ENERGY SAVINGS
OPPORTUNITY SURVEY
(ESOS)
OF
SCHOFIELD BARRACKS
FAMILY HOUSING
AREAS
A, D, E, F, I, J, K-1

U.S. ARMY CONTRACT NO. DACA83-89-D-0073

FINAL SUBMITTAL

VOLUME II

DTIC QUALITY INSPECTED 2

PREPARED BY:

CEDRIC D. O. CHONG AND ASSOCIATES, INC.

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HONOLULU, HAWAII 96819

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Marie Wakefield,
Librarian Engineering

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VOLUME 2. ENERGY SURVEY DATA

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UNIT TYPE 20-II

Date: 1/9/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 425

Building Type: 20-L

Apartment: _____

No. Bedrooms: 4

Area: D

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 7 (2)

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: every other ~~other~~ day

Remarks: _____

2.0 ARCHITECTURAL

crawl space of ~ 2' under house

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation NONE

WOOD WALL

Inside Film

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

WOOD ROOF

Asphalt Shingles

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 115 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Not visible pipes
Insulation Thickness: _____

e. Is Hot Water Circulated? ND

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

could not access pipes under house

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Laundry Room
b. Areas Served Entire Unit
c. Manufacturer and Model Hoyt Model F6S-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities: ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 66 gal

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition good
j. Heater Temperature Setting
k. Average Water Maintained Temperature
l. Temperature Differential (j) - (k)
m. Is Hot Water Supply Adequate y
n. Insulation Thickness None such
o. Insulation Material
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

See sketch

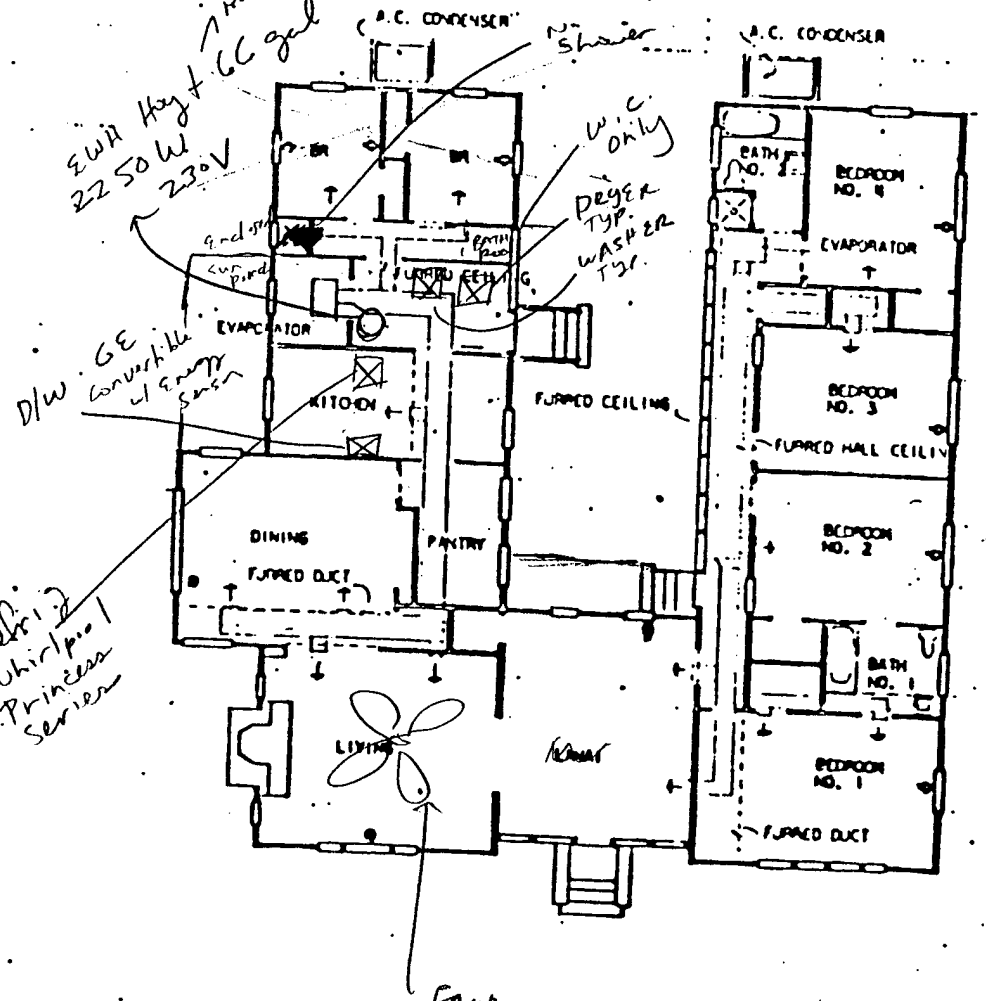
1) Mfg/Mdl
2) Galons HW/Wash
3) Booster Heater Mfg/Mdl
4) Heating Source
5) Capacity
6) Electrical Data

b. Clothes Washer

1) Mfg/Mdl
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash
4) Electrical Data

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
kit Sk	2 l/os	115°F	right after shower & wash.



#425

BUILDING NUMBERS

AREA B 518, 525, 526, 534, 542

AREA E 518, 525, 526, 542

SEE SITE PLAN SHEET (38) FOR LOCATION

AREA I 712, 713, 734, 738

SEE SITE PLAN SHEET (39) FOR LOCATION

Type 20-II

FLOOR PLAN

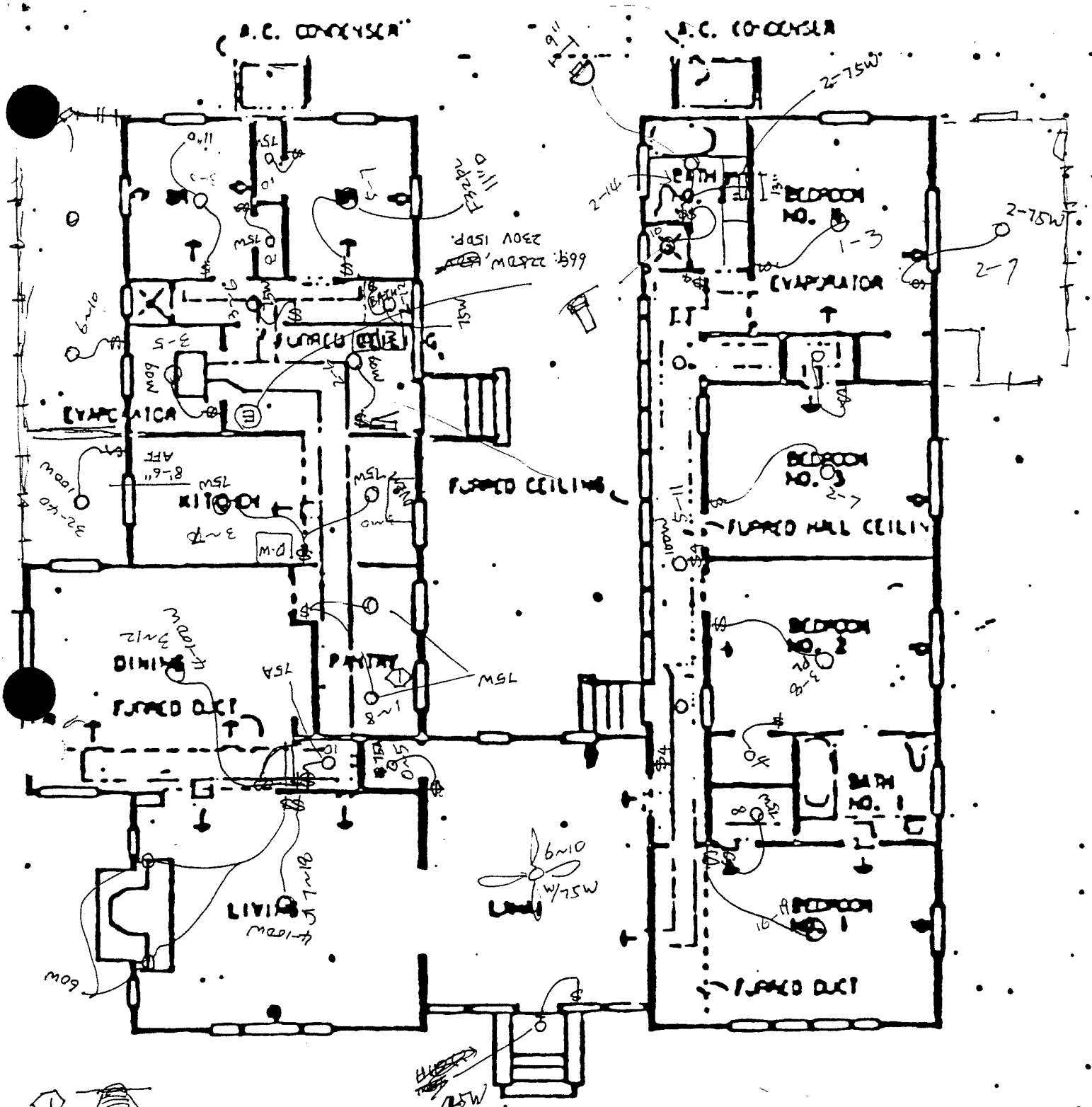
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING
OFFICERS' QUARTERS SCOFIELD BARRACKS
FLOOR PLAN & DETAILS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC
CORPS OF ENGINEERS
HONOLULU, HAWAII

I.C. CODE 9290	-	25	23	07

MAY 1973


A.C. CONDENSER
A.C. CONDENSER
BEDROOM NO. 4
BEDROOM NO. 3
BEDROOM NO. 2
BEDROOM NO. 1
BATH NO. 1
EVAPORATOR
FURRED CEILING
FURRED HALL CEILING
FURRED DUCT
FURRED DUCT
DINING
LIVING
KITCHEN
BATH
EVAPORATOR
2-75W
2-14
2-7
1-3
2-7
2-7
3-12
3-5
3-7
3-10
3-12
3-10
3-10
3-10

Date: 1/9/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 525

Building Type: 20-II

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 5

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: —

Remarks: _____

2.0 ARCHITECTURAL

Same as unit 425

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window	✓	
Tinted		
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT same as unit 425

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

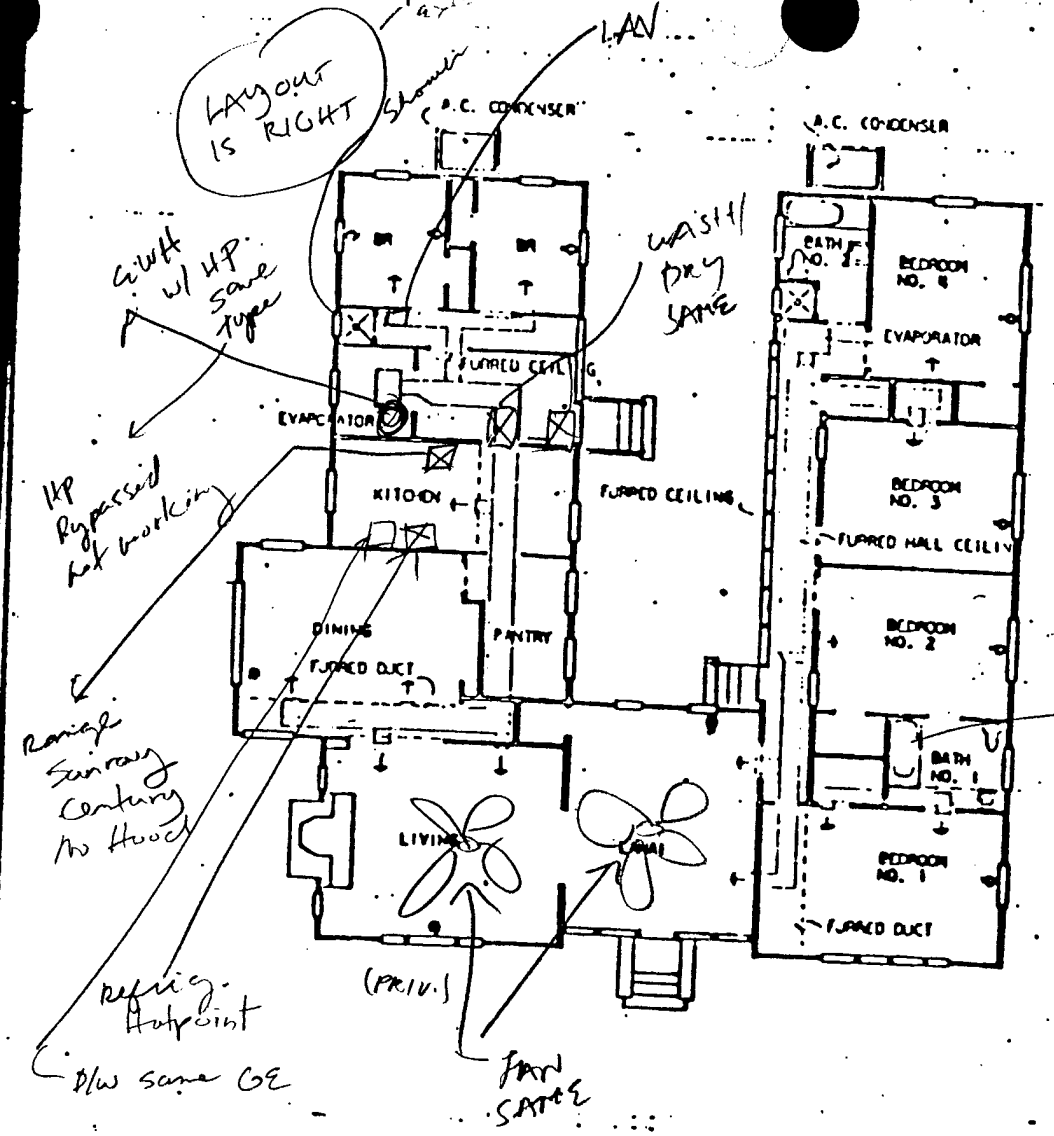
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Washer Tub Sk	7l/10S	120°F	
Bath No. 1 Tub	5l/10S	122°F	
Shower	1l/10S	115°F	



FLOOR PLAN

SCALE 1/8" = 1'-0"

BUILDING NUMBERS

AREA D 510, 525, 526, 534, 542

AREA E 510, 525, 526, 542

SEE SITE PLAN SHEET (30) FOR LOCATION

AREA I 712, 713, 730, 738

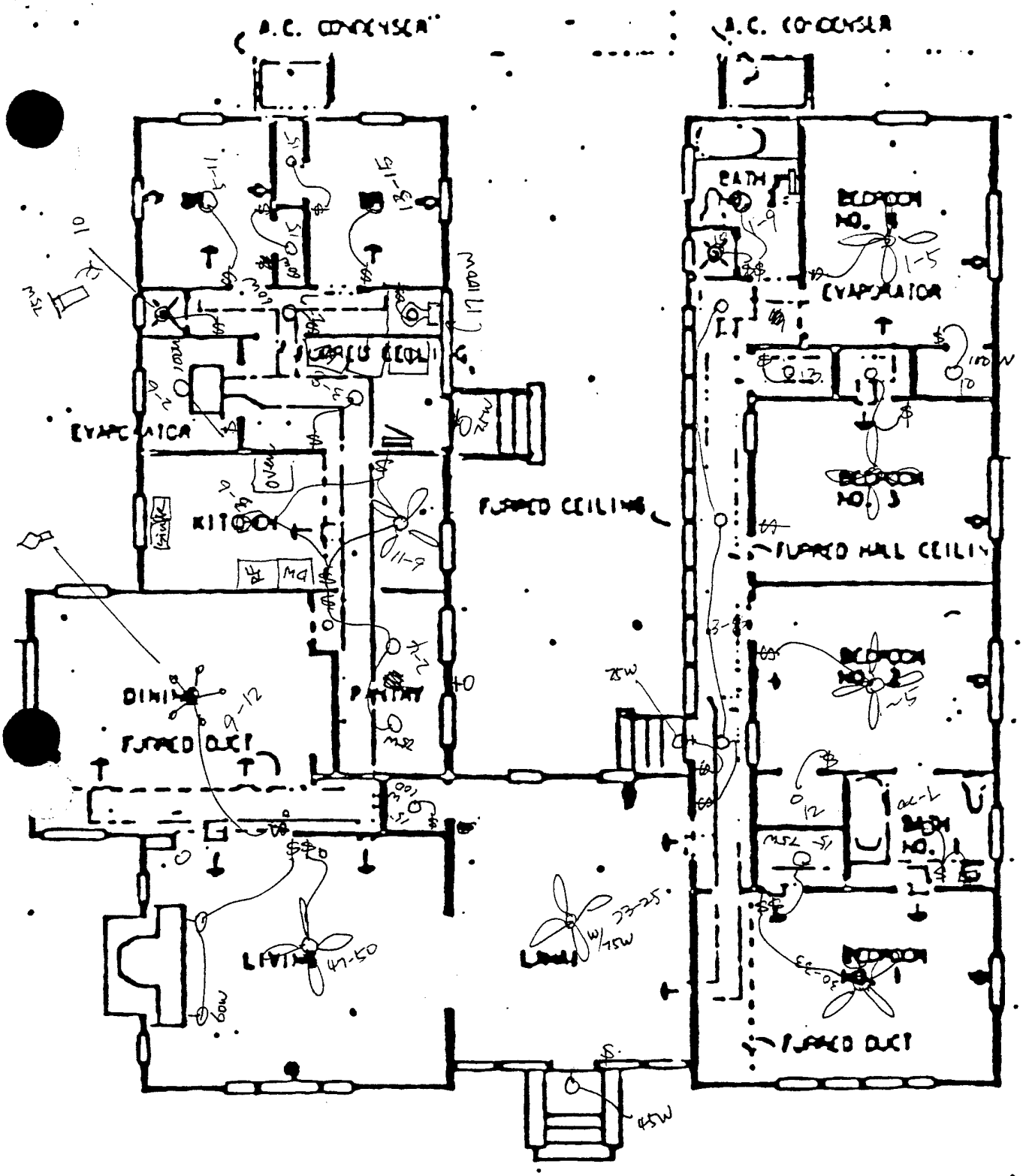
SEE SITE PLAN SHEET (31) FOR LOCATION

Type 20-II

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING	
BUDGETARY DATA FOR AIR CONDITI	
OFFICERS' QUARTERS SCHOFIELD	
FLOOR PLAN & DE	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, P	
CORPS OF ENGINEERS	
HONOLULU, HAWAII	
LOC. CODE 9299	25 23 07

MAY 1973


A.C. CONDENSER
A.C. CONDENSER
BATH
BEDROOM NO. 4
EVAPORATOR
EVAPORATOR
FURRED CEILING
FURRED HALL CEILING
KITCHEN
DINING
FURRED DUCT
LIVING
BEDROOM NO. 3
BEDROOM NO. 2
BATH NO. 1
BEDROOM
FURRED DUCT
BUILDING NUMBERS
AREA D 514, 525, 526, 534, etc
AREA E 512, 523, 524, 542
SEE SITE PLAN SHEET (3) FOR LOCATION
AREA I 712, 713, 734, 736
SEE SITE PLAN SHEET (3) FOR LOCATION
525 R
Type 20-II

Date: 1/9/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 101

Building Type: 20-II

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: /

Occupied Hours: Empty till 2pm

No. of Occupants: 6

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as unit 425

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ___

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as Unit 425

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

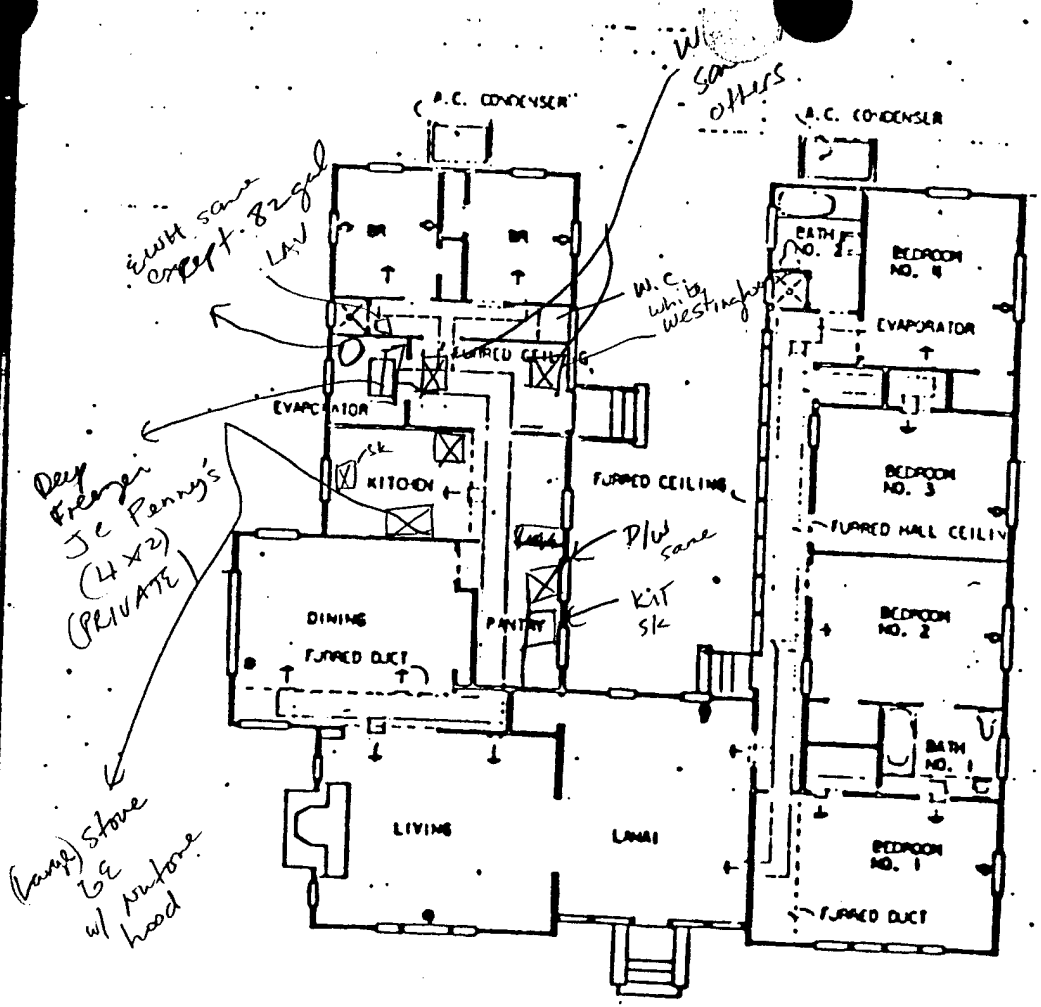
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	4ℓ/10s	119°F	
shower	3ℓ/10s	118F	



#10

BUILDING NUMBERS

AREA B 818, 825, 826, 834, 836
AREA E 518, 525, 526, 542

SEE SITE PLAN SHEET (30) FOR LOCATION

AREA I 712, 713, 734, 738

SEE SITE PLAN SHEET (31) FOR LOCATION

Type 20-II

FLOOR PLAN

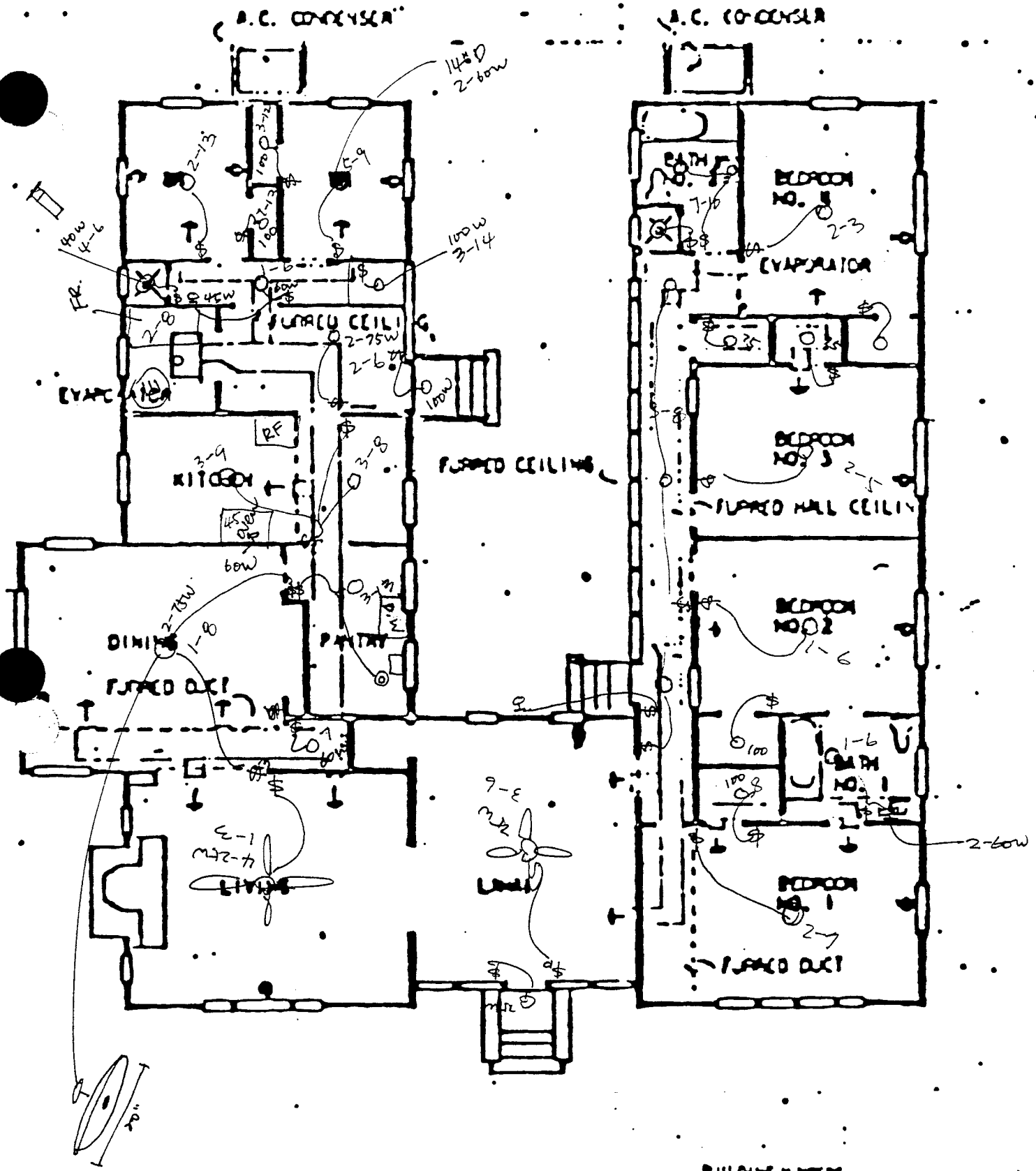
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING
OFFICERS' QUARTERS SCOFIELD
FLOOR PLAN 4 BR
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, P
CORPS OF ENGINEERS
HONOLULU, HAWAII

E.C. CODE 9290		25	23	07

MAY 1973



BUILDING NUMBERS

AREA B 614, 625, 626, 634, etc.
AREA E 542, 525, 526, 542
SEE SITE PLAN SHEET (30) FOR LOCATION
AREA I 712, 713, 736, 736
SEE SITE PLAN SHEET (30) FOR LOCATION

701

Type 20-II

Date: 1/9/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 712

Building Type: 20-II

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 7

Average No. of Showers/Day: 7

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL SAME AS 425

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	/	

3.0 HOT WATER SYSTEM

same as 425

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

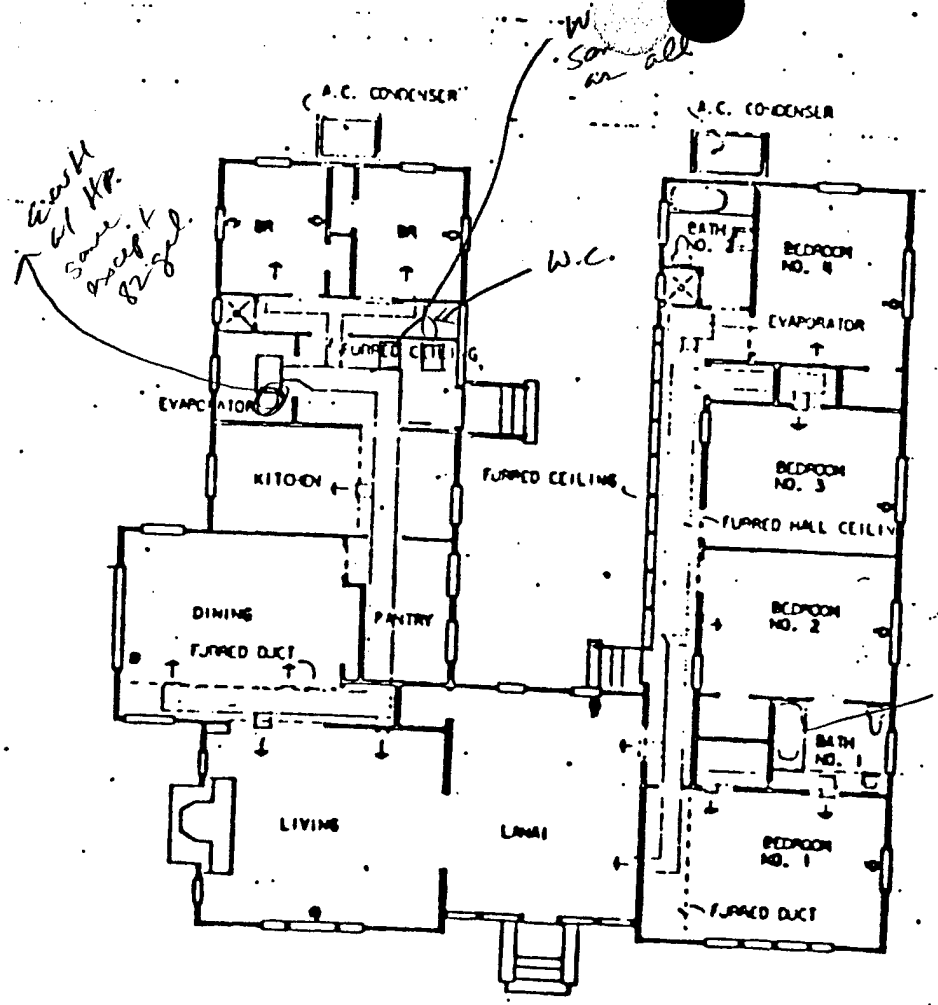
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	4.5l/105	128°F	



#192 R

Type 20-II

BUILDING NUMBERS

AREA D 618, 625, 626, [illegible]

AREA E 518, 525, 526, 542

SEE SITE PLAN SHEET (30) FOR LOCATION

AREA I 712, 713, 730, 738

SEE SITE PLAN SHEET (30) FOR LOCATION

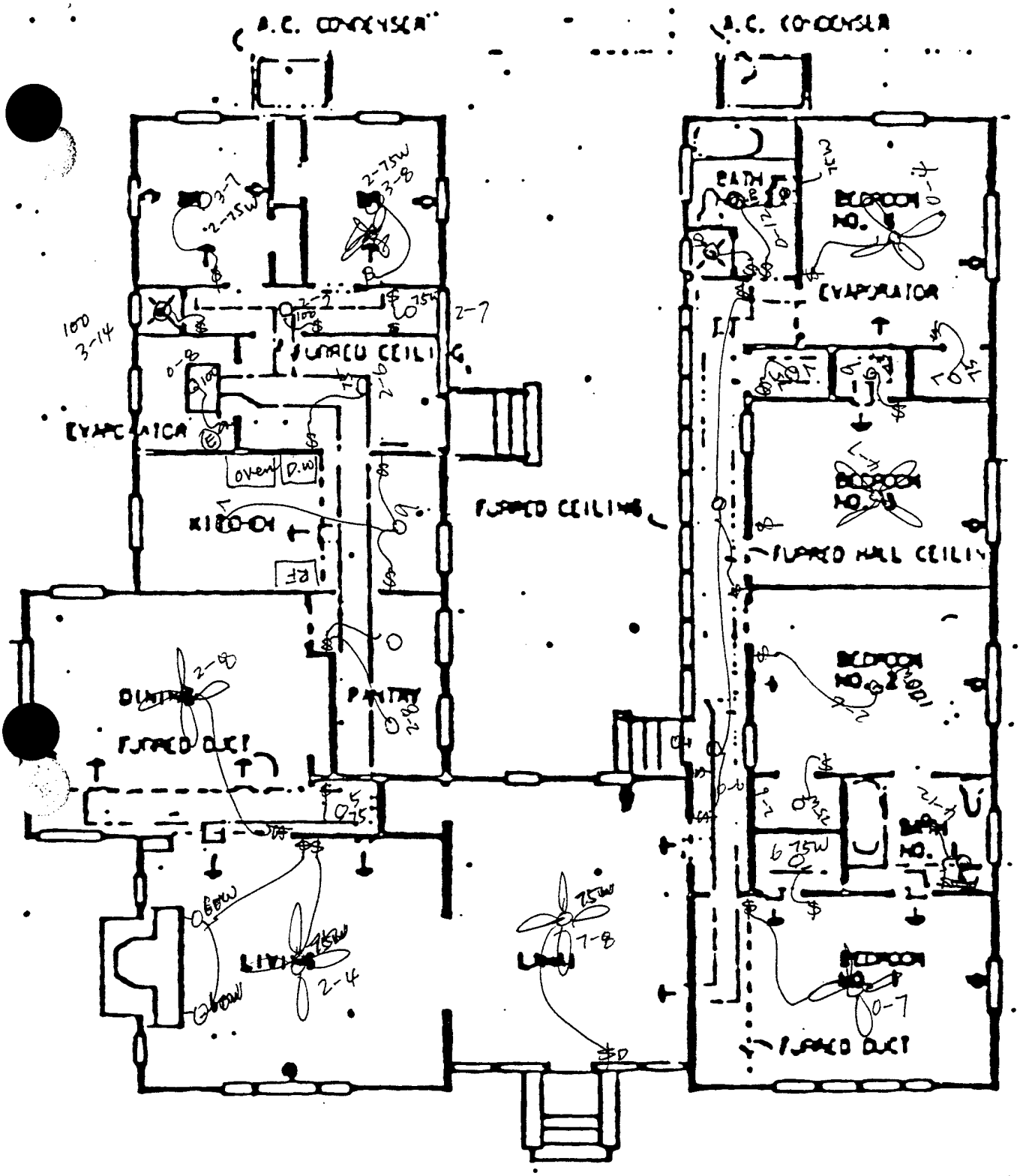
FLOOR PLAN

SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING	
BUDGETARY DATA FOR AIR CONDITI[illegible]	
OFFICERS' QUARTERS SCOFIELD [illegible]	
FLOOR PLAN & [illegible]	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, P[illegible] CORPS OF ENGINEERS HONOLULU, HAWAII	
L.C. CODE 5299	25 23 07

MAY 1973



BUILDING NUMBERS

AREA B 510, 525, 526, 530, etc
AREA E 510, 525, 526, 530

712 SEE SITE PLAN SHEET (30) FOR LOCATION

R AREA I 712, 713, 730, 736

SEE SITE PLAN SHEET (30) FOR LOCATION

Type 20-II

UNIT TYPE 20-III

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 401

Building Type: 20 - 111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 5

Average No. of Showers/Day: 2½

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

2' crawl space under house

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood Wall

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Roof-Wood

Asphalt Shingle

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 130 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served Entire House
c. Manufacturer and Model Hoyt Model FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 82

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition Good
j. Heater Temperature Setting
k. Average Water Maintained Temperature
l. Temperature Differential (j) - (k)
m. Is Hot Water Supply Adequate
n. Insulation Thickness
o. Insulation Material
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

see sketch

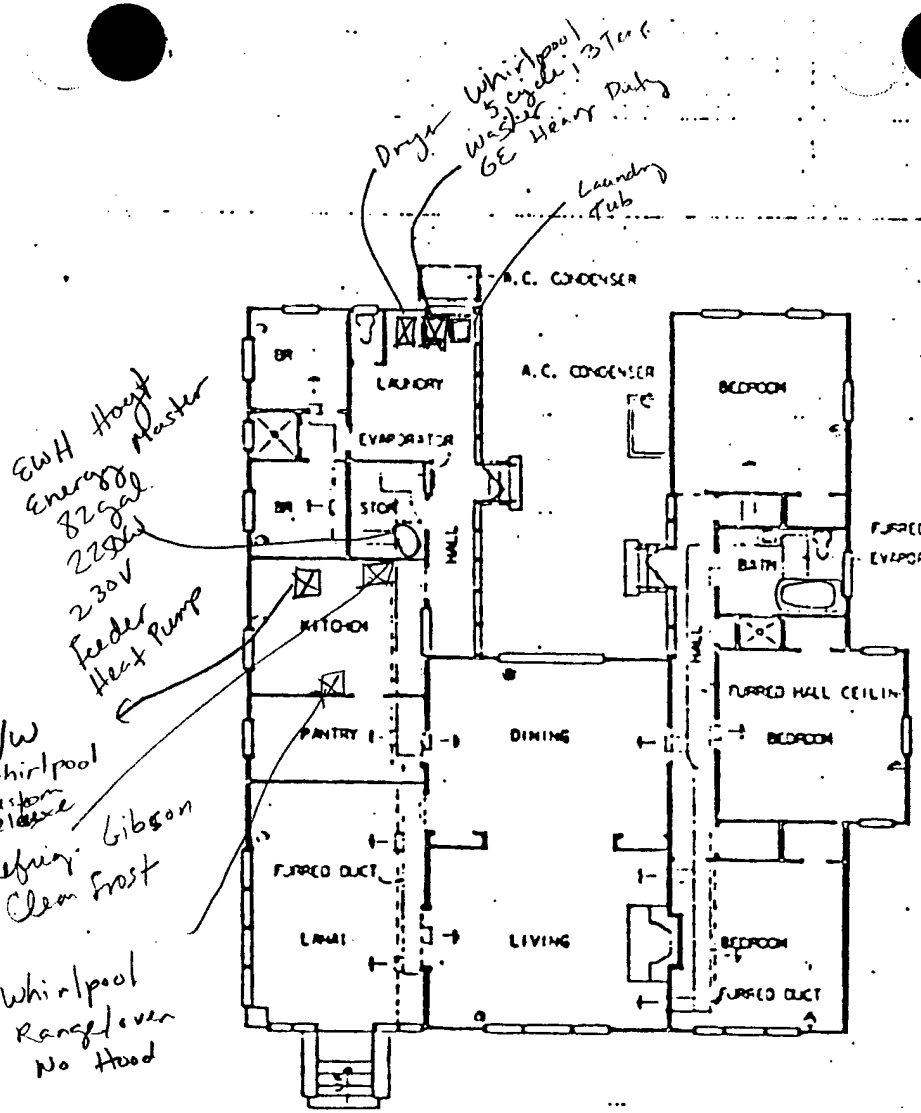
1) Mfg/Mdl
2) Galons HW/Wash
3) Booster Heater Mfg/Mdl
4) Heating Source
5) Capacity
6) Electrical Data

b. Clothes Washer

1) Mfg/Mdl
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash
4) Electrical Data

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	4.5l/10s	128°F	
Hall Shower	2l/1c	130F	
Kit. Sk	1l/10s	128F	
Bath tub	4l/10s	130F	
Bathroom Shower	3l/10s	126F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

AREA D	401,	402,	403,	404,	405
	406,	407,	408,	411,	412
	413,	414,	415,	416,	417
	418,	419,	420,	421,	422
	423,	424,	427,	428,	429
	430,	431,	432,	433,	434
	435,	436,	437,	438,	439
	440,	443,	444,	445,	446
	447,	448			
AREA E	501,	502,	503,	504,	505
	506,	507,	508,	511,	512
	513,	514,	515,	516,	517
	518,	519,	520,	521,	523
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	536,	537,	538,	539,	540
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	548				
AREA I	702,	703,	704,	705,	706
	707,	708,	709,	710,	711
	714,	715,	716,	717,	718
	719,	720,	721,	722,	723
	724,	725,	726,	727,	728
	729,	730,	731,	732,	735
	736,	737,	738,	739,	740
	741,	742,	743,	744	

SEE SITE PLAN SHEET (S1) (S2) FOR LOCATION

Type 20-III

8' 4' 0 8' 16'

REVISIONS	
FAMILY HOUSING	
PRELIMINARY DATA FOR AIR CONDITIONING PROJECTS	
OFFICERS' QUARTERS SCHOFIELD AREAS D E AND I	
FLOOR PLAN 3 BR	TYPE 3
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	

FLOOR PLAN
SCALE 1/8" = 1'-0"
BEDROOM
BEDROOM
DINING
LIVING
KITCHEN
BATH
A.C. CONDENSER
A.C.
LAUNDRY
SLOPED CEILING
SLOPED CEILING
SLOPED CEILING

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 415

Building Type: 20-111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: @ ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: 1/week

Remarks: _____

2.0 ARCHITECTURAL Same as unit 401

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 4.1

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: None
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

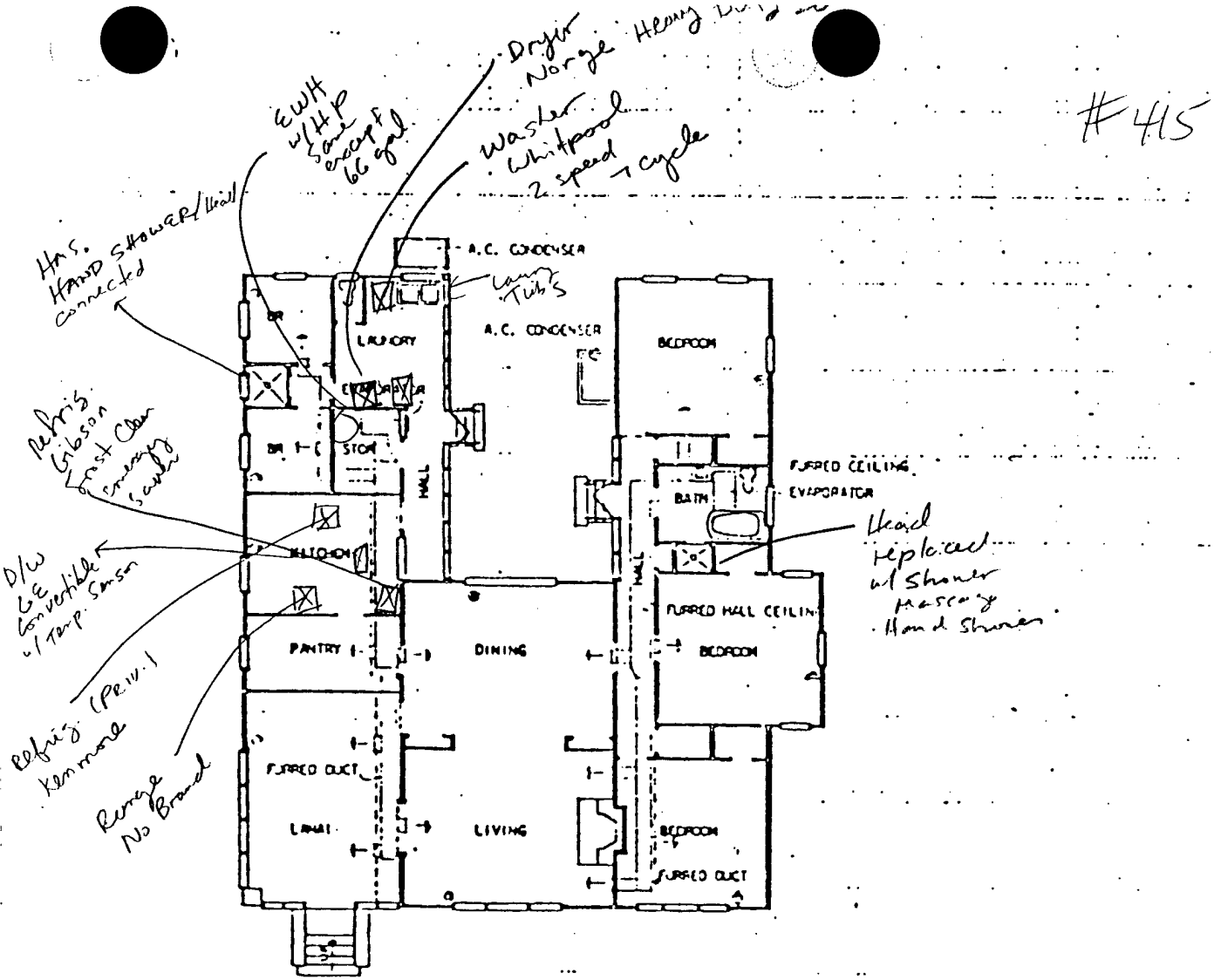
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	6l/10s	117°F	
Bath Shower	1l/10s	118F	

#415



FLOOR PLAN
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

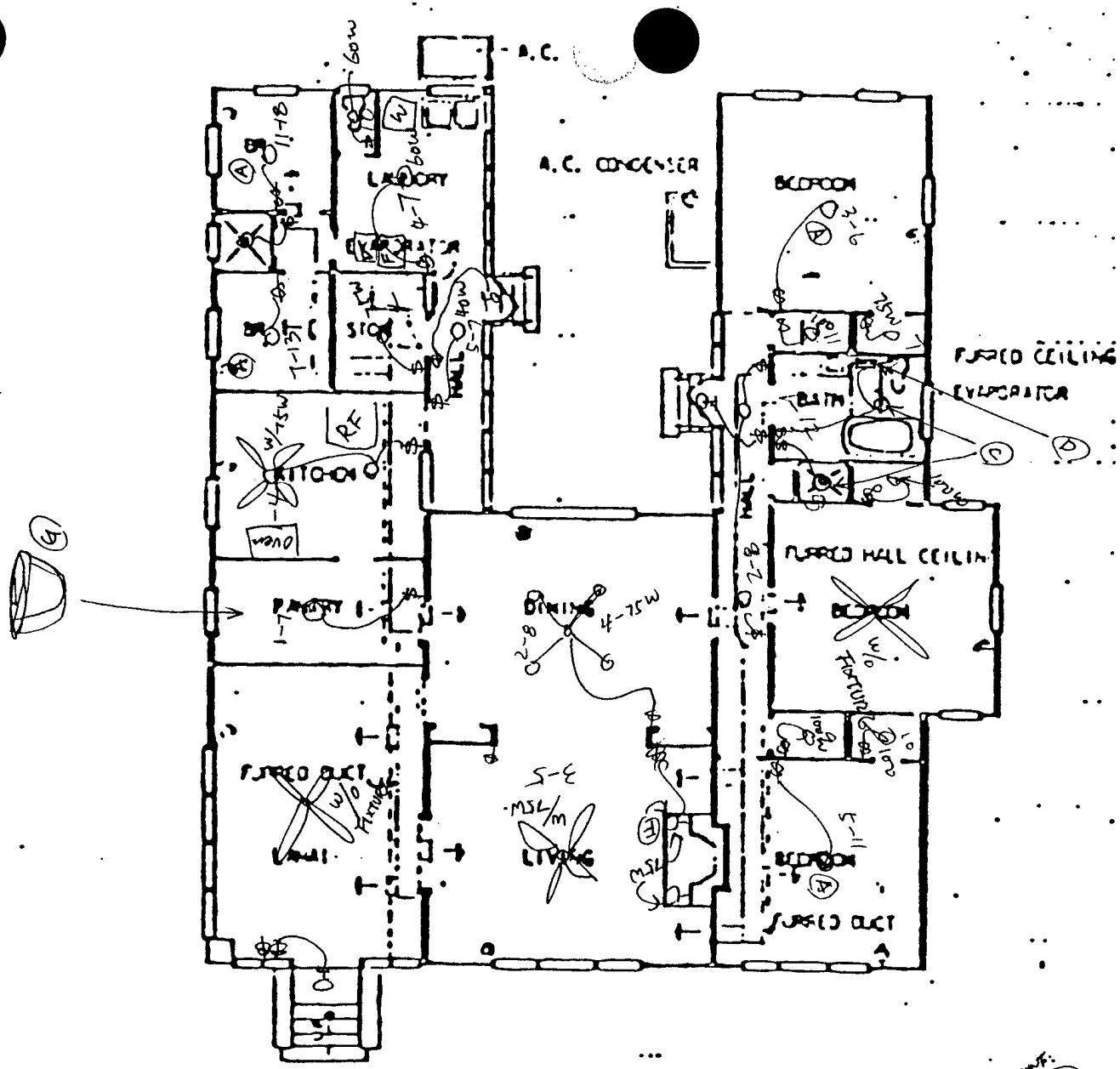
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	447,	448			
AREA E	501,	502,	503,	504,	505
	506,	507,	508,	511,	512
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	548				
AREA I	702,	703,	704,	705,	706
	707,	708,	709,	710,	711
	714,	715,	716,	717,	718
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	724,	725,	726,	727,	728
	729,	730,	731,	732,	733
	736,	737,	738,	739,	740
	741,	742,	743,	744	

