
VILLAGES AT WAIPIO AOA
REQUEST FOR AIR CONDITIONER INSTALLATION

SPLIT A/C SYSTEM

INSTALLATION ONLY

IN ACCORDANCE WITH THE BYLAWS/HOUSE RULES

ARTICLE IV BUILDING MODIFICATIONS #7

Return completed form to:

Resident Manager

94-1491 Waipio Uka St.

Waipahu, HI 96797

-
1. Split A/C systems must be pre-approved by the Board of Directors
 2. Documents required for consideration
 - a) Cite map identifying apartment location
 - b) Bldg type drawing reflecting location of apartment
 - c) Sketch reflecting location of outside A/C unit, locations of inside A/C blower
 - d) Electrical Schematic (see example)
 - e) External Elevation showing locations of concrete slab, A/C unit, locations of indoor fans & piping. (see example)
 - f) System Schematic
 - g) City & County Building Permit
 3. **All external piping must be enclosed and painted to match building colors in area of attachment.**
 4. Any A/C unit creating unacceptable noise levels will have to be replaced or removed.
 5. Damage to your unit, individuals and/or any other unit or common element, resulting from the installation or subsequent removal of units is the Owner's responsibility.
 6. In the event of sale of unit, all responsibilities herein will be conveyed to the new Owners. A copy of this approved request should be retained in your file.
 7. Approval or disapproval of this application is for aesthetic purposes only, and does not in any way indicate any opinion of safety, structural quality or soundness of the building plan.

OWNER'S NAME

HOME PHONE #

ADDRESS

UNIT #

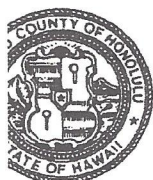
OWNER'S SIGNATURE

DATE

For Office Use Only

APPROVED

DATE



DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET * HONOLULU, HAWAII 96813

Phone: (808) 768-8220 * Fax: (808) 768-6111

PAID RECEIPT

BUSINESS ACTUAL TIME DRW
 7/29/2013 7/26/2013 15:16:17 1000

RES 0101 WALKIN DC DC
 >>RECEIPT # 400458 7/26/2013 OFLN
 Dept 9034 6238 BUILDING

BUILDING PERMIT

FOR THE PERFORMANCE OF WORK UNDER THE
 BUILDING ELECTRICAL, PLUMBING, AND SIDEWALK CODES
 CHAPTERS 16, 17, 19, AND 20, RESPECTIVELY, AND UNDER CHAPTER 18
 (FEES AND PERMITS) OF THE REVISED ORDINANCES OF
 THE CITY AND COUNTY OF HONOLULU

Receipt Tot \$111.00
 \$111.00 OK \$1.00 CA

LOCATION

Zone	Section	Plat	Parcel
9	4	099	073

94-1449 WAIPIO UKA ST Waipahu 96797

470,230 Sq. Ft.

\$111.00

PERMIT FEE

Type of Payment(s)

- Cash
- Check
- Charge

Address (if other than primary):

Accepted Value of Work: **\$5,000**

PROJECT:

**P #728552 [TMK: 94099073] 94-1449 WAIPIO UKA ST, UNIT #S101 - TYLER TAMASHIRO -- (1X) SPLIT A/C
 UNIT. CONDENSING UNIT LOCATED OUTSIDE OF LIVING ROOM (2013/IBP05681)**

TYPE OF WORK

Electrical Work Y

Air Conditioning Y

RIGHT-OF-WAY WORK

Driveway: New: Existing: Private:

Sidewalk Types:

Curbing Types:

Driveway Types:

Linear Ft. of Sidewalk:

Linear Ft. of Curbing:

Linear Ft. of Driveway:

Please notify the Building Inspector listed below at least 24 hours before starting work in the Right-Of-Way.

GENERAL CONTRACTOR

NAME

Contact Info:

Lic. No.:

NOTES

ISSUED: 07/26/2013

Location Permit Issued: **FMB**

Application Created: **FMB**

Permission is hereby given to do above work according to conditions hereon and according to approved plans and specifications pertaining thereto, subject to compliance with ordinances and laws of the City and County of Honolulu and State of Hawaii.

Richard Gonsales

FOR DIRECTOR OF DEPARTMENT OF PLANNING AND PERMITTING

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE ON THE SITE DURING THE PROGRESS OF WORK. THIS PERMIT MAY BE REVOKED IF WORK IS NOT STARTED WITHIN 180 DAYS OF DATE OF ISSUANCE OR IF WORK IS SUSPENDED OR ABANDONED FOR 120 DAYS.

ELECTRICAL AND PLUMBING WORK TO BE DONE BY LICENSED PERSONS AS REQUIRED UNDER CHAPTER 448 E, HAWAII REVISED STATUTES.

NOTICE TO HOMEOWNERS: This is to inform all homeowners that improvements to your home may require approval by your Homeowners Association or authorized representative prior to the commencement of construction.

Approval by the Department of Planning and Permitting does not certify compliance with the Covenants, Conditions and Restrictions or other design restrictions administered and enforced by your Homeowners Association.

CONSTRUCTION UNDER THIS BUILDING PERMIT IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL. IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK AUTHORIZED BY THIS PERMIT TO NOTIFY THE BUILDING OFFICIAL THAT THE WORK IS READY FOR INSPECTION.

THE FOLLOWING ARE THE INSPECTORS ASSIGNED TO INSPECT THE CONSTRUCTION UNDER THIS PERMIT AND THEIR TELEPHONE NUMBERS:

	<u>Building Inspector</u>	<u>Electrical Inspector</u>	<u>Plumbing Inspector</u>
Name:	GARY NISHIJIMA	RICHARD GONSALES	
Phone No.:	(808) 768-3188	(808) 768-8176	

For All Utility Operator Requests
 For toning, call Hawaii One Call Center
 At 811 or 1-866-423-7287
 24 hours a day, 7 days a week, 365 days a year
 5 (minimum) working days in advance.
 Excavation area must be pre-marked in white

Tax Map Key: 9.4.99.73
 Application Index No.: 19017.09.1705
 Project Name: [REDACTED]
 Building Permit No.: 788552

BUILDING DIVISION
 DEPARTMENT OF PLANNING AND PERMITTING

**SUPPLEMENTAL INFORMATION FOR BUILDING OWNER,
 PERMIT APPLICANT AND CONTRACTOR**

The following information should prove helpful in determining whether additional information should be obtained before starting your project.

