITY	36,000 BTUH	24,000 BTUH	36,000 BTUH	24,000 BTUH	24,000 BTUH	10,900 BTUH
NORMAL HEATING CAPACITY	36,000 BTUH	24,000 BTUH	36,000 BTUH	24,000 BTUH	24,000 BTUH	13,300 BTUH
EFFICIENCY SEER	17.7	17.9	17.7	17.9	17.9	15.0
EFFICIENCY HSPF/COP	12.2/4.5	12.5/4.6	12.2/4.5	12.5/4.6	12.5/4.6	8.2/3.86
REFRIGERANT	410 A	410 A	410 A	410 A	410 A	410 A
REFRIGERANT CHARGE	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS
MAX OPERATING TEMPS	115/5	115/5	115/5	115/5	115/5	115/5
MAX PIPING LENGTH	230	230	230	230	230	66
MAX PIPING HEIGHT	49.0	49.0	49.0	49.0	49.0	49.0
VOLTS–PHASE	208/1	208/1	208/1	208/1	208/1	208/1
MCA/MOP	19.8/20 AMPS	18.7/20 AMPS	19.8/20 AMPS	18.7/20 AMPS	18.7/20 AMPS	12.2/15
COMPRESSOR	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
WEIGHT	150 LBS	150 LBS	150 LBS	150 LBS	150 LBS	150 LBS
BASIS OF DESIGN – DAIKIN	4MXS36NMVJU	3MXS24NMVJU	4MXS36NMVJU	3MXS24NMVJU	3MXS24NMVJU	RXN12NMVJU
INDOOR MARK NUMBER	IAC 1.1A, IAC 1.1B / IAC 1.2	IAC 2.1 / IAC 2.2	IAC 3.1 TO IAC 3.5	IAC 4.1 / IAC 4.2	IAC 5.1A, IAC 5.1B	IAC 6
TYPE	2'X2' CEILING CASETTE / WALL MOUNTED	2'X2' CEILING CASETTE / 2'X2' CEILING CASETTE	WALL MOUNTED	WALL MOUNTED / WALL MOUNTED	2'X2' CEILING CASETTE	WALL MOUNT
NORMAL COOLING CAPACITY	12,000 BTUH / 7,000 BTUH	9,500 BTUH / 15,000 BTUH	7,000 BTUH	9,500 BTUH / 15,000 BTUH	12,000 BTUH	12,000 BTUH
NORMAL HEATING CAPACITY	14,000 BTUH / 8,500 BTUH	11,100 BTUH / 17,500 BTUH	8,500 BTUH	11,100 BTUH / 17,500 BTUH	14,000 BTUH	14,000 BTUH
AIRFLOW RATE HI/LOW	353/230 / 350–220	318/230 / 424/283	350–220	420–220 / 593–371	353/230	434–145
POWER SUPPLY	POWERED FROM OAC	POWERED FROM OAC / POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC / POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC
WATTS	55 WATTS / 23 WATTS	55 WATTS / 55 WATTS	23 WATTS	40 WATTS / 48 WATTS	55 WATTS	40 WATTS
WEIGHT	40 LBS / 20 LBS	40 LBS / 40 LBS	20 LBS	20 LBS / 30 LBS	40 LBS	40 LBS
BASIS OF DESIGN – DAKIN	FFQ12LVJU / CTXS07LVJU	FFQ09LVJU / FFQ15LVJU	CTXS07LVJU	CTXS09LVJU / FTXS15LVJU	FFQ12LVJU	FTXN12NMVJU