SEE SITE PLAN SHEET (S1) (S2) FOR LOCATION

Type 20-III

REVISIONS
FAMILY HOUSING
PRELIMINARY DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D E AND I
FLOOR PLAN 3 BR TYPE 3
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII

8' 4' 0 8' 16'



FLOOR PLAN

SCALE 1/8" = 1'-0"

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 449

Building Type: 20-111

Apartment: —

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day

No. of Occupants: 2

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: no

Remarks: _____

2.0 ARCHITECTURAL

same as 4.1

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT Same as 401

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

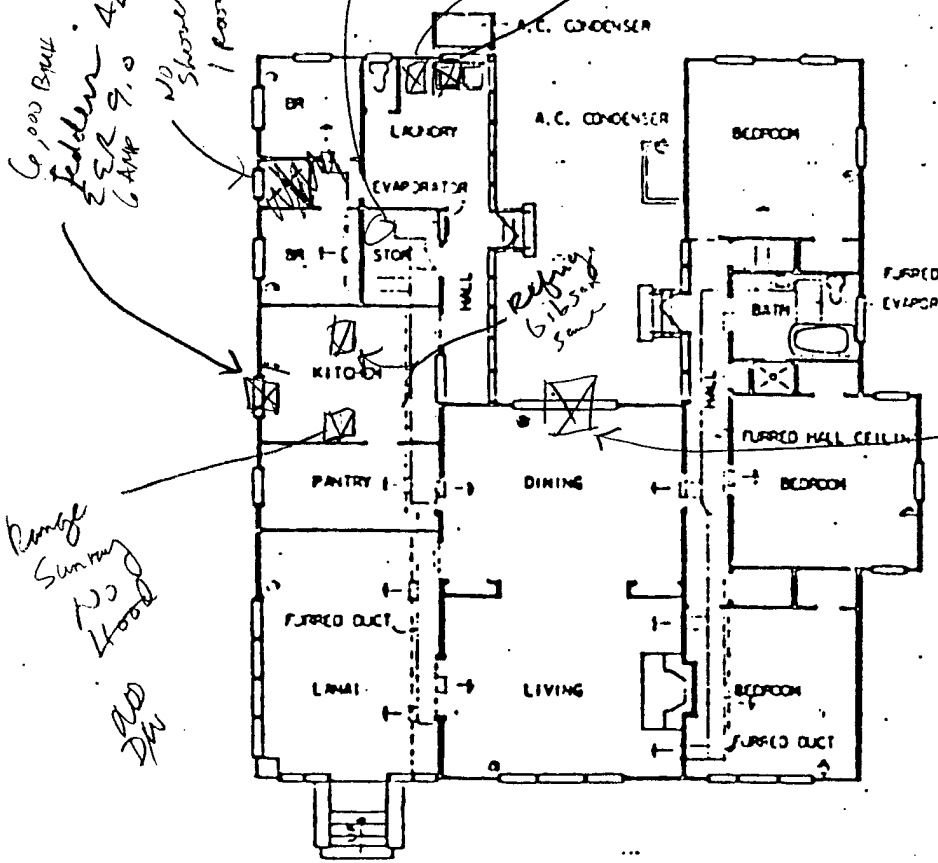
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	4ℓ/10S	126 F	
Bathroom Shwr	1.5/10S	120F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

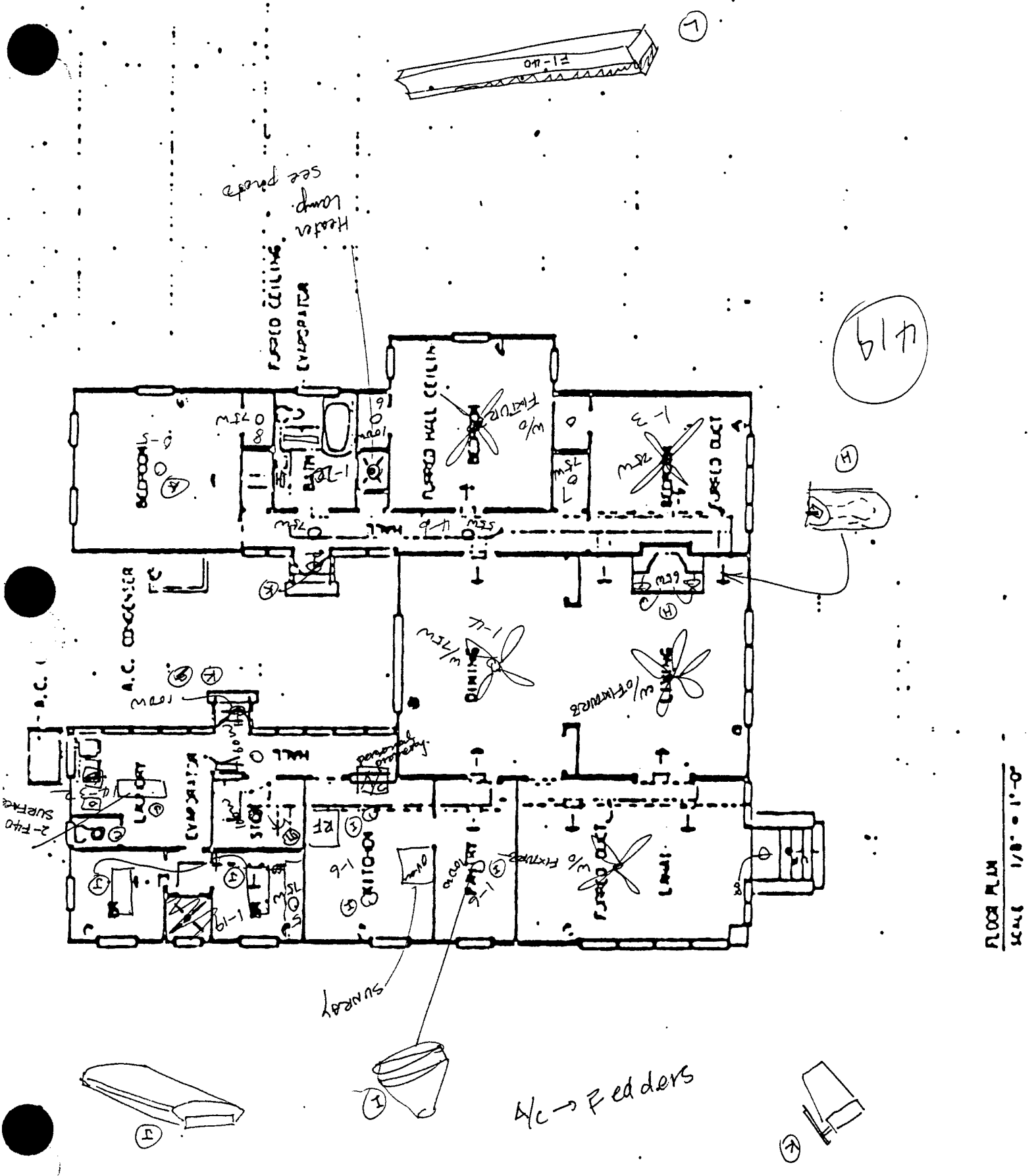
BUILDING NUMBERS

AREA D	401,	402,	403,	404,	405
	406,	407,	408,	411,	412
	413,	414,	415,	416,	417
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	447,	448			
AREA E	501,	502,	503,	504,	505
	506,	507,	508,	511,	512
	513,	514,	515,	516,	517
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	548				
AREA I	702,	703,	704,	705,	706
	707,	708,	709,	710,	711
	714,	715,	716,	717,	718
	719,	720,	721,	722,	723
	724,	725,	726,	727,	728
	729,	730,	731,	732,	733
	736,	737,	738,	739,	740
	741,	742,	743,	744	

SEE SITE PLAN SHEET (51) (53) FOR LOCATION

Type 20-III

REVISIONS
FAMILY HOUSING TYPICAL DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D E AND I FLOOR PLAN 3 BR TYPE 3
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII


Heater Lamp see photo
SUNRAY
A/C → Feeders

Date: 1/10/96
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 421

Building Type: 20-111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 5

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 401

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ____

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT Same as 401

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

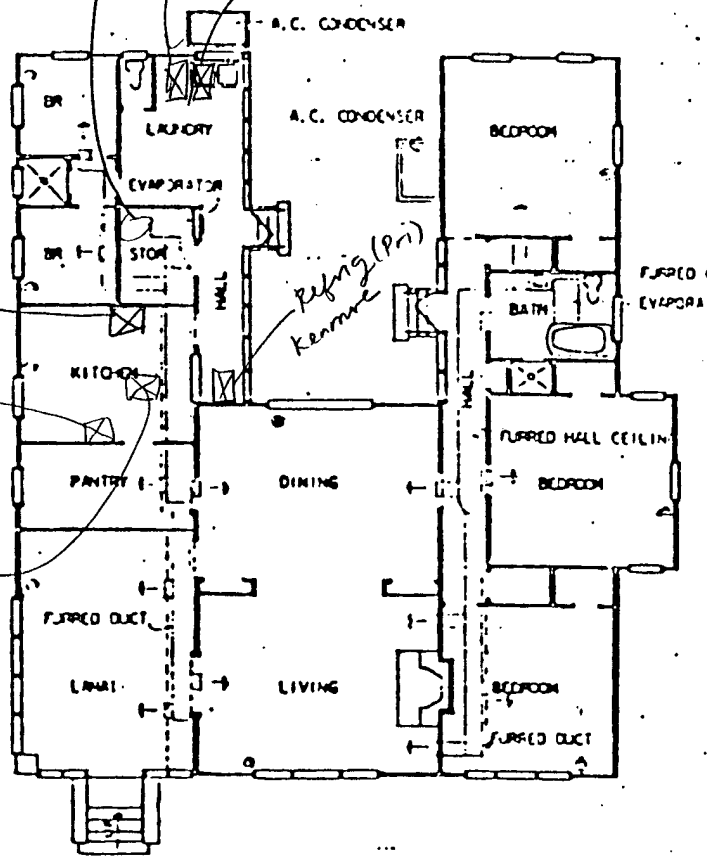
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Hall Shower	2ℓ/10s	122° F	
Bath Tub	4.5ℓ/10s	117 F	

EWH 9-HP
Typ. 82 gal.

Dryer 4 cycle, 3 temp
Wash Whirl
2-SP., 5 cy.

#421



Refrig Gibson Typ.

Refrig (Pri) Remote

Range Sunray W. Hood

DW GE Typ.

FLOOR PLAN
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

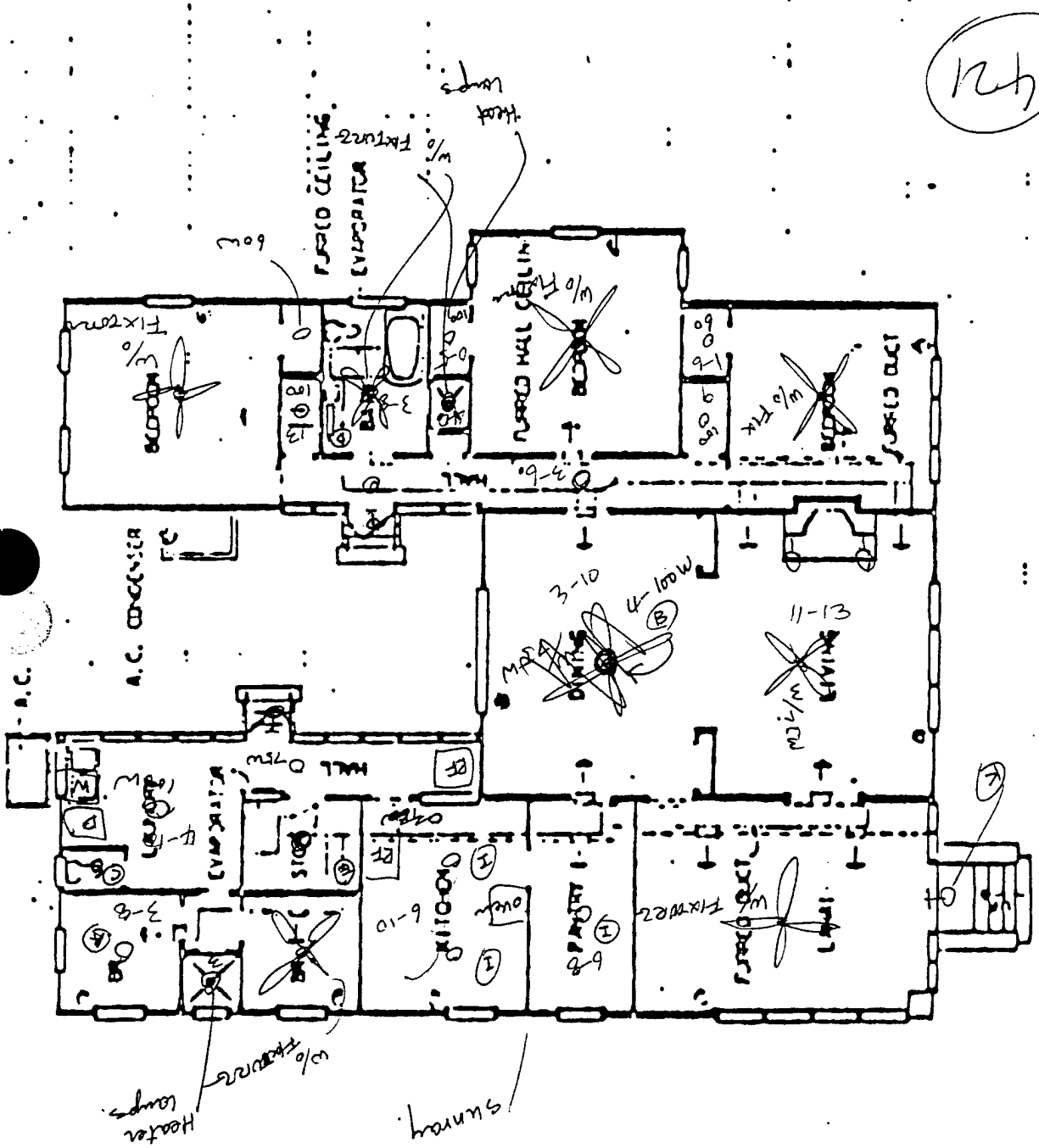
AREA D	401,	402,	403,	404,	405
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	423,	424,	427,	428,	429
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	447,	448			
AREA E	501,	502,	503,	504,	505
	506,	507,	508,	511,	512
	513,	514,	515,	516,	517
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	536,	537,	538,	539,	540
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	548				
AREA I	702,	703,	704,	705,	706
	707,	708,	709,	710,	711
	714,	715,	716,	717,	718
	719,	720,	721,	722,	723
	724,	725,	726,	727,	728
	729,	730,	731,	732,	733
	736,	737,	738,	739,	740
	741,	742,	743,	744	

SEE SITE PLAN SHEET (51) (53) FOR LOCATION

Type 20-III

8' 4' 0 8' 16'

REVISIONS
FAMILY HOUSING TYPICAL DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D, E AND I FLOOR PLAN 3 BR TYPE 3
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII



FLOOR PLAN
SCALE 1/8" = 1'-0"

UNIT TYPE 20-IV

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 804

Building Type: 20-IV

Apartment: —

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 6

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: No Used

Remarks: _____

2.0 ARCHITECTURAL

crawl space under unit = 2'

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood Walls		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood Roof		
Asphalt Shingles		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window	✓	
Tinted		✓
Reflective Coating		

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

✓ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 120 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Not insulated, Interconn. HP piping not insl.
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served Entire
c. Manufacturer and Model Hoyt Model FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities: ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 66 gal

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition good cond.
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher — see sketch

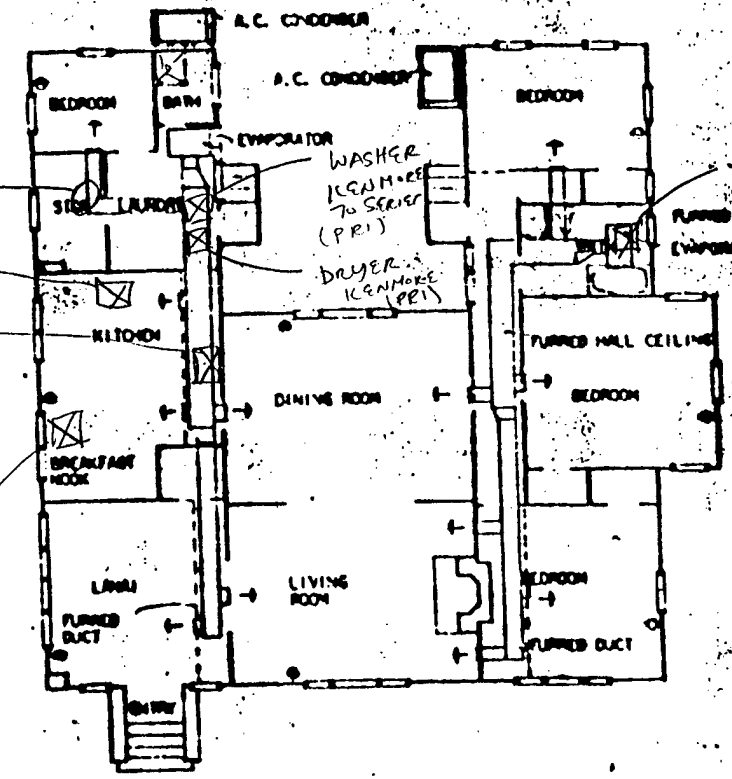
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	5l/10s	120F	
Bathroom Shower (Main	1l/10s	117F	
Bathroom Tub	6.5l/10s	117F	



3 WH & HP (TYP) 66 gal

Range GE N. Hood Refrig- Whirlpool Princess Series

D/W GE (TYP.)

E.F. (Not working) #804. R

FLOOR PLAN
SCALE 1/8" = 1'-0"

0' 4' 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

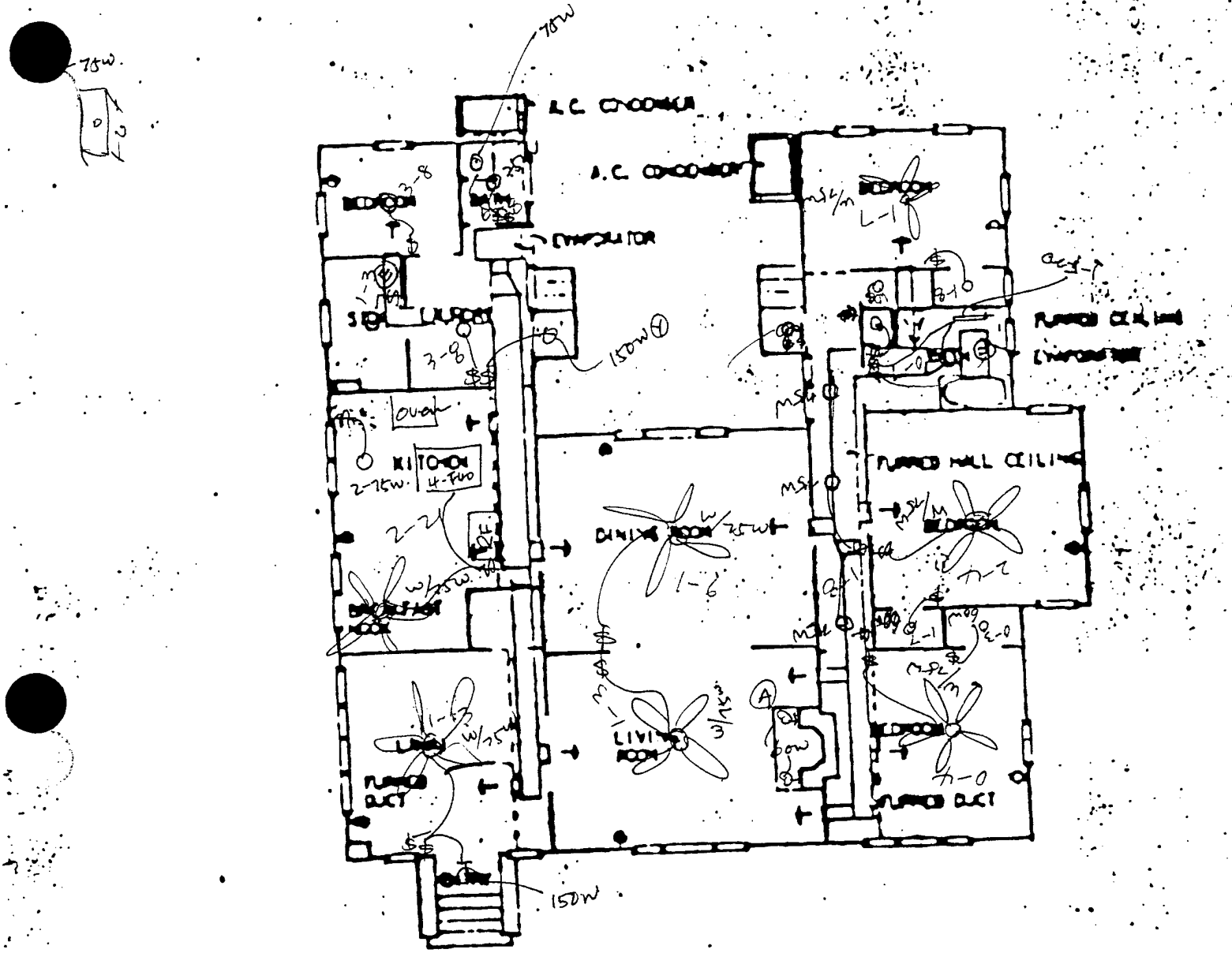
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816, 817, 818, 819, 820, 821,
823, 824, 825, 826, 827, 828,
836, 837, 838, 839, 840, 841
842

SEE SITE PLAN SHEET (2) FOR LOCATION

Type 20 - IV

REVISIONS					
FAMILY HOUSING					
BUDGETARY DATA FOR AIR CONDITIONING PROJ					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 3 BR					AREA TYPE
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		26	23	07	549.

JULY 1973



FLOOR PLAN

Type 20 TV

803 804 805 806 807 808 809 816 817 818 819
820, 821, 822 823, 824

GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 805

Building Type: 20-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day

No. of Occupants: 5

Average No. of Showers/Day: 8

Average No. of Laundry Loads/Week: 20

Average No. of Times Dishwasher Used/Day: 2

Remarks: _____

2.0 ARCHITECTURAL

same as 804

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

same as 804

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

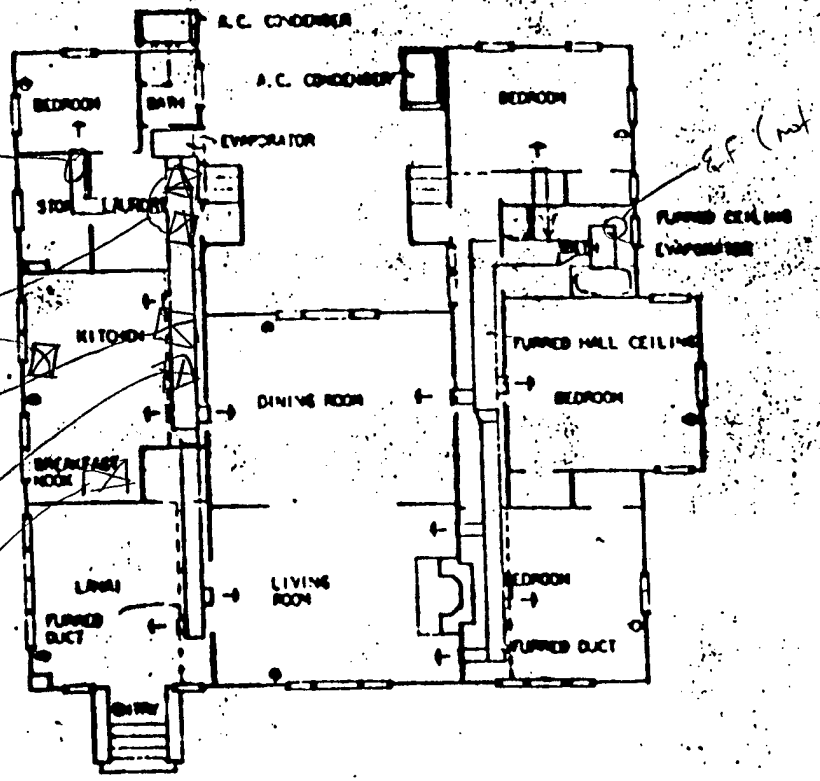
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3l/10s	150°F	
Bathtub	4l/10s	146F	

#805



EWH w/HP (Typ
66 gal
AP Bypassed

E.F (not working)

Refrig. Admiral

D/W GE (Typ)

Deep Freezer Kenmore 9 (Pull)

FLOOR PLAN
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

803, 804, 805, 806, 807, 808,
816, 817, 818, 819, 820, 821,
822, 824, 826, 826, 827, 828,
836, 837, 838, 839, 840, 841
842

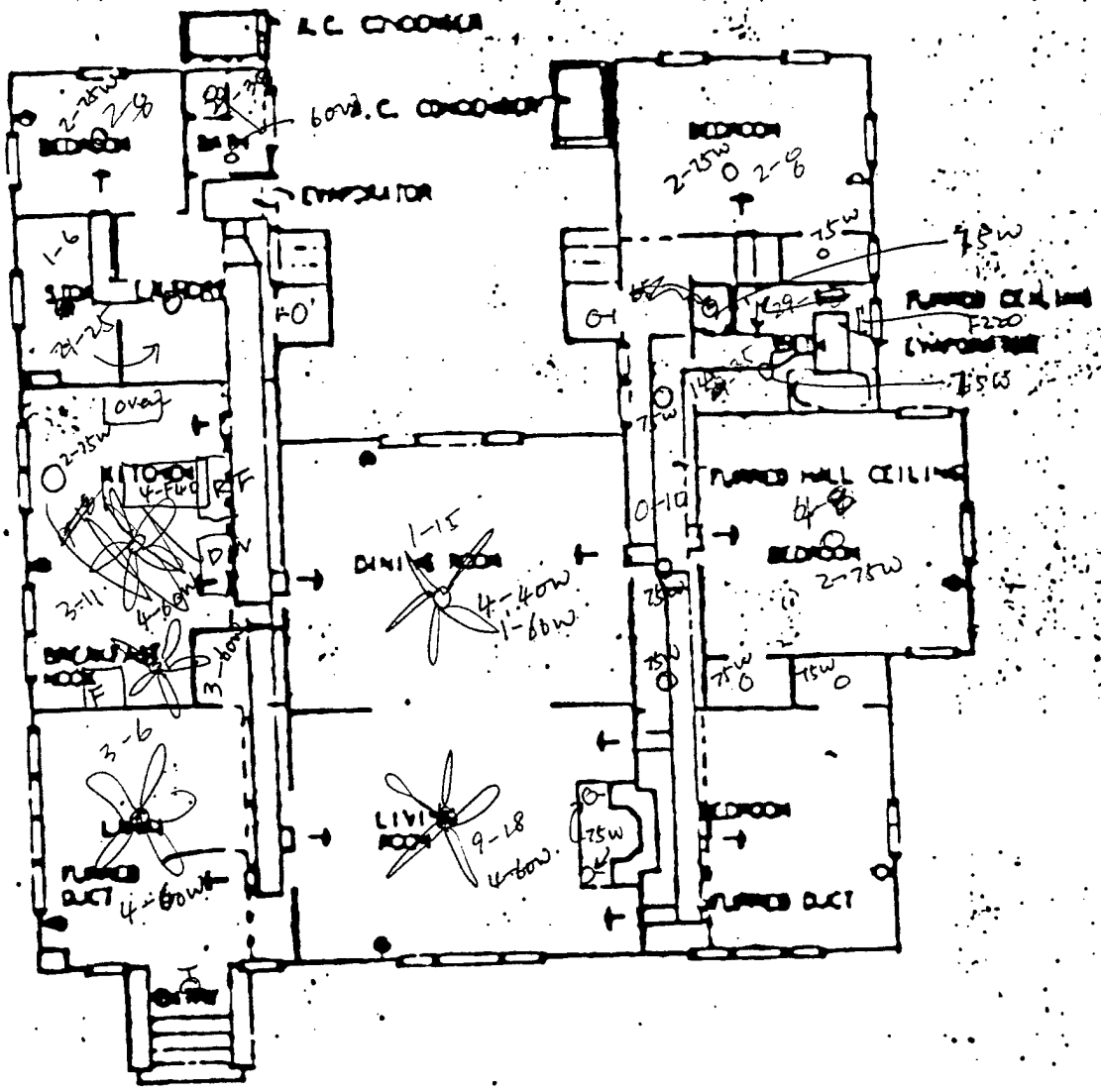
SEE SITE PLAN SHEET (01) FOR LOCATION

Type 20 - IV

REVISIONS					
FAMILY HOUSING					
BUDGETARY DATA FOR AIR CONDITIONING PROJE					
OFFICERS' QUARTERS SCHOFIELD					AREA
FLOOR PLAN 3 BR					TYPE
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCE CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		20	23	09	341

MAY 1973

GRAPHIC SCALE 1/8" = 1'-0"



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20 TV

803 804 (805) 806 807 808 809 816 817 818 819
820, 821, 822 823, 824

GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 807

Building Type: 20-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 6

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 2

Remarks: _____

2.0 ARCHITECTURAL

same as 804

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

Same as 804

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

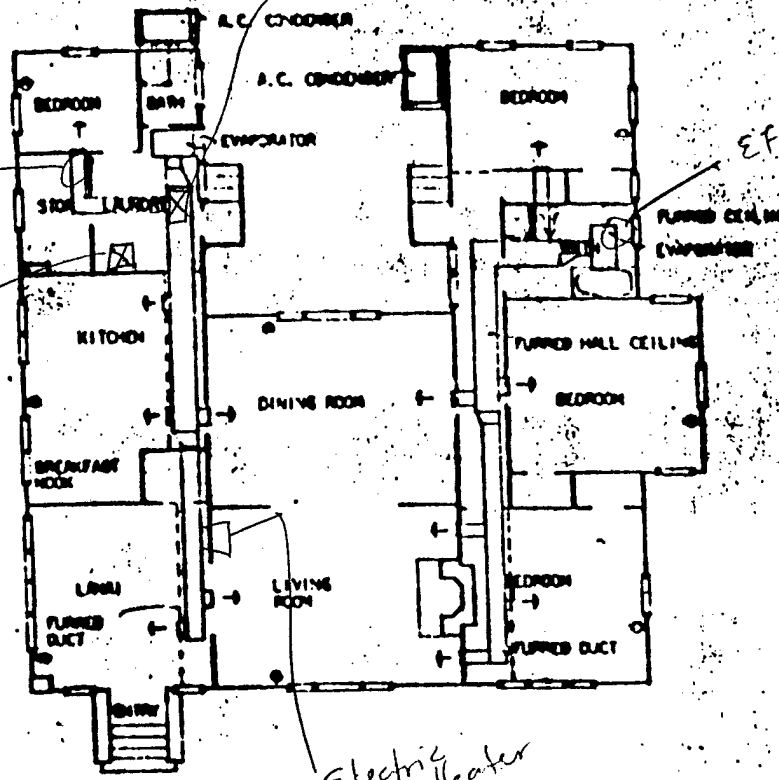
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub St	1.5ℓ/10s	108F	
Shower (Main	3ℓ/10s	108F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

807 R

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

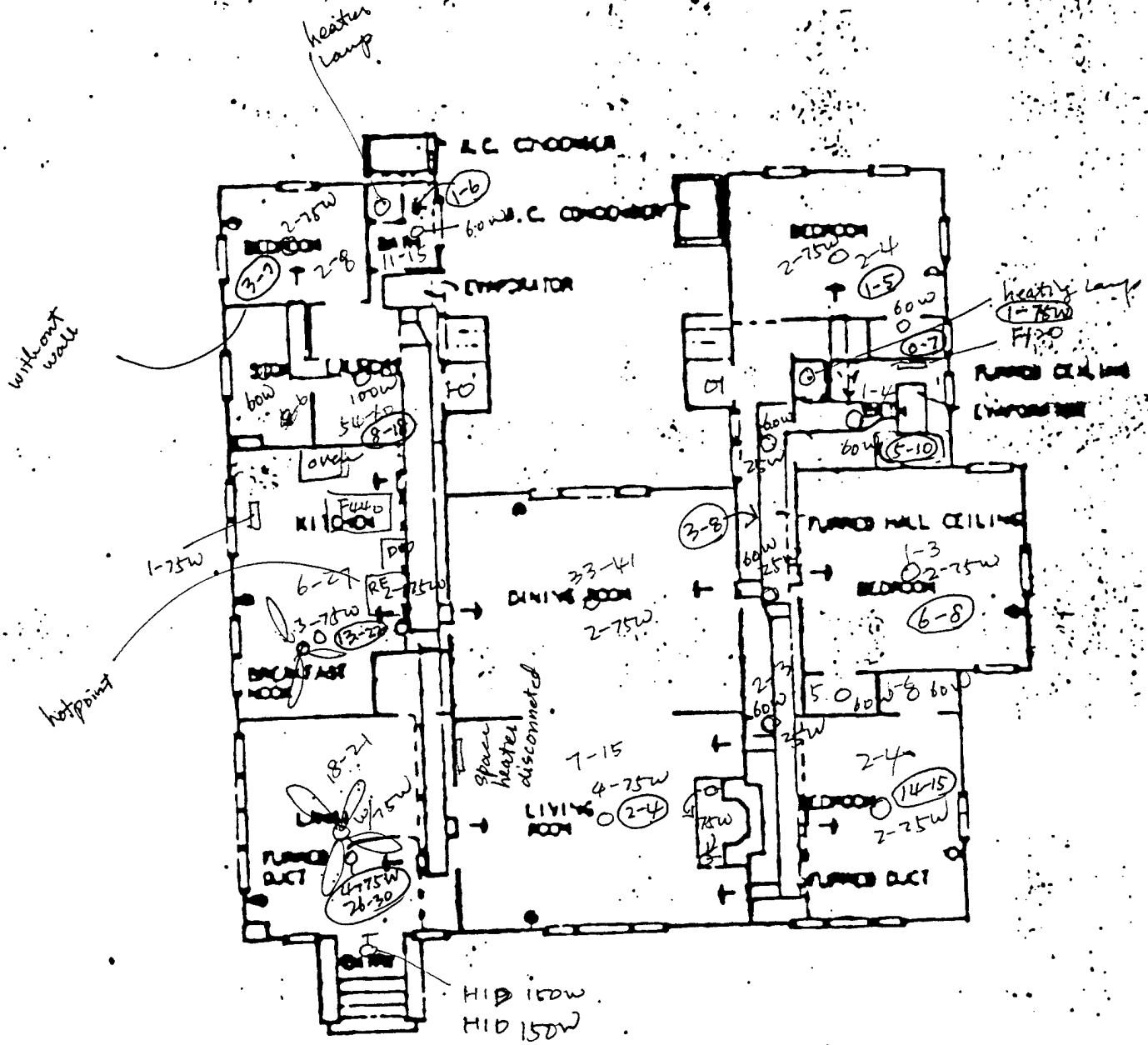
803,	804,	805,	806,	807,	808,
816,	817,	818,	819,	820,	821,
823,	824,	825,	826,	827,	828,
830,	831,	832,	836,	840,	841
842					

SEE SITE PLAN SHEET (01) FOR LOCATION

Type 20 - IV

REVISIONS					
FAMILY HOUSING					
BUDGETARY DATA FOR AIR CONDITIONING PROJECT					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 3 BR					AREA TYPE
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		36	22	07	3-4.

MAY 1973



Type 20 TV

803 804 805 806 (807) 808 809 816 817 818 819
820, (821), 822 823, 824

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 809

Building Type: 20 - IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 7

Average No. of Showers/Day: 8

Average No. of Laundry Loads/Week: 35

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 804

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT Same as 804

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

5

a. Dishwasher

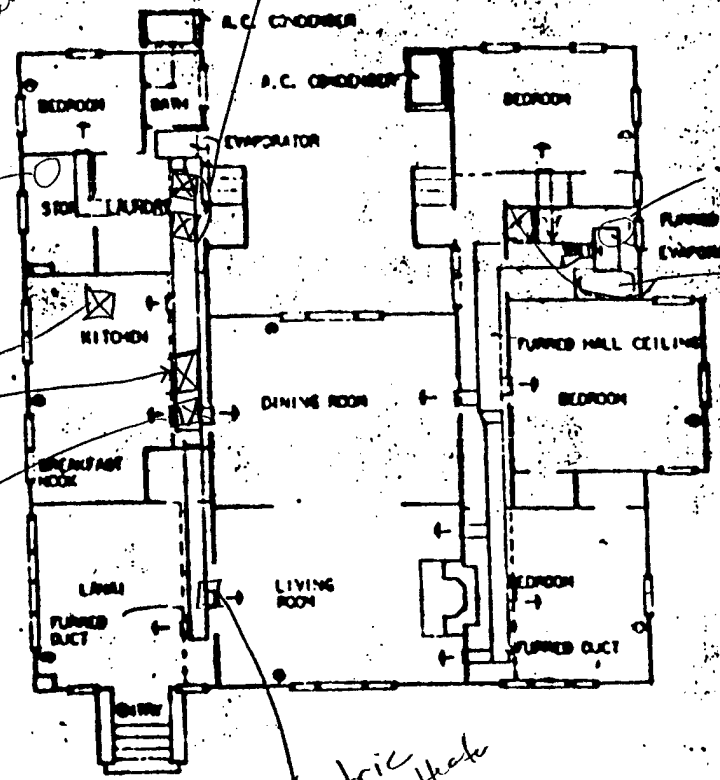
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3ℓ/10s	140F	
Bathroom (Main) Shower	2ℓ/10s	130F	Hand showerhead



#309

Disconnected

Range (Wall Mtd) (NO HOOD) ECW 4/HP (Type 66 set. Interconn. Piping incl 1 Combiflex

Refrig Hotpoint

D/W GE (Typ)

Electric Space Heat in wall Everwarm (Disconnected)

FLOOR PLAN
SCALE 1/8" = 1'-0"

0' 4' 8' 12' 16'
GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

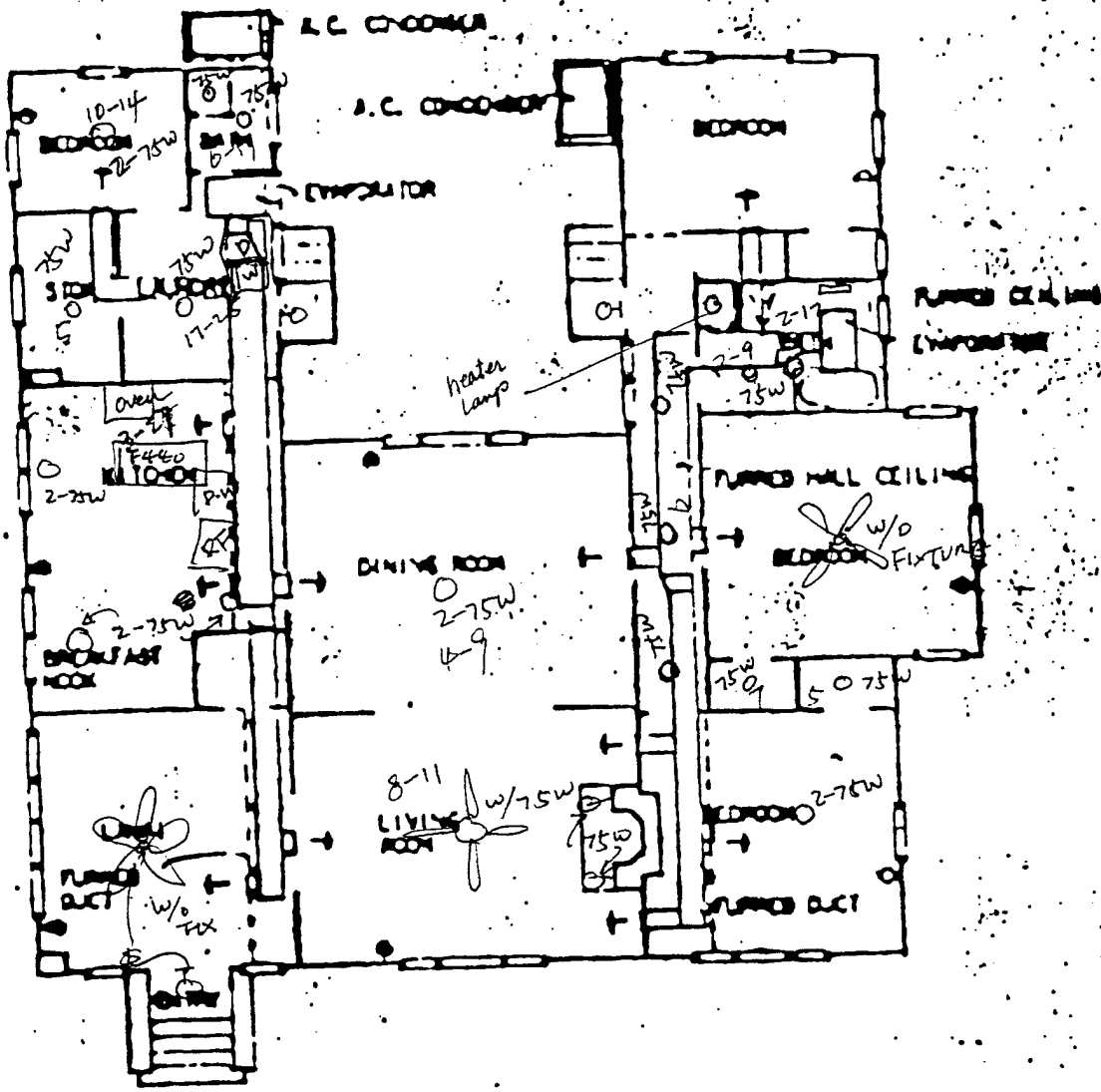
803, 804, 805, 806, 807, 808,
816, 817, 818, 819, 820, 821,
823, 824, 825, 826, 827, 828,
830, 831, 832, 838, 840, 841,
842

SEE SITE PLAN SHEET 39 FOR LOCATION

Type 20 - IV

REVISIONS					
FAMILY HOUSING					
BUDGETARY DATA FOR AIR CONDITIONING PROJECT					
OFFICERS' QUARTERS SCHOFIELD					AREA
FLOOR PLAN 3 BR					TYPE
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		38	23	09	341

MAY 1973



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20 TV

803 804 805 806 807 808 809 816 817 818 819
820, 821, 822 823, 824

GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 821

Building Type: 20-IV

Apartment: 1

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 4

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 14

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Crawl space ~ 1'-18" under house

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood

Asphalt Shingles

Inside Film

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted _____

Reflective Coating _____ ✓

3.0 HOT WATER SYSTEM same as 804

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

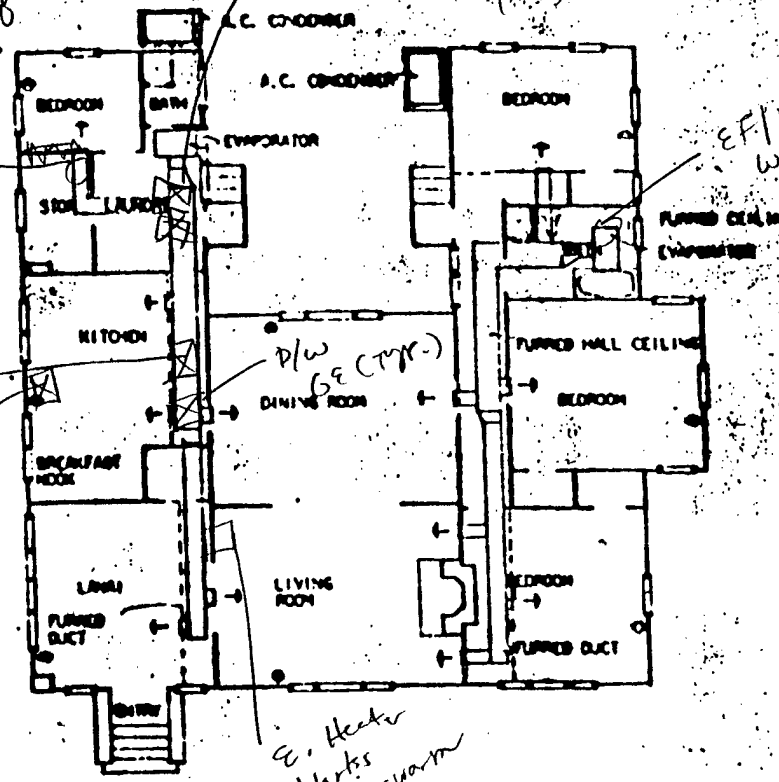
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3l/10s	124 F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

803, 804, 805, 806, 807, 808,
816, 817, 818, 819, 820, 821,
823, 824, 825, 826, 827, 828,
830, 837, 838, 839, 840, 841
842

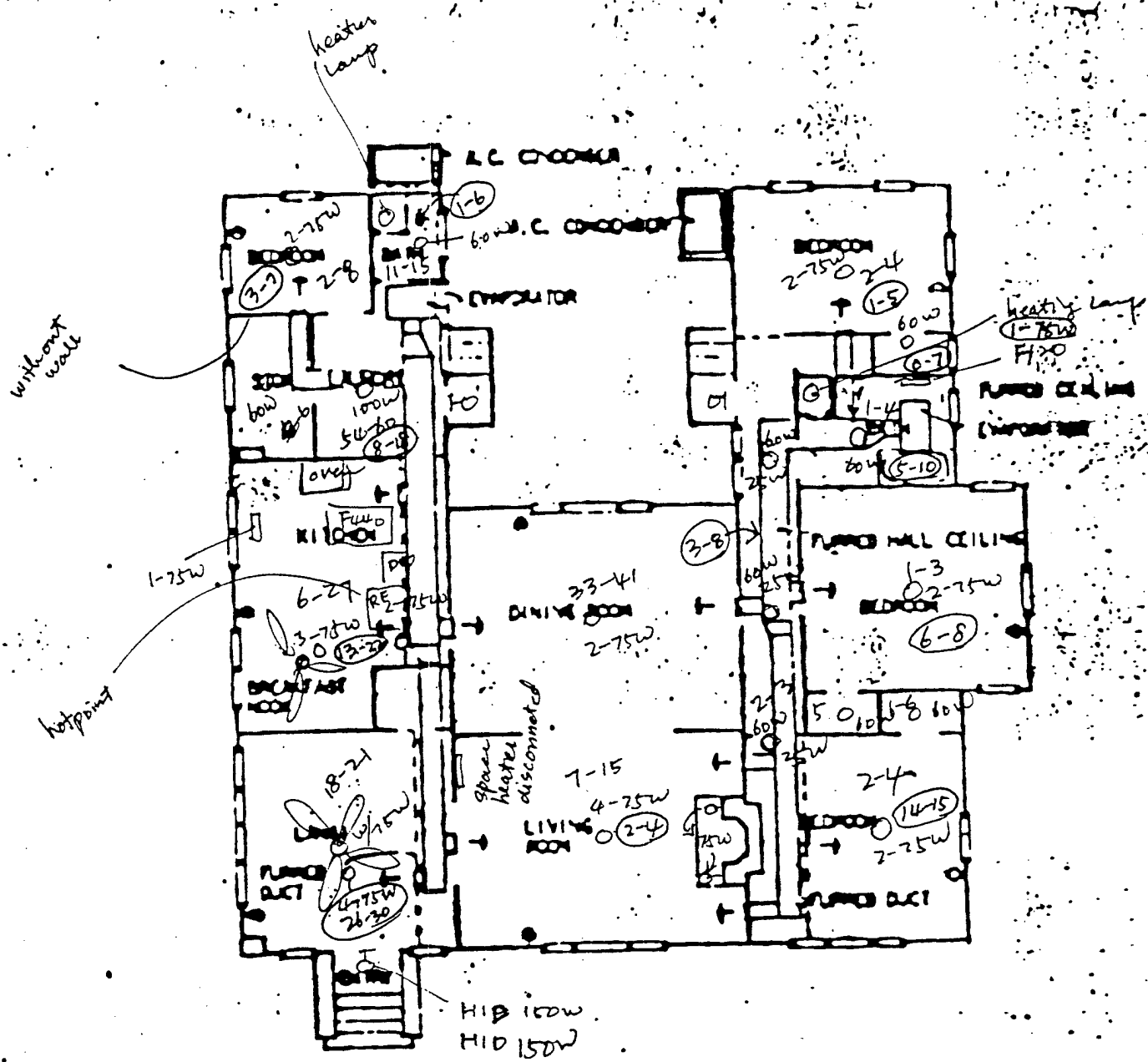
SEE SITE PLAN SHEET (01) FOR LOCATION

Type 20 - IV

REVISIONS					
FAMILY HOUSING					
BUDGETARY DATA FOR AIR CONDITIONING PROJECT					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 3 BR					AREA TYPE
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		36	23	07	343.