1. A Phone Call May Save Your Life – if you have underground utilities or if your work is under or near an electrical service line, investigate before you start work. Call:

	WORKING HOURS	AFTER HOURS
Hawaiian Telecom	949-1444	
Hawaiian Electric Company	549-5654	549-7064
CASCO	505-5000	505-5000
Board of Water Supply	748-5000	748-5000

Be Aware of the Sign, Asbestos, Lead-based Paint, Noise, and OSH Regulations
 Sign Regulations – Building Division 768-8220
 Asbestos and Lead-Based Paint
 Regulations – Department of Health 586-5800
 Noise Regulations – Department of Health 586-4700
 Occupational Safety & Health – DOSH 586-9100
 Department of Labor

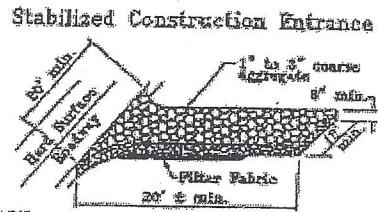
2. Owners will be responsible to notify the Federal Aviation Administration (FAA) for structures which exceed 200 feet in height above ground line and certain structures within 4 miles from the nearest point of the nearest runway of each airport. (Single-family dwellings exempted). FAA telephone is 541-1243.
3. REMINDER – Owners should check their deeds, lease agreements, and/or association by-laws for any building restrictions.
4. HOUSE NUMBERING REQUIREMENTS – All main entrances to buildings shall be numbered with numbers at least two inches in height. Address signs shall not exceed one square feet. Emergency service agencies such as fire, police, ambulance, etc., can respond more readily with minimum delays when buildings are properly numbered.
5. To prevent termite entry, the building code requires openings around pipes or other penetrations in concrete slab-on-grade to be filled with non-shrink grout.
6. Plumbing and/or Electrical plans not checked. Project subject to inspection for code compliance.
7. Plumbing and/or electrical work shall be inspected and approved prior to concealment.
8. PROTECTION OF ADJOINING PROPERTY – The owner and contractor doing the excavation or fill shall be responsible to implement safety measures to protect adjoining properties, streets or natural watercourses from falling rocks, boulders, soil, debris and other dangerous objects.
9. EROSION AND SEDIMENT CONTROL – Since it is unlawful to discharge pollutants from the construction site, the owner and the contractor shall check the criteria for handling drainage discharges and ensure compliance with all appropriate regulations including Best Management Practices (BMP) requirements for construction sites. Call 768-8218 or 768-8219, or go to www.honoluluapp.org for more information.

[Signature] 05/22/13
 Signature of Applicant Date

EROSION CONTROL GUIDELINES

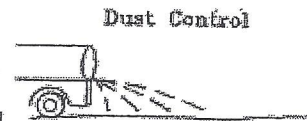
FIGURE 3
MINIMUM BMP CHECKLIST FOR SMALL PROJECTS

- **STABILIZED CONSTRUCTION ENTRANCE**
All points of egress and ingress to a site shall be protected with a stabilized construction entrance.

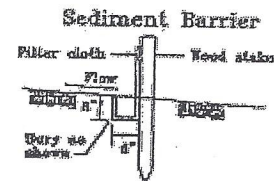


- **STOCKPILES**
Stockpiles shall not be located in drainage ways or other areas of concentrated flows. Sediment trapping devices such as fences, traps, basins or barriers shall be used around the base of all stockpiles.

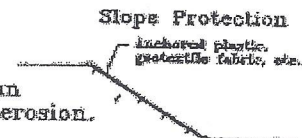
- **DUST CONTROL**
Dust control should be applied to reduce dust emissions. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the air pollution control standards contained in Hawaii Administrative rules: Chapter 11-60, "Air Pollution Control".



- **SEDIMENT BARRIERS OR TRAPS**
Sediment trapping devices such as fences, traps, basins or barriers shall be used down slope of all disturbed areas and around the base of all material stockpiles.



- **SLOPE PROTECTION**
Surface flow from above an exposed slope shall not be allowed to flow over the slope without protection. Slope protection shall be used on areas with slopes greater than 50% and on areas of moderate slopes that are prone to erosion.



- **INLET PROTECTION**
All storm drain inlets on site, and those offsite which may receive runoff from the site shall use an inlet protection device.



- **TEMPORARY STABILIZATION**
Is not required when the disturbed area will be worked within a 14 day period. Stabilization is required for disturbed areas at final grade and for those areas that will not be worked within a 14 day period.

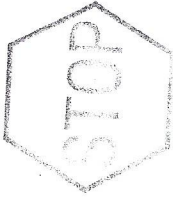
- **PERMANENT STABILIZATION**
All disturbed areas shall be permanently stabilized prior to removing erosion and sediment measures. All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization or after the temporary measures are no longer needed. Trapped sediment and areas of disturbed soil which result from the removal of the temporary measures shall be immediately permanently stabilized.

JOB SITE COPY

APPROVED
DPP

Verify Lot Dimensions

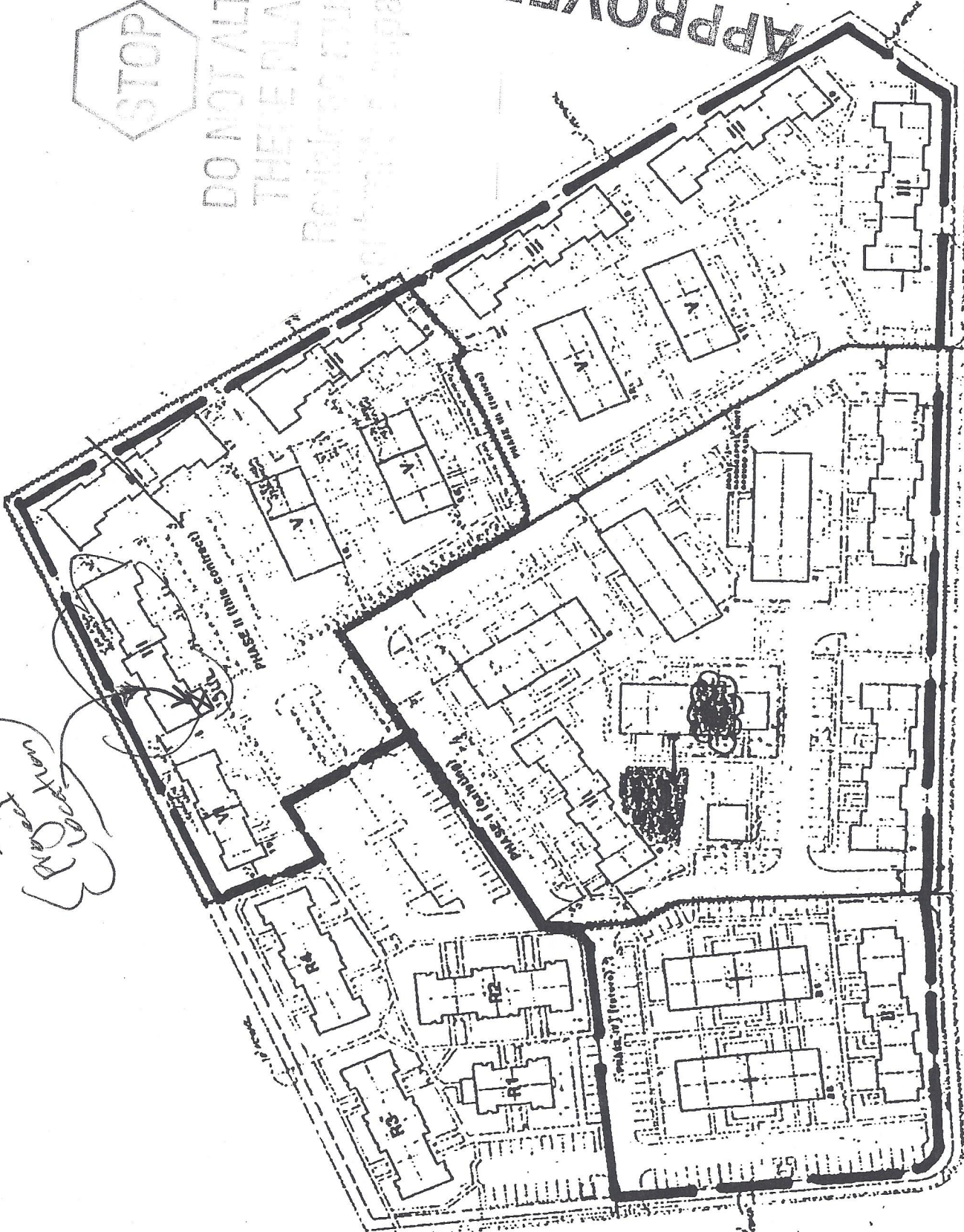
BUILDING DEPARTMENT CITY AND COUNTY OF HONOLULU	
BUILDING PRELIM. EXAM. BY: <i>10/05/12</i>	DATE: <i>5/22/13</i>
ZONING DISTRICT: <i>A-1</i>	
ELECTRICAL APPROVED BY: <i>P. Hernandez</i>	DATE: <i>7/8/13</i>
MECHANICAL APPROVED BY:	
LUO APPROVED BY:	
BUILDING APPROVED BY: <i>FEL</i>	DATE: <i>7/24/13</i>
APPROVED FOR ISSUANCE BY:	
NAME OF PROJECT: <i>[REDACTED]</i> <small>for DIRECTOR & BUILDING SUPERINTENDENT</small>	
T.M.K. <i>9-4-99:73</i>	BLDG. PERMIT NO. <i>78513</i>