DUCTLESS SPLIT SYSTEM HEAT PUMP– MEMORY CARE

OUTDOOR MARK NUMBER	OAC 7	OAC 8	OAC 9	OAC 10	OAC 11	OAC 12
SYSTEM	MC UNITS	MC UNITS	MC UNITS	MC UNITS	FAMILY	FAMILY
TYPE	6–PORT HEAT PUMP	6–PORT HEAT PUMP	6–PORT HEAT PUMP	6–PORT HEAT PUMP	SINGLE HEAT PUMP	SINGLE HEAT PUMP
NORMAL COOLING CAPACITY	48,000 BTUH	48,000 BTUH	48,000 BTUH	48,000 BTUH	17,000 BTUH	17,000 BTUH
NORMAL HEATING CAPACITY	54000 BTUH	54000 BTUH	54000 BTUH	54000 BTUH	18,000 BTUH	18,000 BTUH
EFFICIENCY SEER	18.8	18.8	18.8	18.8	15.0	15.0
EFFICIENCY HSPF/COP	11.3/3.0	11.3/3.0	11.3/3.0	11.3/3.0	8.2/3.82	8.2/3.82
REFRIGERANT	410 A	410 A	410 A	410 A	410 A	410 A
REFRIGERANT CHARGE	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS	2.1 LBS
MAX OPERATING TEMPS	115/5	115/5	115/5	115/5	115/5	115/5
MAX PIPING LENGTH	230	230	230	230	98	98
MAX PIPING HEIGHT	49.0	49.0	49.0	49.0	65.0	65.0
VOLTS–PHASE	208/1	208/1	208/1	208/1	208/1	208/1
MCA/MOP	27/30AMPS	27/30AMPS	27/30AMPS	27/30AMPS	18.3/20AMPS	18.3/20AMPS
COMPRESSOR	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER	INVERTER
WEIGHT	150 LBS	150 LBS	150 LBS	150 LBS	150 LBS	150 LBS
BASIS OF DESIGN – DAIKIN	RMXS48NMVJU	RMXS48NMVJU	RMXS48NMVJU	RMXS48NMVJU	RX18NMVJU	RX18NMVJU
INDOOR MARK NUMBER	IAC 7.1 TO IAC 7.6	IAC 7.1 TO IAC 7.6	IAC 7.1 TO IAC 7.6	IAC 7.1 TO IAC 7.6	IAC 11	IAC 11
TYPE	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
NORMAL COOLING CAPACITY	7,000 BTUH	7,000 BTUH	7,000 BTUH	7,000 BTUH	17,000 BTUH	17,000 BTUH
NORMAL HEATING CAPACITY	8,500 BTUH	8,500 BTUH	8,500 BTUH	8,500 BTUH	18,000 BTUH	18,000 BTUH
AIRFLOW RATE HI/LOW	350–220	350–220	350–220	350–220	713–660	713–660
POWER SUPPLY	POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC	POWERED FROM OAC
WATTS	23 WATTS	23 WATTS	23 WATTS	23 WATTS	23 WATTS	23 WATTS
WEIGHT	20 LBS	20 LBS	20 LBS	20 LBS	20 LBS	20 LBS
BASIS OF DESIGN – DAKIN	CTXS07LVJU	CTXS07LVJU	CTXS07LVJU	CTXS07LVJU	FTX18NMVJU	FTX18NMVJU

AIR DISTRIBUTION DETAILS



BRANCH PROVIDER BOX

MARK NUMBER	BP 7.1 / BP 7.2	BP 8.1 / BP 8.2	BP 9.1 / BP 9.2	BP 10.1 / BP 10.2
TYPE	FOR MC MULTI–SPLIT SYSTEMS	FOR MC MULTI–SPLIT SYSTEMS	FOR MC MULTI–SPLIT SYSTEMS	FOR MC MULTI–SPLIT SYSTEMS
SYSTEM	RESIDENT UNITS	RESIDENT UNITS	RESIDENT UNITS	RESIDENT UNITS
V/PH	208/1	208/1	208/1	208/1
MCA/MOCP	0.10/15	0.10/15	0.10/15	0.10/15
# OF PORTS	115/1	115/1	115/1	115/1
BASIS OF DESIGN:	DAIKIN BPMKS049A3U	DAIKIN BPMKS049A3U	DAIKIN BPMKS049A3U	DAIKIN BPMKS049A3U

PROGRESS SET

REDMOND ADULT LIVING AND MEMORY CARE FACILITY

Revisions:

Drawing Title:

MECHANICAL LEGENDS AND EQUIPMENT SCHEDULES

Date :	Drawn By :
Revised Date :	Project No.
Stamp: PRELIMINARY - NOT FOR CONSTRUCTION	Sheet No. M6.1 of

BLRB ARCHITECTS, P.S.