MAY 1973

821



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20 TV

803 804 805 806 (807) 808 809 816 817 818 819
820, (821), 822 823, 824

GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 824

Building Type: 20-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 6

Average No. of Showers/Day: _____

Average No. of Laundry Loads/Week: 14

Average No. of Times Dishwasher Used/Day: Not at all

Remarks: _____

2.0 ARCHITECTURAL

Same as 804

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____ ✓

Reflective Coating ____

3.0 HOT WATER SYSTEM same as 804

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

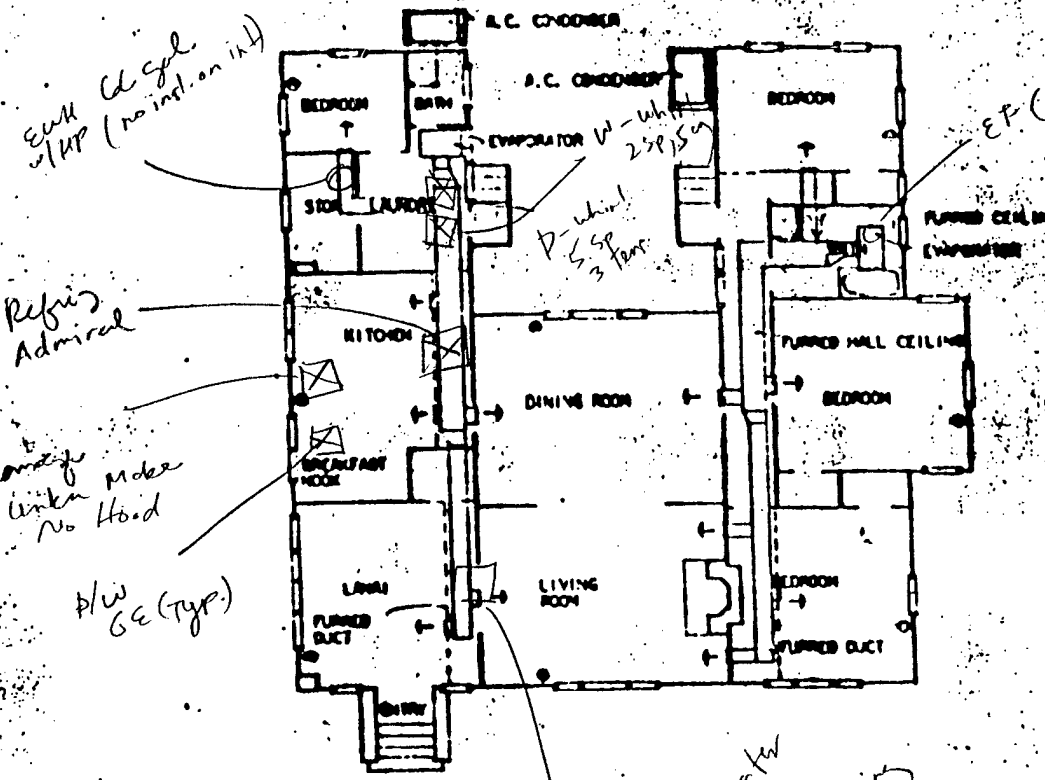
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3.5l/10s	124°F	
Main Bath Shower	1l/10s	124F	



Equip Cd sgle w/HP (no ind. on ind)

D-whirl 5 SP 3 Spds

EP (not working)

Refrig Admiral

Range Universal Make No Hood

D/W GE (Typ.)

Elect. Heater Everwarm (not working)

FLOOR PLAN
SCALE 1/8" = 1'-0"

824

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

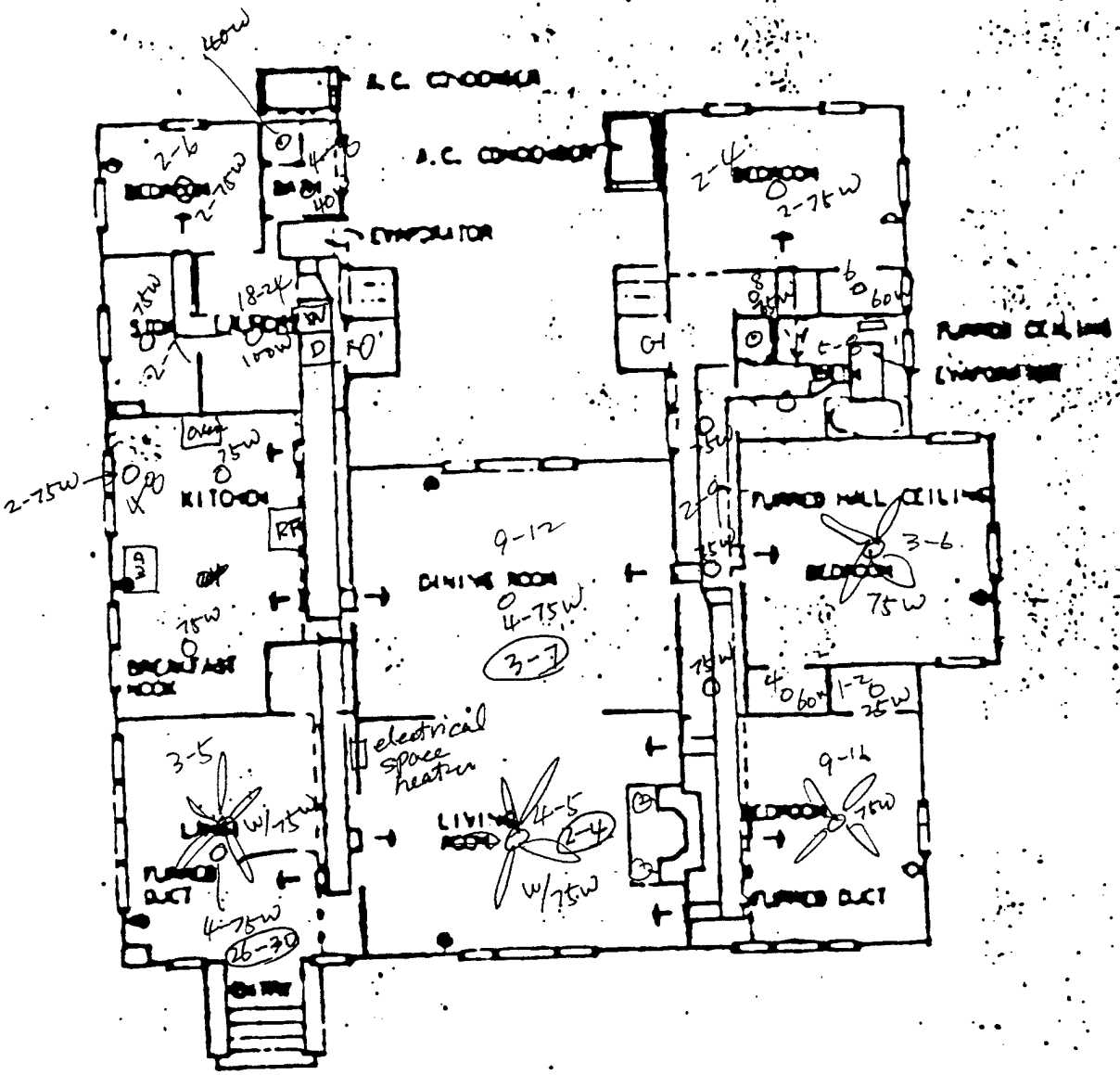
803, 804, 808, 816, 817, 818, 819, 820, 821, 823, 824, 825, 826, 827, 828, 838, 837, 838, 839, 840, 841

SEE SITE PLAN SHEET (80) FOR LOCATION

Type 20-IV

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECT					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 3 BR					AREA TYPE
SCHOFIELD BARRACKS					BASE, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9250		36	22	07	345.

MAY 1973



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20 TV

803 804 805 806 807 808 809 816 817 818 819
820, 821, 822 823, 824

GRAPHIC SCALE 1/8" = 1'-0"

UNIT TYPE 20-V

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 810

Building Type: 20V

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

2' Crawl space under house

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood wall		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood		
Asphalt Shingles		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: yes
Insulation Thickness: 1"

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Laundry
b. Areas Served entire Unit
c. Manufacturer and Model Hoyt FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities: ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 46 gal

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness 1"
o. Insulation Material Armaflex
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher — see plan

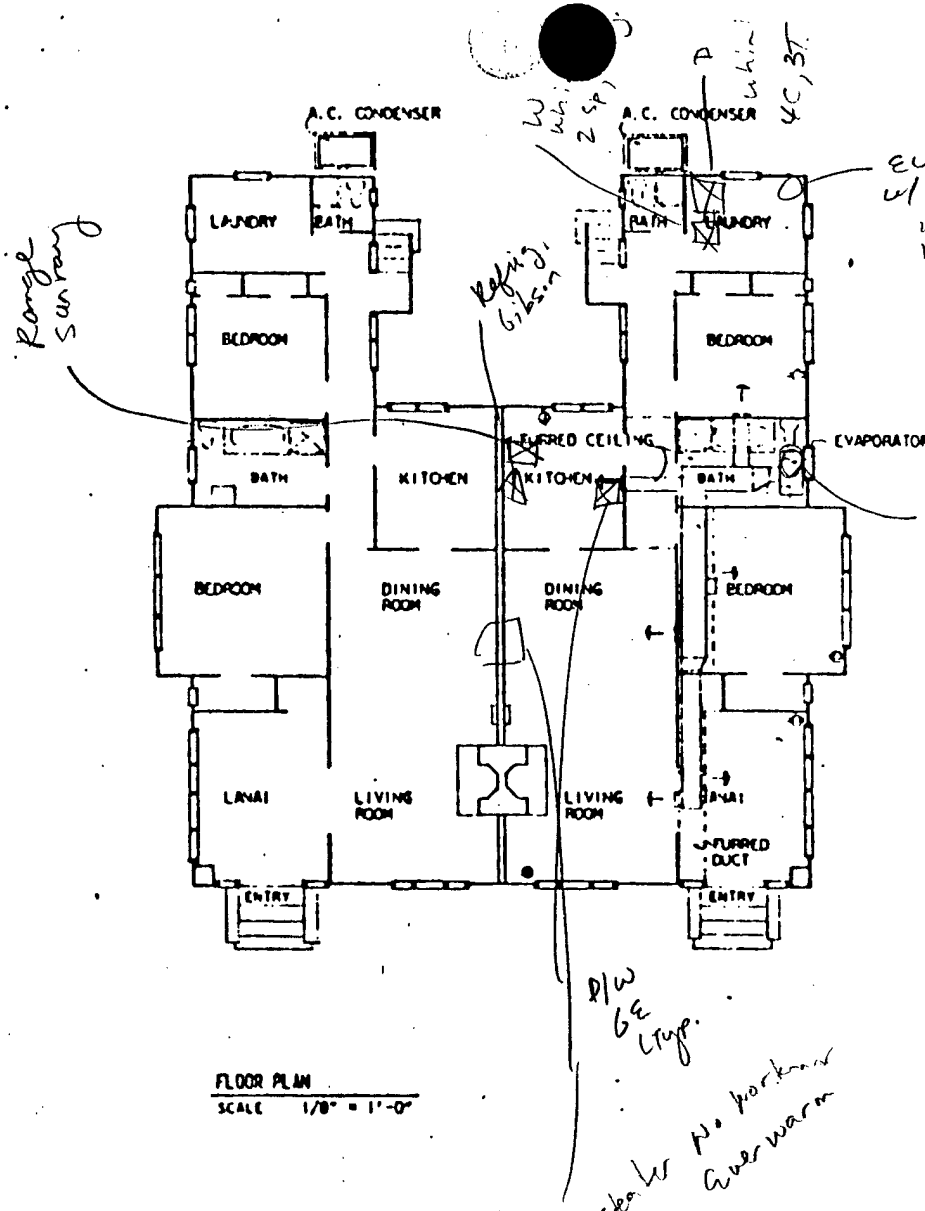
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	4l/10s	108F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

0' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

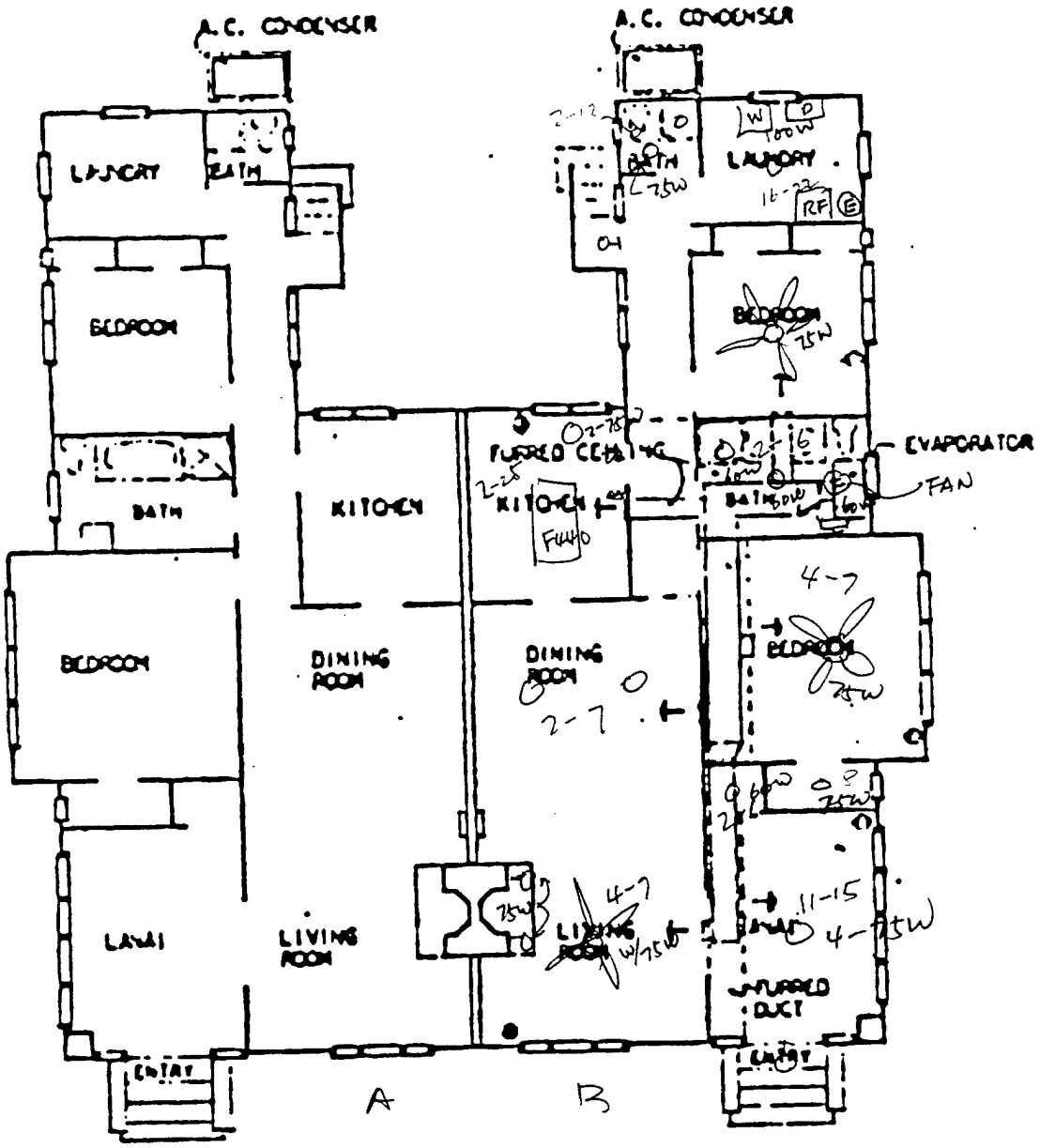
Type 20-V

BUILDING NUMBERS
810, 811, 830, 831, 832, 833, 844
SEE SITE PLAN SHEET (S1) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 2 BR (DUPLEX)					AREA J TYPE 9
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8299		25	23	07	SHT 9

MAY 1973

(S1)



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type >0V

(810), 811, 830, 831, 832, 833, 844

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 811

Building Type: 20-V

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 1 each

Average No. of Laundry Loads/Week: 1

Average No. of Times Dishwasher Used/Day: Not Used

Remarks: _____

2.0 ARCHITECTURAL

same as 810

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating /

3.0 HOT WATER SYSTEM

same as 810

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) /
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

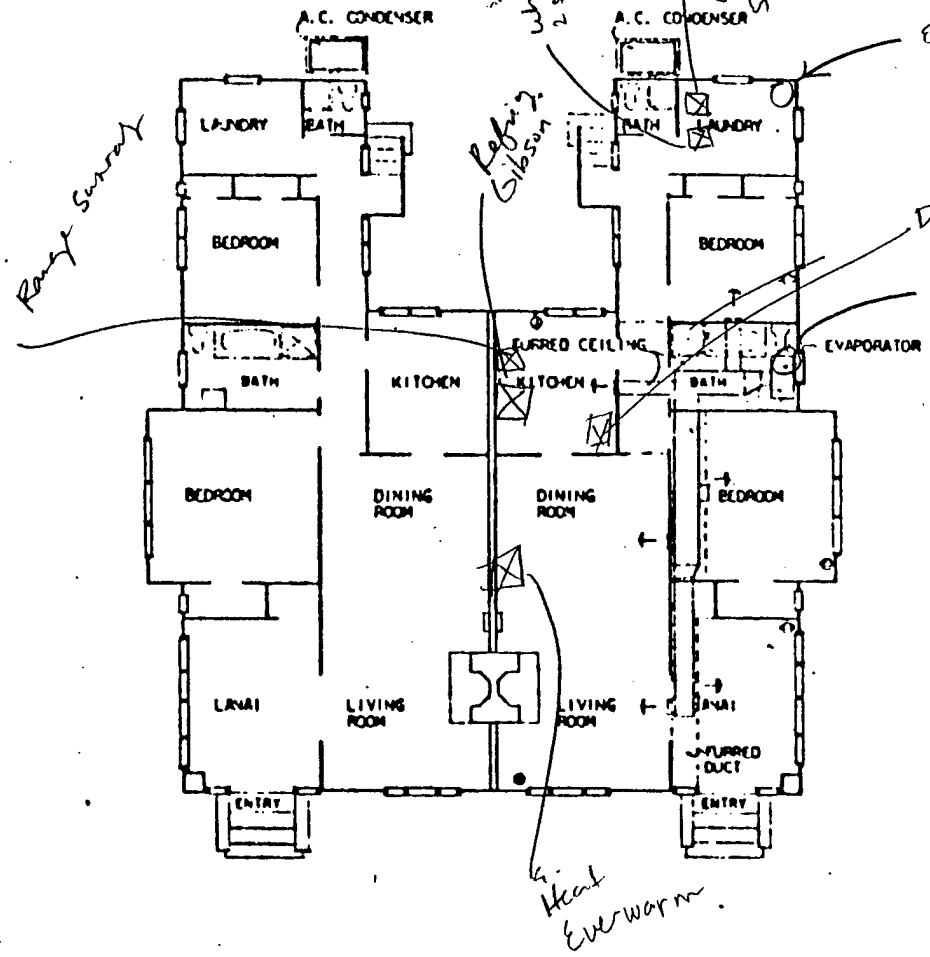
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3l/10s	112°F	
Main Shower	1l/10s	110F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

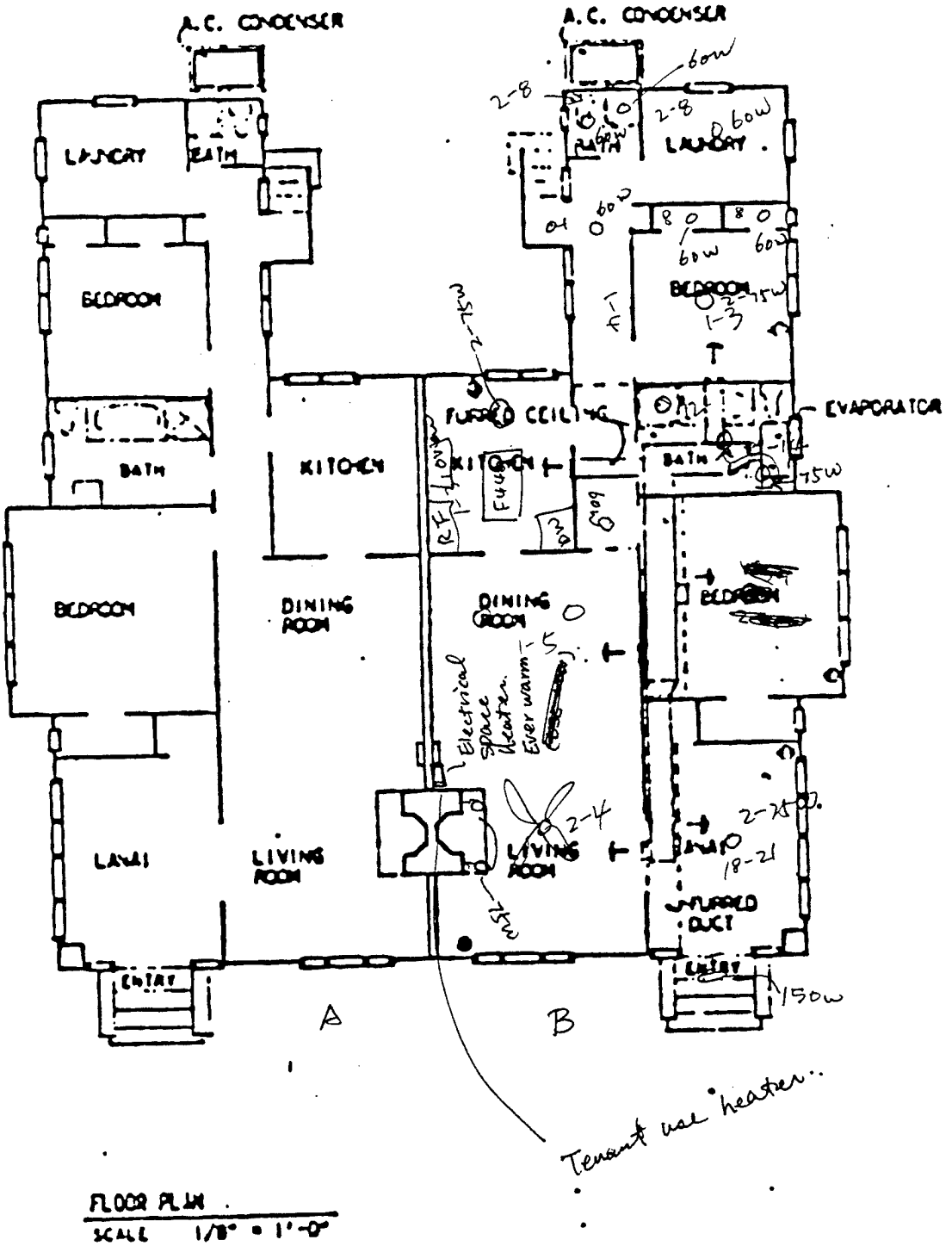
Type 20-V

BUILDING NUMBERS
810, 811, 830, 831, 832, 833, 834
SEE SITE PLAN SHEET (51) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 2 BR (DUPLEX)					AREA J TYPE 4
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9299		25	23	07	SHT 9

MAY 1973

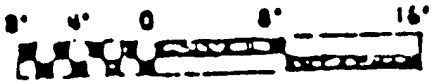
(61)



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type >0V

810, (8H), 830, 831, 832, 833, 844



GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 830

Building Type: 20-V

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

~ 1' Crawl space under House

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood wall

Inside Film

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood

Asphalt Shingles

Inside Film

Total

U-Factor _____ Area

Window Yes / No

Tinted _____

Reflective Coating /

same as 7.10

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

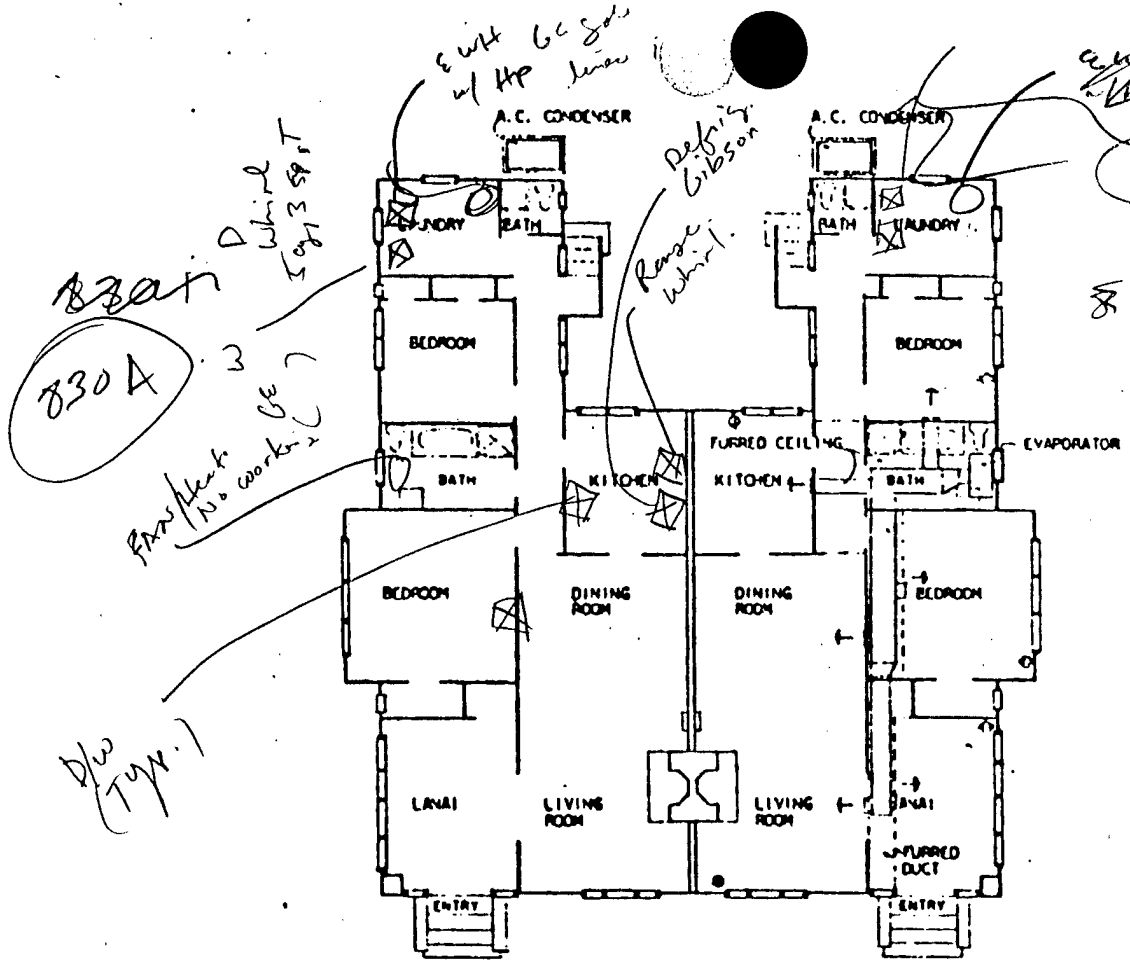
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
laundry Tub Sk	3Q/10s	110 F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

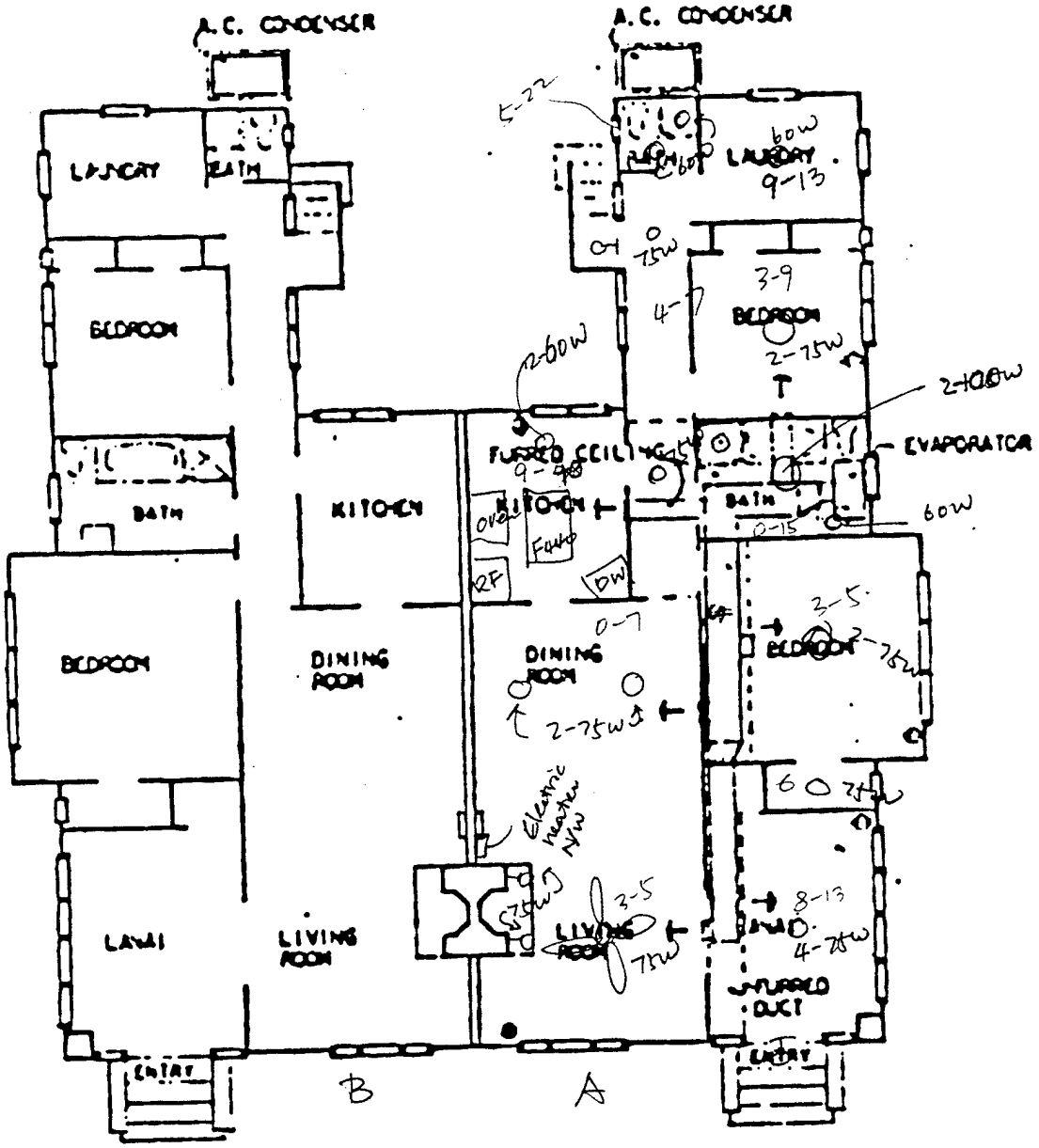
Type 20-V

BUILDING NUMBERS
810, 811, 830, 831, 832, 833, 8[illegible]
SEE SITE PLAN SHEET (S1) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 2 BR (DUPLEX)					AREA J TYPE V
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9299		25	23	07	SHT 9

MAY 1973

(61)



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type >0V

810, 811, (830), 831, 832, 833, 844

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 831

Building Type: 20-V

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 5-6

No. of Occupants: 2

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

Same as 810

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

same as 8/0

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

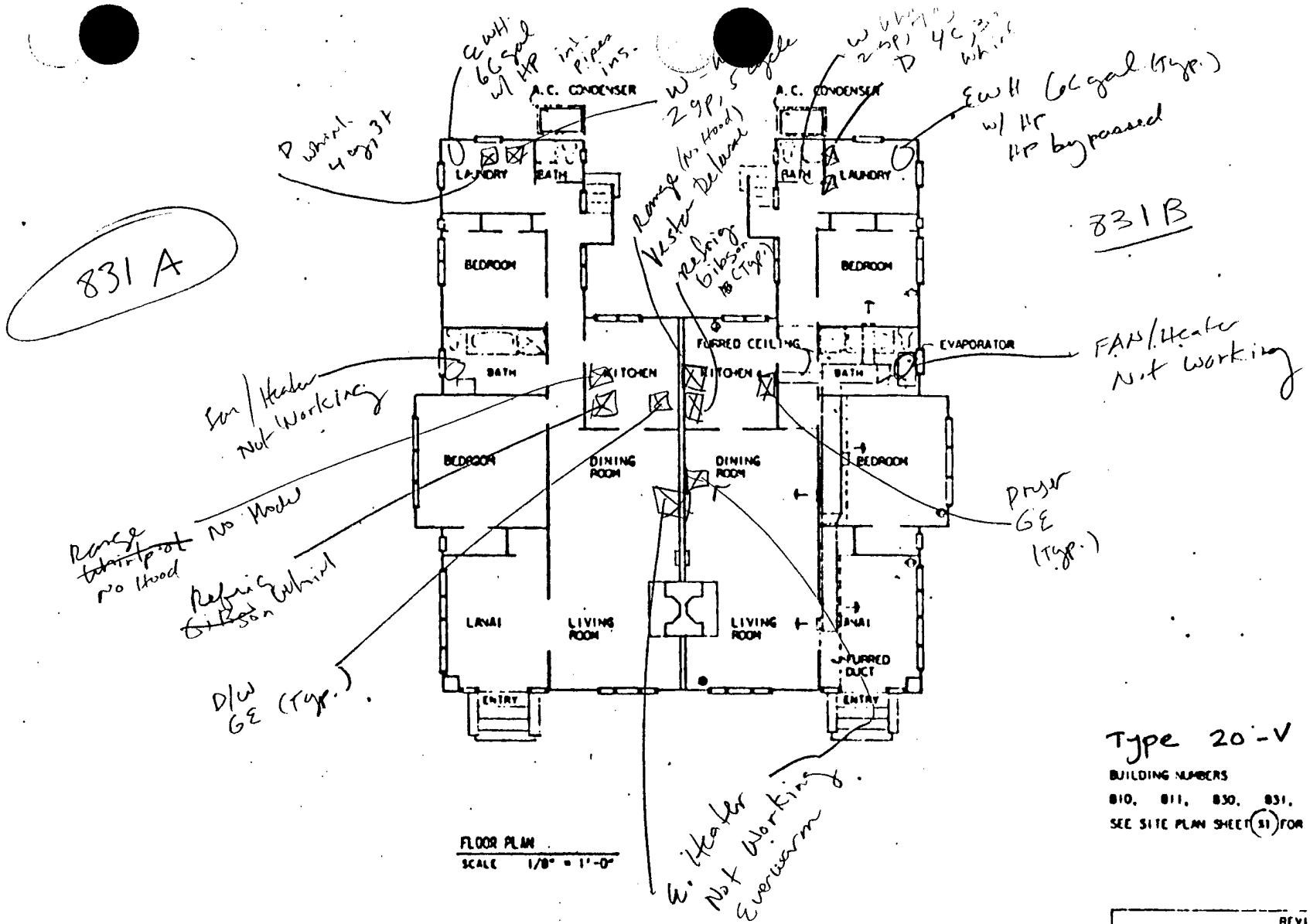
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Main Shower	12/105	118 F	



Type 20-V

BUILDING NUMBERS

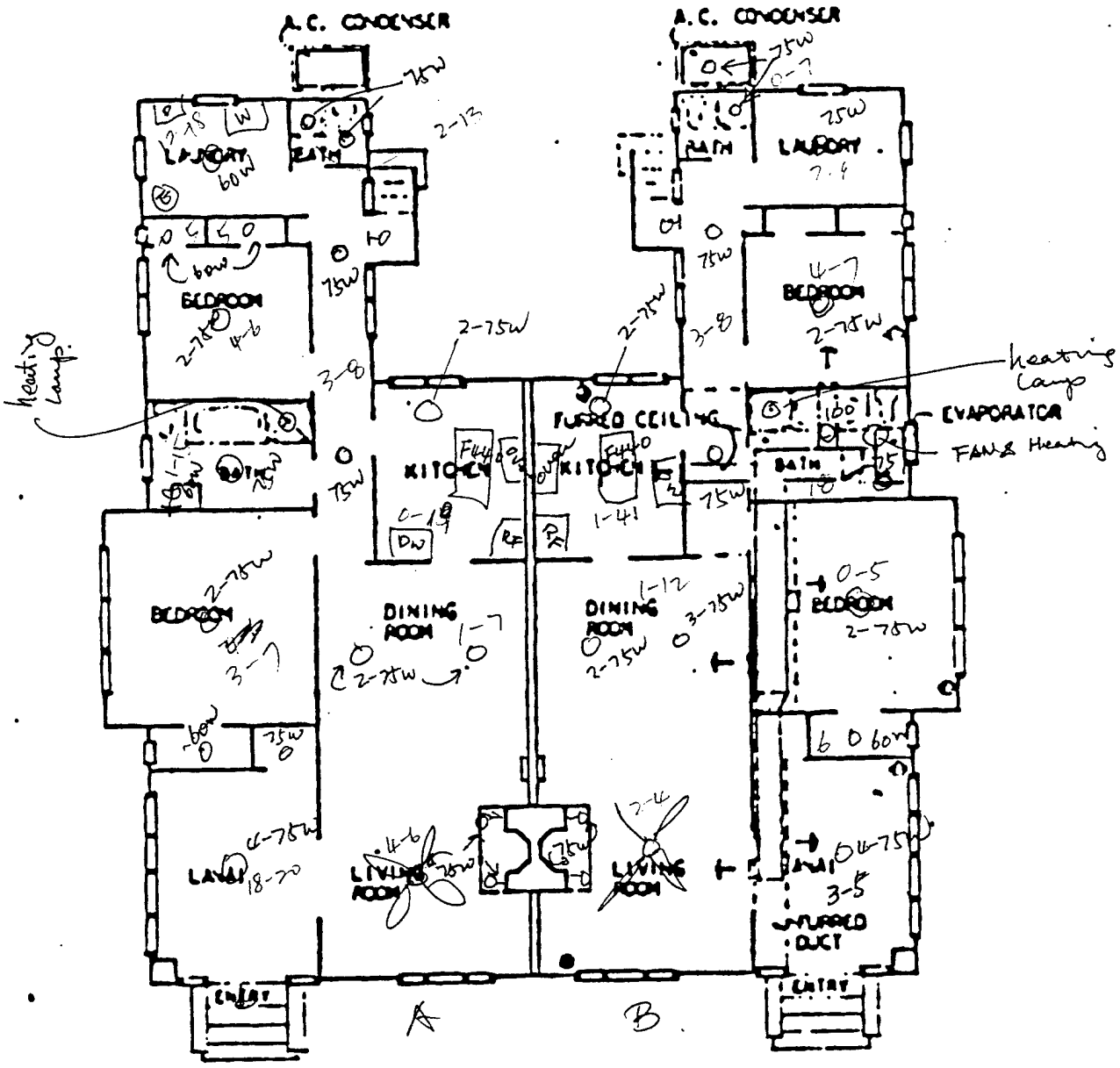
810, 811, 830, 831, 832, 833, 834

SEE SITE PLAN SHEET (S1) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 2 BR (DUPLEX)					AREA J TYPE V
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9299		25	23	07	SHT 9

MAY 1973

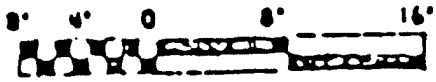
61



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type >0V

810, 811, 830, (831,) 832, 833, 844



GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 831

Building Type: 20-V

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: _____

Average No. of Laundry Loads/Week: 21

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 810

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ____ No ____

Tinted ✓

Reflective Coating ✓

Same as 8.10

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

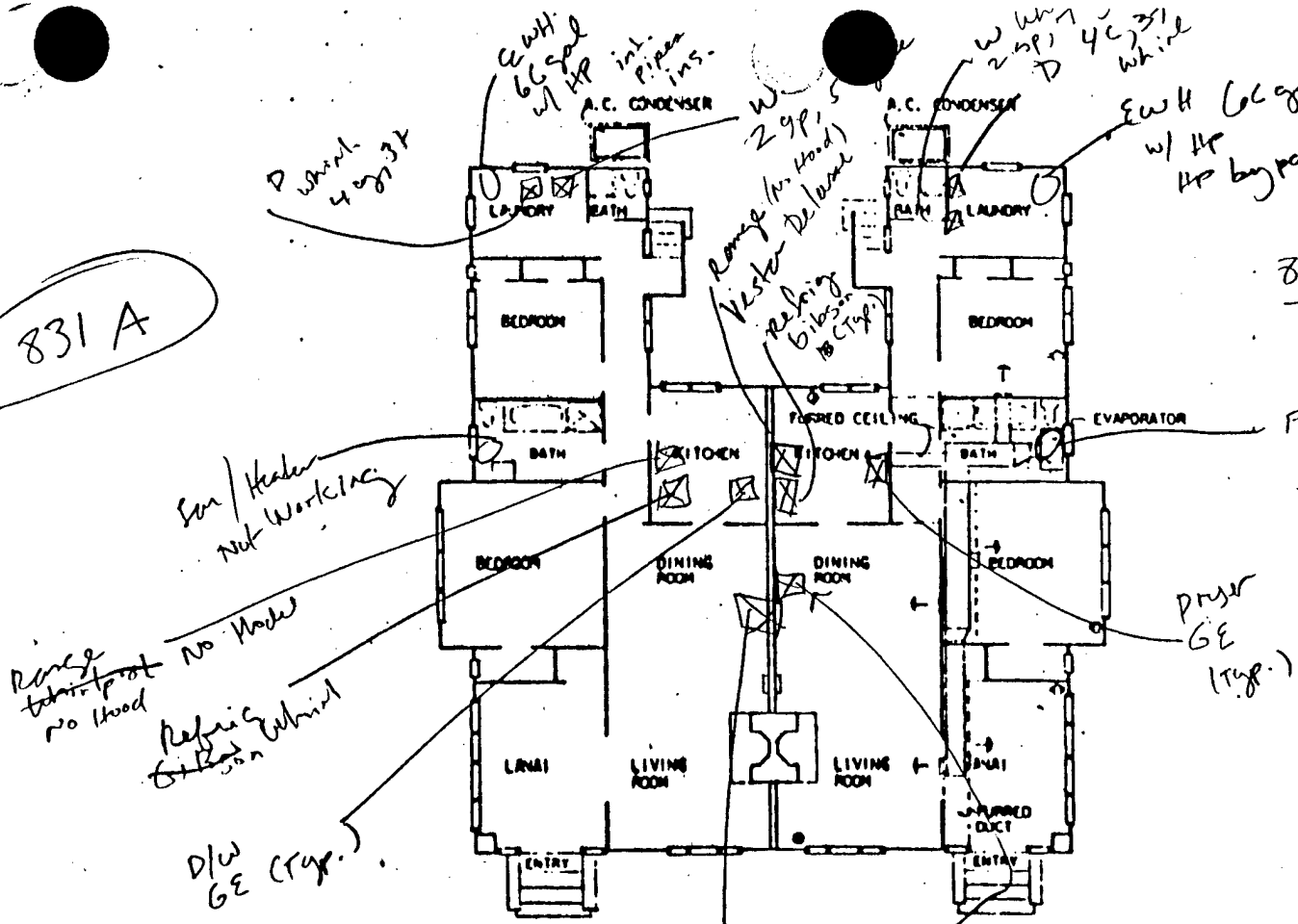
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub SK	3.5 l/10s	120 F	