DO NOT ALTER
 THESE PLANS
 Revisions must be
 approved by Laboratory

APPROVED
 DPP

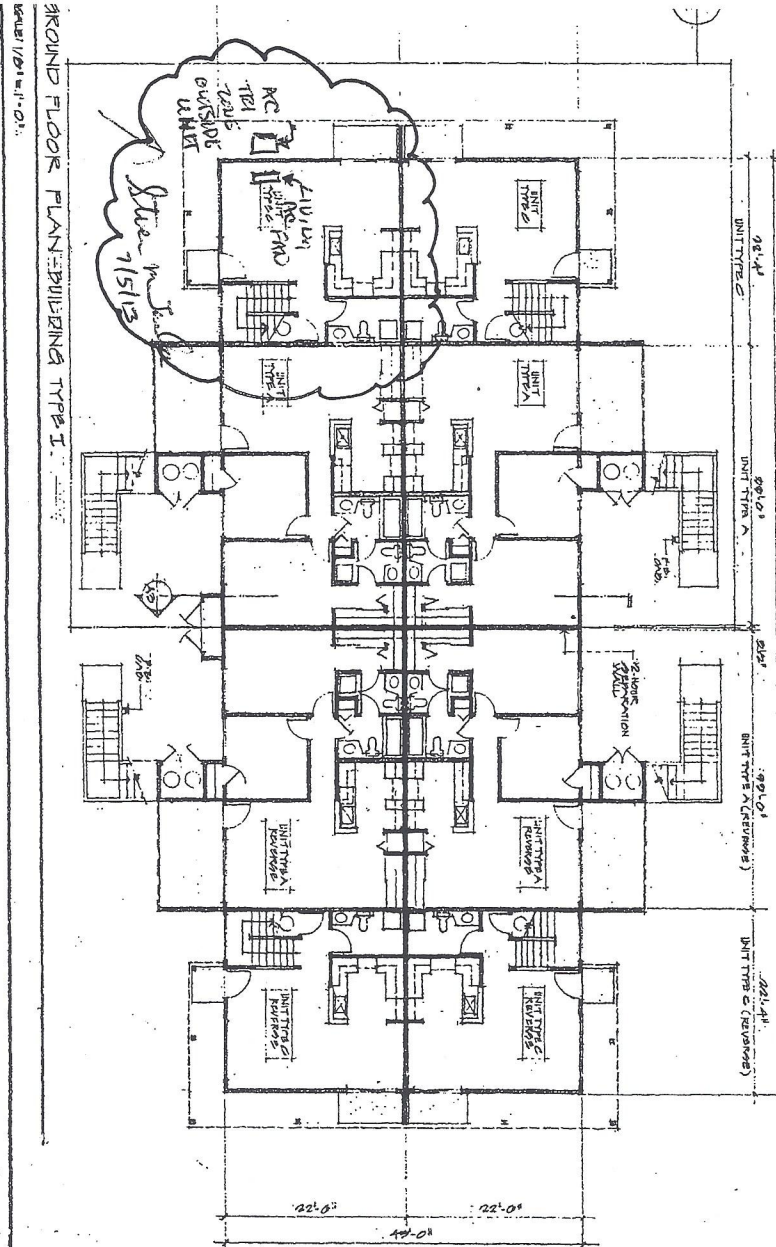
Handwritten note: (DPP) location



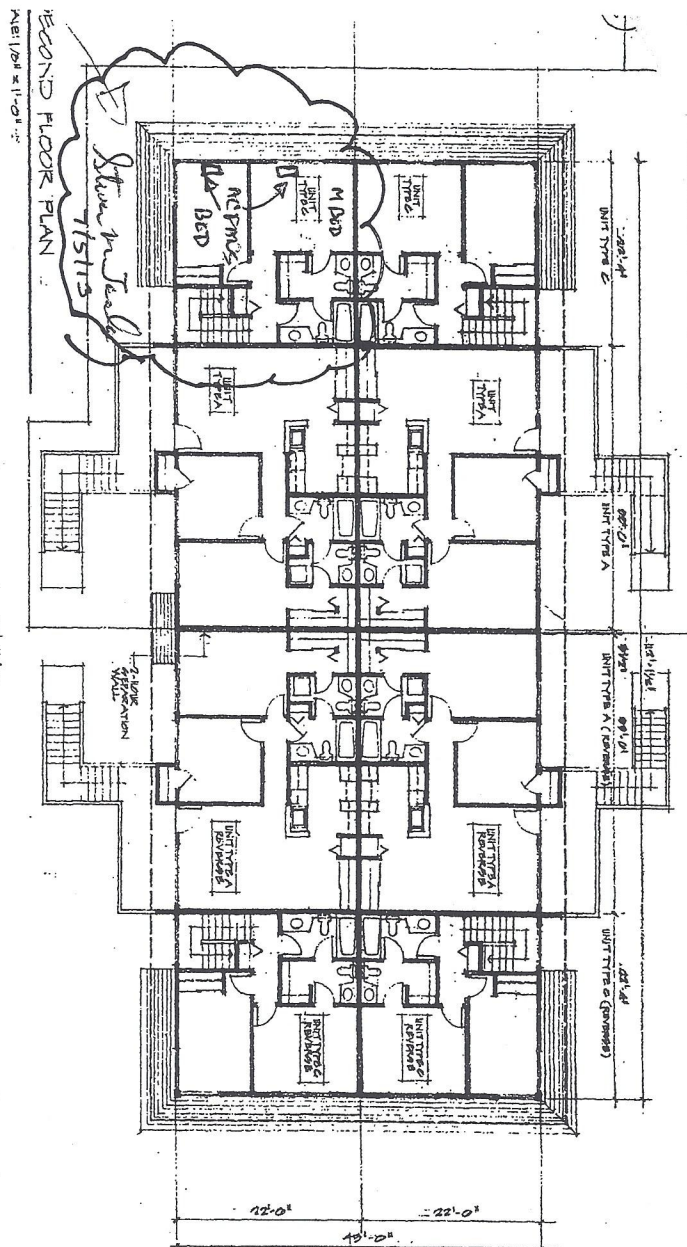
Handwritten note: WLAPIO WKA ST
 WLAPIO WKA ST