Type 20-V

BUILDING NUMBERS

810, 811, 830, 831, 832, 833, 8[illegible]

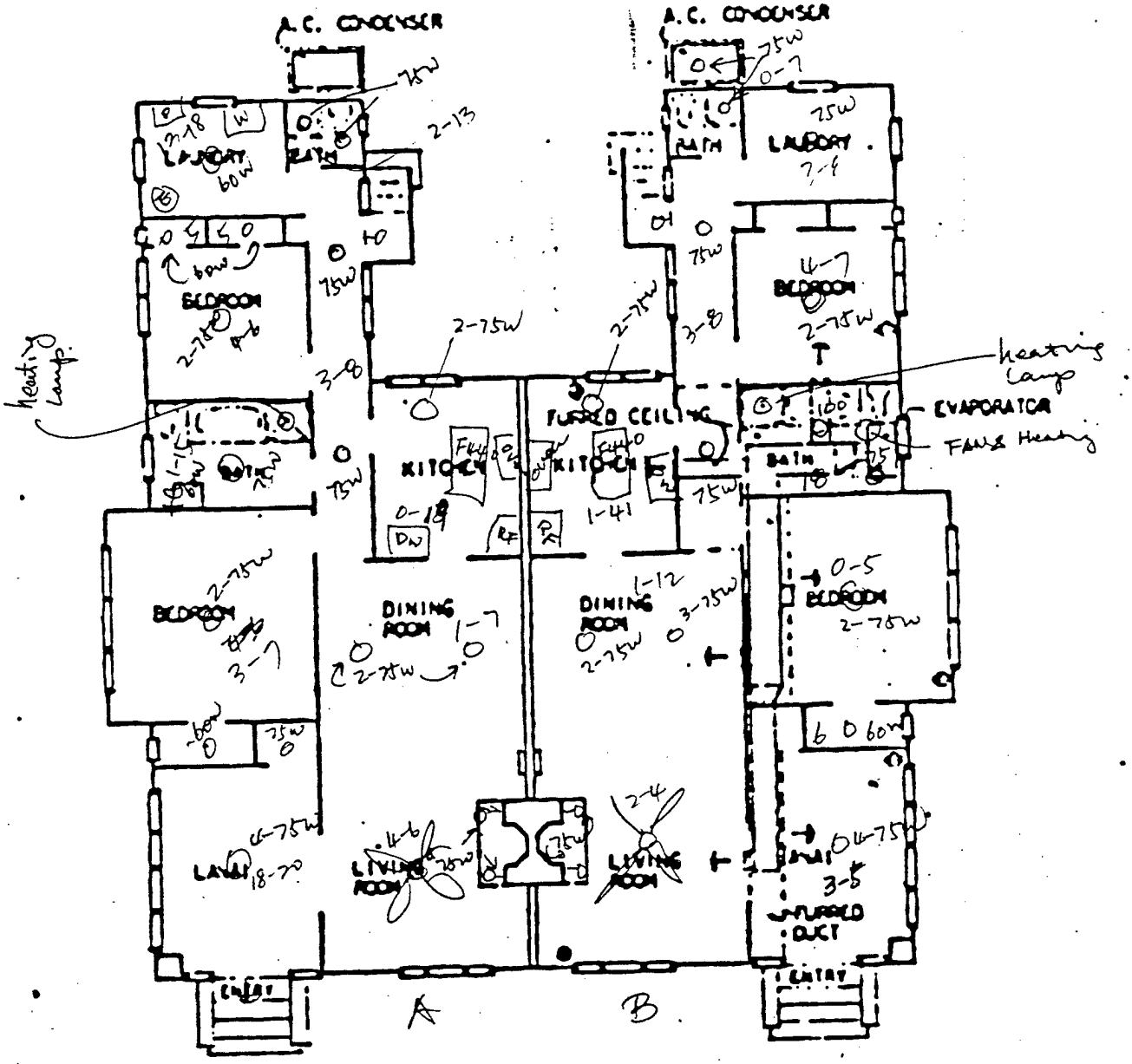
SEE SITE PLAN SHEET (S1) FOR LOCATION

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD					AREA J
FLOOR PLAN 2 BR (DUPLEX)					TYPE V
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9299		25	23	07	SHT 9

MAY 1973

(61)



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type >0V

810, 811, 830, (831), 832, 833, 844

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 833

Building Type: 20-V

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as 8/0

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

same as 810

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

__✓__ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

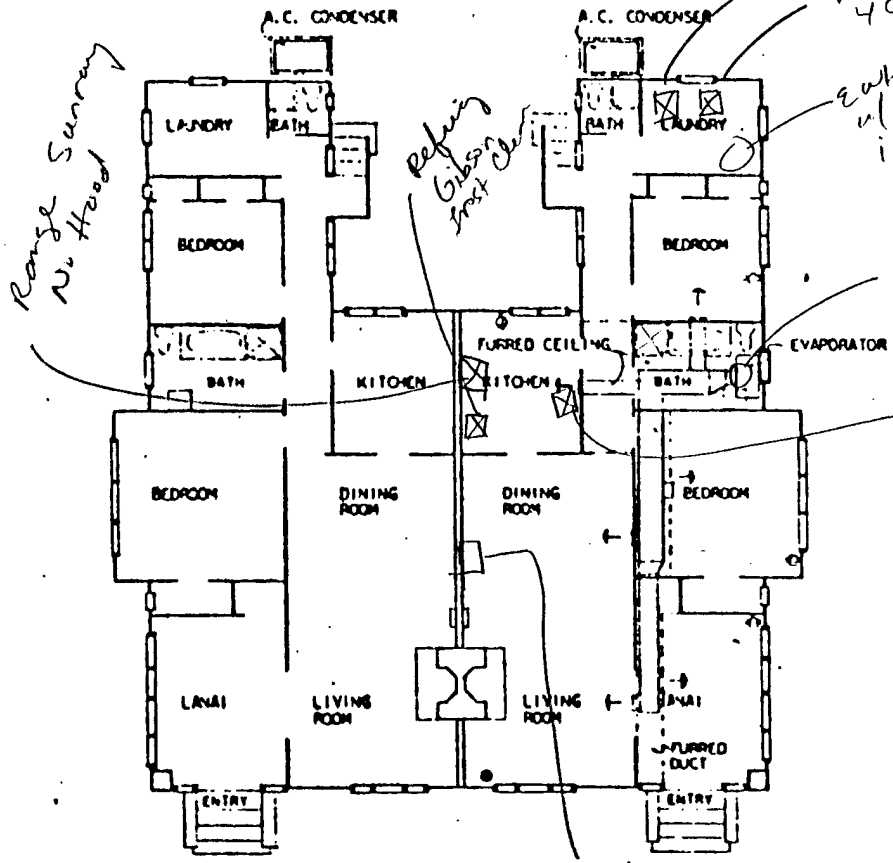
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Main Bathtub	5ℓ/10s	138F	
Shower	2/10s	138F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20-V

BUILDING NUMBERS
810, 811, 830, 831, 832, 833, 844
SEE SITE PLAN SHEET (S1) FOR LOCATION

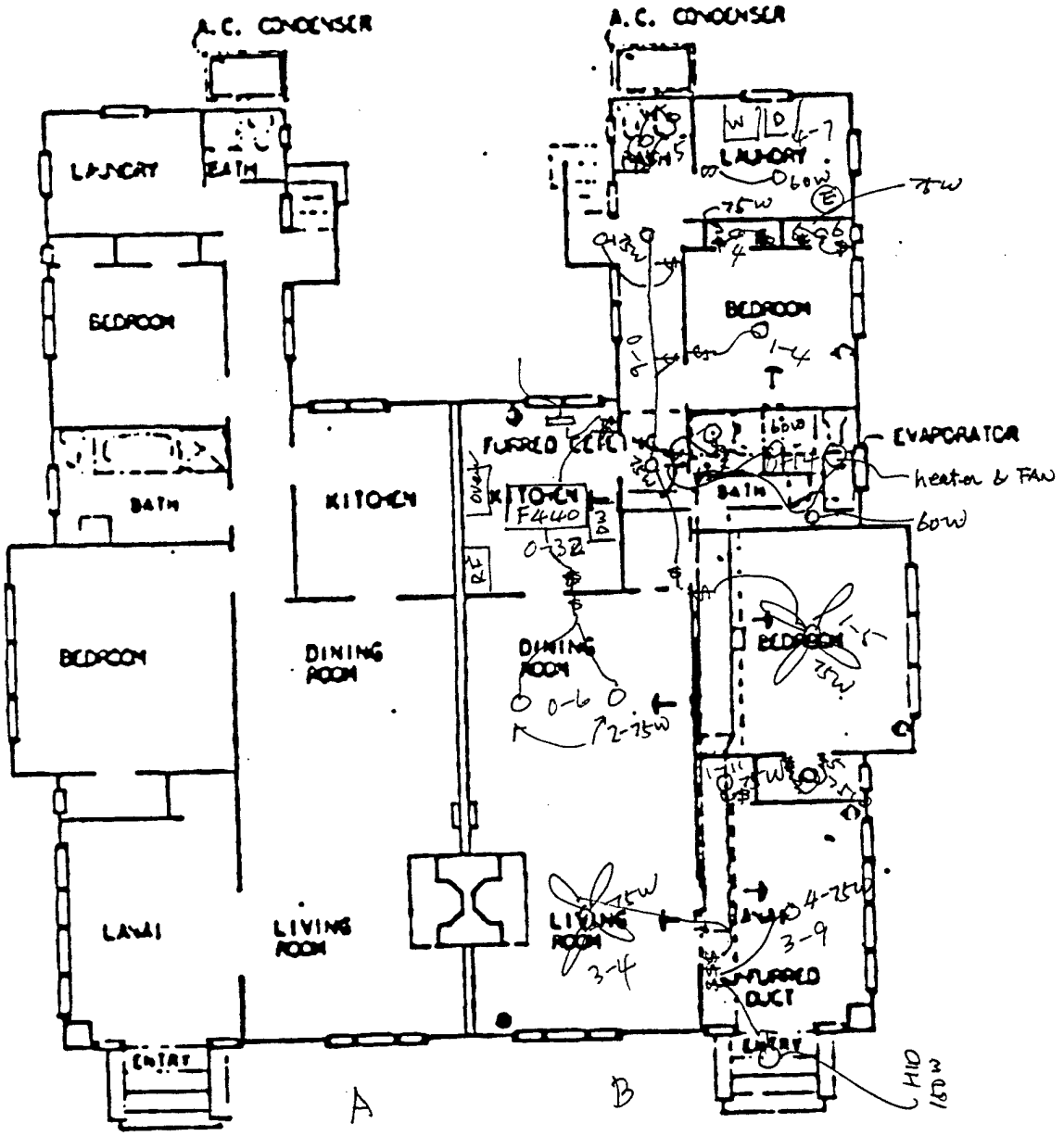
8333

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
OFFICERS' QUARTERS SCHOFIELD FLOOR PLAN 2 BR (DUPLEX)					AREA J TYPE 9
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9299		25	23	07	SHT 9

MAY 1973

61)



FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 20V

810, 811, 830, 831, 832, ~~833~~, 844

8" 4" 0 8" 16"
GRAPHIC SCALE 1/8" = 1'-0"

UNIT TYPE 32-I

Date: 1/8/90
Prepared By: [illegible]

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 52

Building Type: 32-1

Apartment: —

No. Bedrooms: 2

Area: A

Address:

Telephone No.:

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day:

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: No D/W

Remarks:

2.0 ARCHITECTURAL

Construction

Wall Conc. Color: D ____ M / L ____

Material ____ Thickness (In.) ____ R Value ____

Outside Film ____

Insulation ____

Conc. Wall

Inside Film ____

Total

U-Factor ____ Area

Roof (Incl. Clg.) Type: F ____ P ____ Color: D ____ M ____ L ____

Material ____ Thickness (In.) ____ R Value ____

Outside Film ____

Insulation ____

Conc. Tile

Wood Deck

Asphalt Shingles

Inside Film ____

Total

U-Factor ____ Area

Conc. foundation
No crawl space under house

Window	Yes	No
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 134 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

d. Is Piping System Insulated and Condition: No visible insulation
Insulation Thickness: _____

e. Is Hot Water Circulated? NO

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage Closet
b. Areas Served ALL
c. Manufacturer and Model Hoyt Energy Master Model 52 FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) Electric
e. Type Heaters & Quantities: ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 52 gal
2250 Watt
230V

Heat Pump - Feeders

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition Good Condition
j. Heater Temperature Setting
k. Average Water Maintained Temperature 134
l. Temperature Differential (j) - (k)
m. Is Hot Water Supply Adequate Y
n. Insulation Thickness None
o. Insulation Material
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl None
2) Galons HW/Wash
3) Booster Heater Mfg/Mdl
4) Heating Source
5) Capacity
6) Electrical Data

b. Clothes Washer

1) Mfg/Mdl Whirlpool 2-sp, 5 cycle
2) Setting: Hot ____ Warm ____ Cold ____
3) Gallons HW/Wash
4) Electrical Data

3.4 HOT WATER FIXTURES

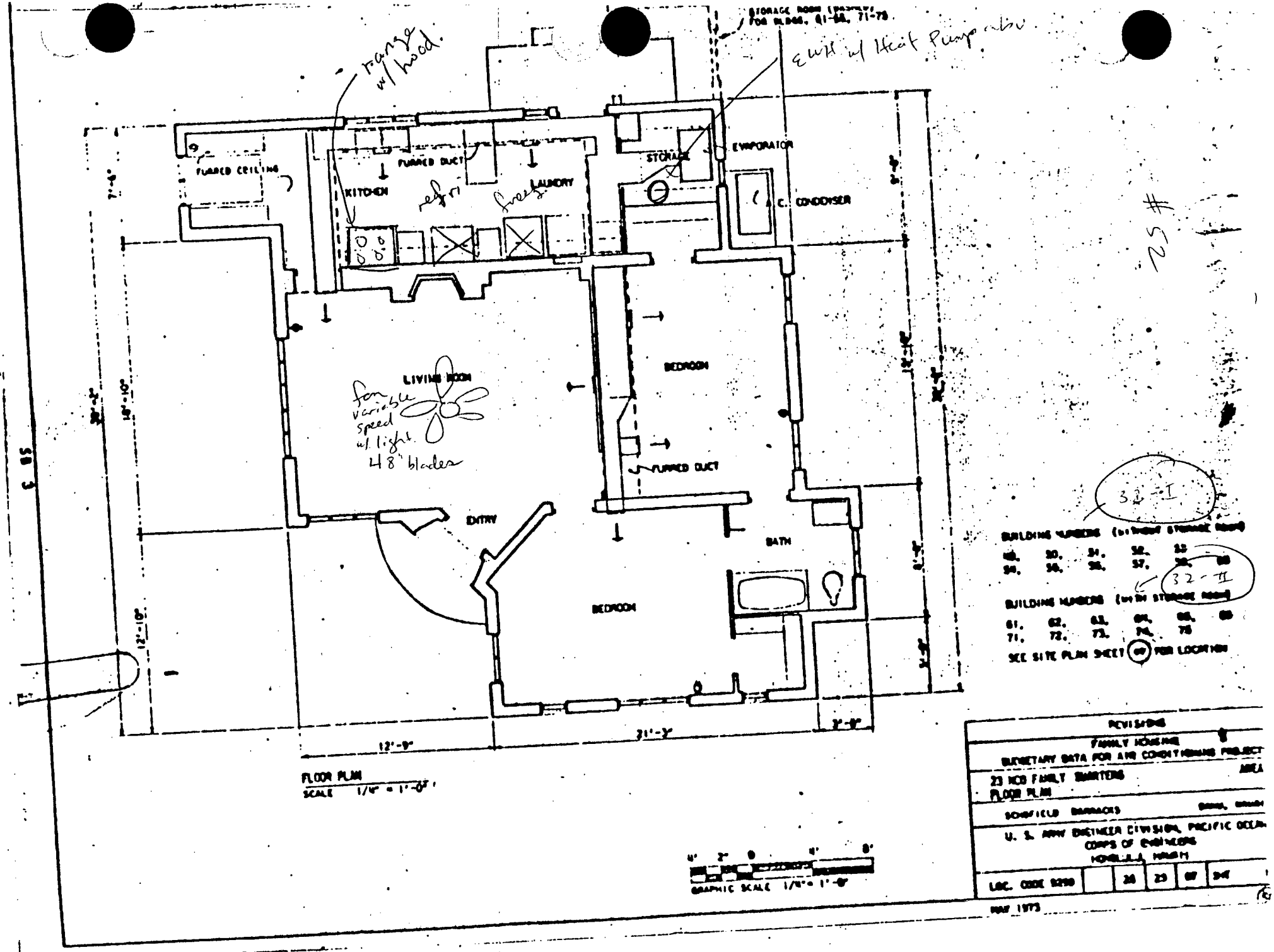
Fixture	Flow	Water Temp.	Remarks
Kit Sk	3l/20s	134	
Master Bath Lav.	1l/10s	134	

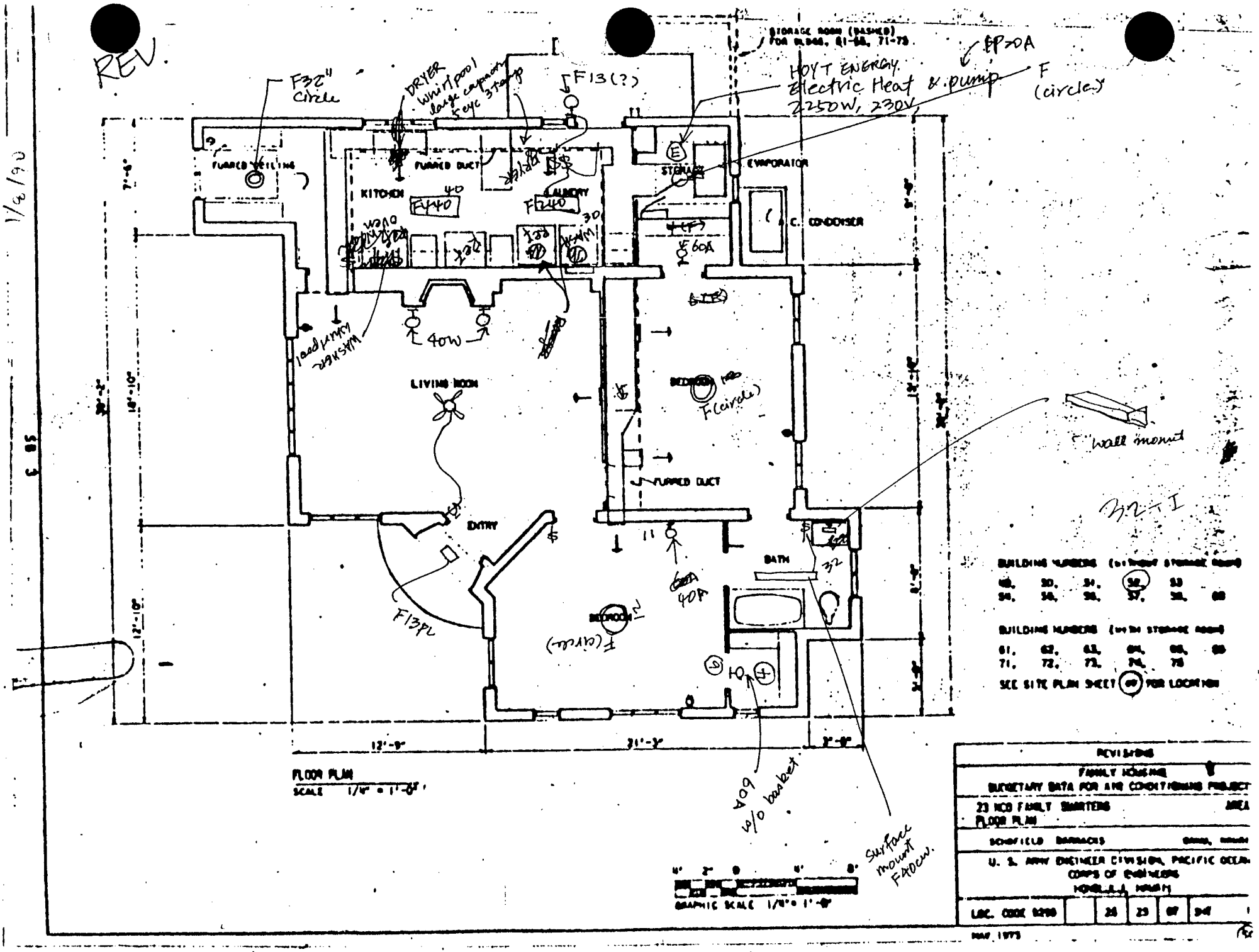
Fixture Type	Quan	Elec Load	Condition	Remarks

5.2 EQUIPMENT:

Type	Mfg/Model	Quan	Elec Load	Condition	Remarks
Refrig	Gibson Frost Clear			7	
Range	Broan Microtek			9	
Freezer (priv)	Admiral				
Hood	Broan Variable Speed				

6.0 MISC. NOTES:


range w/hood
ewh w/ heat pump
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
A.C. CONDENSER
LIVING ROOM
fan variable speed w/ light 48" blades
BEDROOM
FURRED DUCT
ENTRY
BATH
BEDROOM
12'-9"
31'-3"
3'-0"
12'-0"
18'-10"
32'-2"
#52
32-I
32-II
BUILDING NUMBERS (within storage area)
SEE SITE PLAN SHEET 69 FOR LOCATION
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SUMMARY DATA FOR AIR CONDITIONING PROJECT
23 MCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
MAY 1973


REV
1/8/90
F32" circle
DRYER whirlpool large capacity 5cyc 3temp
F13(?)
HOYT ENERGY Electric Heat & pump 2250W, 230V
EP>0A
F (circle)
STORAGE ROOM (DASHED) FOR BLDGS. 61-68, 71-78
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
C. CONDENSER
60A
40
30
40w
LIVING ROOM
BEDROOM
F(circle)
FURRED DUCT
ENTRY
F13PL
BATH
32
40P
BEDROOM
T(circle)
40A w/o basket
Surface mount F40cw.
F wall mount
12'-9"
31'-3"
3'-0"
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (without STORAGE ROOM)
60, 30, 31, 36, 33
34, 35, 36, 37, 38, 39
BUILDING NUMBERS (with STORAGE ROOM)
61, 62, 63, 64, 66, 69
71, 72, 73, 74, 76
SEE SITE PLAN SHEET 69 FOR LOCATION
REVISIONS
FAMILY HOUSING
SUBSIDIARY DATA FOR AIR CONDITIONING PROJECT
23 MCO FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
26
23
07
341
MAY 1973

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 53

Building Type: 32-I

Apartment: 2

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: 6 AM - 6 PM ~~6 AM~~ unoccup.

No. of Occupants: _____

Average No. of Showers/Day: 2 shwr./person

Average No. of Laundry Loads/Week: 4-5 load

Average No. of Times Dishwasher Used/Day: None

Remarks: _____

2.0 ARCHITECTURAL

Same as K2

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓ light	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

___✓___ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 122 kit. °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: None
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

1.2 l in 10 S. kit.

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl None
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

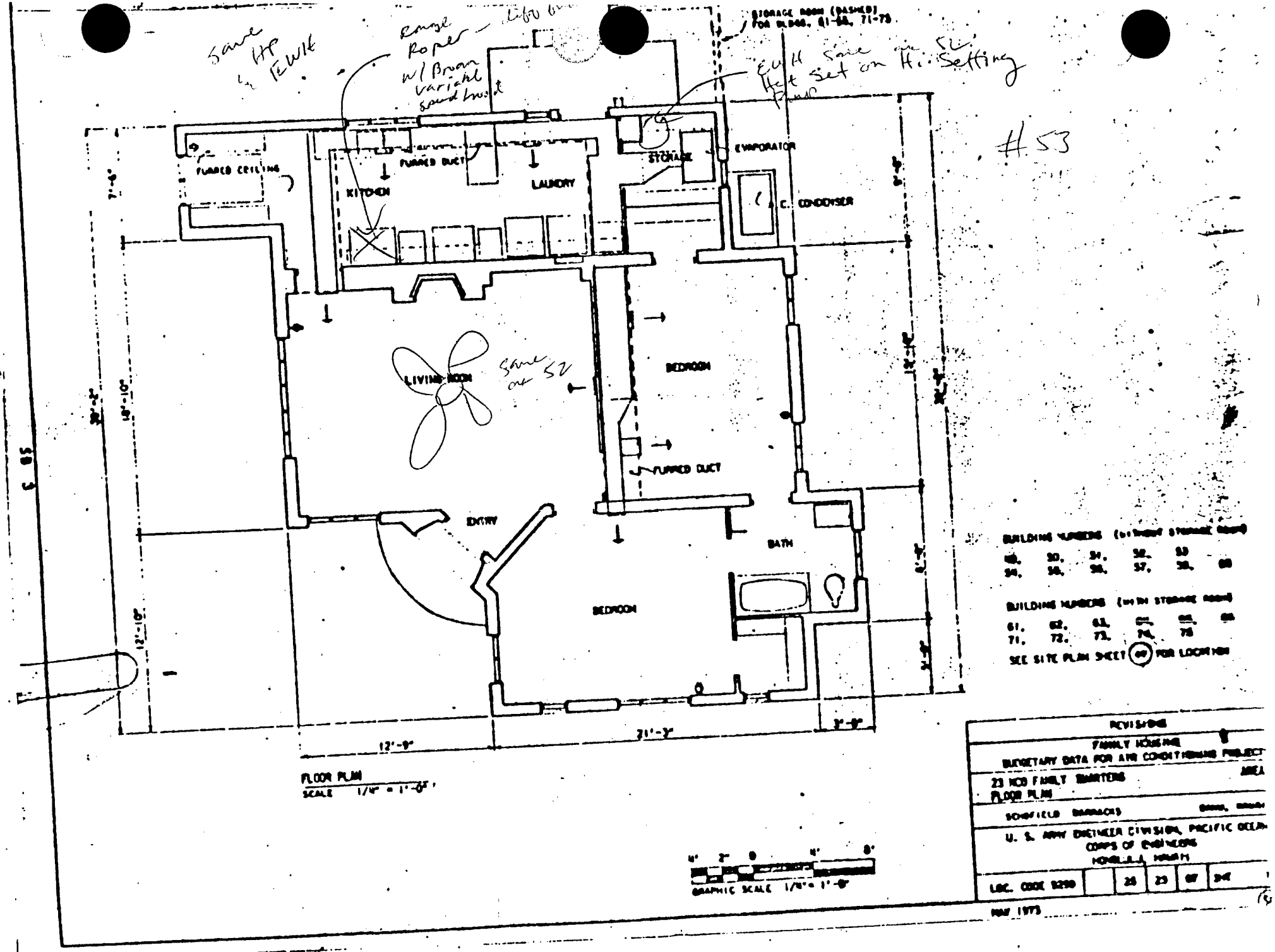
Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.2l/10s	122	

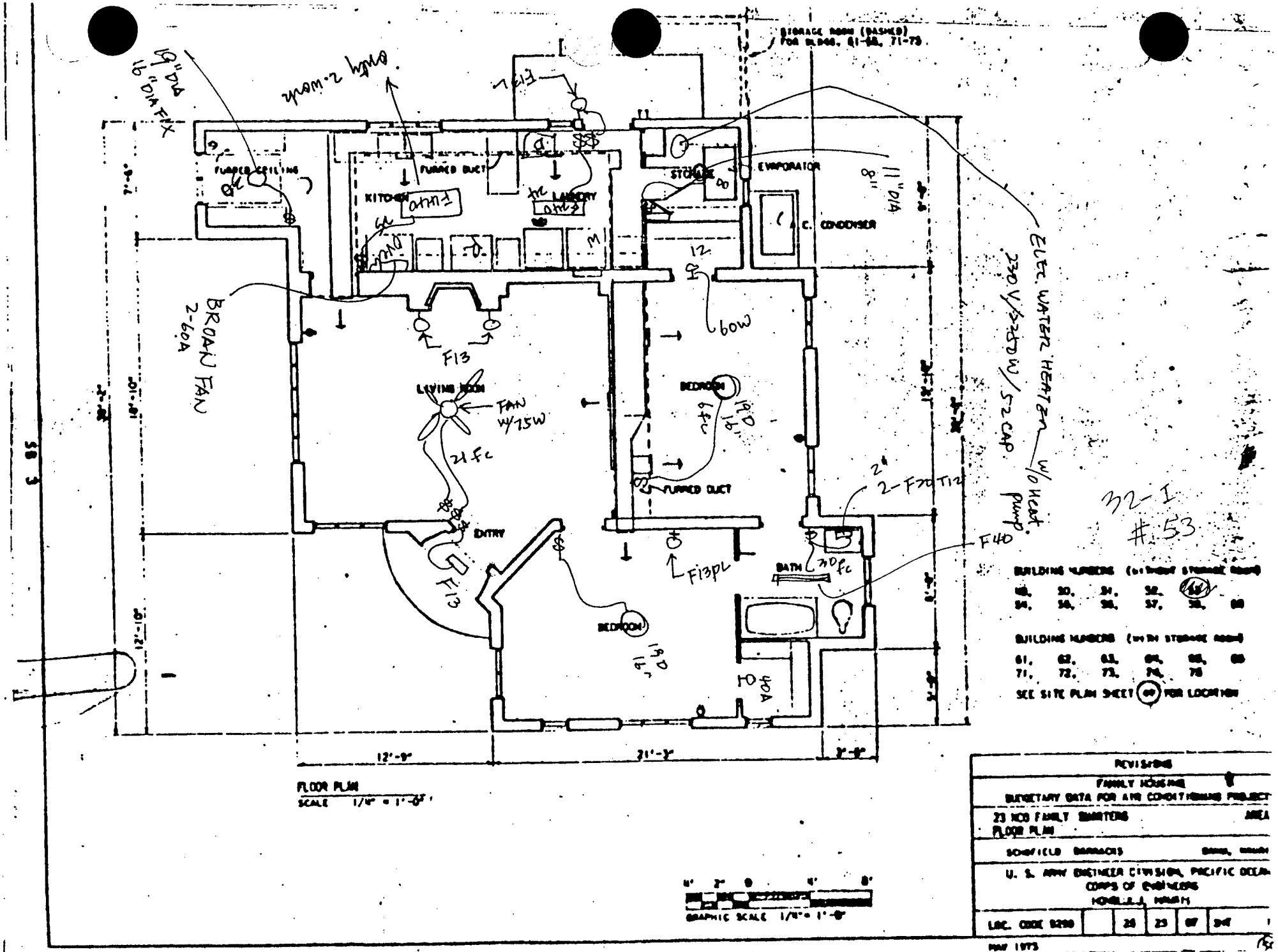
Fixture Type	Quan	Elec Load	Condition	Remarks

5.2 EQUIPMENT:

Type	Mfg/Model	Quan	Elec Load	Condition	Remarks
Range	Roper				
Hood	Broan variable Sp				
W & D	Same as S2				

6.0 MISC. NOTES:


Save HP & EWK
Range Roper — Lbo Brn w/ Brown variant sound hood
EWH Save in SL Heat Set on Hi Setting Pump
#53
STORAGE ROOM (BASHED) FOR BLDGS. 61-68, 71-78
FURRED CEILING
KITCHEN
FURRED DUCT
LAUNDRY
STORAGE
EVAPORATOR
C. CONDENSER
LIVING ROOM
Save on SL
BEDROOM
FURRED DUCT
ENTRY
BATH
BEDROOM
12'-9"
31'-3"
3'-9"
12'-10"
18'-10"
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
50, 54, 57,
BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 71, 72, 73, 78
SEE SITE PLAN SHEET 60 FOR LOCATION
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 MCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
LOC. CODE 5290
25
23
MAY 1975


STORAGE ROOM (DASHED) FOR BLDGS. 61-68, 71-78
19" DIA 16" DIA FIX
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
11" DIA
C. CONDENSER
ELEC. WATER HEATER w/o Heat pump.
230 V/3750 W/52 CAP
BROAN FAN 2-60A
F13
LIVING ROOM
FAN w/75W
21 fc
BEDROOM
19D 16'
6 fc
FURRED DUCT
2" 2-F20T12
ENTRY
F13PL
F40
BATH
30 fc
BEDROOM
19D 16'
40A
12'-9"
31'-3"
3'-9"
SB 3
32-I #53
BUILDING NUMBERS (without STORAGE ROOM)
BUILDING NUMBERS (with STORAGE ROOM)
61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75, 76
SEE SITE PLAN SHEET 69 FOR LOCATION
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 NCO FAMILY QUARTERS
FLOOR PLAN
AREA
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
25
23
67
347
MAY 1975

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 54

Building Type: 32-1

Apartment: _____

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: ~2 / person

Average No. of Laundry Loads/Week: Varies ~3

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL

Same as 52

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 132 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location storage — same as 5a
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 52 gal

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher Priv. Not used

1) Mfg/Mdl GE
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer Priv.

1) Mfg/Mdl GE Heavy Duty Extra Large Capacity
2) Setting: Hot ____ Warm ____ Cold ✓
3) Gallons HW/Wash _____
4) Electrical Data _____

6 cycle w/ mini-Wash

3.4 HOT WATER FIXTURES

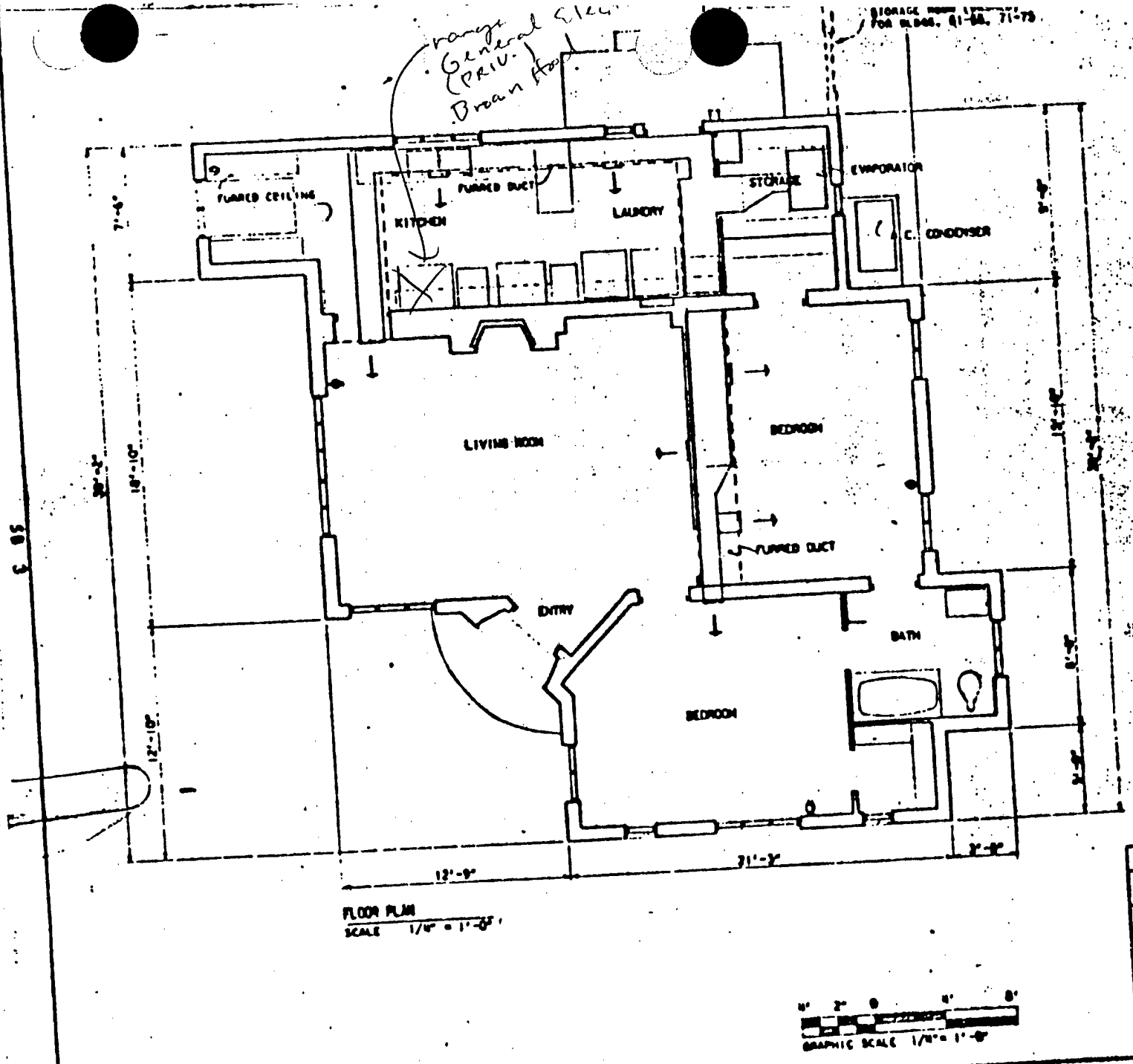
Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5ℓ/105	132	

Fixture Type	Quan	Elec Load	Condition	Remarks

5.2 EQUIPMENT:

Type	Mfg/Model	Quan	Elec Load	Condition	Remarks
DRYER	GE		5 cycle w/ Auto Dry Control		
Broan Hood					

6.0 MISC. NOTES:



#58

Rest same

BUILDING NUMBERS (WITHOUT STORAGE ROOM)

60, 30, 54, 56, 55
58, 59, 56, 57, 52, 68

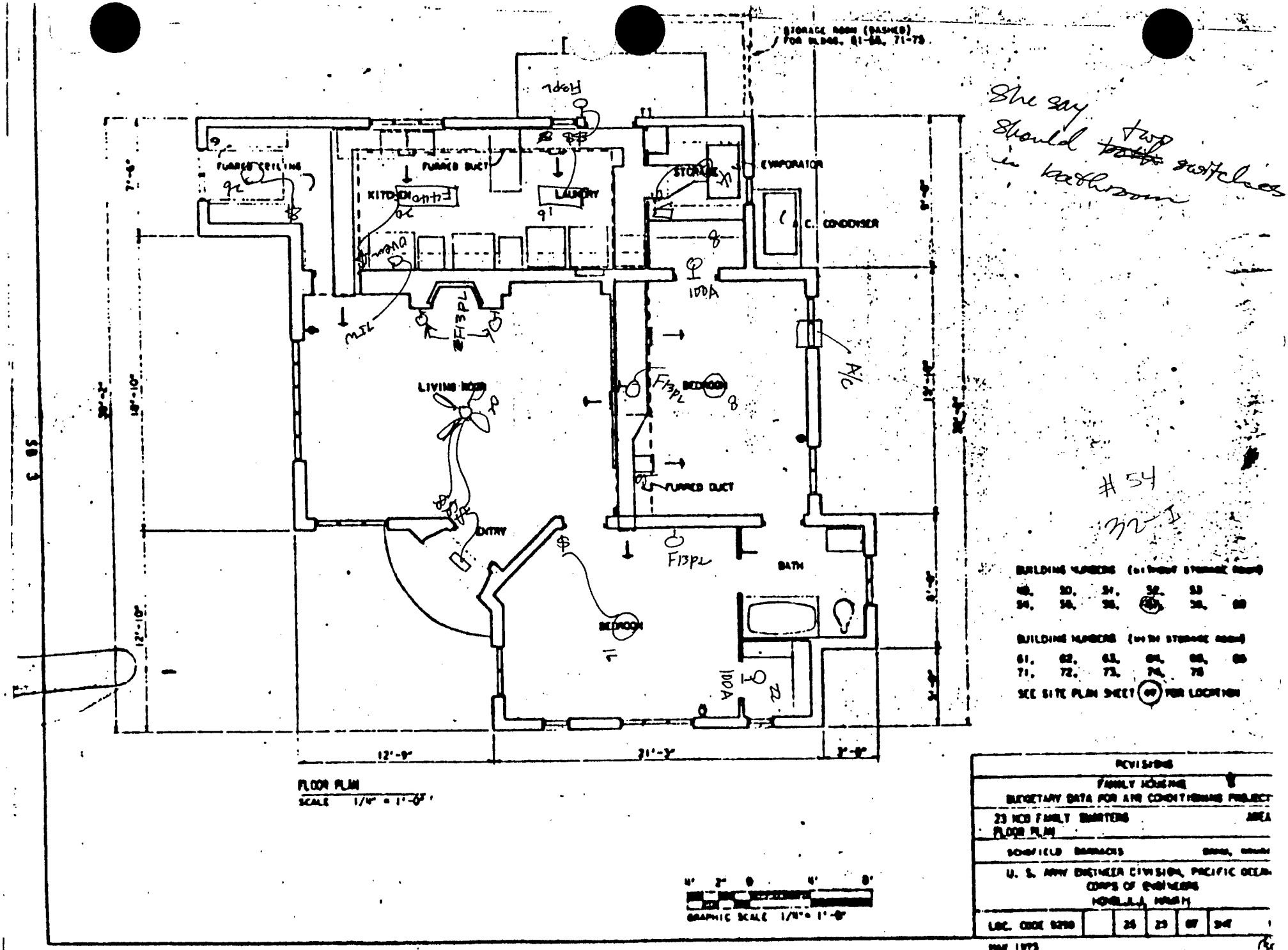
BUILDING NUMBERS (WITH STORAGE ROOM)

61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75

SEE SITE PLAN SHEET (60) FOR LOCATION

REVISIONS					
FAMILY HOUSING					
SUMMARY DATA FOR AIR CONDITIONING PROJECT					
23 HCD FAMILY QUARTERS					AREA
FLOOR PLAN					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 0250		26	23	07	345

MAY 1973



She say should two baffles in bathroom

#54

BUILDING NUMBERS (without storage room)

60, 30, 31, 32, 33
34, 35, 36, 37, 38, 39

BUILDING NUMBERS (with storage room)

61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75, 76

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS

FAMILY HOUSING

BUDGETARY DATA FOR AIR CONDITIONING PROJECT

23 RCD FAMILY QUARTERS — AREA

FLOOR PLAN

SCHOFIELD BARRACKS — OAHU, HAWAII

U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 9290		25	23	07	347

MAY 1975

Plumbing is new in all these types 1 year ago

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 55

Building Type: ~~A~~ 32-1

Apartment: _____

No. Bedrooms: 2

Area: ~~A~~

Address: _____

Telephone No.: _____

Occupied Hours: gone most of day till say 5 pm

No. of Occupants: 3

Average No. of Showers/Day: twice a day per person 6 total

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: None

Remarks: _____

2.0 ARCHITECTURAL

Some at 52

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window	Yes	No
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 132 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: None
Insulation Thickness: _____

e. Is Hot Water Circulated? NO

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

Same as 12

a. Location Storage
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

4 Rel in 105 Kit.

g. Heating Capacity same as S
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher none

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer same as 52

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	4l/10s	132	
Shwr	1.5l/10s	132	

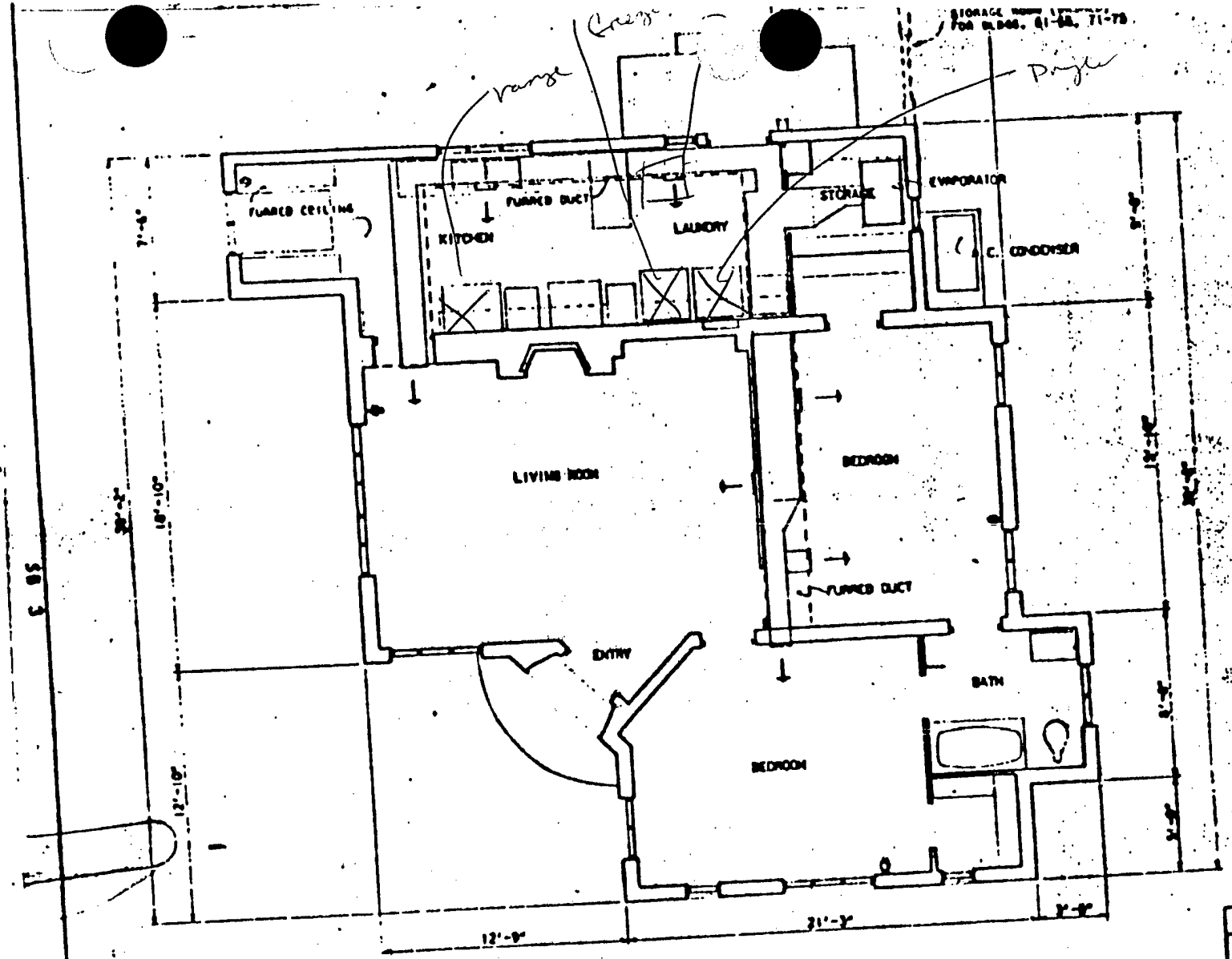
Fixture Type	Quan	Elec Load	Condition	Remarks

5.2 EQUIPMENT:

Type	Mfg/Model	Quan	Elec Load	Condition	Remarks
Refrig	Admiral				
Stove	Sunray w/ Broan hood				

6.0 MISC. NOTES:

Ref Freezer (Private) Whirlpool 4'x 2'x 4' deep.



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

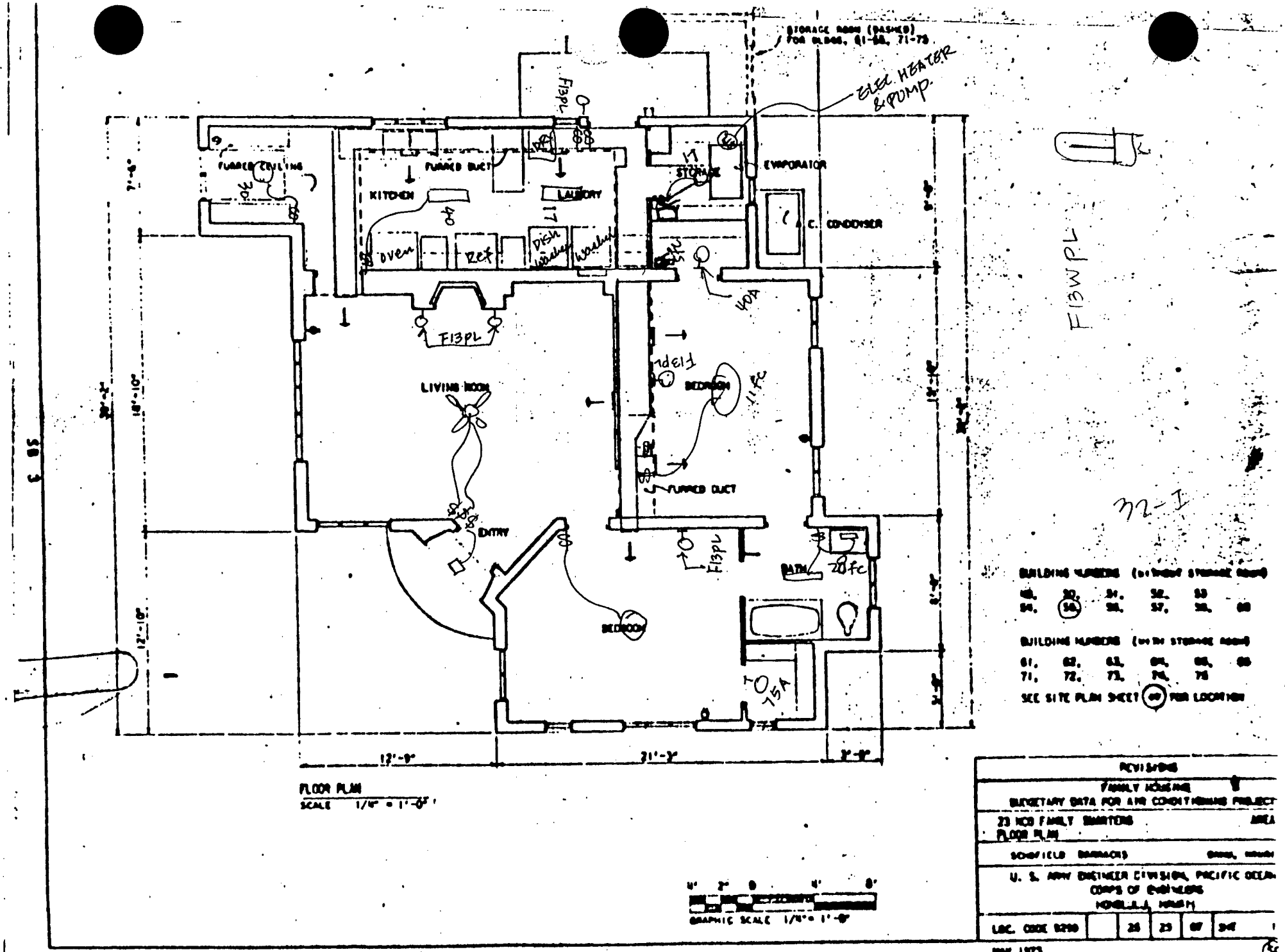
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
48, 50, 54, 56, 58
59, 60, 66, 67, 68, 69

BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 64, 65, 69
71, 72, 73, 74, 75

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS					
FAMILY HOUSING					
SUMMARY DATA FOR AIR CONDITIONING PROJECT					
23 RCB FAMILY QUARTERS					AREA
FLOOR PLAN					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9290		25	23	07	347

MAY 1975


STORAGE ROOM (PAINTED) FOR BLDGS. 61-68, 71-78
ELEC HEATER & PUMP
F13PL
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
C. CONDENSER
OVEN
REF
DISH WASHER
WASHER
HOA
F13PL
LIVING ROOM
BEDROOM
11fc
FURRED DUCT
ENTRY
F13PL
BATH
20fc
BEDROOM
75A
12'-9"
21'-3"
3'-0"
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/4"= 1'-0"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
BUILDING NUMBERS (WITH STORAGE ROOM)
SEE SITE PLAN SHEET (00) FOR LOCATION
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 MCB FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
MAY 1975

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 56

Building Type: 32-I

Apartment: —

No. Bedrooms: 2

Area: A

Address:

Telephone No.:

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: 1 day/person (2 total)

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: —

Remarks:

2.0 ARCHITECTURAL Same as 52

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 117 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

d. Is Piping System Insulated and Condition: None
Insulation Thickness: —

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served
c. Manufacturer and Model
d. Energy (Oil, Gas, Electric, Coal, Etc.)
e. Type Heaters & Quantities:
1) Storage
2) Instantaneous
3) Semi-Instantaneous
f. Heater Size and Storage Capacity

same as 5V

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher none

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer same as (2)

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

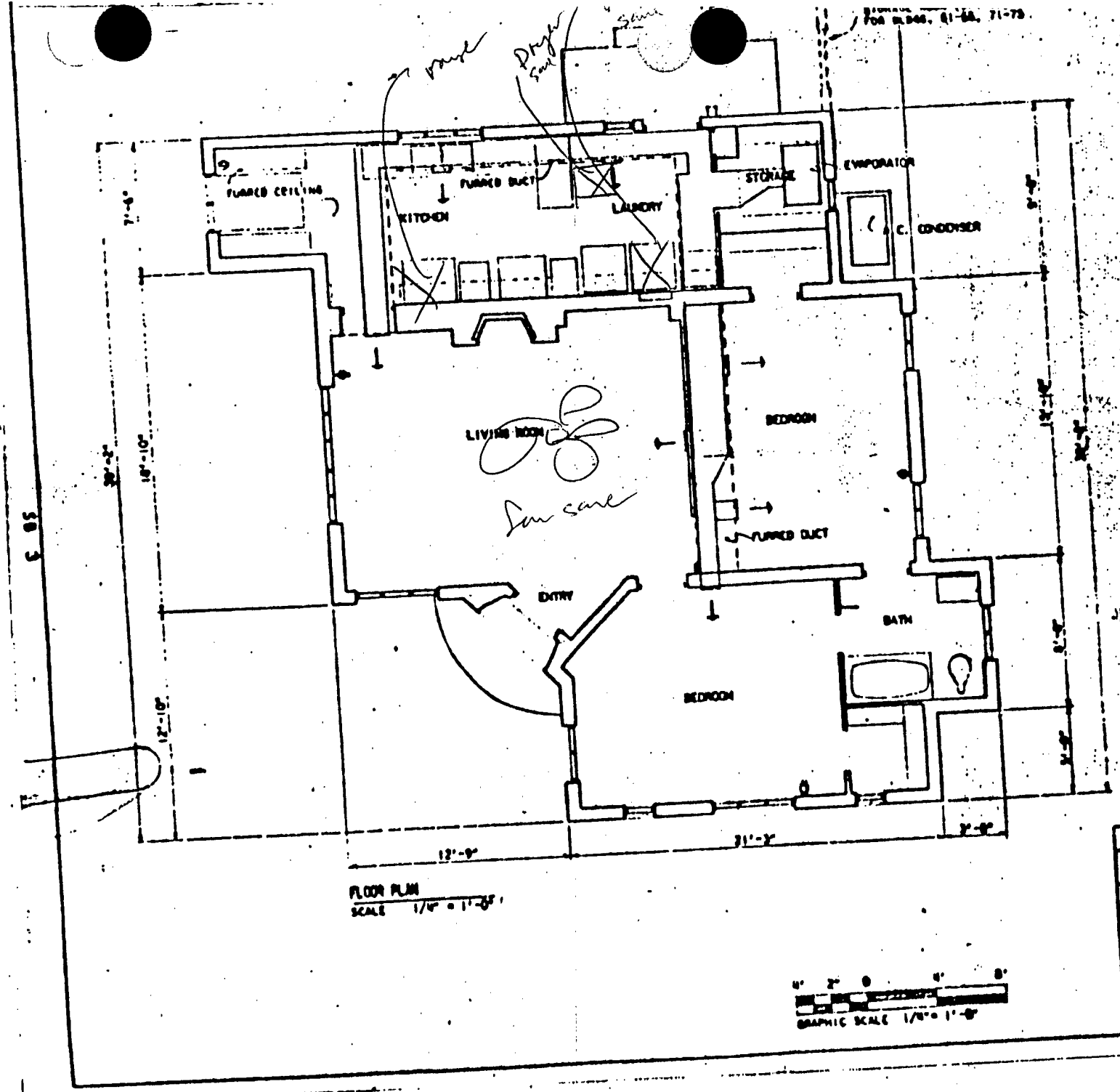
Fixture	Flow	Water Temp.	Remarks
Kit sk.	2.2/105	117	

Fixture Type	Quan	Elec Load	Condition	Remarks

5.2 EQUIPMENT:

Type	Mfg/Model	Quan	Elec Load	Condition	Remarks
Refrig.	Admiral				
Stove	Sunray w/ Mercury Nutone Hood				
A/C	Westinghouse Mobilaire 5000		2'x18"		

6.0 MISC. NOTES:



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

#56

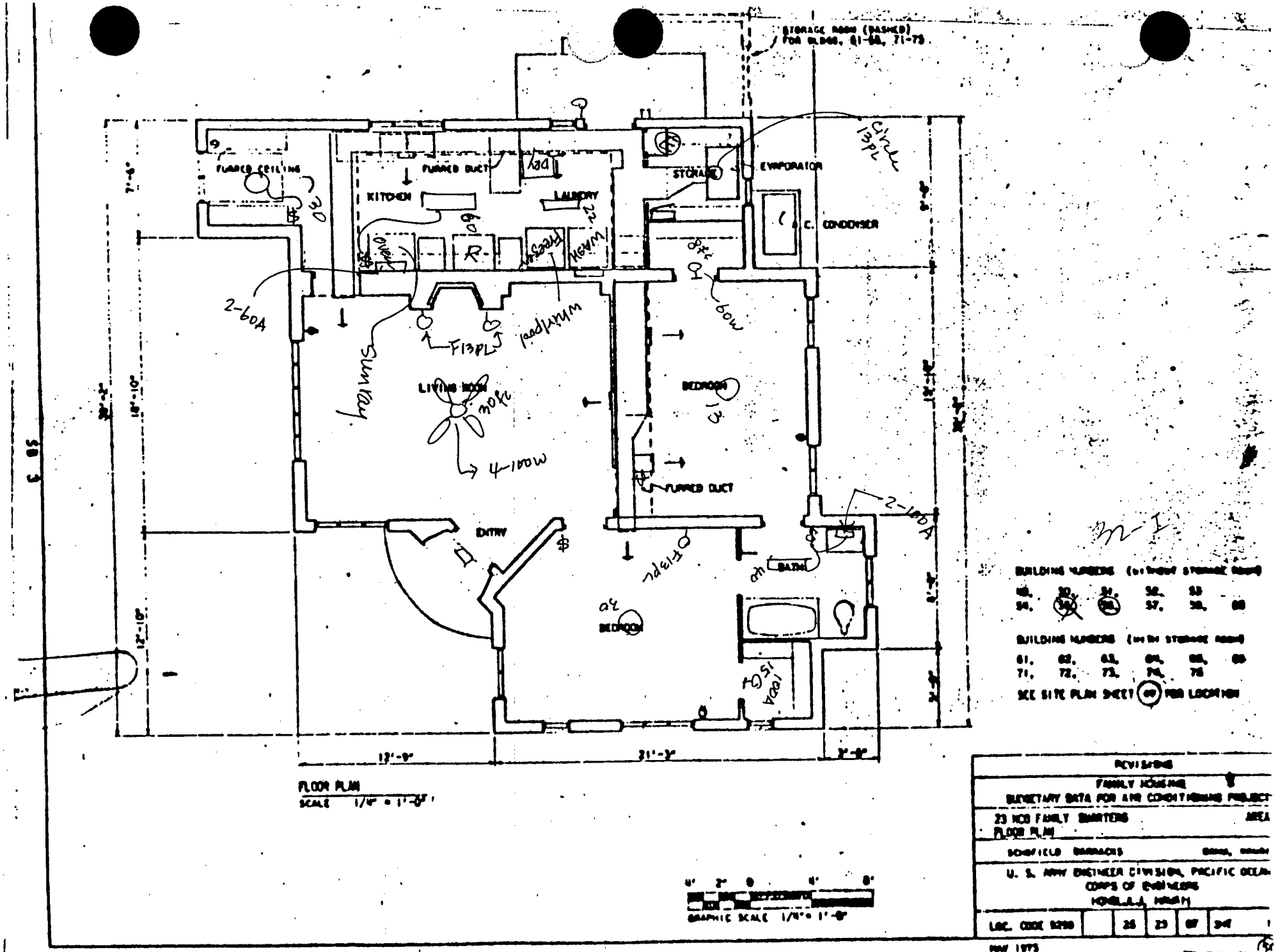
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
50, 50, 54, 56, 53
56, 58, 58, 57, 58, 60

BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75

SEE SITE PLAN SHEET 60 FOR LOCATION

GRAPHIC SCALE 1/8"=1'-0"

REVISIONS	
FAMILY HOUSING	
BUDGETARY DATA FOR AIR CONDITIONING PROJECT	
23 NCO FAMILY QUARTERS	AREA
FLOOR PLAN	
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 5250	26 / 23 / 07 / 342
MAY 1973	


STORAGE ROOM (PAINTED) FOR BLDGS. 61-68, 71-78
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
C. CONDITIONER
LIVING ROOM
BEDROOM
BEDROOM
FURRED DUCT
ENTRY
BATH
2-60A
4-100W
2-100A
15QA
30
60
60W
13PL
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
BUILDING NUMBERS (WITH STORAGE ROOM)
SEE SITE PLAN SHEET 69 FOR LOCATION
REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECT
23 MCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
MAY 1975

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 58

Building Type: 32-I

Apartment: —

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: work away

No. of Occupants: 2

Average No. of Showers/Day: 4 ~~per person~~

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: —

Remarks: _____

2.0 ARCHITECTURAL Same as 52

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window	Yes	No
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

not taken wash just done no HW

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: None
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

Same as 52

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
   1) Storage _____
   2) Instantaneous _____
   3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher None

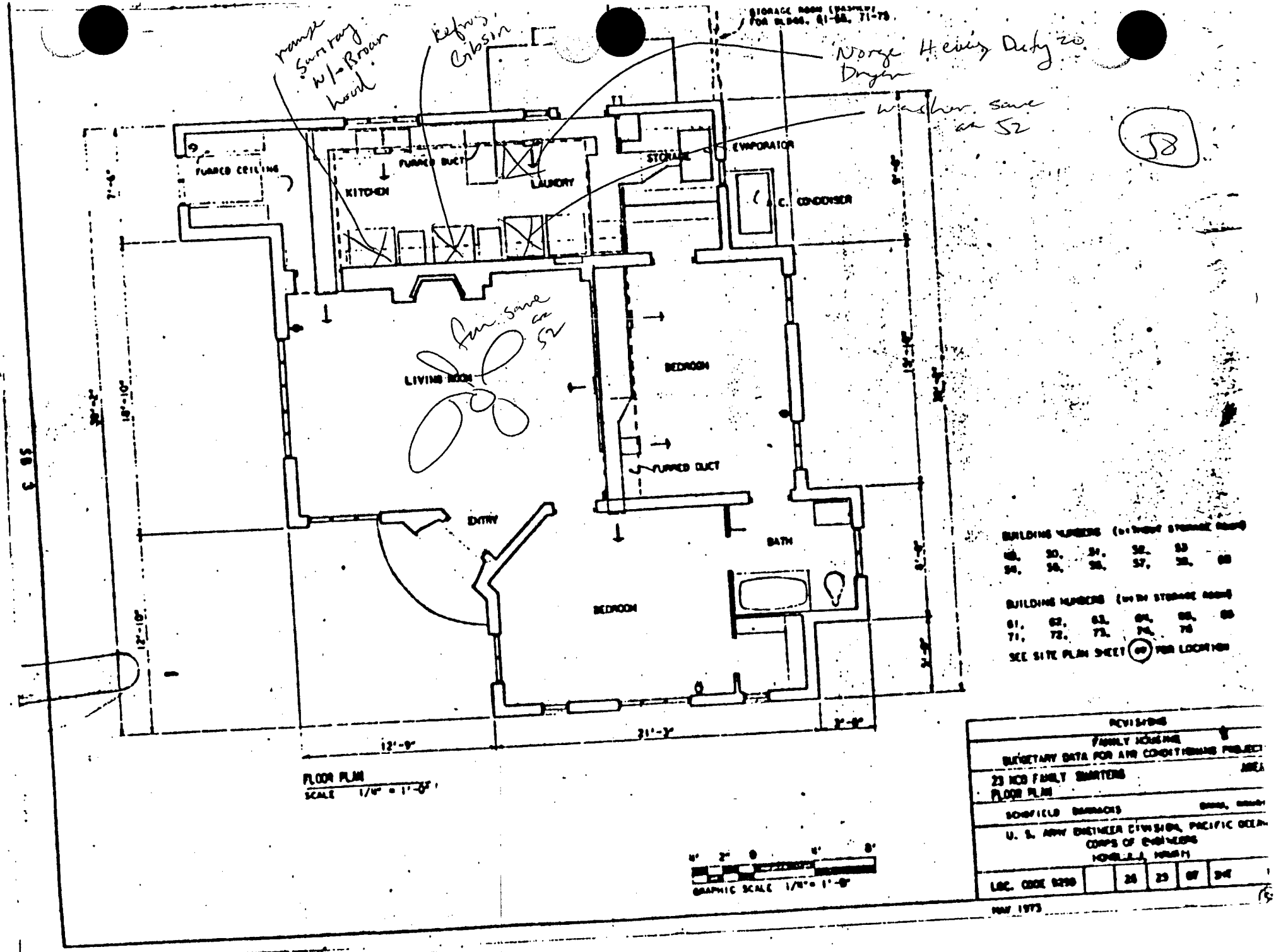
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

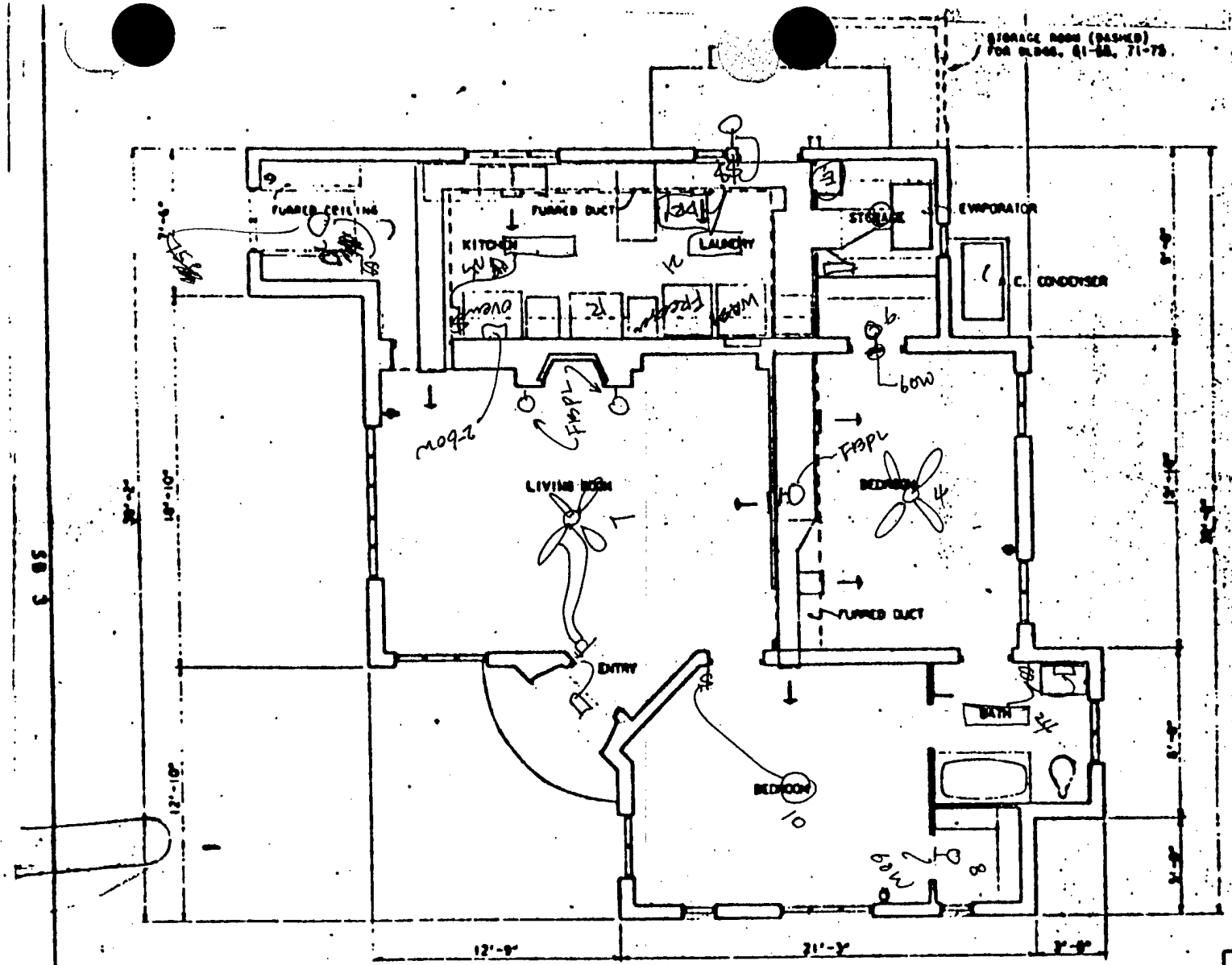
b. Clothes Washer Same as SR

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2.2/10s	—	


range Sunray w/ Brown hood
Refrig Gibson
Norge Heavy Duty 20
washer same as 52
58
STORAGE
EVAPORATOR
FURRED CEILING
KITCHEN
FURRED DUCT
LAUNDRY
A.C. CONDENSER
LIVING ROOM
same as 52
BEDROOM
FURRED DUCT
ENTRY
BATH
BEDROOM
12'-9"
31'-3"
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (without STORAGE ROOM)
BUILDING NUMBERS (with STORAGE ROOM)
SEE SITE PLAN SHEET 00 FOR LOCATION
REVISIONS
FAMILY HOUSING
PRELIMINARY DATA FOR AIR CONDITIONING PROJECT
23 NCO FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9250
MAY 1973



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

BUILDING NUMBERS (WITHOUT STORAGE ROOM)
58, 59, 60, 62, 63
64, 66, 68, 67, (69), 69

BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75

SEE SITE PLAN SHEET (69) FOR LOCATION

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING	
PRELIMINARY DATA FOR AIR CONDITIONING PROJECT	
23 RCB FAMILY QUARTERS	AREA
FLOOR PLAN	
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8200	26 23 07 347

MAY 1973

UNIT TYPE 32-II

Date: 1/8/90
Prepared By: CK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 61

Building Type: 32-TL

Apartment: —

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: ~~All day~~ from 2:30 pm on

No. of Occupants: 3

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 6a

Average No. of Times Dishwasher Used/Day: —

Remarks: _____

Same as type 32-I only diff. is this unit has fenced in exterior storage area

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

__✓__ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 122 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: None visible
Insulation Thickness: _____

e. Is Hot Water Circulated? None

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

Some as 32-I

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
   1) Storage _____
   2) Instantaneous _____
   3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

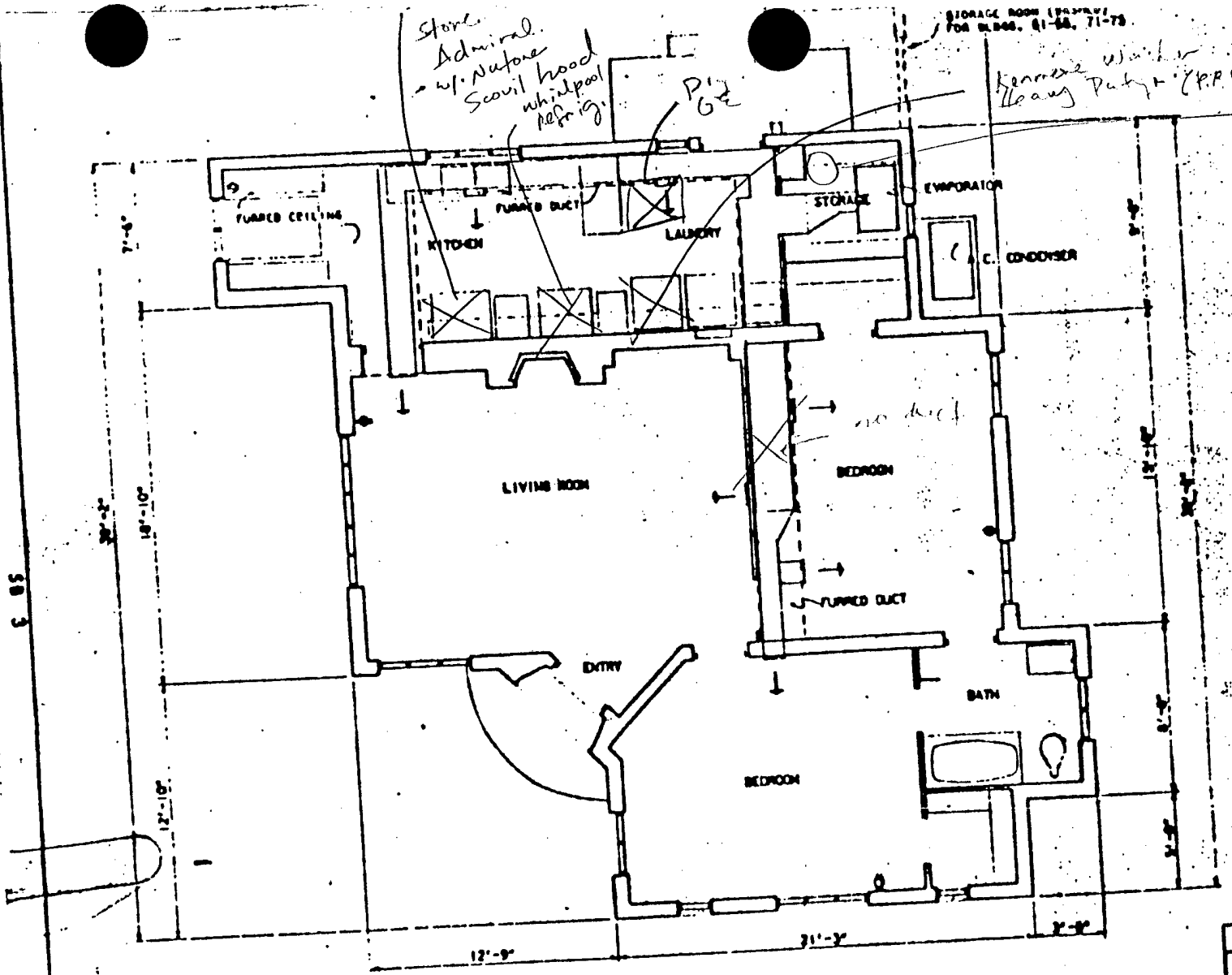
1) Mfg/Mdl none
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Washer Sink	4l/105	122°	



BUILDING NUMBERS (without STORAGE room)

60, 50, 54, 56, 59
54, 56, 58, 57, 58, 68

BUILDING NUMBERS (with STORAGE room)

61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS

FAMILY HOUSING
PRELIMINARY DATA FOR AIR CONDITIONING PROJECT

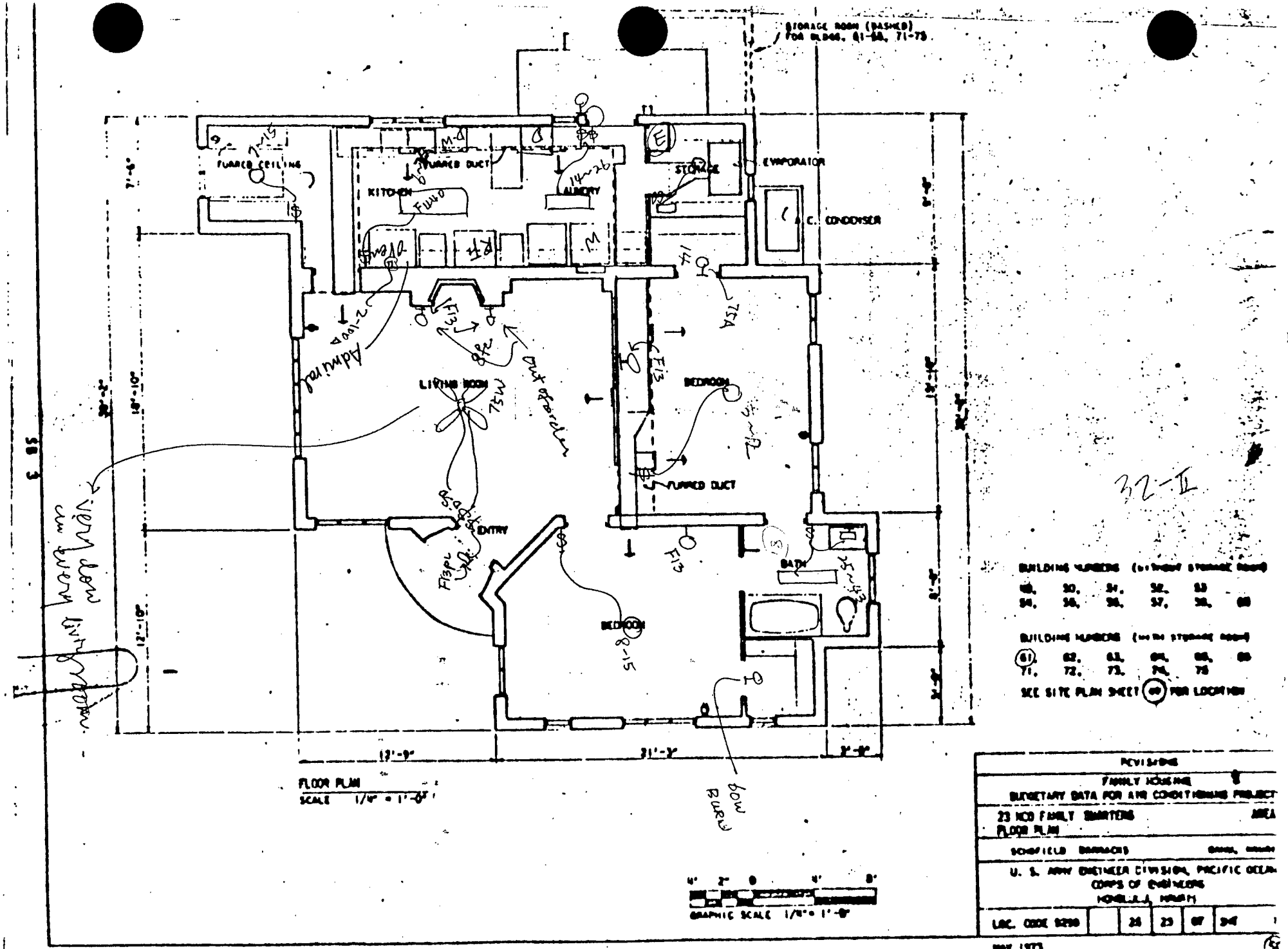
23 NCO FAMILY QUARTERS — AREA
FLOOR PLAN

SCHOFIELD BARRACKS — OAHU, HAWAII

U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 5290		25	23	07	345

MAY 1973


STORAGE ROOM (DASHED) FOR BLDGS. 61-68, 71-75
FURRED CEILING
KITCHEN
FURRED DUCT
ALMORY
STORAGE
EVAPORATOR
A.C. CONDENSER
LIVING ROOM
Admiral
out door
BEDROOM
FURRED DUCT
ENTRY
BATH
BEDROOM
view
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
BUILDING NUMBERS (WITH STORAGE ROOM)
SEE SITE PLAN SHEET 60 FOR LOCATION
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 HCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
MAY 1973

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 64

Building Type: 32-II

Apartment: _____

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: ←

Remarks: _____

Same as 32-I

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window	Yes	No
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: No
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

Same as 32-I

a. Location Storage
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
   1) Storage _____
   2) Instantaneous _____
   3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting Hi
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate No
n. Insulation Thickness None
o. Insulation Material "
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher None

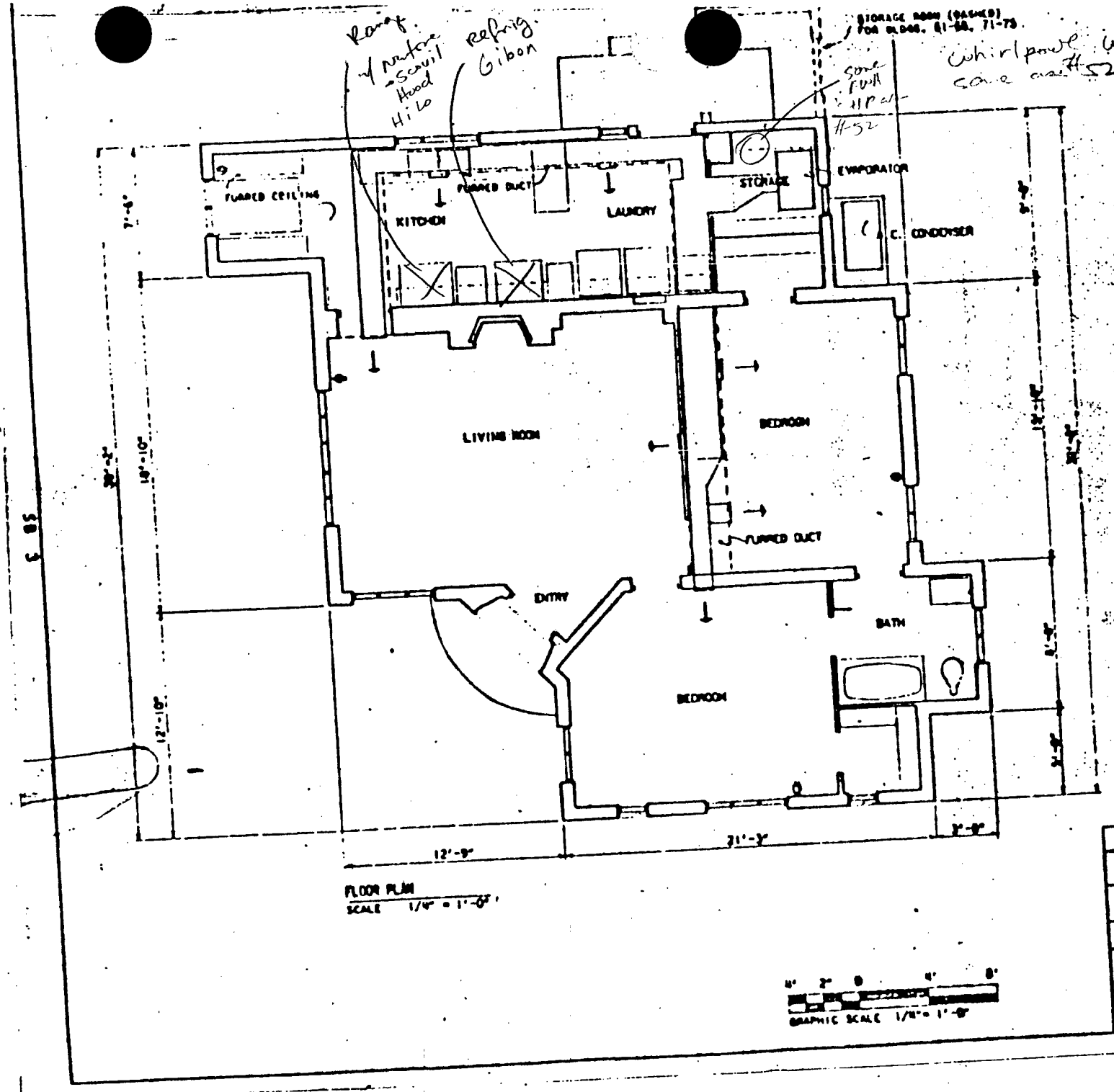
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

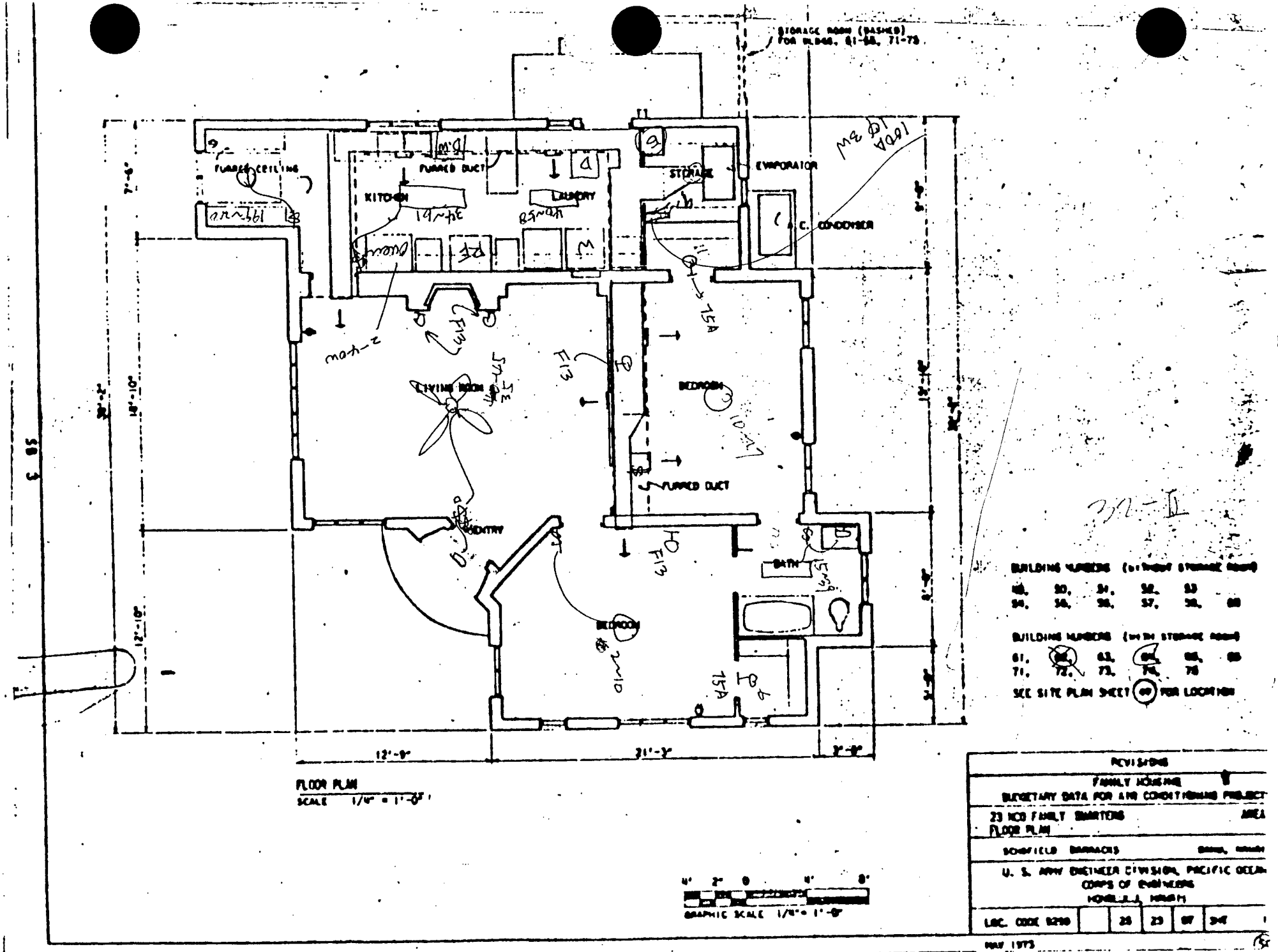
b. Clothes Washer

1) Mfg/Mdl Same as 52
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Washer Tub	4 l in 10 s	122	
Shwr	1 l / 10 s	120	


Roof
w/ water
Scuttle
Hood
Hilo
Refrig
Gibon
Whirlpool w/ sp
save one #52
#52
#64 R
STORAGE ROOM (SHARED) FOR BLDGS. 61-68, 71-78
Some Fuel + HP ok
FURRED CEILING
KITCHEN
FURRED DUCT
LAUNDRY
STORAGE
EVAPORATOR
C. CONDENSER
LIVING ROOM
BEDROOM
FURRED DUCT
ENTRY
BATH
BEDROOM
7'-9"
18'-10"
12'-10"
30'-3"
19'-3"
8'-1"
3'-9"
12'-9"
31'-3"
3'-9"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
50, 54, 56, 57, 58,
BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 71, 72, 73, 74, 75
SEE SITE PLAN SHEET 69 FOR LOCATION
4' 2' 0 4' 8'
GRAPHIC SCALE 1/8"= 1'-0"
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 HCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 5298
25
23
07
347
MAY 1973



BUILDING NUMBERS (WITHOUT STORAGE ROOM)

49,	50,	51,	52,	53
54,	56,	56,	57,	58, 59

BUILDING NUMBERS (WITH STORAGE ROOM)

61,	62,	63,	64,	65, 66
71,	72,	73,	74,	75

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS					
FAMILY HOUSING					
SUMMARY DATA FOR AIR CONDITIONING PROJECT					
23 HCD FAMILY QUARTERS					AREA
FLOOR PLAN					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9290		25	23	07	347

MAY 1973

Date: 1/8/90
Prepared By: CK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 71

Building Type: 32-II

Apartment: _____

No. Bedrooms: _____

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 2 per Day

Average No. of Times Dishwasher Used/Day: —

Remarks: _____

2.0 ARCHITECTURAL

same as 32-I

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ _____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 12 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: None

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

same as 32-I

a. Location Storage
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 52 gal.