LEGEND

GROUND FLOOR PLAN BUILDING TYPE I



SECOND FLOOR PLAN



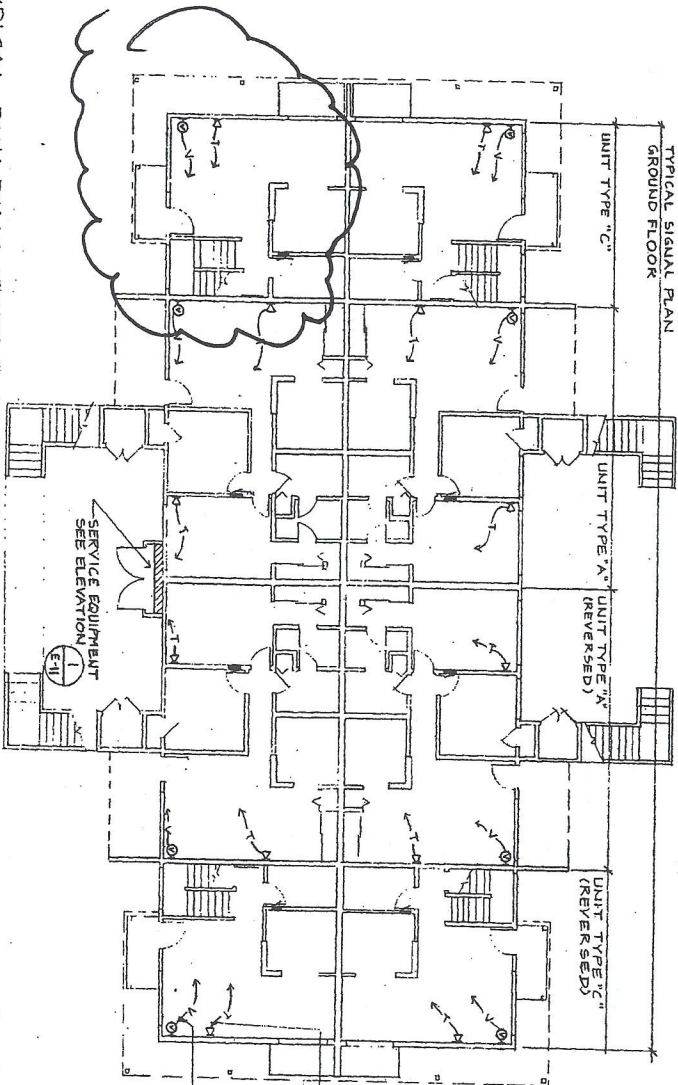
D. Skramud
6/30/13
Arch only

Provided to
Contractor upon
Request

**APPROVED
DPP**

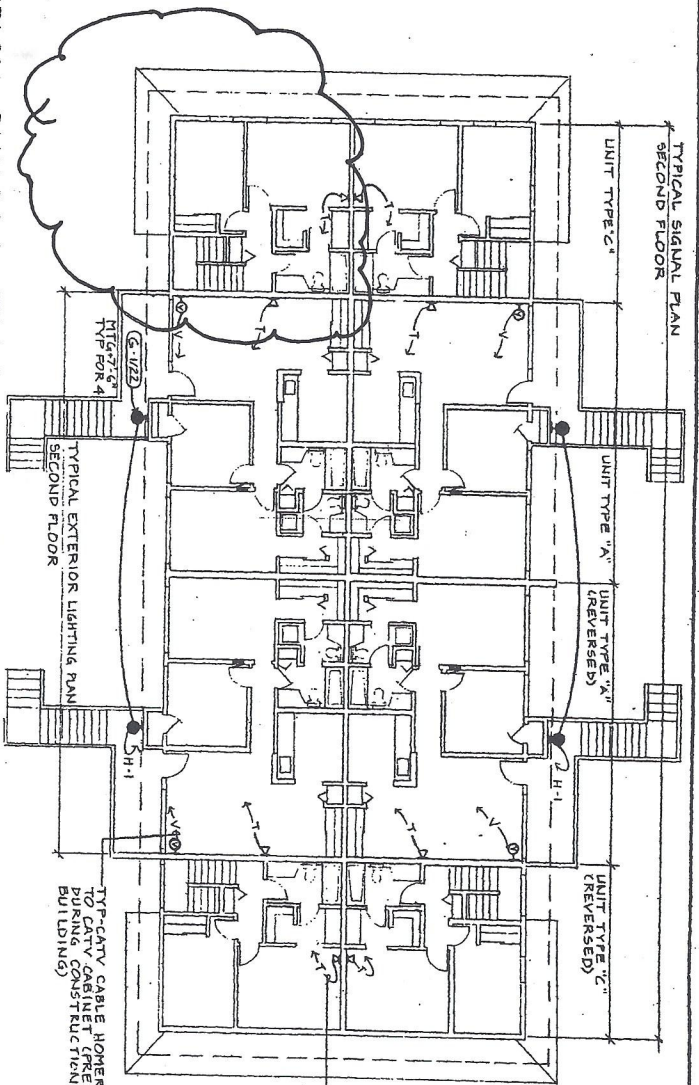
NO.	DESCRIPTION	DATE	BY
1
2
3

TYPICAL BUILDING TYPE I ELECTRICAL PLANS - SECOND FLOOR (TYP FOR BLDG. NOS. 34 & 5)
 SCALE: 5/8" = 1'-0"



TYP - TELEPHONE CABLE HOMERUN TO TELEPHONE CABINET (PRE-WIRED BUILDING)
 TYP - CATV CABLE HOMERUN TO CABLE CABINET (PRE-WIRED BUILDING)

TYPICAL BUILDING TYPE I ELECTRICAL PLANS - SECOND FLOOR (TYP FOR BLDG. NOS. 34 & 5)
 SCALE: 5/8" = 1'-0"



TYP - TELEPHONE CABLE HOMERUN TO TELEPHONE CABINET (PRE-WIRED BUILDING)

APPROVED
 DPP

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/1/78
2	REVISION	10/1/78
3	REVISION	10/1/78
4	REVISION	10/1/78
5	REVISION	10/1/78
6	REVISION	10/1/78
7	REVISION	10/1/78
8	REVISION	10/1/78
9	REVISION	10/1/78
10	REVISION	10/1/78