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

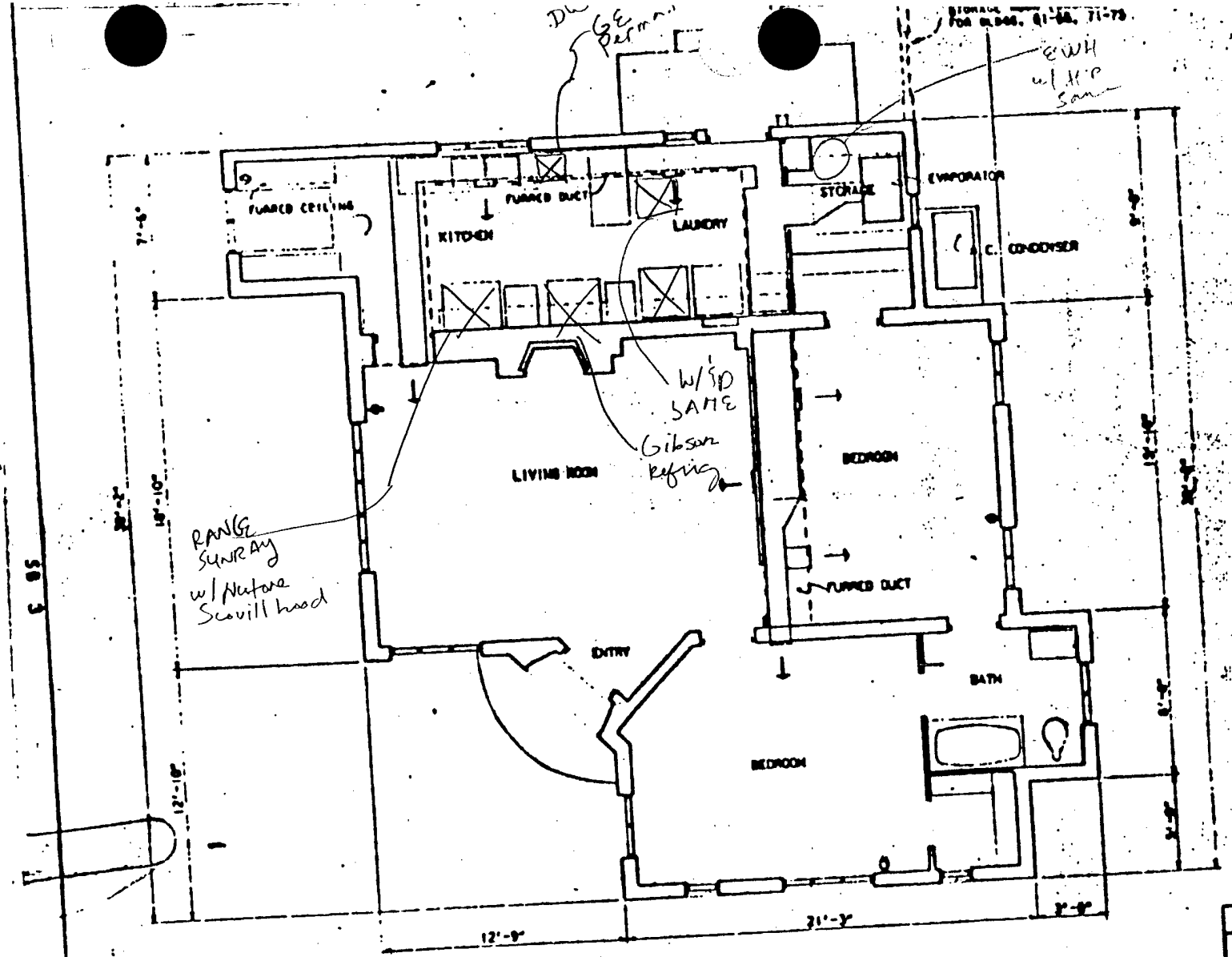
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

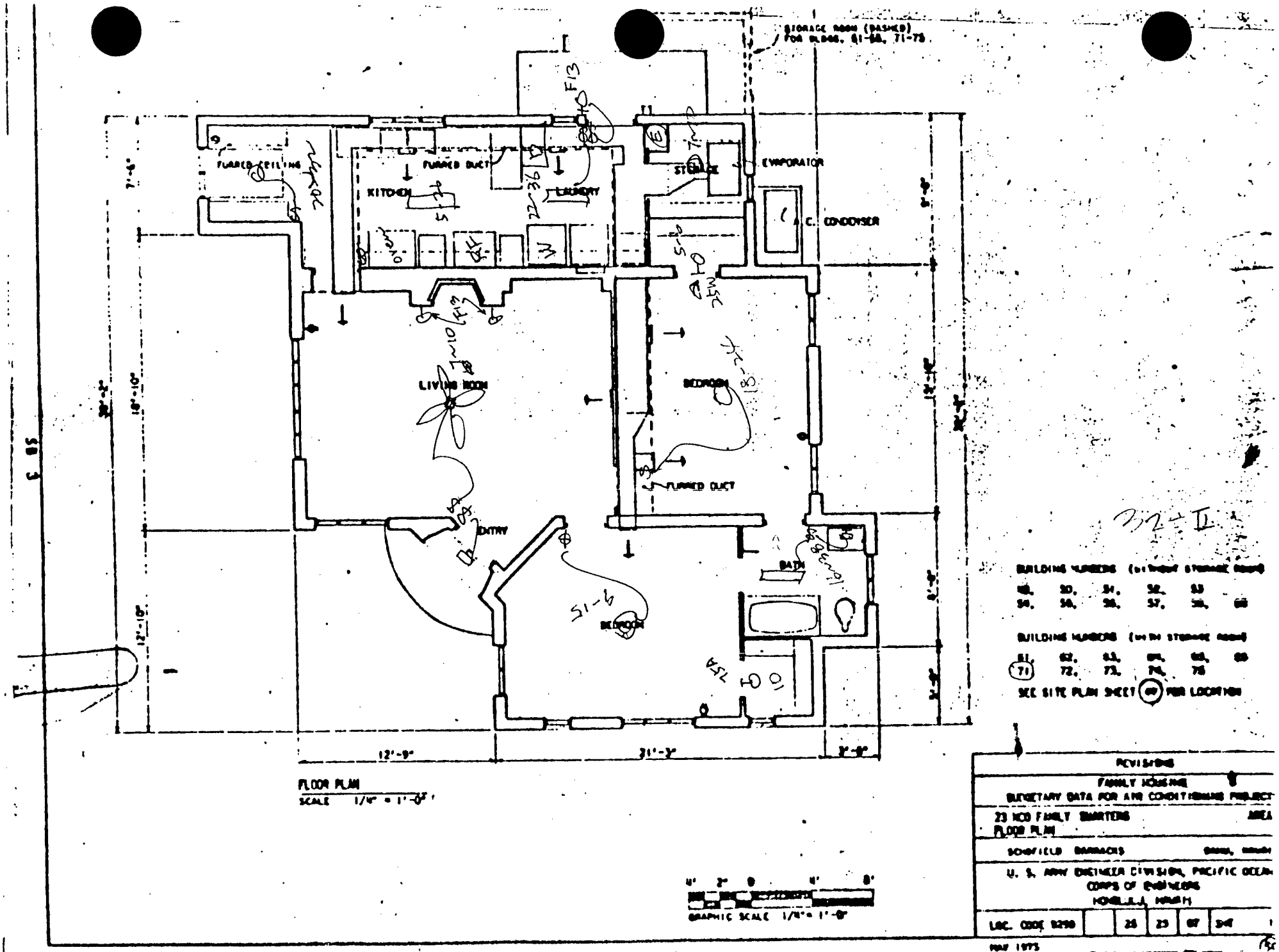
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Washer Tub	4.5 gl/10 s	124°F	


DW
GE Perm
EWH w/ HP same
FURRED CEILING
FURRED DUCT
KITCHEN
LAUNDRY
STORAGE
EVAPORATOR
C. CONDENSER
#-71
W/SP SAME
Gibson Refrig
LIVING ROOM
BEDROOM
RANGE SUNRAY w/ Nutone Scovill hood
FURRED DUCT
ENTRY
BATH
BEDROOM
12'-9"
31'-3"
3'-9"
FLOOR PLAN
SCALE 1/4" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
BUILDING NUMBERS (WITHOUT STORAGE ROOM)
BUILDING NUMBERS (WITH STORAGE ROOM)
SEE SITE PLAN SHEET (69) FOR LOCATION
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECT
23 HCD FAMILY QUARTERS
FLOOR PLAN
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9290
MAY 1973



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

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS (OPPOSITE STORAGE ROOM)
60, 30, 34, 56, 53
59, 58, 36, 57, 55, 66

BUILDING NUMBERS (WITH STORAGE ROOM)
61, 62, 63, 64, 65, 66
(71) 72, 73, 74, 75

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECT					
23 HCD FAMILY QUARTERS FLOOR PLAN					AREA
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 9290		25	23	07	347

MAY 1975

Date: 1/8/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 72

Building Type: 32-II

Apartment: _____

No. Bedrooms: 2

Area: A

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: —

Remarks: _____

same as 32-I

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 32-I

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

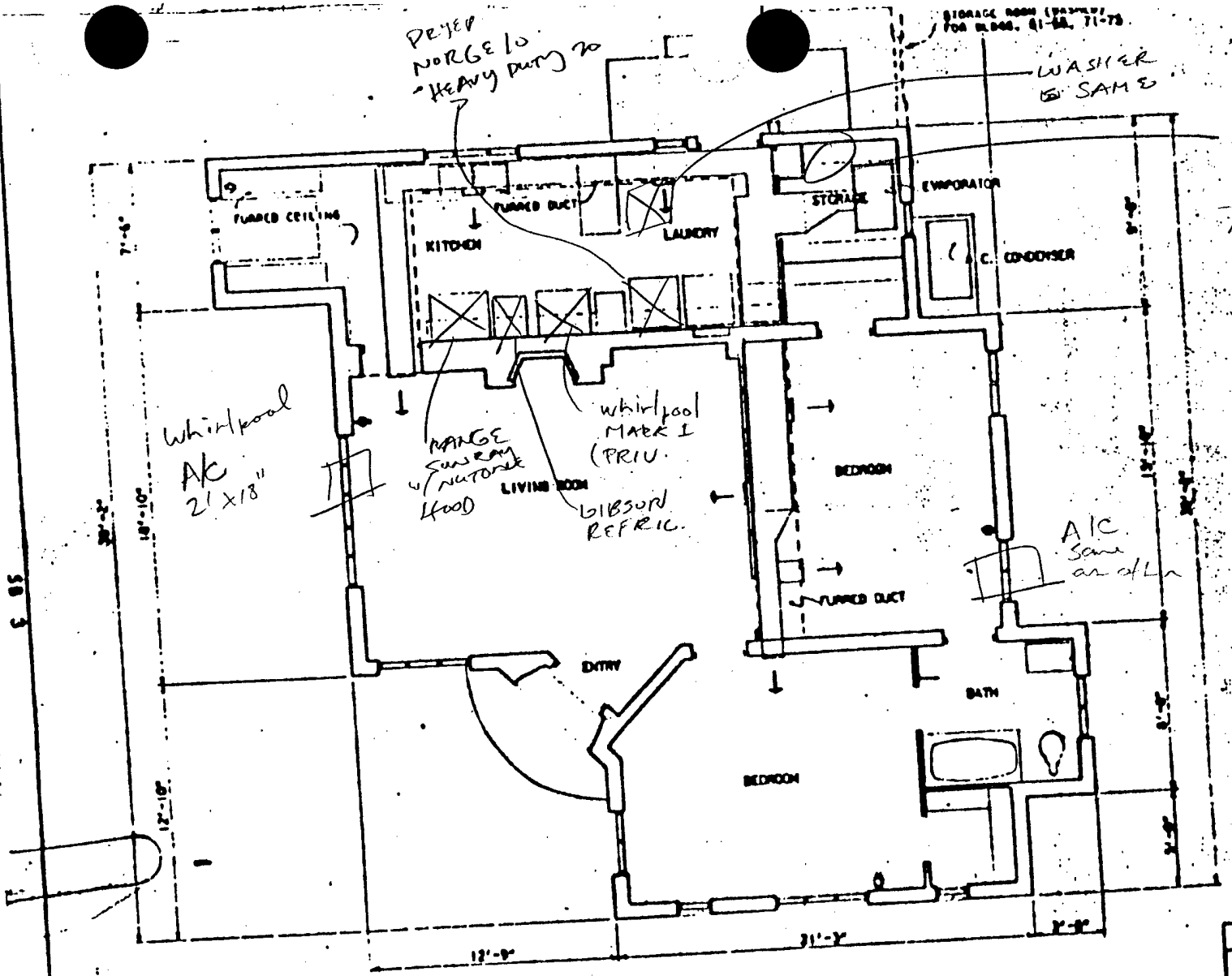
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl SAME AS UNIT 61
2) Setting: Hot _____ Warm ✓ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
WASHER TUB	4ℓ/10S	138°F	



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

BUILDING NUMBERS (without storage room)
60, 20, 54, 52, 53
54, 56, 55, 57, 58, 60

BUILDING NUMBERS (with storage room)
61, 62, 63, 64, 65, 66
71, 72, 73, 74, 75

SEE SITE PLAN SHEET (60) FOR LOCATION

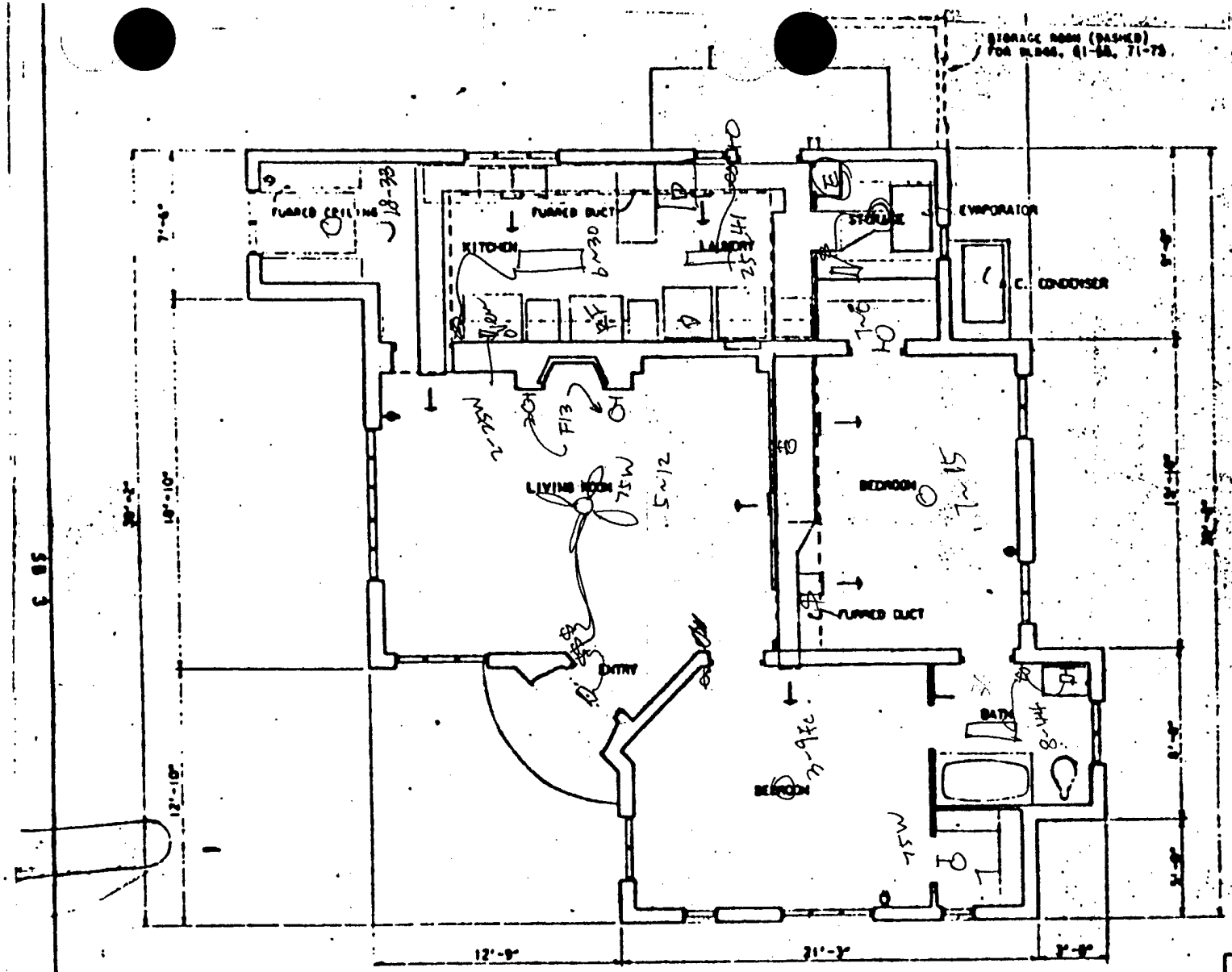
REVISIONS

FAMILY HOUSING
BUREAUCRACY DATA FOR AIR CONDITIONING PROJECT
23 NCO FAMILY QUARTERS — AREA
FLOOR PLAN
SCHOFIELD BARRACKS — OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 9290 | | 25 | 23 | 07 | 345

MAY 1973

4' 2' 0 4' 8'
GRAPHIC SCALE 1/8" = 1'-0"



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

GRAPHIC SCALE 1/8" = 1'-0"

32 - II

BUILDING NUMBERS (WITHOUT STORAGE ROOM)

58, 59, 64, 56, 55
54, 60, 66, 57, 65, 68

BUILDING NUMBERS (WITH STORAGE ROOM)

61, 62, 63, 69, 70, 67
71, (72) 73, 74, 75

SEE SITE PLAN SHEET (69) FOR LOCATION

REVISIONS	
FAMILY HOUSING	
BUDGETARY DATA FOR AIR CONDITIONING PROJECT	
23 NCO FAMILY QUARTERS	AREA
FLOOR PLAN	
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8298	25 / 23 / 05 / 347

MAY 1973

UNIT TYPE 32-III

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 607

Building Type: 32-111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 3X Weeks

Remarks: _____

2.0 ARCHITECTURAL

No Crawl space, under house

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Conc.

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Asphalt Shingle

Wood Deck

Conc. Ceiling

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 130 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Visible piping not
Insulation Thickness: 0

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served ALL
c. Manufacturer and Model Hoyt FSC-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities:
1) Storage ✓
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 106 gal

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition Good
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set No

3.3 HW USING APPLIANCES

see sketch

a. Dishwasher

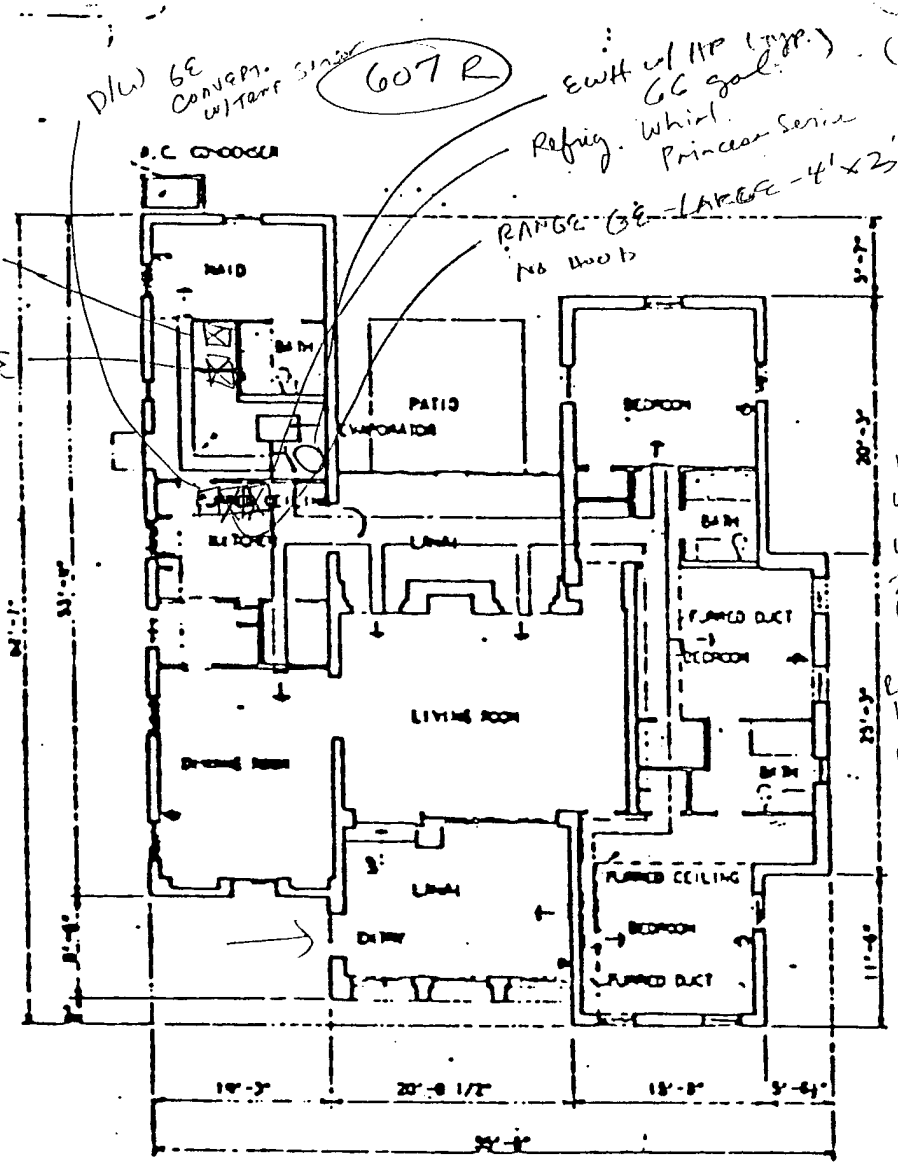
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Maid's Bath Shower Head	2l/10s	130°F	
Laudry Tub	2l/10s	130F	
Hall Bath. LAV.	2l/10s	124F	

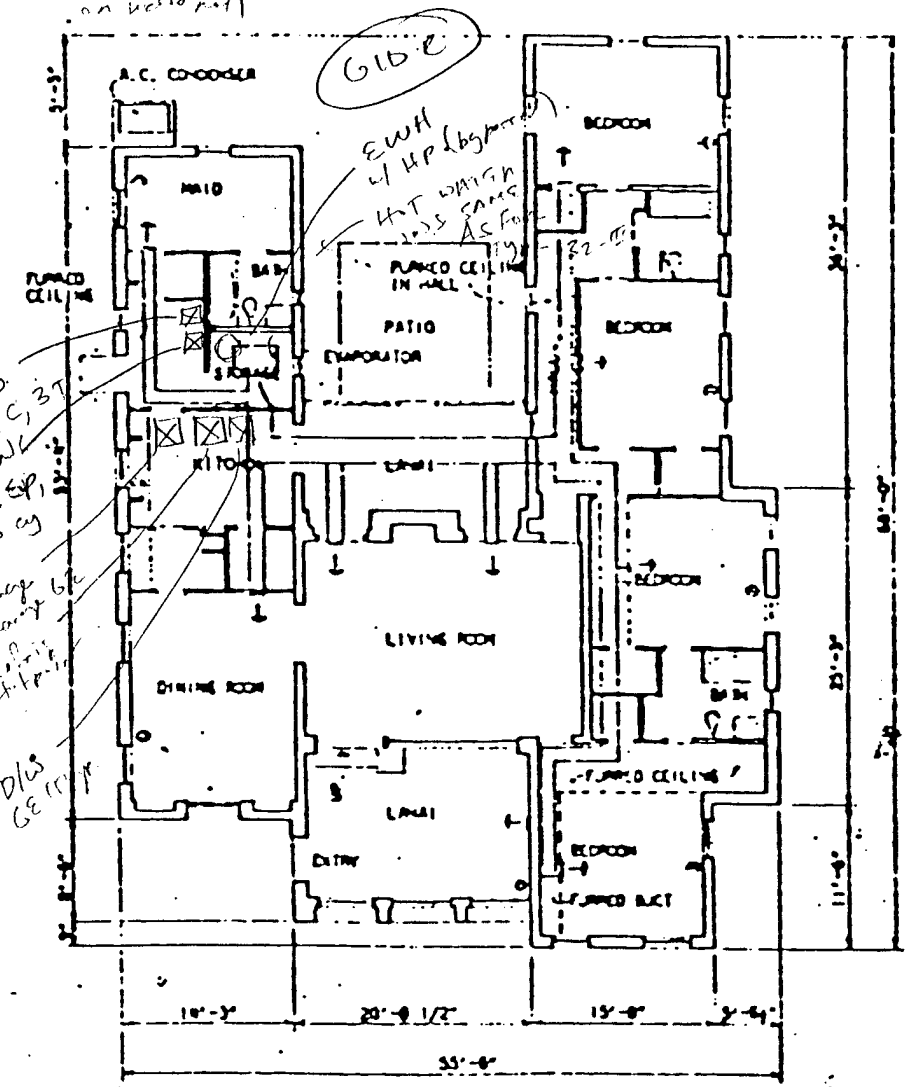


FLOOR PLAN - 2 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
601, 602, 605, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 626, 626
640, 642, 644, 646, 647
648, 650, 651, 655, 657
659

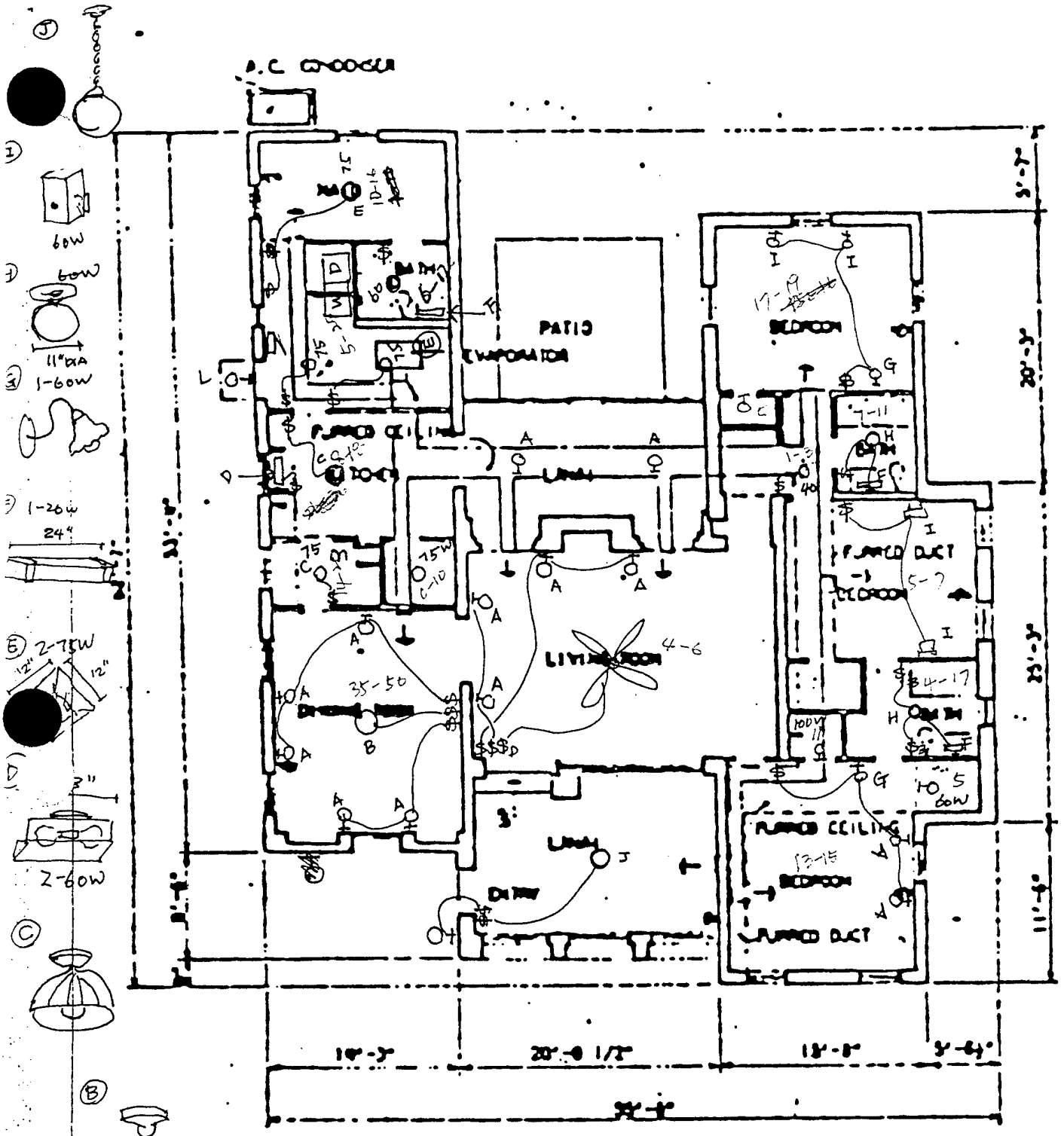
SEE SITE PLAN SHEET (A1) FOR LOCATION

Type 32-III



FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686,



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

BUILDING NUMBERS

601.	602.	605.	607.	608
611.	612.	613.	617.	618
621.	622.	625.	626.	626
640.	642.	645.	646.	647
650.	650.	651.	656.	657
658				

SEE SITE PLAN SHEET (A1) FOR LOCATION

Type. 32 - III

607

BUILDING NU

608. 652.
640. 642.

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 611

Building Type: 32 - 111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as 607

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

same as 607.

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

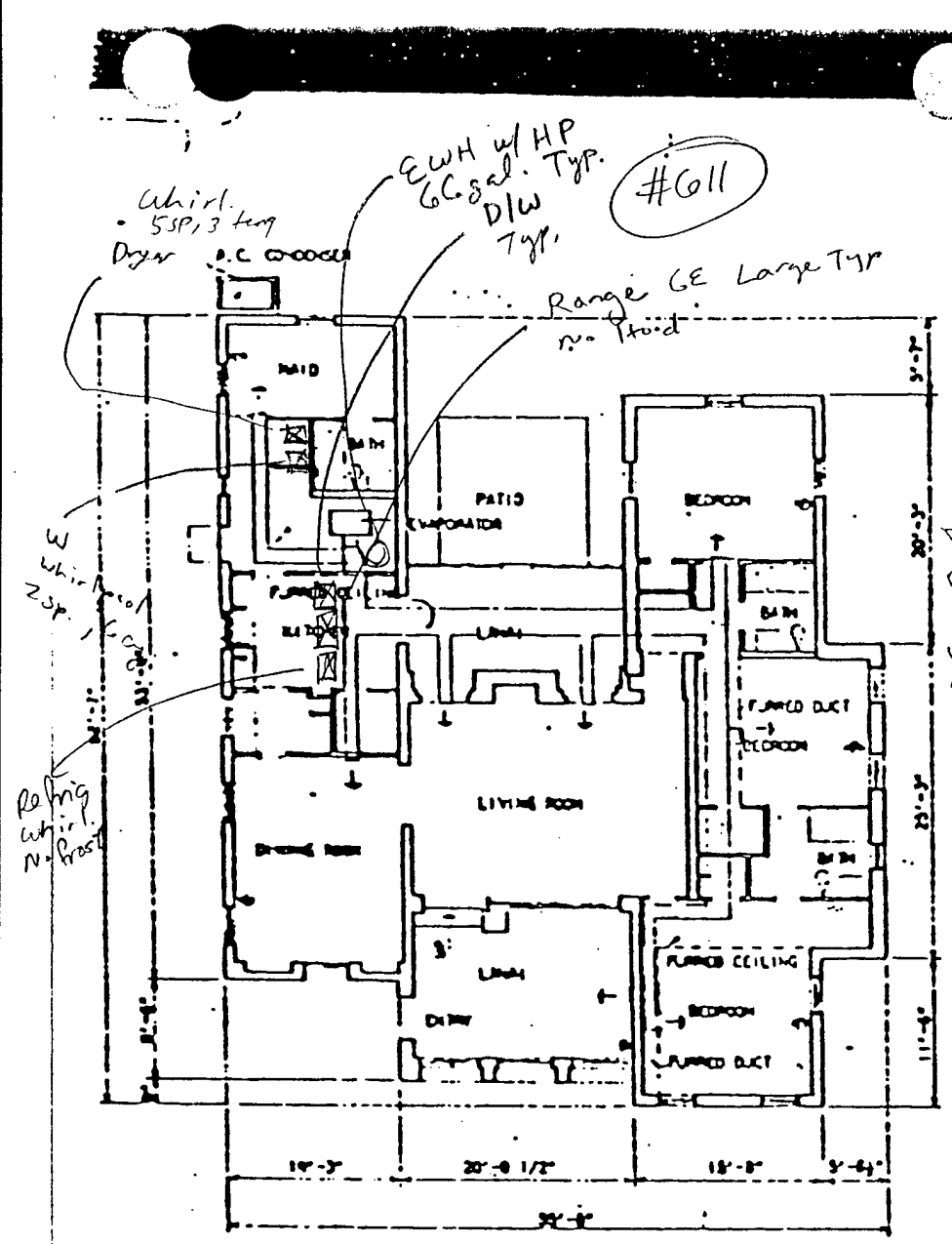
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sink	2.5ℓ/10s	128F	
Maid's Room Shower	2.5ℓ/10s	122F	

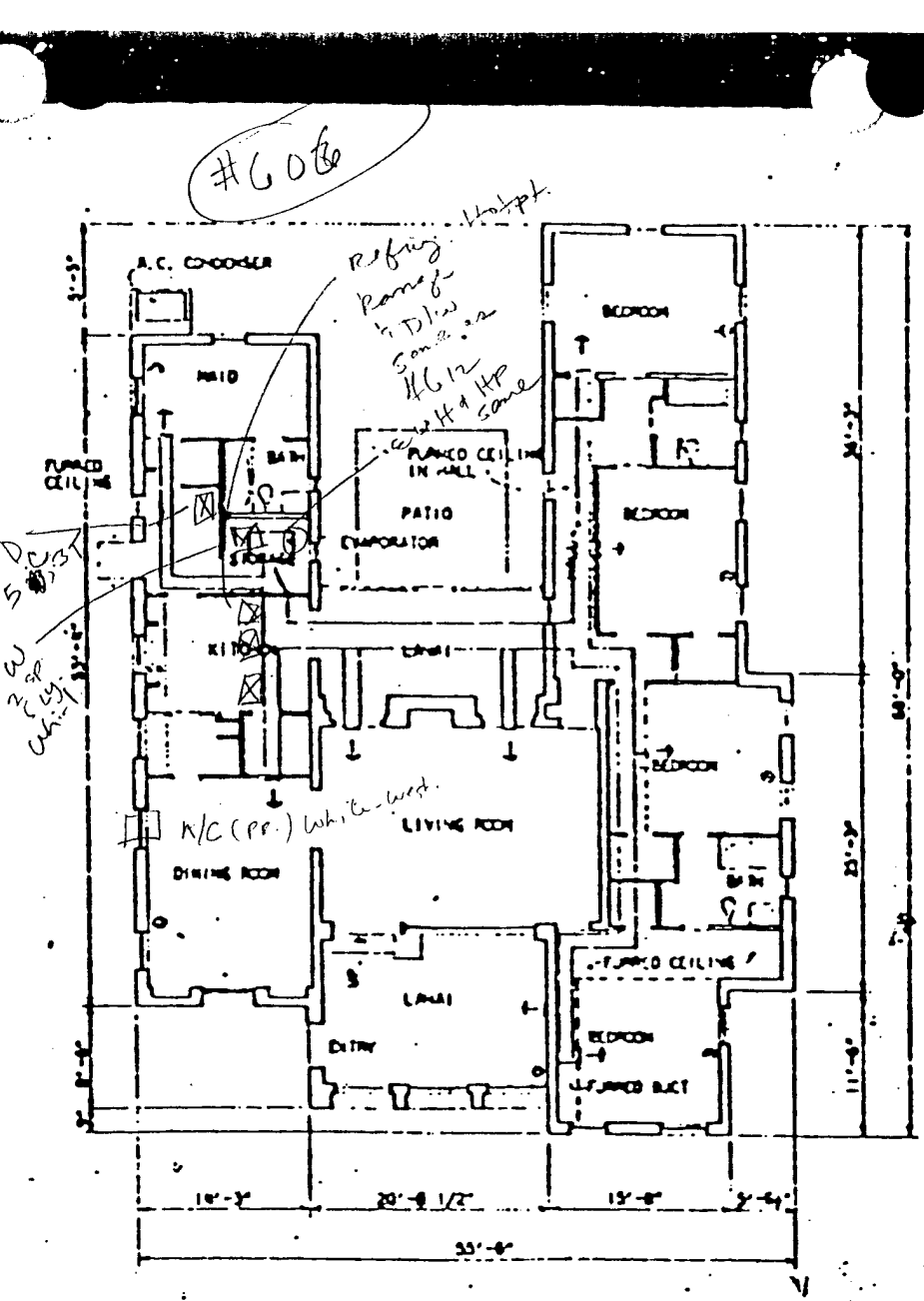


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
604, 605, 606, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 626, 626
640, 622, 624, 626, 627
628, 629, 631, 635, 637
639

SEE SITE PLAN SHEET (33) FOR LOCATION

Type 32-III

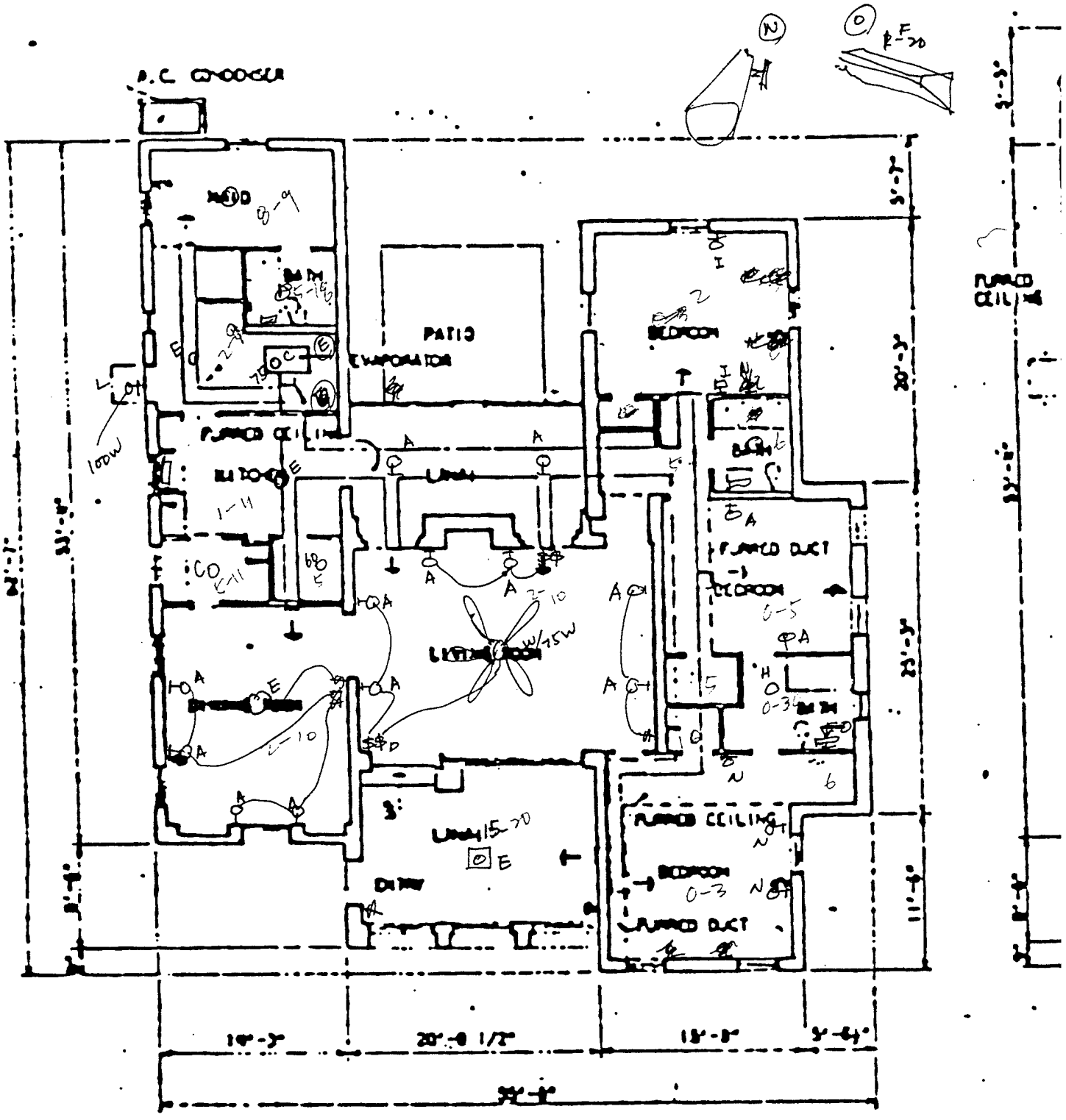


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 602, 604, 608, 608
610, 612, 628, 633

Type 32-IV

REVISIONS
FAMILY HOUSING BIDDING/HW DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS SCHOFIELD (1938) AREA F FLOOR PLANS TYPE 3 BR
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

BUILDING NUMBERS

604,	605,	606,	607,	608
611,	612,	613,	617,	618
621,	623,	625,	614,	616
640,	622,	624,	626,	627
628,	629,	631,	635,	637
638				

SEE SITE PLAN SHEET (M) FOR LOCATION

Type. 32 - III

611

BUILDING NU

608, 609,
610, 612,

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 627

Building Type: 32-111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 3pm

No. of Occupants: 2

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 2

Average No. of Times Dishwasher Used/Day: every other Day

Remarks: _____

2.0 ARCHITECTURAL

same as 6.07

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 607

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

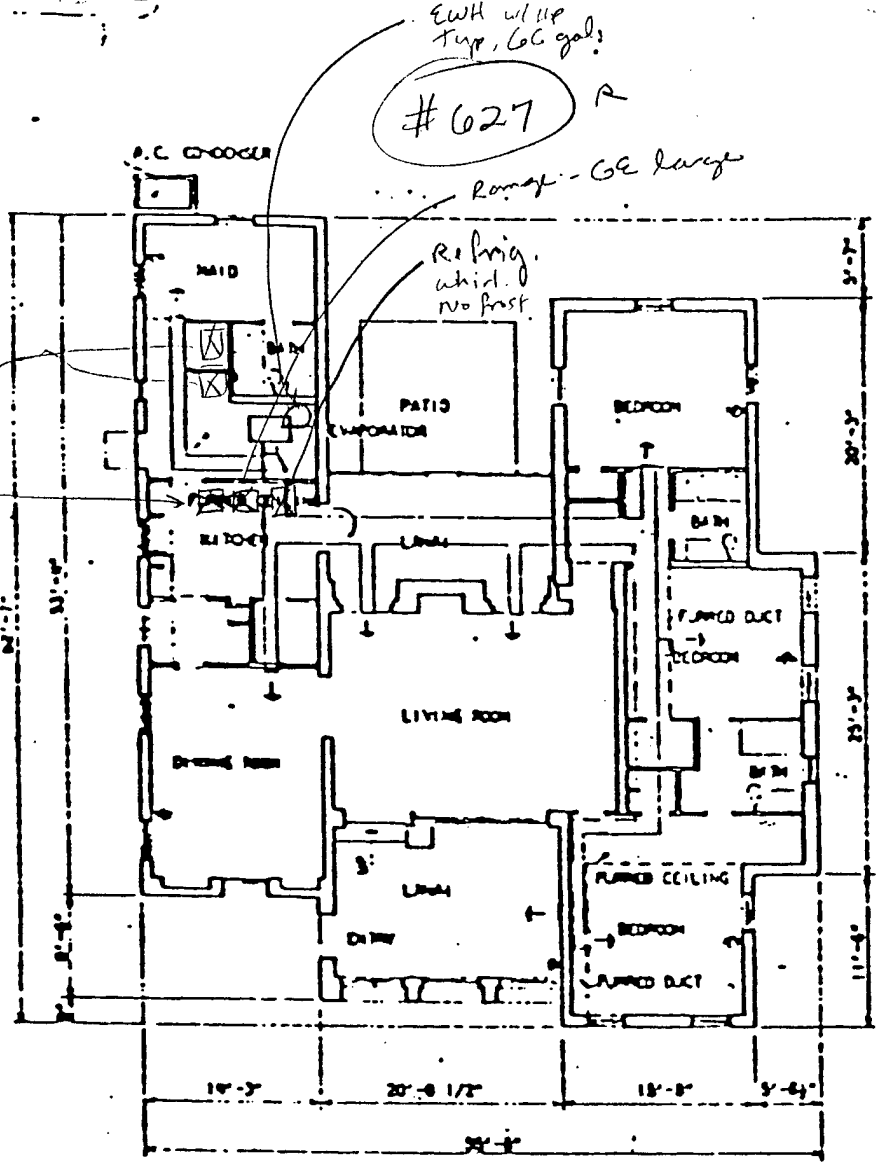
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.2/10s		

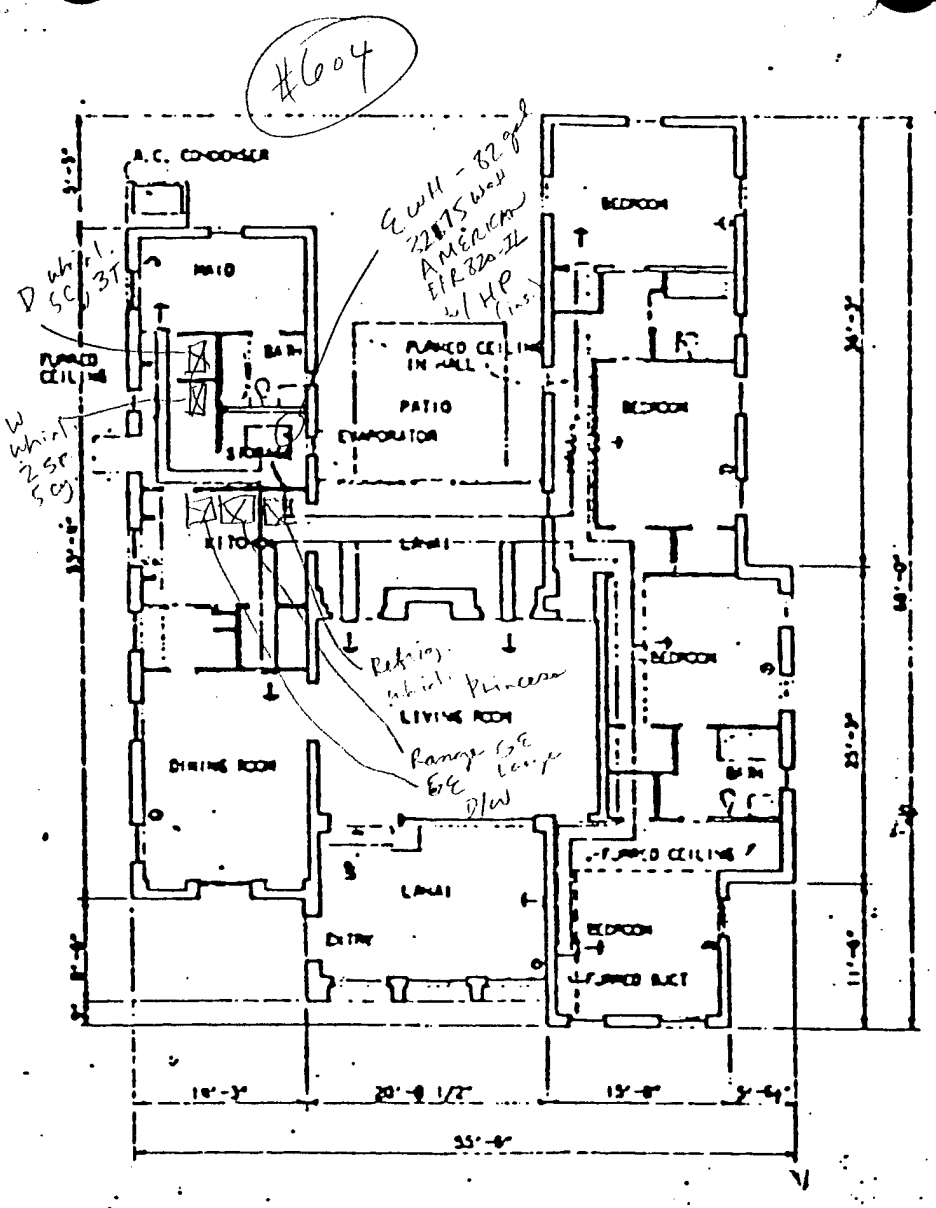


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
604, 605, 606, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 626, 626
628, 629, 631, 635, 637
638

SEE SITE PLAN SHEET (34) FOR LOCATION

Type 32 - III

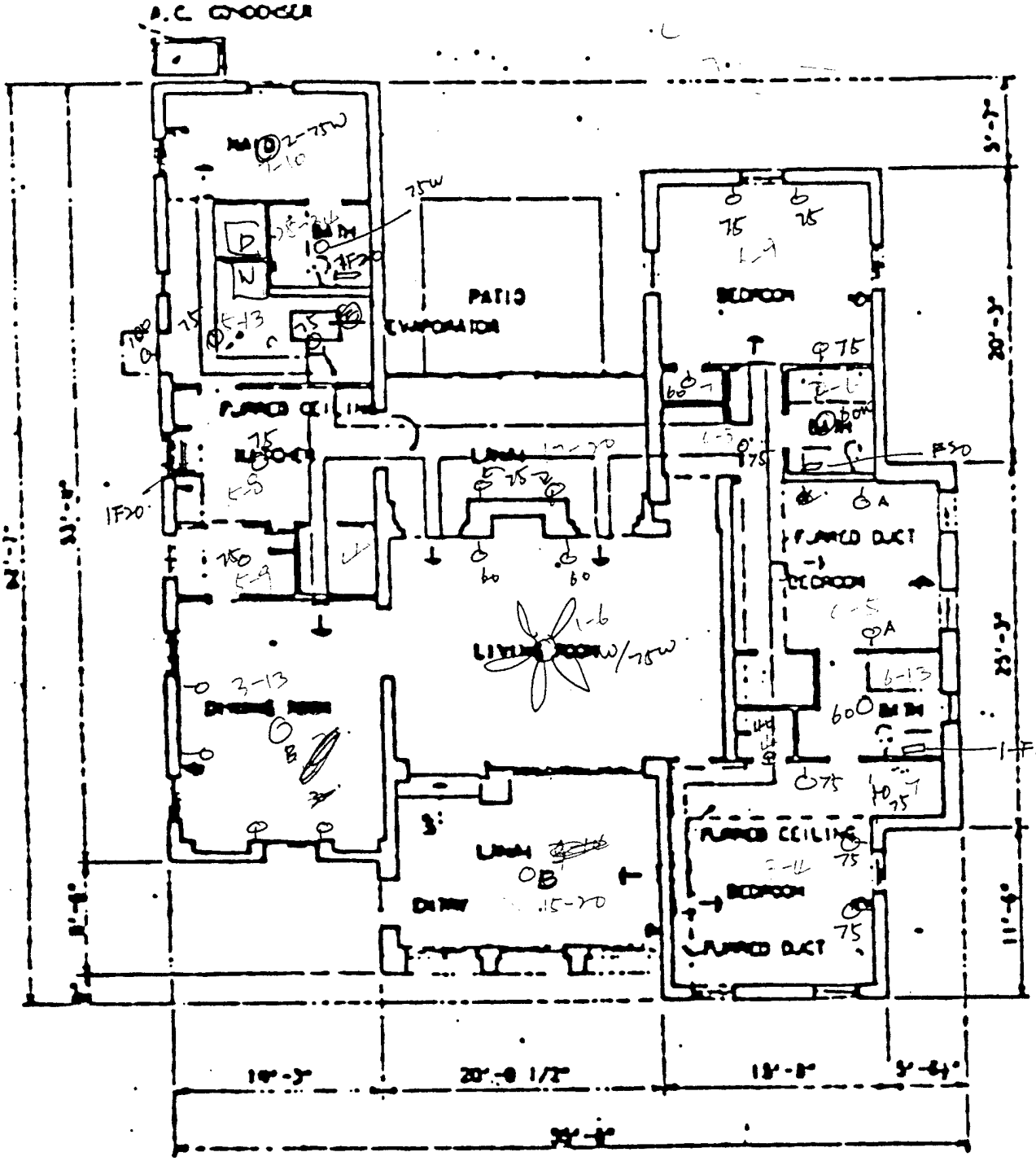


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 610, 612, 614, 616, 618, 620, 633

Type 32 - IV

REVISIONS
FAMILY HOUSING BIDDETAIL DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS SCHOFIELD (15201) AREA F FLOOR PLANS TYPE 3 AND 3 BR
SCHOFIELD BARRACKS HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

BUILDING NUMBERS

601,	602,	605,	607,	608
611,	612,	613,	617,	619
621,	622,	625,	626,	628
640,	642,	645,	646,	647
650,	652,	654,	656,	657
658				

SEE SITE PLAN SHEET (A2) FOR LOCATION

Type 32 - III

607

Same as 607

Date: 1/10/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 631

Building Type: 32 - 111

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 8

Average No. of Times Dishwasher Used/Day: 2 or 3 days

Remarks: _____

2.0 ARCHITECTURAL

same as 6.7

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT Same as 607

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

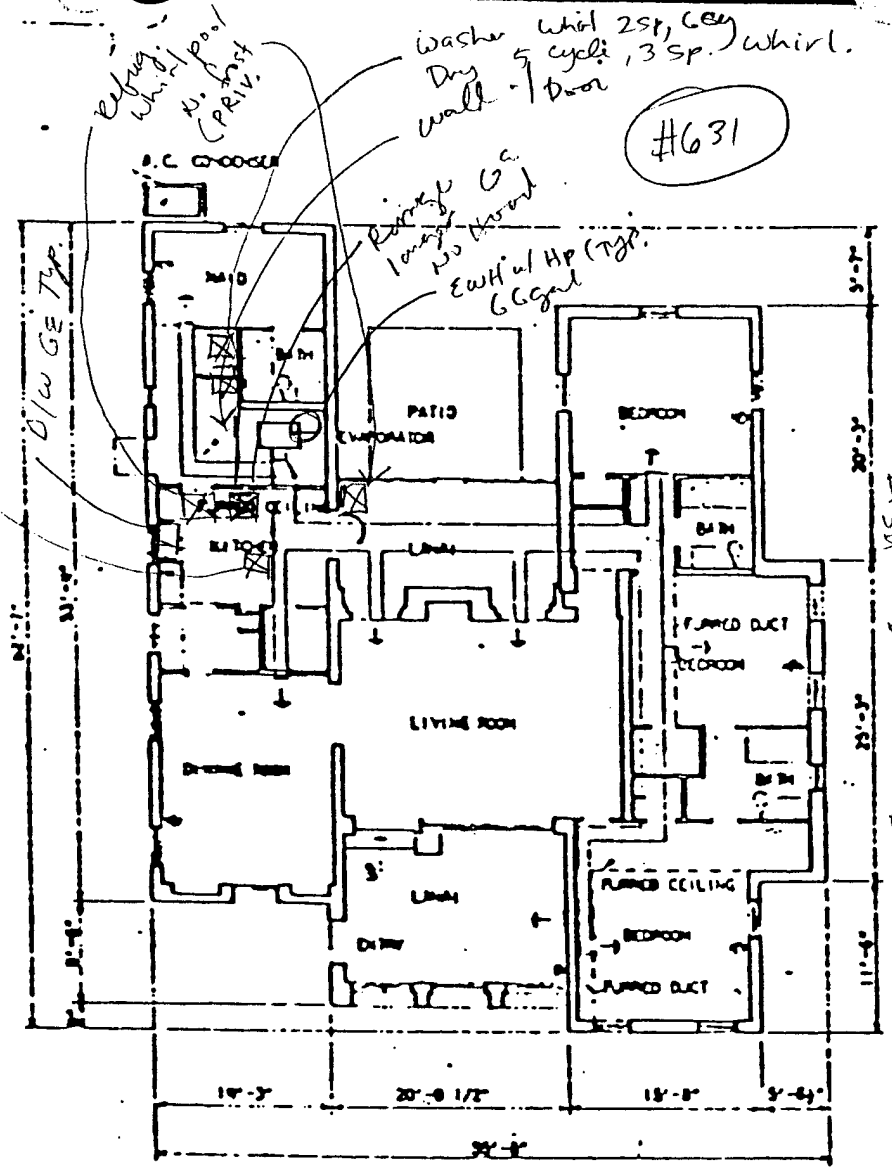
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

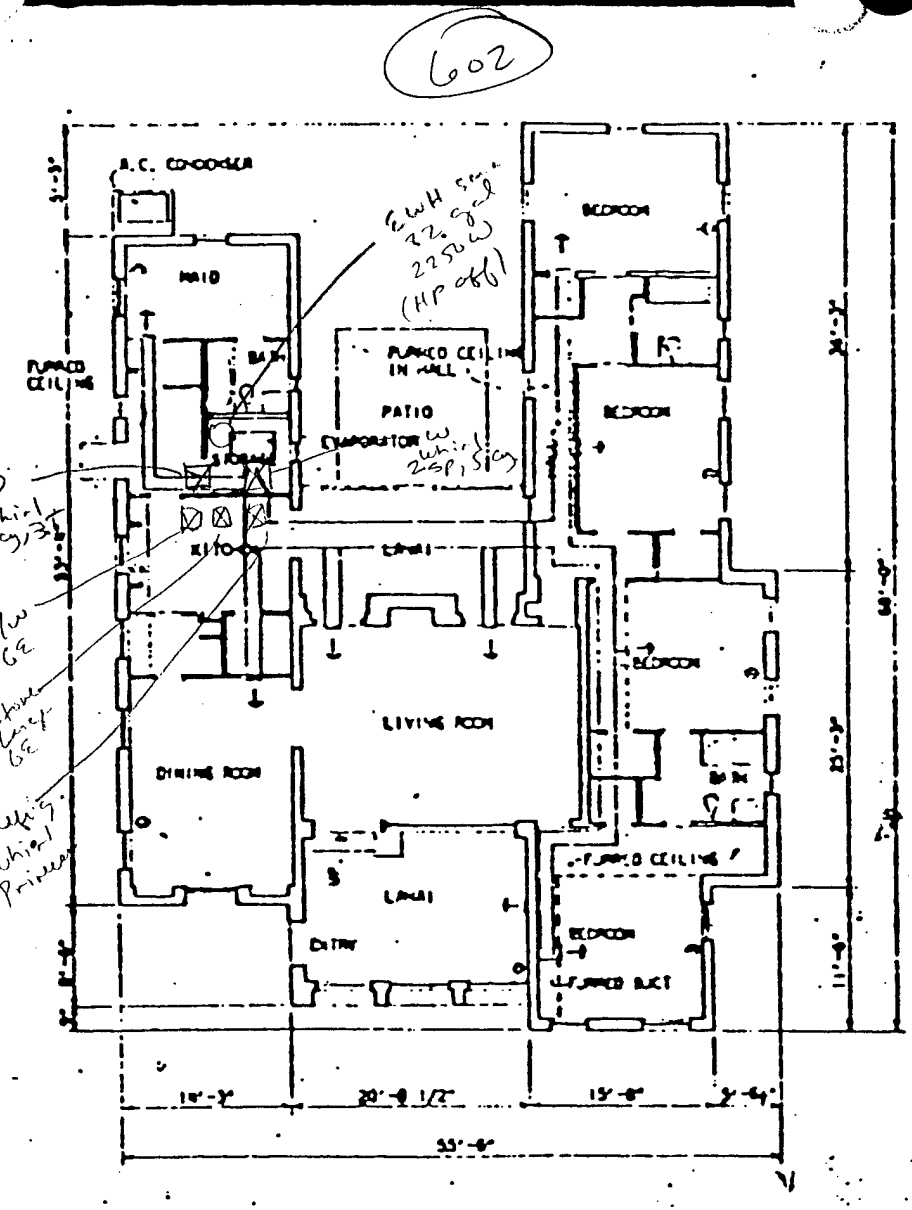
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk.	2l/10s	130°F	
Maid's Room Shower Head	1l/10s	128F	Shower message head



Type. 32 - III



Type 32 - IV

FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

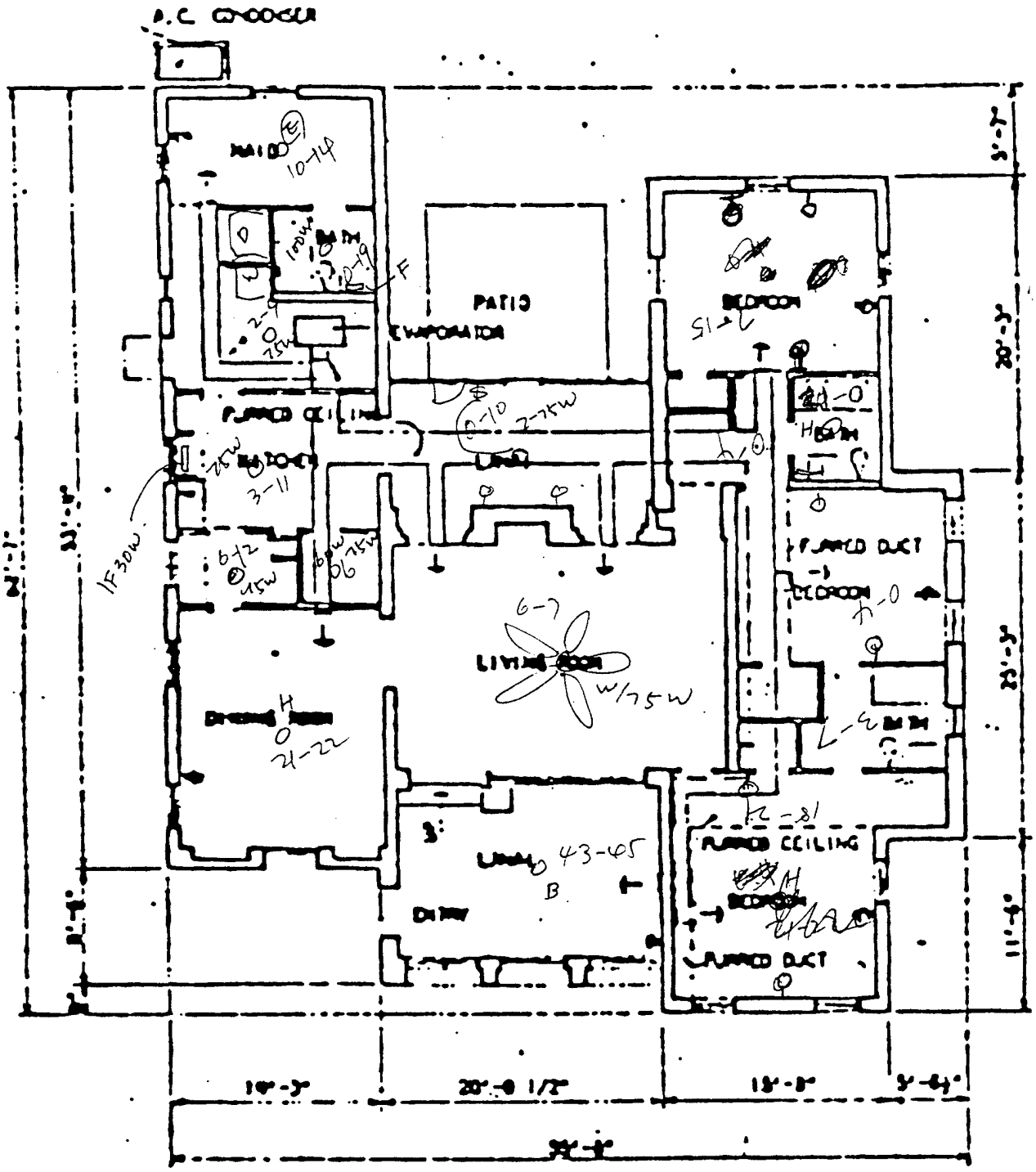
BUILDING NUMBERS
601, 603, 605, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 619, 616
640, 622, 624, 626, 627
628, 630, 634, 636, 632
638

SEE SITE PLAN SHEET (33) FOR LOCATION

FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 602, 604, 606, 608
610, 612, 620, 633

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS SCHOFIELD BARRACKS AREA F FLOOR PLANS TYPE 3 BR & 3 BR
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

BUILDING NUMBERS

601, 602, 606, 607, 608
611, 612, 615, 617, 619
621, 622, 625, 626, 628
631, 632, 635, 636, 637
638, 639, 641, 646, 647
648

SEE SITE PLAN SHEET (A1) FOR LOCATION

631

Type. 32 - III

BUILDING NU
608, 609,
610, 612,

UNIT TYPE 32-IV

Date: 1/11/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 602

Building Type: 32 - IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 5

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 15

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Conc wall

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Conc. (some roma)

plastr (some)

Wood

asphalt Shingles

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window	✓	
Tinted		
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 116 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Visible piping has abv. ground ins.
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Storage
b. Areas Served Entire House
c. Manufacturer and Model Hoyt FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities:
1) Storage ✓
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 1.6 cyl.

g. Heating Capacity 2750 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

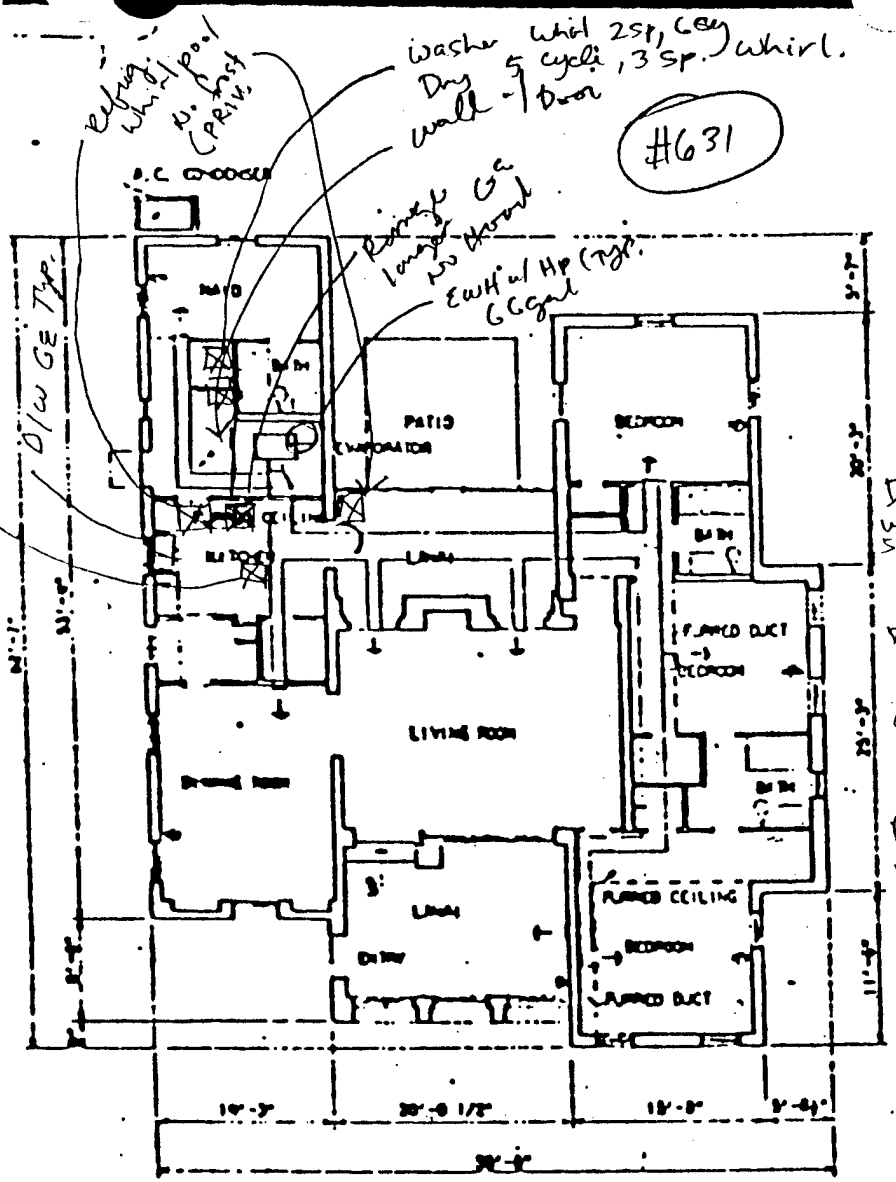
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	4l/10s	116	



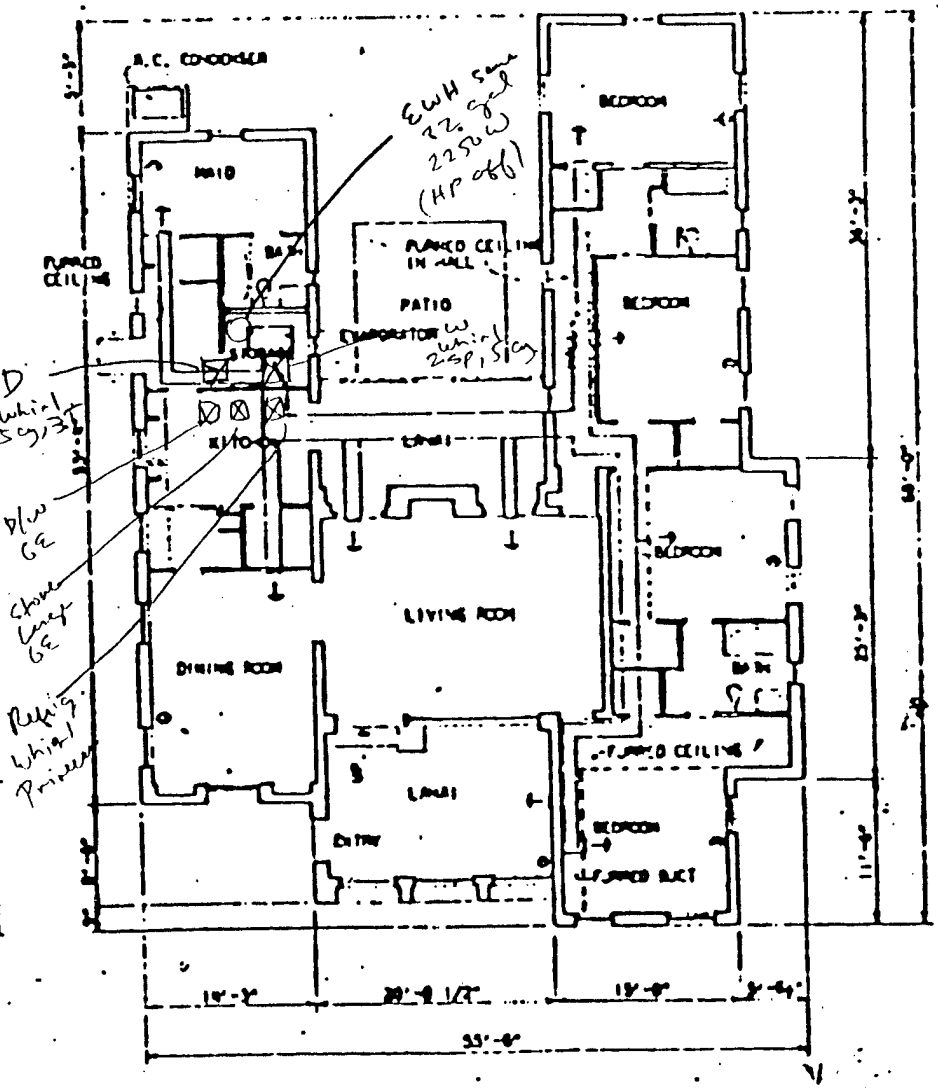
FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

601, 605, 606, 609, 610
611, 613, 615, 617, 619
621, 623, 625, 626, 628
630, 632, 634, 636, 638
640

SEE SITE PLAN SHEET (A) FOR LOCATION

Type. 32 - III



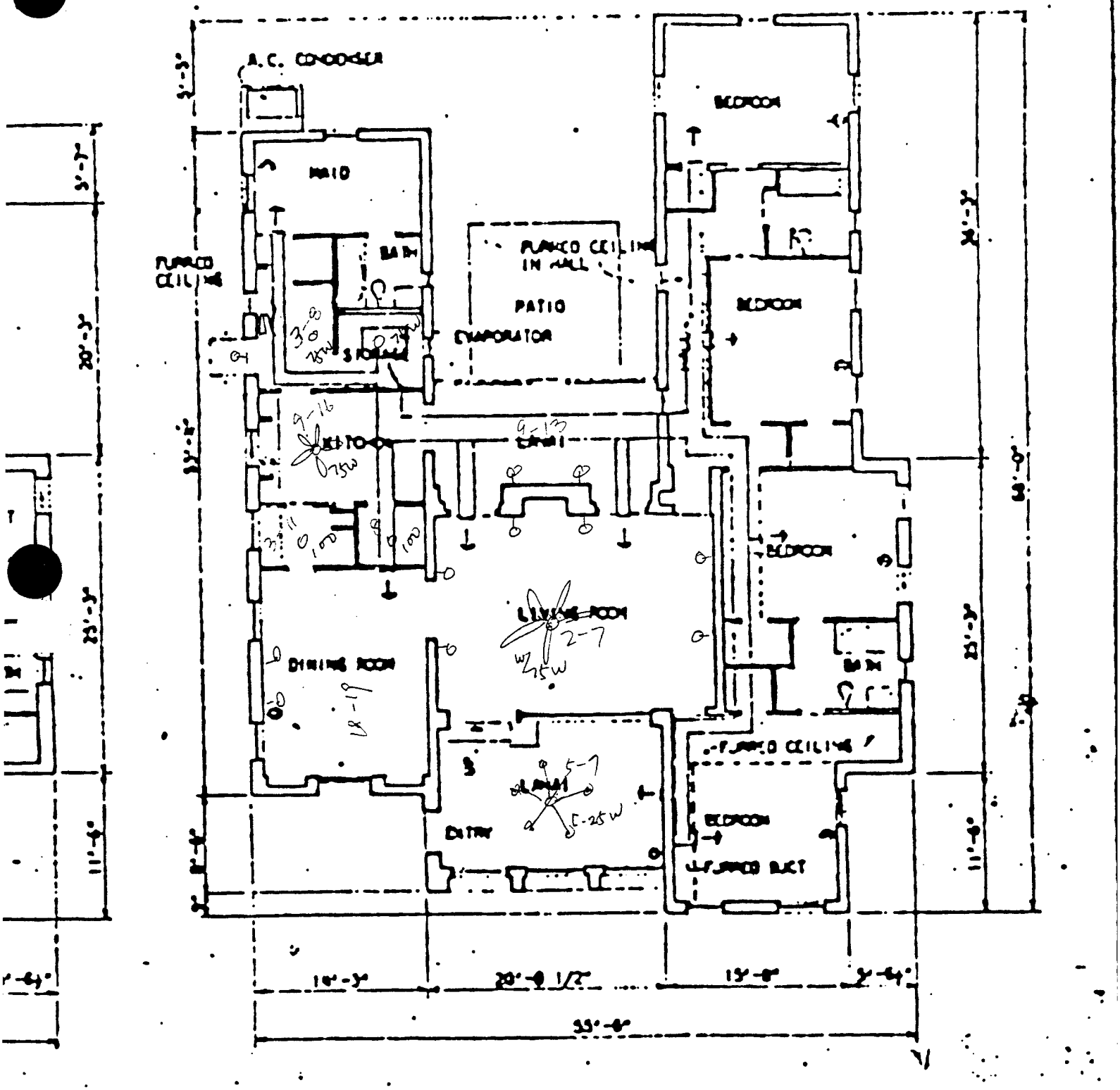
FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

602, 604, 607, 608, 612
614, 616, 620, 622

Type 32 - IV

REVISIONS
FAMILY HOUSING
GUIDETHRU DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS 3DOOTHILLS (15301) AREA F
FLOOR PLANS TYPE 3 and 3 BR
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

602

BUILDING NUMBERS

608, 609, 609, 609, 609
610, 612, 628, 633

Type 32 - IV

REVISIONS
FAIRLEY HOUSING
BIDDETHAN DATA FOR AIR CONDITIONING PROJECTS
OFFICE OF HOUSING DEVELOPMENT (1530) AREA I

Date: 1/11/90

Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 604

Building Type: 32-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 5

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 15

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 602

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 602

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

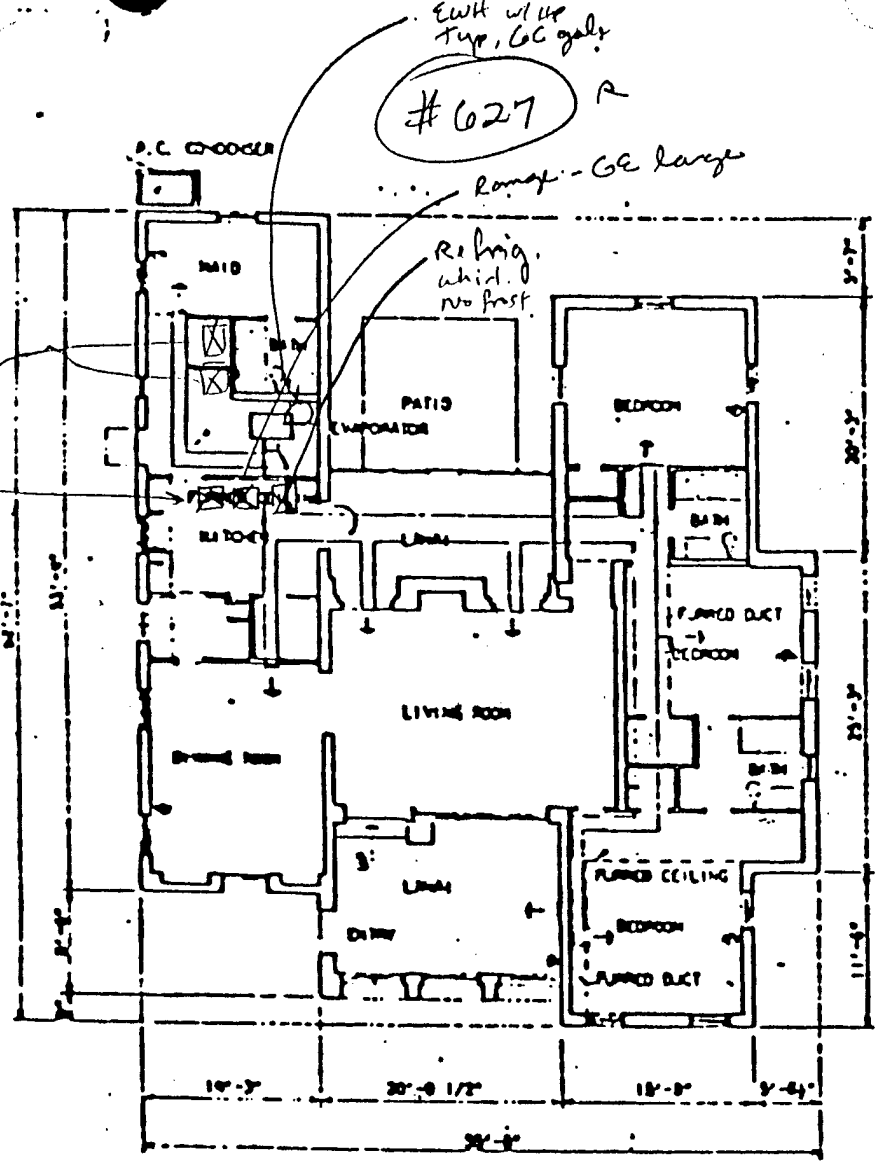
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub SL	3l/10S	128F	



FLOOR PLAN - 3 BR

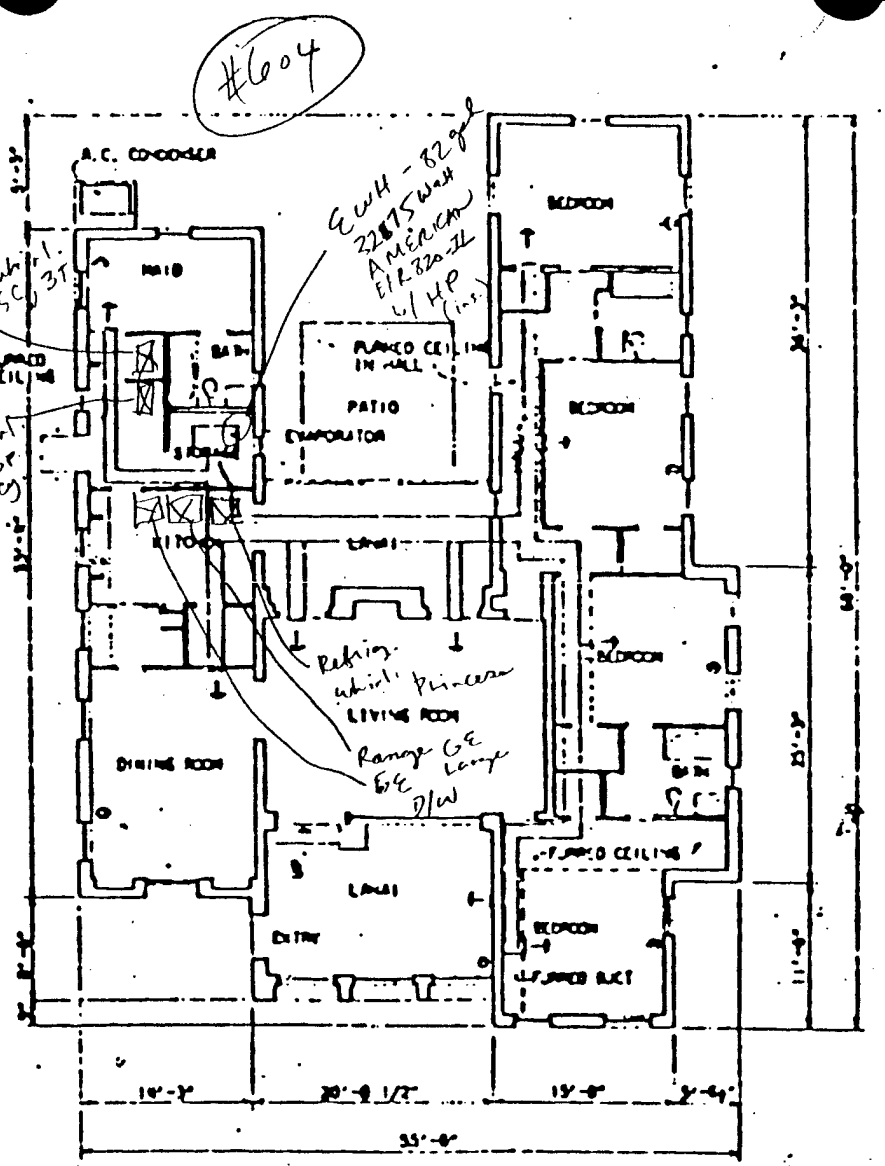
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

601, 602, 606, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 627, 629
631, 633, 635, 637, 639
641

SEE SITE PLAN SHEET (A1) FOR LOCATION

Type 32 - III



FLOOR PLAN - 3 BR

SCALE 1/8" = 1'-0"

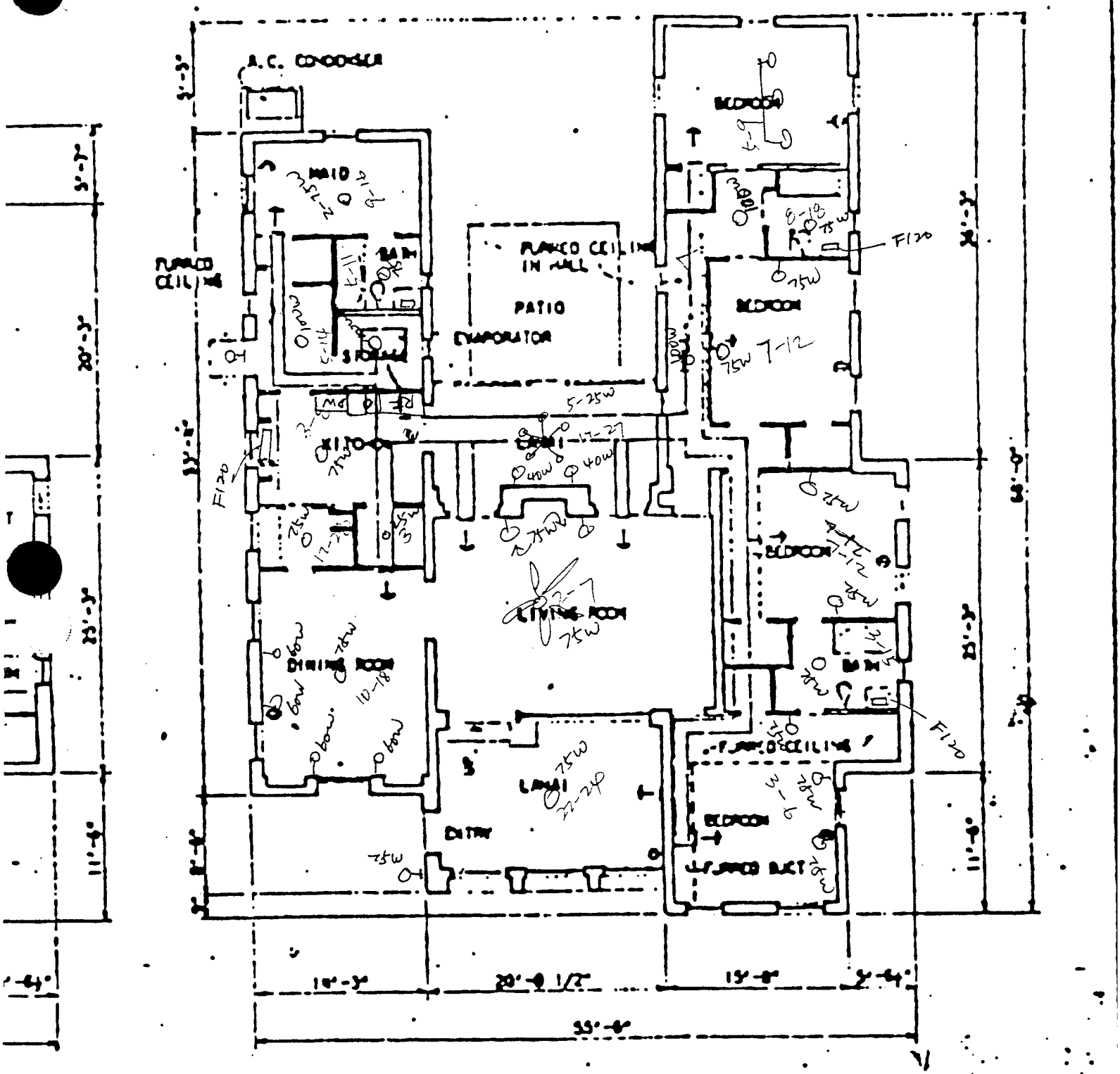
BUILDING NUMBERS

608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638

Type 32 - IV

0' 4' 8' 16'

REVISIONS
FAMILY HOUSING
SUBSISTENCE DATA FOR AIR CONDITIONING PROJECTS
OFFICERS QUARTERS SCHOFIELD 115301 AREA F
FLOOR PLANS TYPE 3 BR
SCHOFIELD BARRACKS HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



FLOOR PLAN - 1 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 609, 604, 606, 608
610, 612, 630, 633

Type 32 - IV

604

REVISIONS
FAMILY HOUSING
BIDDETAIL DATA FOR AIR CONDITIONING PROJECTS
OFFICE QUARTERS 3000 SQ FT 11 STORY AREA 1

Date: 1/11/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 606

Building Type: 32-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

Same as 602

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 6.2

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

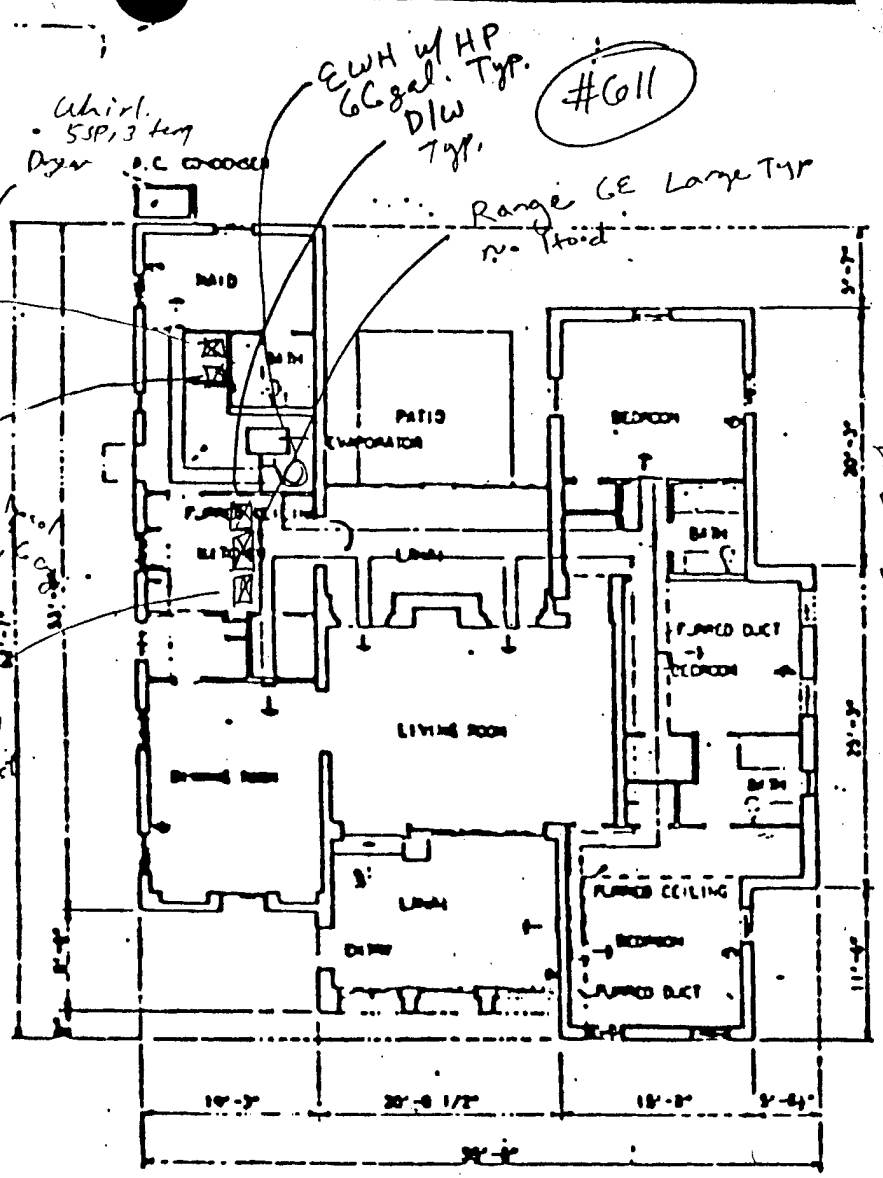
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

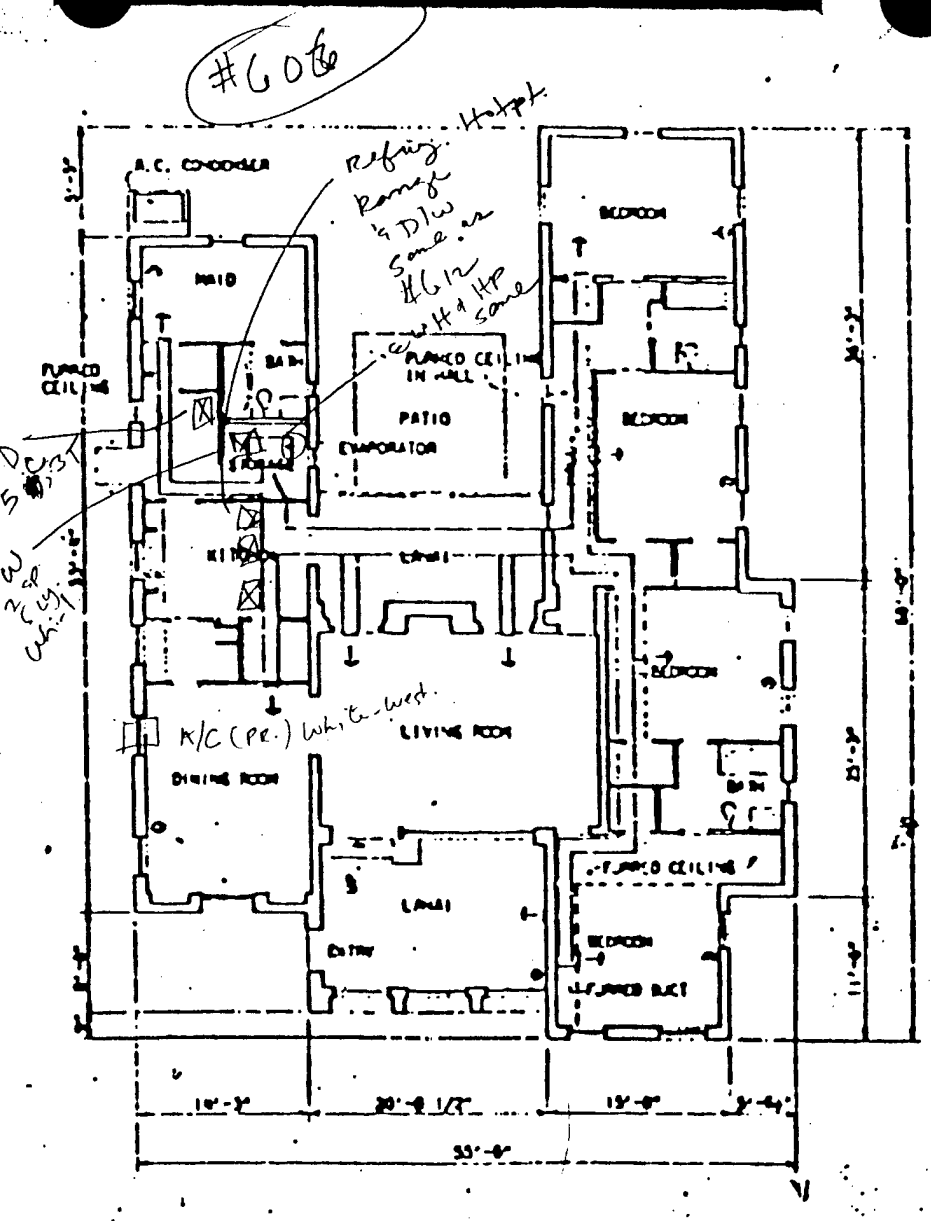
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub St	3ℓ/10s	112 F	





FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
601, 602, 606, 607, 609
611, 613, 615, 617, 619
631, 633, 635, 616, 618
642, 622, 624, 626, 627
629, 630, 634, 636, 632
638

SEE SITE PLAN SHEET (A2) FOR LOCATION

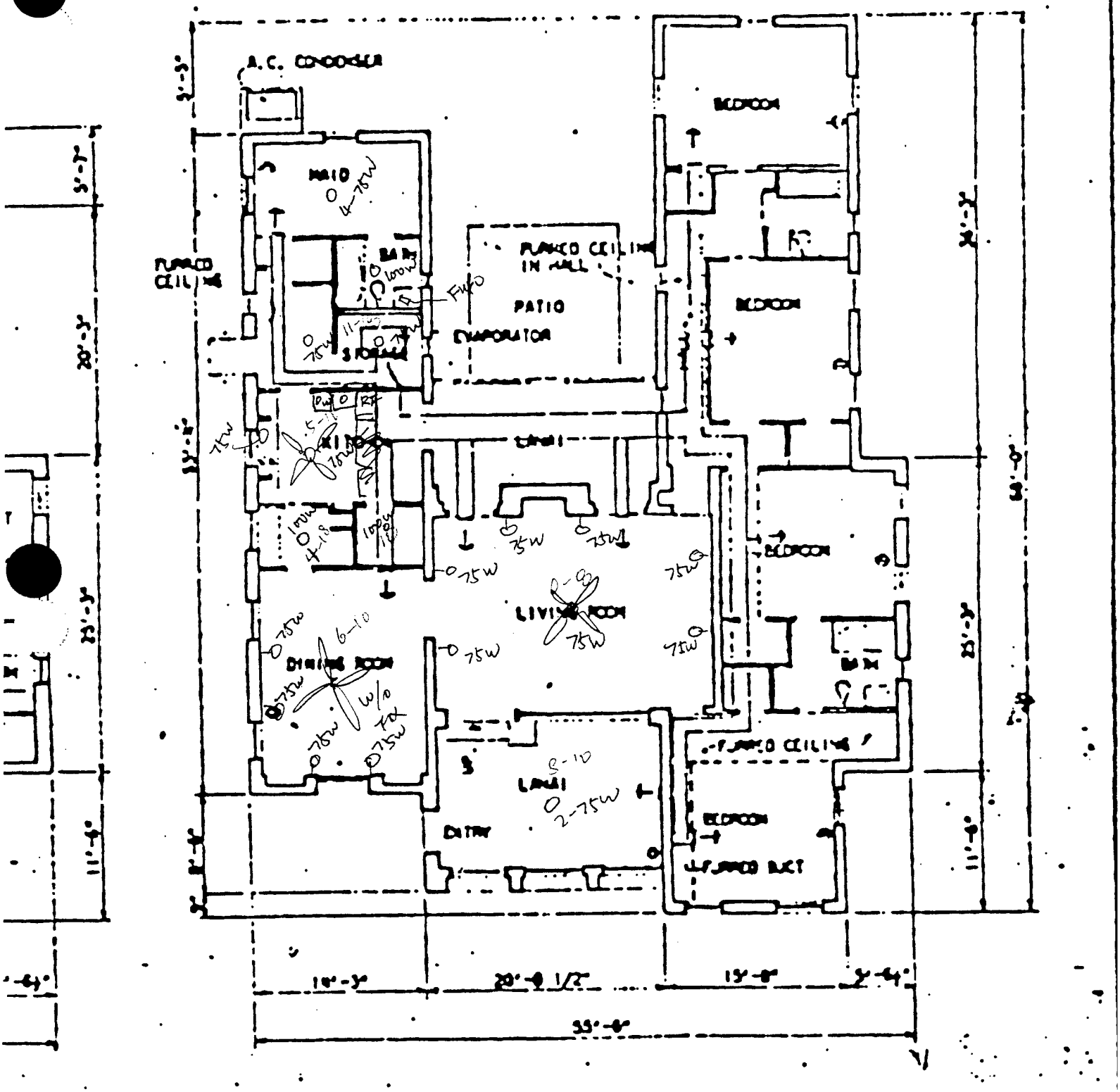
Type 32 - III

FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 603, 604, 605, 608
610, 612, 620, 634