THE VILLAGES
 FOR SCHULER



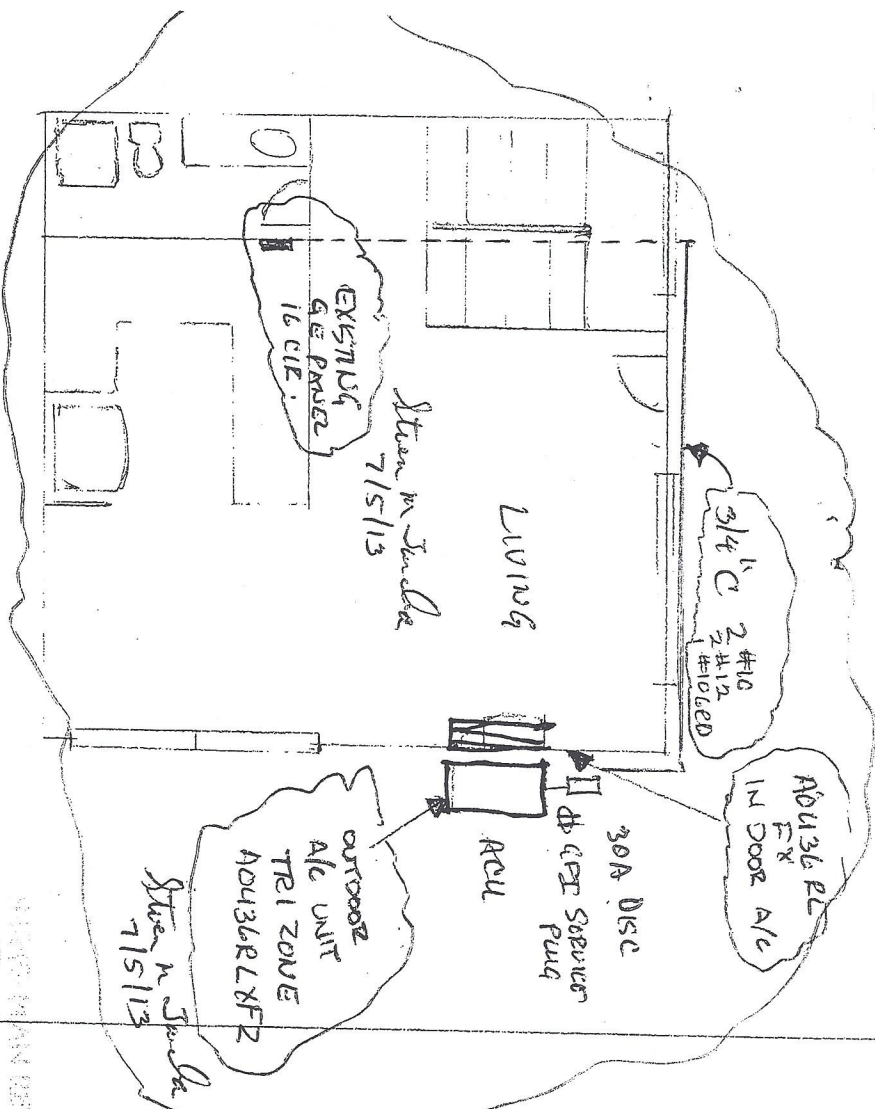
ALL work was prepared by me or under my direct supervision and I am a duly Licensed Professional Engineer in the State of Florida. I am not providing this seal for any other project or for any other purpose.

BUILDING TYPE I ELECTRICAL PLAN GROUND & 2ND

GROUND FLR

- OUT DOOR A/C UNIT WILL BE MOUNTED OUTSIDE OF RESIDENCE, INFORMATION ON UNIT IS LOCATED ON ATTACHED DOCUMENT.

- ELECTRICAL WILL BE PROVIDED BY PROGRESSIVE ELECTRIC UPON APPROVAL OF A/C INSTALLATION. ALL BUILDING PERMITS AND ANY ADDITIONAL INFORMATION WILL BE PROVIDED BY PROGRESSIVE ELECTRIC.

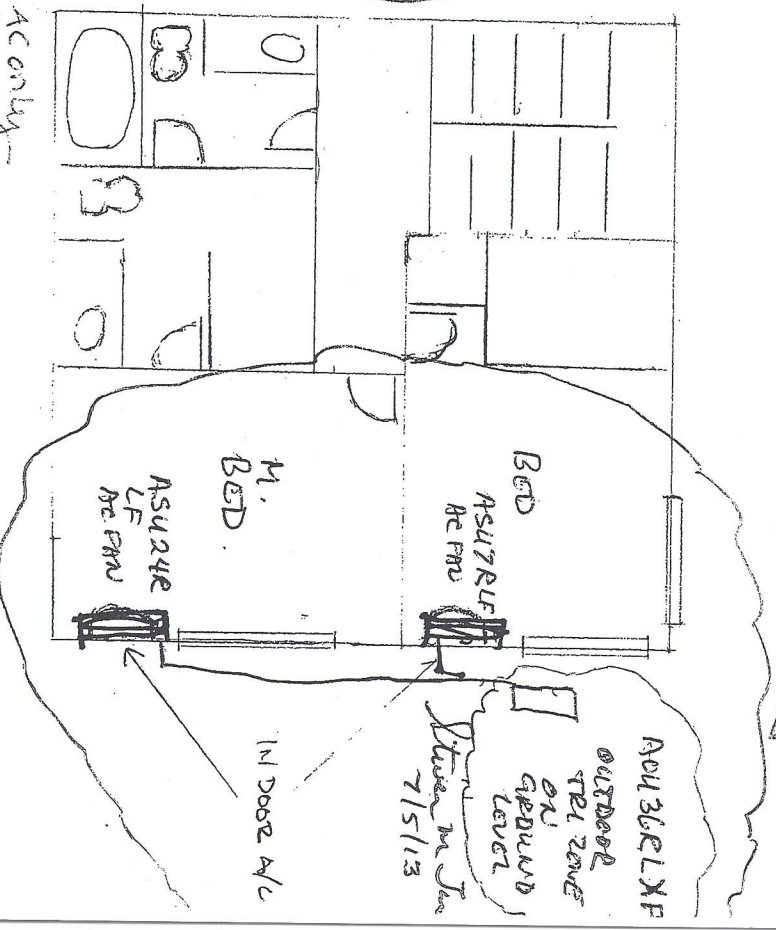


GROUND

DEPARTMENT OF PERMITS
5/30/13
AC only

2ND FLR

- INFORMATION ON ALL INDOOR A/C UNITS LOCATED ON ATTACHED DOCUMENTS.



2ND FLOOR

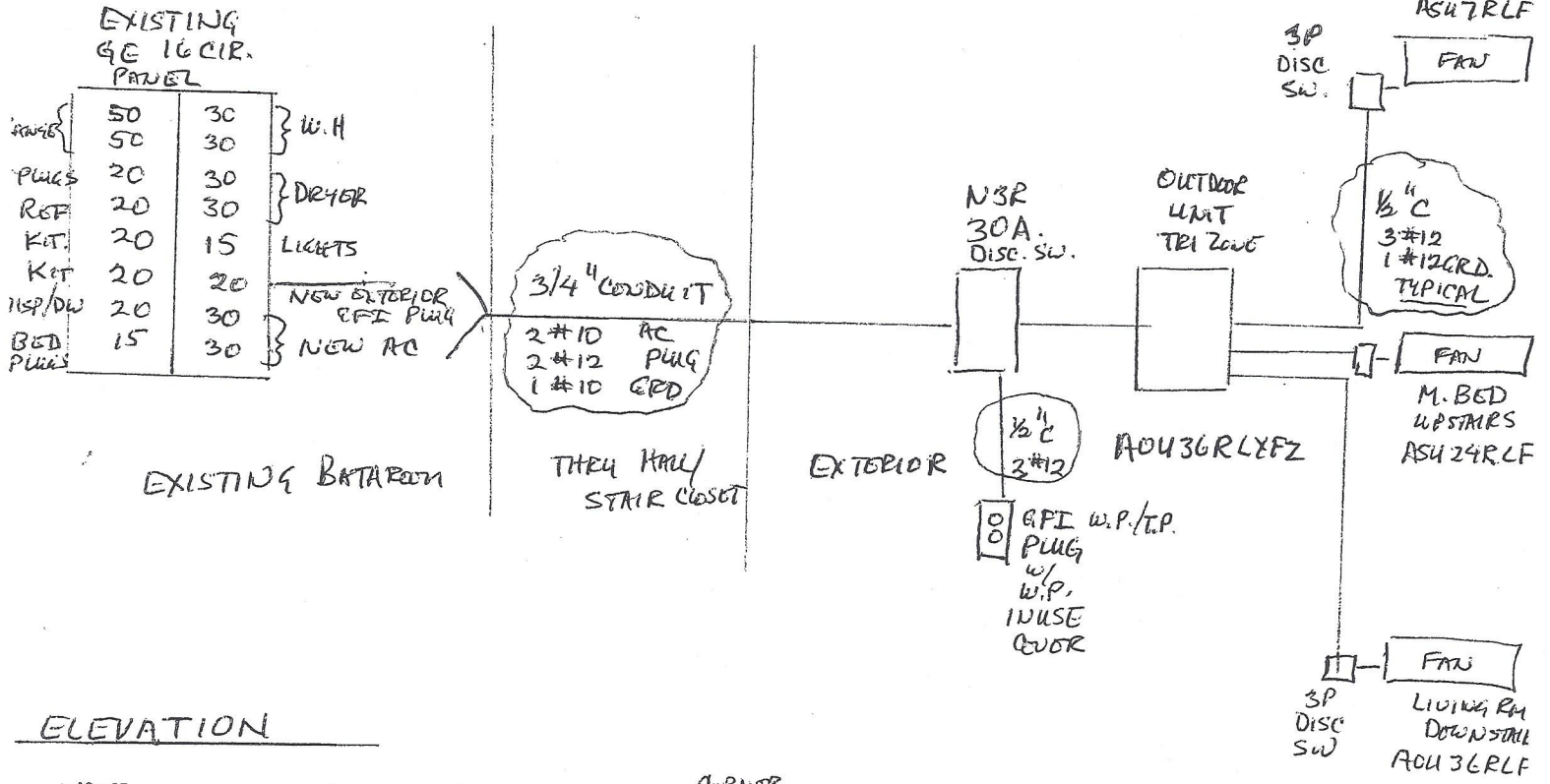
**APPROVED
DPP**

~~TYLER TAMA SHIRO~~

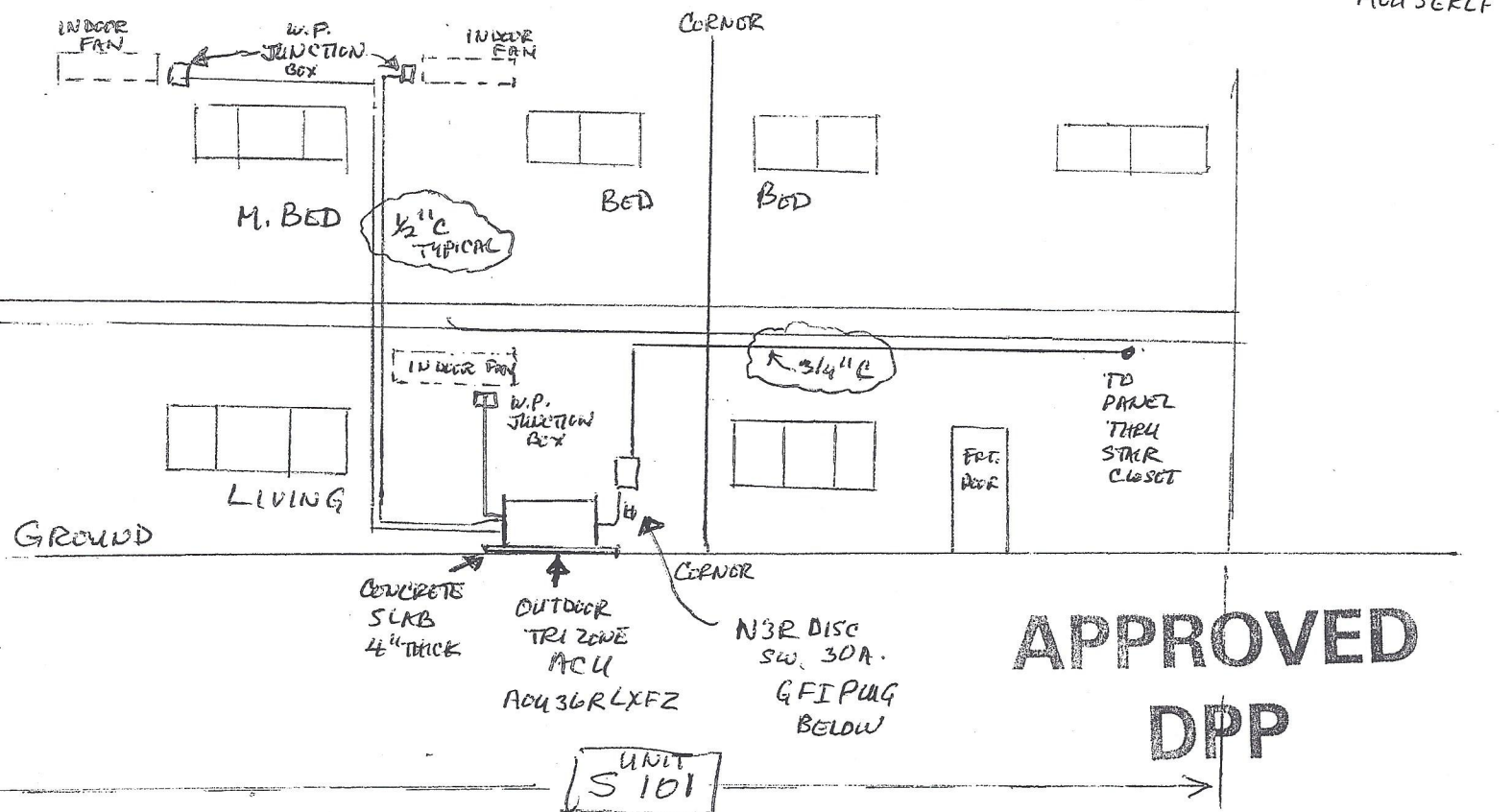
~~74 1449 WILSON BLVD ST #5101~~

SPLIT TRI ZONE AC

ONE LINE



ELEVATION



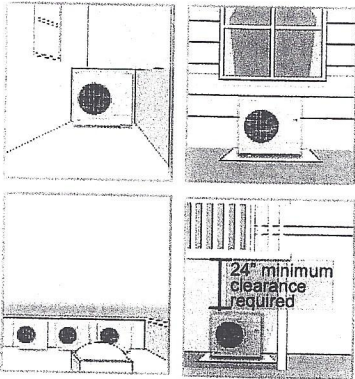
Multi-Zone Outdoor Units 18, 24 and 36,000 BTUs

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ

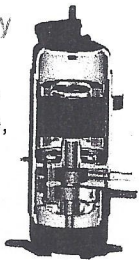


Compact Size

The compact size of the outdoor units allows for many installation opportunities.



DC Twin Rotary Compressor
A high performance, low noise, large capacity DC twin rotary compressor is used.



	AOU 18RLXFZ	AOU 24RLXFZ	AOU 36RLXFZ	AOU 36RLXFZ
	Heat Pump ASU9+ASU9	Heat Pump ASU7+ASU7+ASU7	Heat Pump ASU9 x 4	18+18 Combo ASU18+ASU18
Connectable Indoor Unit Number	2	2 to 3	3 to 4	2 ¹
Connectable Unit Capacity Class BTU/h	14 to 21,000 ²	14 to 27,000 ²	27 to 39,000 ²	36,000 ¹
Rated Capacity Cooling/Heating BTU/h	18,000/22,000	22,000/24,000	35,200/36,400	31,600/35,800
Clg. Operating Range °F(°C)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	32 to 115 (0 to 46)	50 to 115 (10 to 46)
Htg. Operating Range °F(°C)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	14 to 75 (-10 to 24)	14 to 75 (-10 to 24)
Input Power: Clg/Htg Rated kW*	1.44/1.87	1.76/1.73	4.00/3.00	3.98/3.66
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Current: Total Max. (A)	10.0	13.7	20.1	20.1
Minimum Circuit Ampacity (A)	13	17	25	25
Recommended Fuse Size (A)	25	25	30	30
Outdoor Fan Airflow CFM (Clg/Htg)	1,795/1,619	1,942/1,942	2,119/2,237	2,119/2,237
Fan: Type x Quantity	Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling dB(A)	49	51	53	53
Sound Pressure Level Heating dB(A)	49	52	55	55
Pre-Charge Length Total Ft (m)	98 (30)	98 (30)	164 (50)	66 (20)
Max. Length Total Ft (m)	164 (50)	164 (50)	230 (70)	131 (40)
Max. Length Each Ft (m)	82 (25)	82 (25)	82 (25)	82 (25)
Min. Length Total Ft (m)	49 (15)	49 (15)	66 (20)	49 (15)
Min. Length Each Ft (m)	16 (5)	16 (5)	16 (5)	25 (7.5)
Max. Pipe Height Difference Between Outdoor Unit & Farthest Indoor Ft (m)	49 (15)	49 (15)	49 (15)	49 (15)
Max. Pipe Height Difference Between Indoor Units Ft (m)	33 (10)	33 (10)	33 (10)	33 (10)
Connection Method	Flare	Flare	Flare	Flare
Conn. Pipe Diameter Inch	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3	Liq. 3/8 x 2 Suc. 1/2 x 2 ¹
Net Weight lbs. (kg)	119 (54)	124 (56)	149 (68)	149 (68)
Dimensions: Height Inch	27-9/16	27-9/16	32-11/16	32-11/16
mm	700	700	830	830
Width Inch	35-7/16	35-7/16	35-7/16	35-7/16
mm	900	900	900	900
Depth Inch	13	13	13	13
mm	330	330	330	330
Refrigerant	R410A	R410A	R410A	R410A

¹18+18 is the only 2 indoor unit (ASU, ARU or AAU) combination and requires K9FZ1818.
²See table on page 19 for allowed combinations within this connectable capacity range.

APPROVED

DPP

Nominal Capacities, SEER and HSPF Ratings

Data below is based on AHRI 210/240 non-ducted wall mounted models.

Model	Indoor Unit	Cooling Capacity Btu/h	EER	SEER	Heating Capacity Btu/h	COP	HSPF
AOU18RLXFZ	Non-Ducted ASU9+ASU9	18,000	12.50	18.0	22,000	3.44	9.3
	Ducted -	18,000	12.10	16.0	22,000	3.52	9.0
	Mixed -	18,000	12.30	17.0	22,000	3.48	9.2
	Specific ASU7+ASU12 and ASU9+ASU12	18,000	12.50	18.0	22,000	3.67	9.0
AOU24RLXFZ	Non-Ducted ASU9+ASU7+ASU7	22,000	12.50	18.0	24,000	4.04	9.5
	Ducted -	22,000	10.60	15.5	24,000	3.42	9.0
	Mixed -	22,000	11.55	16.8	24,000	3.74	9.3
AOU36RLXFZ	Non-Ducted -	35,200	8.80	16.0	36,400	3.56	9.4
	Ducted -	33,800	8.10	14.5	36,400	3.08	8.7
	Mixed -	34,400	8.45	15.3	36,400	3.32	9.1

Yellow rows represent models that are ENERGY STAR® Qualified.



Allowable Combinations



41 Combinations Based on BTU (Over 300 Combo's Based on Indoor Type and BTU)

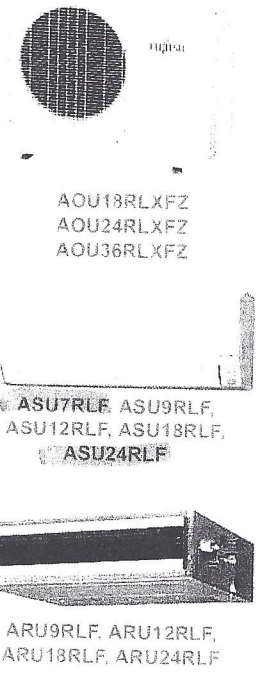
AOU18RLXFZ (Dual Zone)				
Zone 1	Zone 2	Total Connectable Capacity Class	Total Cooling BTU ^A	Connectable Capacity Class
7,000	7,000	14,000	18,000	77.8%
7,000	9,000	16,000	18,000	88.9%
9,000	9,000	18,000	18,000	100.0%
7,000	12,000	19,000	18,000	105.6%
9,000	12,000	21,000	18,000	116.7%

AOU24RLXFZ (Dual or Tri Zone)					
Zone 1	Zone 2	Zone 3	Total Connectable Capacity Class	Total Cooling BTU ^A	Connectable Capacity Class
7,000	7,000		14,000	22,000	63.6%
7,000	9,000		16,000	22,000	72.7%
9,000	9,000		18,000	22,000	81.8%
7,000	12,000		19,000	22,000	86.4%
9,000	12,000		21,000	22,000	95.5%
7,000	7,000	7,000	21,000	22,000	95.5%
7,000	7,000	9,000	23,000	22,000	104.5%
12,000	12,000		24,000	22,000	109.1%
7,000	18,000		25,000	22,000	113.6%
7,000	9,000	9,000	25,000	22,000	113.6%
7,000	7,000	12,000	26,000	22,000	118.2%
9,000	18,000		27,000	22,000	122.7%
9,000	9,000	9,000	27,000	22,000	122.7%

Remember: These systems **do not** require branch boxes or separation tube assemblies.

Connectable capacities shown are based on unit capacity class and not actual capacity. Contractors will need to refer to Design and Technical Manual for proper sizing, design and application.

AOU36RLXFZ (Dual, Tri or Quad Zone)						
Zone 1	Zone 2	Zone 3	Zone 4	Total Connectable Capacity Class	Total Cooling BTU ^A	Connectable Capacity Class
9,000	9,000	9,000		27,600	35,200*	77.1%
7,000	9,000	12,000		28,000	35,200*	80.0%
7,000	7,000	7,000	7,000	28,000	35,200*	80.0%
9,000	9,000	12,000		30,000	35,200*	85.7%
7,000	7,000	7,000	9,000	30,000	35,200*	85.7%
7,000	12,000	12,000		31,000	35,200*	88.6%
7,000	7,000	18,000		32,000	35,200*	91.4%
7,000	7,000	9,000	9,000	32,000	35,200*	91.4%
9,000	12,000	12,000		33,000	35,200*	94.3%
7,000	7,000	7,000	12,000	33,000	35,200*	94.3%
7,000	9,000	18,000		34,000	35,200*	97.1%
7,000	9,000	9,000	9,000	34,000	35,200*	97.1%
7,000	7,000	9,000	12,000	35,000	35,200*	100.0%
18,000	18,000 ⁺			36,000	31,600 ⁺	102.9%
9,000	9,000	18,000		36,000	35,200*	102.9%
12,000	12,000	12,000		36,000	35,200*	102.9%
9,000	9,000	9,000	9,000	36,000	35,200*	102.9%
7,000	12,000	18,000		37,000	35,200*	105.7%
7,000	9,000	9,000	12,000	37,000	35,200*	105.7%
7,000	7,000	24,000		38,000	35,200*	108.6%
7,000	7,000	12,000	12,000	38,000	35,200*	108.6%
7,000	7,000	7,000	18,000 ^{**}	39,000	35,200*	111.4%
9,000	12,000	18,000		39,000	35,200*	111.4%



^A Data is based on AHRI 210/240 non-ducted wall mounted models.
^{*} Capacity based on non-ducted models. For ducted or mixed refer to capacity table on Page 18.
^{**} ARU18RLF and AUU18RLF only. Wall mounted ASU18RLF cannot be connected in this combination. See Design & Technical Manual for capacities.
⁺ If AOU36RLXFZ is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.
 Capacity based on non-ducted models. For ducted or mixed refer to capacity table in Design & Technical Manual.

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Wall Mounted 7, 9, 12, 18 and 24,000 BTUs

ASU7RLF, ASU9RLF, ASU12RLF, ASU18RLF, ASU24RLF



ASU7, 9, 12RLF

ASU18, 24RLF

	ASU7RLF	ASU9RLF	ASU12RLF	ASU18RLF	ASU24RLF
	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Nominal Cooling BTU/h*	7,000	9,000	12,000	18,000	24,000
Nominal Heating BTU/h*	8,100	10,200	13,500	20,000	27,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Air Circ. C.F.M. (m ³ /h): Hi	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 542 (920) Htg 542 (920)	Clg 659 (1,120) Htg 647 (1,100)
Medium	Clg 294 (500) Htg 294 (500)	Clg 306 (520) Htg 306 (520)	Clg 330 (560) Htg 330 (560)	Clg 436 (740) Htg 436 (740)	Clg 530 (900) Htg 530 (900)
Low	Clg 253 (430) Htg 253 (430)	Clg 253 (430) Htg 253 (430)	Clg 265 (450) Htg 277 (470)	Clg 365 (620) Htg 365 (620)	Clg 436 (740) Htg 436 (740)
Quiet	Clg 200 (340) Htg 206 (350)	Clg 200 (340) Htg 206 (350)	Clg 200 (340) Htg 206 (350)	Clg 324 (550) Htg 324 (550)	Clg 365 (620) Htg 365 (620)
Noise Level dB(A) (Clg/Htg): Hi	36/36	37/37	40/40	43/44	49/48
Medium	32/32	33/33	36/36	37/37	42/42
Low	29/29	29/29	30/31	33/33	37/37
Quiet	25/25	25/25	25/25	31/31	33/33
Running Current Rated (A): Cooling	0.13	0.15	0.19	0.32	0.53
Heating	0.13	0.15	0.19	0.32	0.53
Power Use Rated (w): Cooling	15	17	22	41	69
Heating	15	17	22	41	69
Fan Speeds Stage	4+auto	4+auto	4+auto	4+auto	4+auto
Air Direction: Horizontal	Manual	Manual	Manual	Auto	Auto
Vertical	Auto	Auto	Auto	Auto	Auto
Primary Air Filter	Washable	Washable	Washable	Washable	Washable
Ion Deodorizing Filter	Disposable	Disposable	Disposable	Disposable	Disposable
Apple-Catechin Filter	Disposable	Disposable	Disposable	Disposable	Disposable
Connection Method	Flare	Flare	Flare	Flare	Flare
Conn. Pipe Diameter Inch	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4
Net Weight lbs. (kg)	18 (8)	18 (8)	18 (8)	31 (14)	31 (14)
Dimensions: Height Inch (mm)	11-1/16 (280)	11-1/16 (280)	11-1/16 (280)	12-5/8 (320)	12-5/8 (320)
Width Inch (mm)	31-1/16 (790)	31-1/16 (790)	31-1/16 (790)	39-1/4 (998)	39-1/4 (998)
Depth Inch (mm)	8 (203)	8 (203)	8 (203)	9 (228)	9 (228)
Refrigerant	R410A	R410A	R410A	R410A	R410A

Built In Filtration



Long-life* Ion Deodorization Filter

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

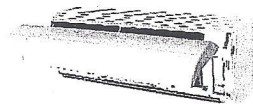


Apple-Catechin Filter

Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated.

Easy Maintenance

Front panel is easily removed for cleaning.



Standard Features

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- 24-Hour Timer
- Dry Mode
- Auto Louver: 4-Way*
- Auto Mode
- Minimum Heat Mode
- Quiet Mode
- Auto Restart/Reset
- Power Diffuser*

*Feature of models ASU18, 24RLF only.

*These are based on 100% capacity and AHRI conditions.
+ The filter can be used for approximately 3 years if it is washed with water when dirty to restore its surface action.

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