Type 32 - IV

REVISIONS
FAMILY HOUSING
DIRECTORY DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS SCOFIELD BARRACKS AREA F
FLOOR PLANS TYPE 3 - 3 BR
SCHOFIELD BARRACKS Oahu, Hawaii
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS



FLOOR PLAN - TYPE
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 609, 609, 609, 609
610, 612, 630, 633

Type 32 - IV

REVISIONS
FAMILY HOUSING
BLOCKTHRU DATA FOR AIR CONDITIONING PROJECTS
OFFICE QUARTERS SCHOFIELD BARRACKS HAWAII

Date: 1/11/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 610

Building Type: 32-IV

Apartment: _____

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 3 pm

No. of Occupants: 6

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 9

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL same as 602

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Conc. Wall

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Conc. (some rooms)

plaster (some)

wood

asphalt shingles

Inside Film

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

same as 6.02

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

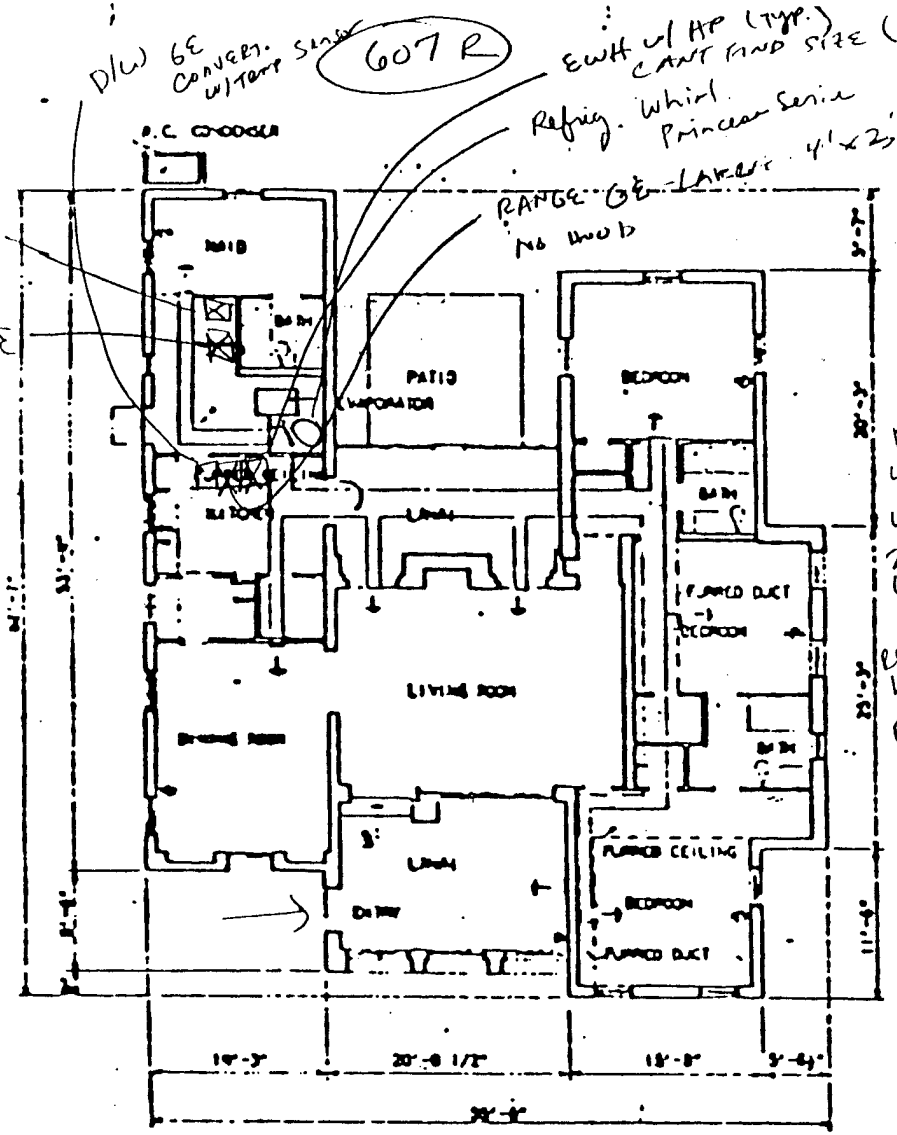
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub Sk	3ℓ/10S	118F	
Maid's Room Shower	1ℓ/10S	112F	

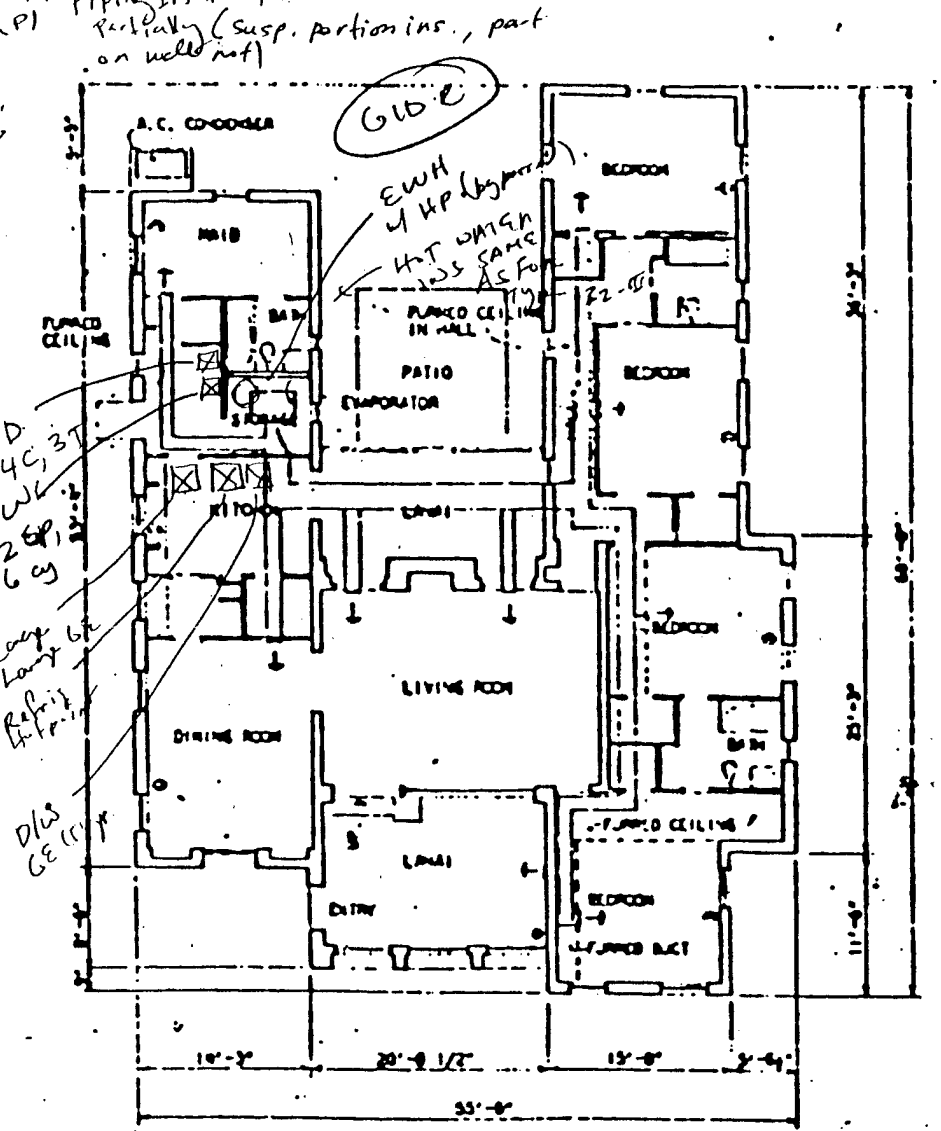


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
601, 603, 605, 607, 609
611, 613, 615, 617, 619
621, 623, 625, 627, 629
631, 633, 635, 637, 639

SEE SITE PLAN SHEET (33) FOR LOCATION

Type 32-III

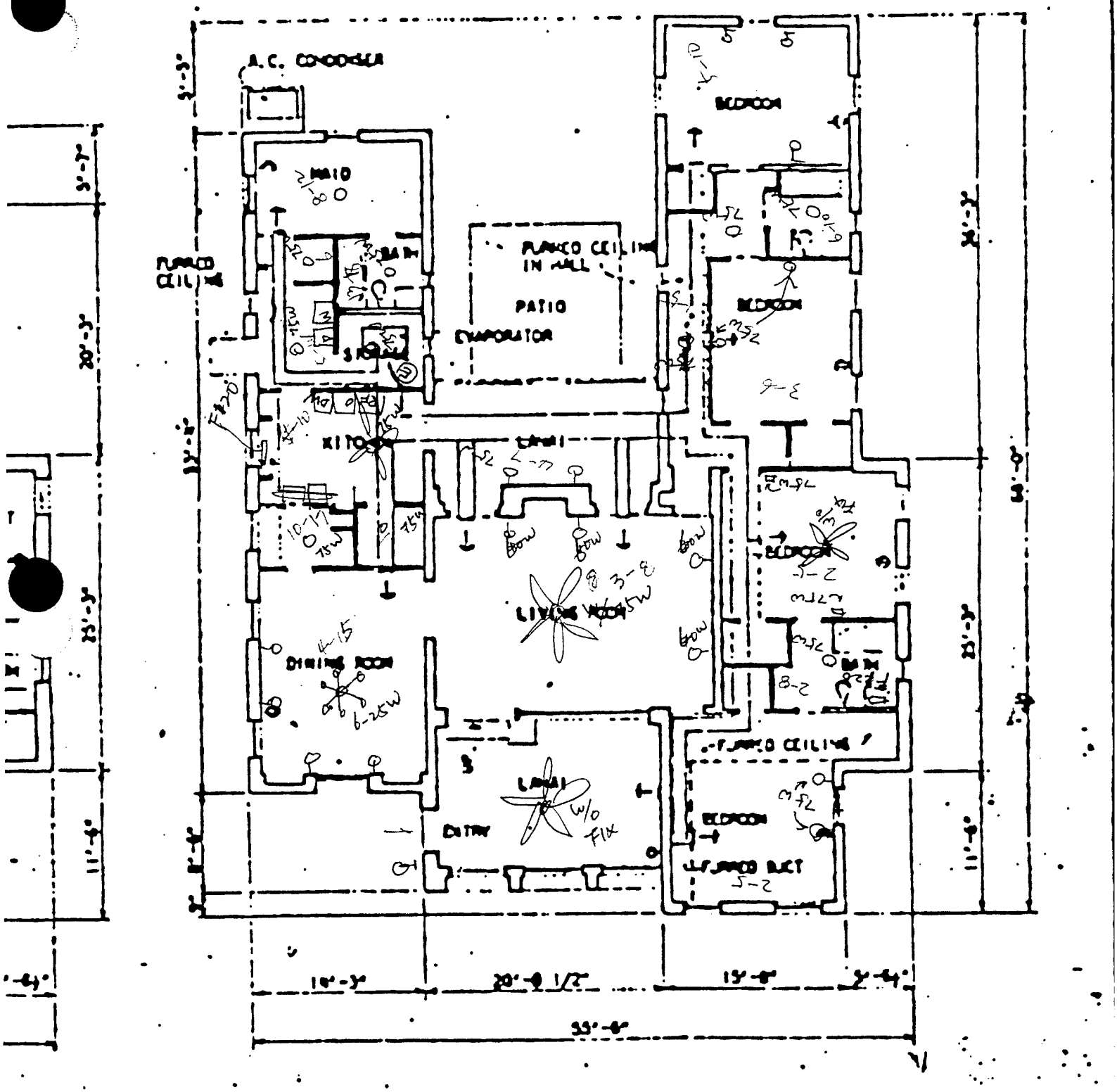


FLOOR PLAN - 3 BR
SCALE 1/8" = 1'-0"

BUILDING NUMBERS
608, 610, 612, 614, 616
618, 620, 622, 624, 626

Type 32-IV

REVISIONS
FAMILY HOUSING
PRELIMINARY DATA FOR AIR CONDITIONING PROJECTS
OFFICER QUARTERS SCOFIELD BARRACKS, HAWAII — AREA F
FLOOR PLANS — TYPE 3 and 3 BR
SCHOFIELD BARRACKS — OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN



FLOOR PLAN - 1 BR
SCALE 1/8" = 1'-0"

610

BUILDING NUMBERS
608, 609, 604, 605, 606
610, 612, 630, 633

Type 32 - IV

REVISIONS
FAMILY HOUSING
BLOOMTRAN DATA FOR AIR CONDITIONING PROJECTS
OFFICE QUARTERS SCOFIELD BARRACKS, HAWAII

UNIT TYPE 57-I

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 802

Building Type: 57-I

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: 3 or 4

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 2 or 3 times week

Remarks: _____

2.0 ARCHITECTURAL

crawl space under house available ~3'

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood Wall

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood Roof

Asphalt Shingles

Inside Film

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 160 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

d. Is Piping System Insulated and Condition: good Armaflex
Insulation Thickness: 1"

e. Is Hot Water Circulated? NO

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location laundry Room
b. Areas Served ALL
c. Manufacturer and Model Hoyt Model FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities:
1) Storage ✓
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 66 gal

g. Heating Capacity 2250W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition Good
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

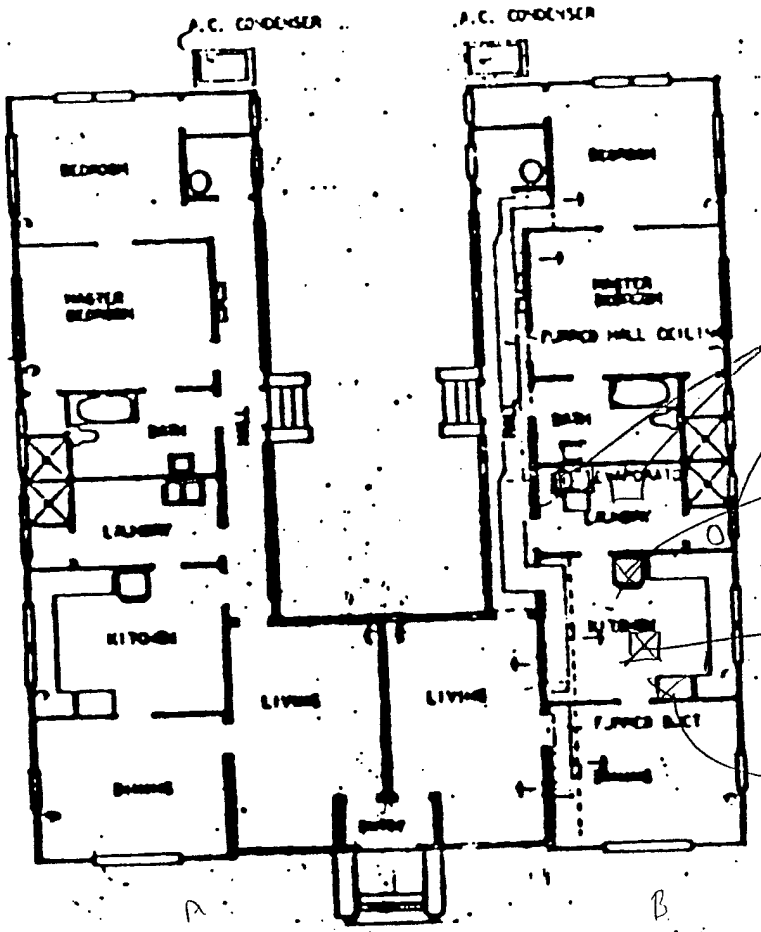
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	4ℓ/10s	160°F	
Shower	2ℓ/10s	142°F	



Whirlpool
2 SP Cap
W/D — 5 cycle, 3 Temp
66 gal EWH
4 Hr Recovery Type

Refrig.
Gibson
Frost Clear

D/W
GE
Convertible
4 Temp. Sensor

Range
GE
No Hood

Type
57-1B
802B

BUILDING NUMBERS

AREA D 808
SEE SITE PLAN SHEET (E) FOR LOCATION

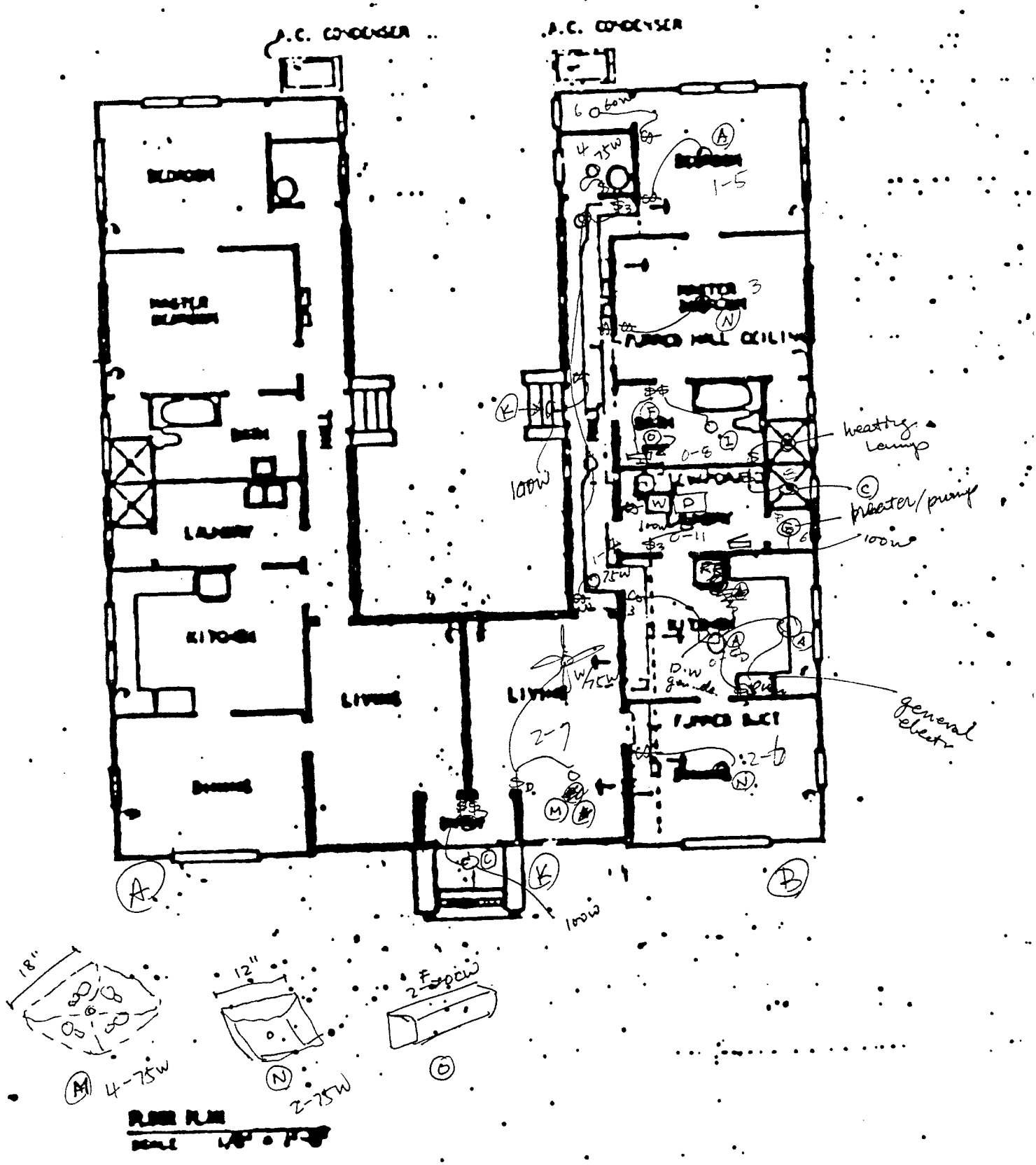
AREA I 736
SEE SITE PLAN SHEET (H) FOR LOCATION

AREA J 802, 818, 835
SEE SITE PLAN SHEET (J) FOR LOCATION

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

0' 4' 8' 12' 16'

REVISIONS
FAMILY HOUSING
BLOCKTAPE DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D, I AND J
FLOOR PLAN 2 BR (DUPLEX) TYPE
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN DIVISION CORPS OF ENGINEERS HONOLULU, HAWAII


A.C. CONDENSER
A.C. CONDENSER
BEDROOM
MASTER BEDROOM
BATH
LAUNDRY
KITCHEN
LIVING
DINING
LIVING
DINING
FAMILY HALL CEILING
6 60W
4 75W
A
1-5
3
N
K
100W
F
O
I
0-8
heating lamp
W
D
C
heater/pump
100W
0-11
1-
75W
3
A
D
4
D.W. of garde
W
75W
general electric
2-7
2-6
M
K
100W
B
A
18"
12"
2 F 20 CW
M 4-75W
N 2-75W
O
FLOOR PLAN
SCALE 1/4" = 1'-0"
802 B

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 814

Building Type: _____

Apartment: A 2

No. Bedrooms: _____

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 2

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL

same as 802

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ____ No ____

Tinted ____/____

Reflective Coating ____/____

3.0 HOT WATER SYSTEM

same as 302

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

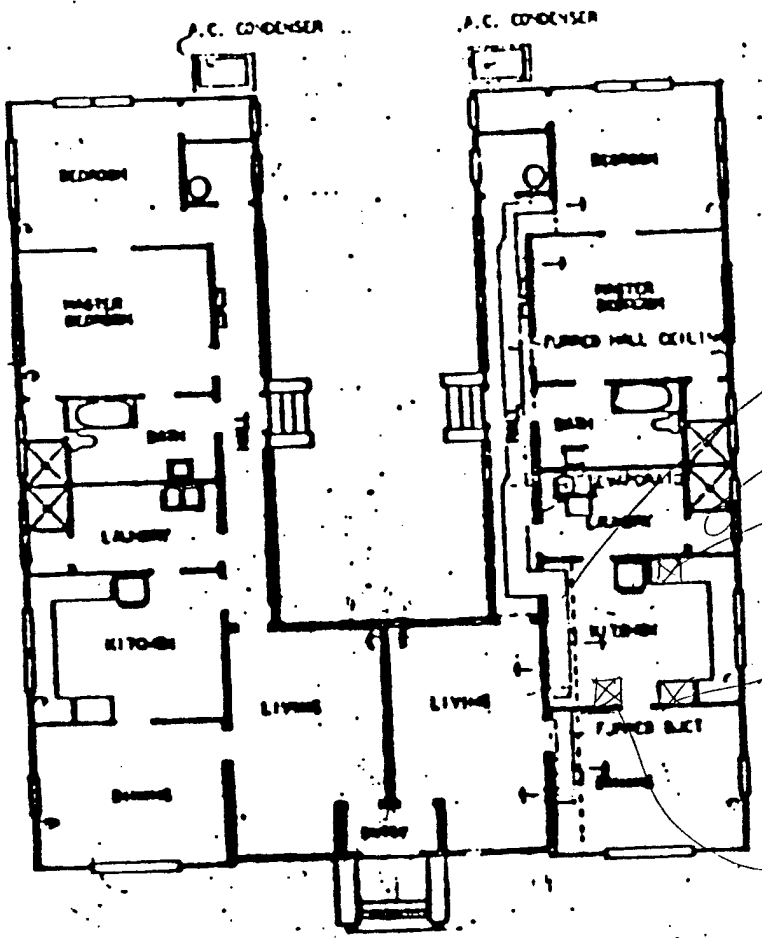
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Sk	3.5l/10s	120F	
Bathroom Shwr	3l/10s	118	

814A



Duct work ext. Sht.
Not present
66 gal ewh w/ HP some
range no hood
Sunray
no insul.

Type 57-1

D/W
GE

Gibson

HW heater under house one insul.

BUILDING NUMBERS

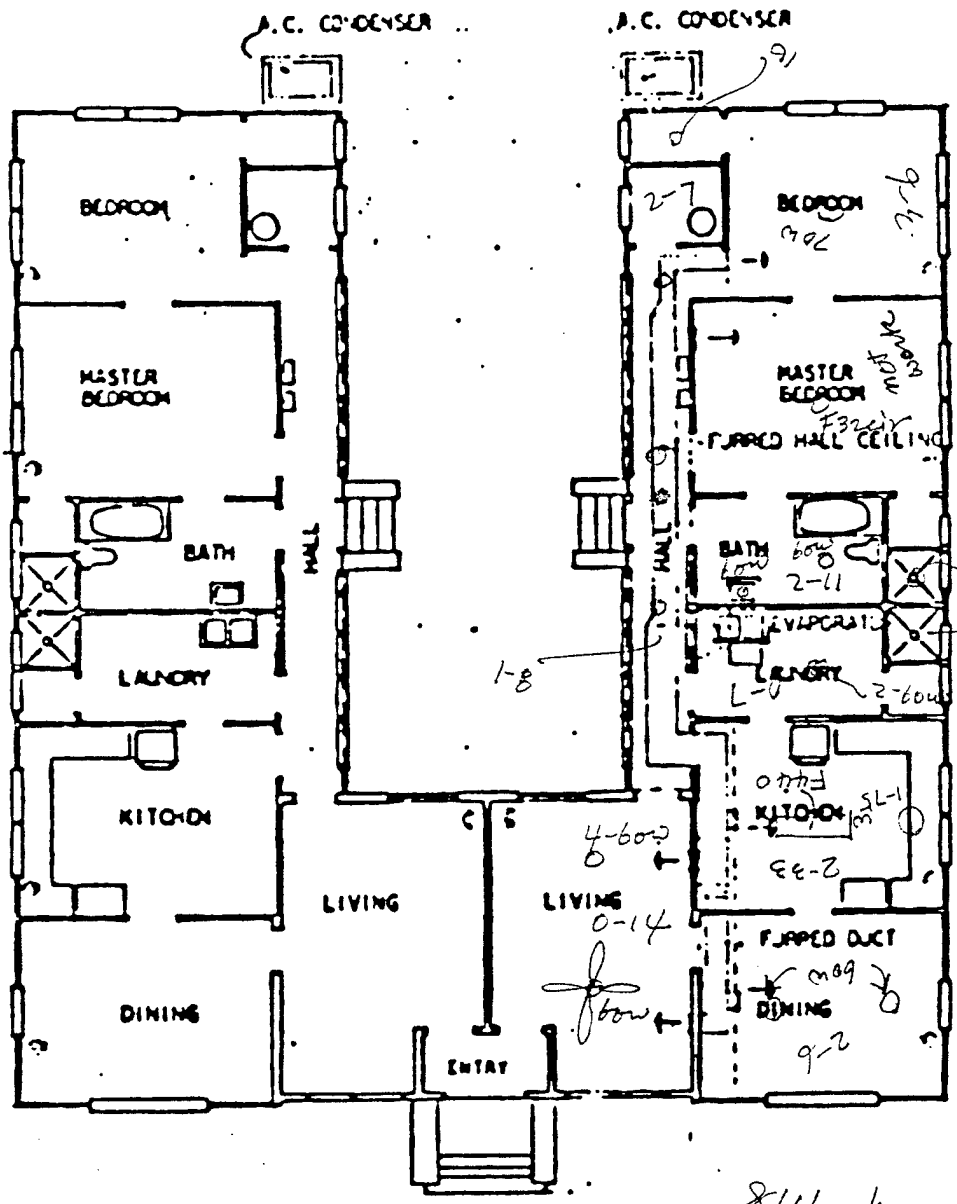
AREA D 809
SEE SITE PLAN SHEET (2) FOR LOCATION

AREA I 736
SEE SITE PLAN SHEET (4) FOR LOCATION

AREA J 802, 818, 833
SEE SITE PLAN SHEET (5) FOR LOCATION

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

REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D, I AND J
FLOOR PLAN 2 BR (DUPLEX) TYPE 1
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN DIVISION CORPS OF ENGINEERS HONOLULU, HAWAII



814 A

TYPE 57-I

FLOOR PLAN
SCALE 1/8" = 1'-0"

Date: 1/16/90
Prepared By: LK

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 835

Building Type: 57-I

Apartment: B

No. Bedrooms: 2

Area: J

Address: _____

Telephone No.: _____

Occupied Hours: from 6 pm

No. of Occupants: 2

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1/2 (every other day)

Remarks: _____

2.0 ARCHITECTURAL

same as 802

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood wall

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Wood Roof

Asphalt Shingles

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

Same as 802

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

___✓___ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: No
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Closet in Laundry Room
b. Areas Served all
c. Manufacturer and Model Hoyt
d. Energy (Oil, Gas, Electric, Coal, Etc.) E 2250 Watt
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 66 gallon

g. Heating Capacity 2250 Watt
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate Yes
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

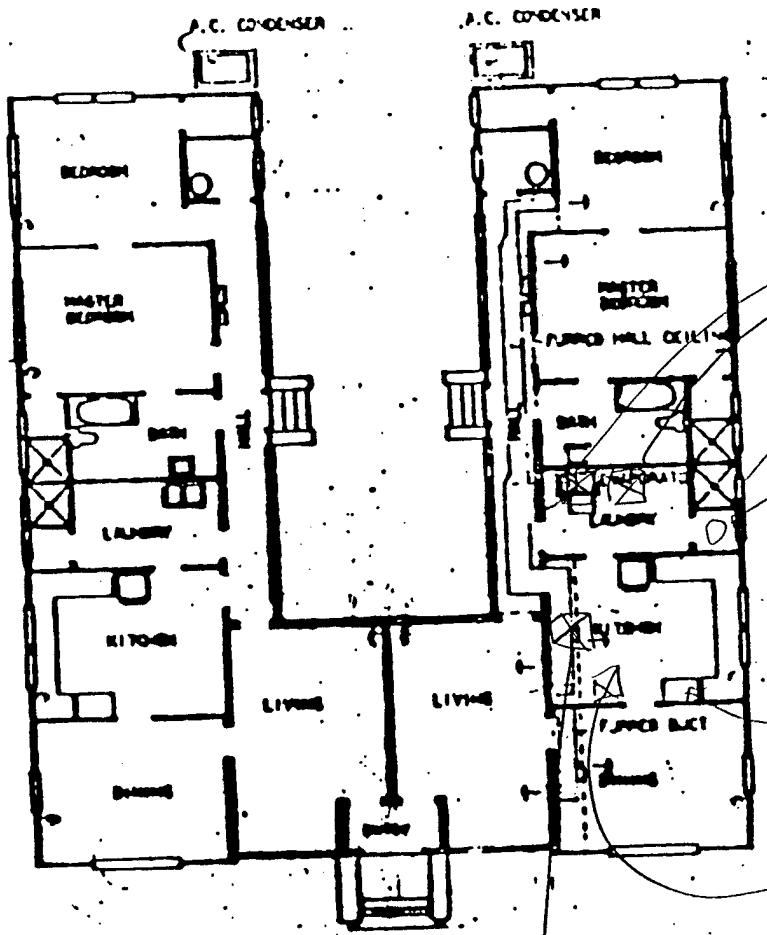
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Laundry Tub	2.5 l/10s	110°F	



W/ white 2 sp, 7 cycl
D White Westinghouse.

wood air storage

EWH w/ tr same type GE gal

Range - No Model. Type 57-1

No Hood

835B

Dish/wash GE typ

Lifting Gibson Frost Clear

BUILDING NUMBERS

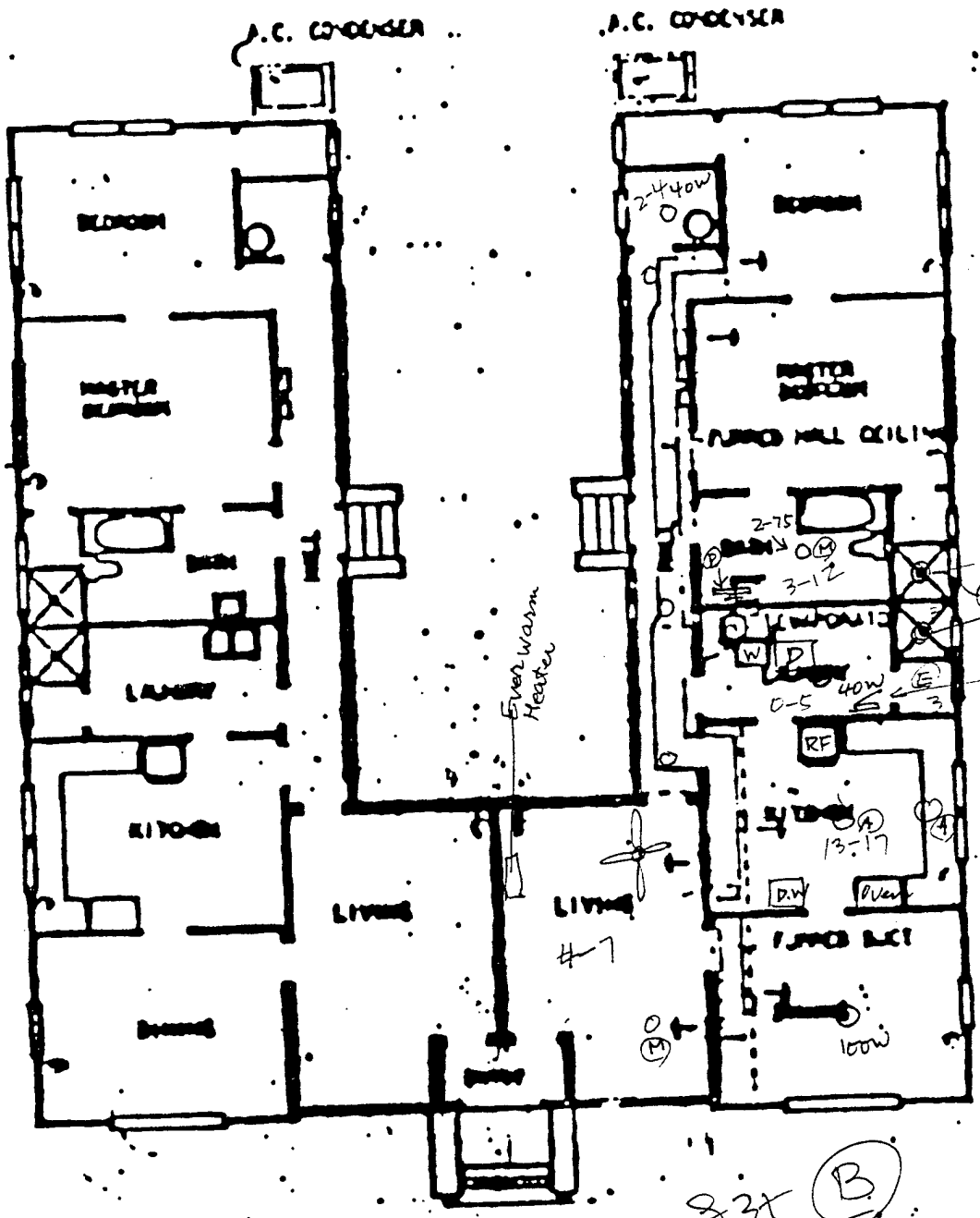
AREA D 1109
SEE SITE PLAN SHEET (D) FOR LOCATION

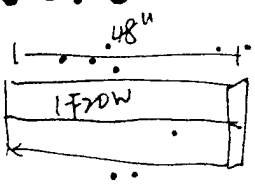
AREA I 736
SEE SITE PLAN SHEET (H) FOR LOCATION

AREA J 802, 818, 833
SEE SITE PLAN SHEET (J) FOR LOCATION

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

REVISIONS
FAMILY HOUSING
BLOCKTAPE DATA FOR AIR CONDITIONING PROJECTS
OFFICERS' QUARTERS SCHOFIELD AREAS D, I AND J
FLOOR PLAN 2 BR (DUPLEX) TYPE 1
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII


A.C. CONDENSER
A.C. CONDENSER
BEDROOM
MASTER BEDROOM
BATH
LAUNDRY
KITCHEN
LIVING
DINING
LIVING
#7
Even warm Heater
2-40W
BEDROOM
MASTER BEDROOM
2-75
3-12
3-7
W
D
0-5
40W
3
200A MAK
120/240 1Φ, 3W
RF
13-17
D.W
Oven
100W
B
8.3


48"
17.20W

(B)

UNIT TYPE 57-II

Date: 11/15/90

Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3401 A

Building Type: 57-II

Apartment: _____

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc. Wall		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc. Roof		
BUR.		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
110 °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Yes
Insulation Thickness: 1"

e. Is Hot Water Circulated? NO

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Outside Storage
b. Areas Served Entire Unit
c. Manufacturer and Model Hoyt FES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities: ✓
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 1 Gal

g. Heating Capacity 2250W

h. Type Controls (Air, Steam, Electric) E

i. When Installed & Condition _____

j. Heater Temperature Setting _____

k. Average Water Maintained Temperature _____

l. Temperature Differential (j) - (k) _____

m. Is Hot Water Supply Adequate _____

n. Insulation Thickness _____

o. Insulation Material _____

p. Timeclock and Hrs Set None

3.3 HW USING APPLIANCES

a. Dishwasher

see plan

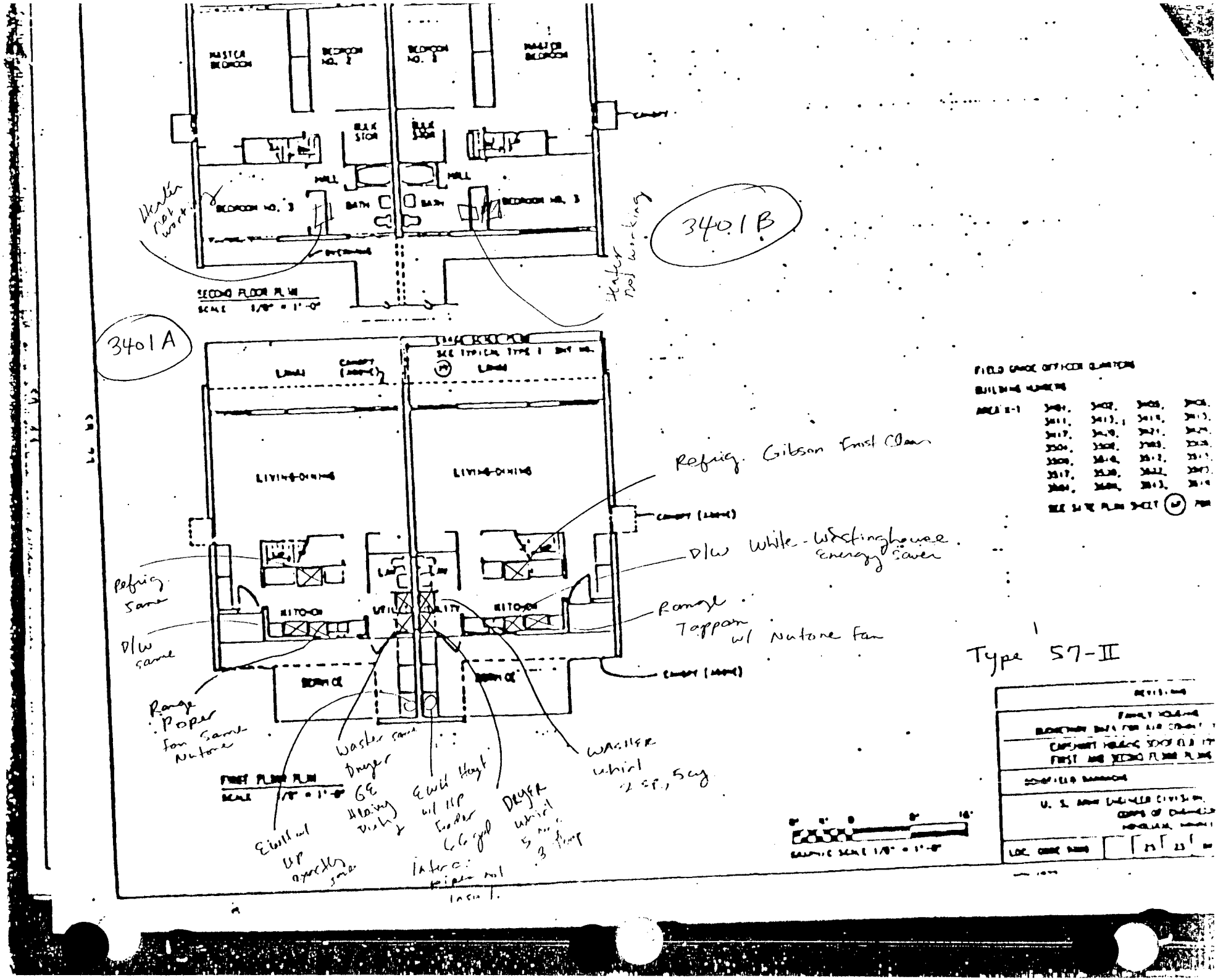
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

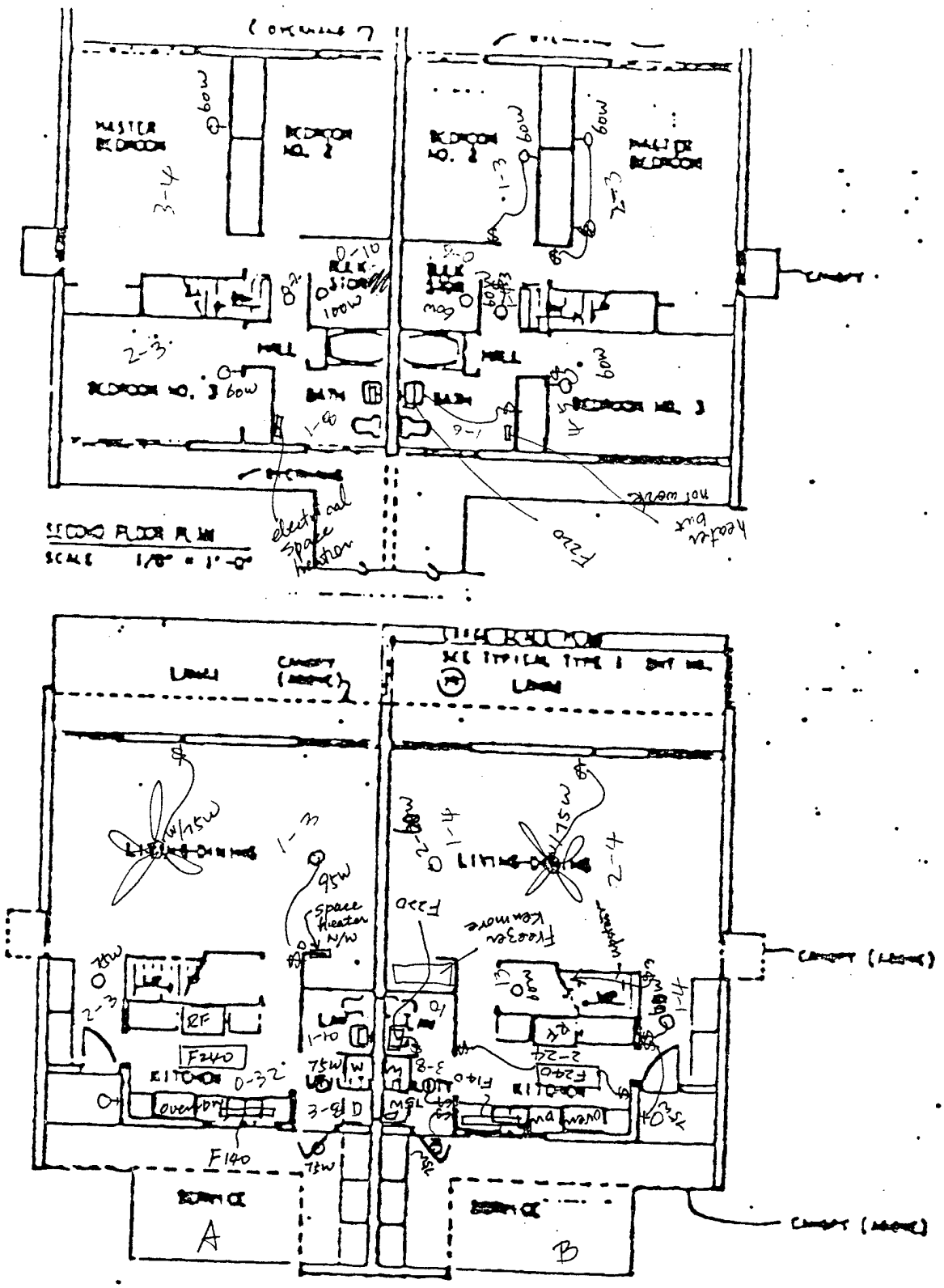
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	2l/10s	110F	
Bathroom Shwr	4l/10s	108F	Normal Head


MASTER BEDROOM
BEDROOM NO. 2
BEDROOM NO. 1
MASTER BEDROOM
BULK STOR
BULK STOR
HALL
HALL
BEDROOM NO. 3
BATH
BATH
BEDROOM NO. 3
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
Water Htr working
3401B
3401A
LIVING-DINING
LIVING-DINING
KITCHEN
KITCHEN
BEDROOM
BEDROOM
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
Refrig. Gibson Frost Clean
D/W White-Westinghouse Energy Saver
Refrig same
D/W same
Range Tappan w/ Nutone Fan
Range Proper for Same Nutone
Washer same
Dryer
GE Heating Units
Elec wtr htr
Elec Htr w/ HP Heater
Dryer wtr htr
Type 57-II
WASHER wtr htr
2 CF, 5 cy
3 Temp
Interior
SCALE 1/8" = 1'-0"



57 - II

(3401), 3402, 3405.
3406, 3410, 3411
3413, 3414.

Date: 1/15/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3401

Building Type: 57-II

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

Same as 34-1A

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

CMU _____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

Conc. _____

BUR ? _____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

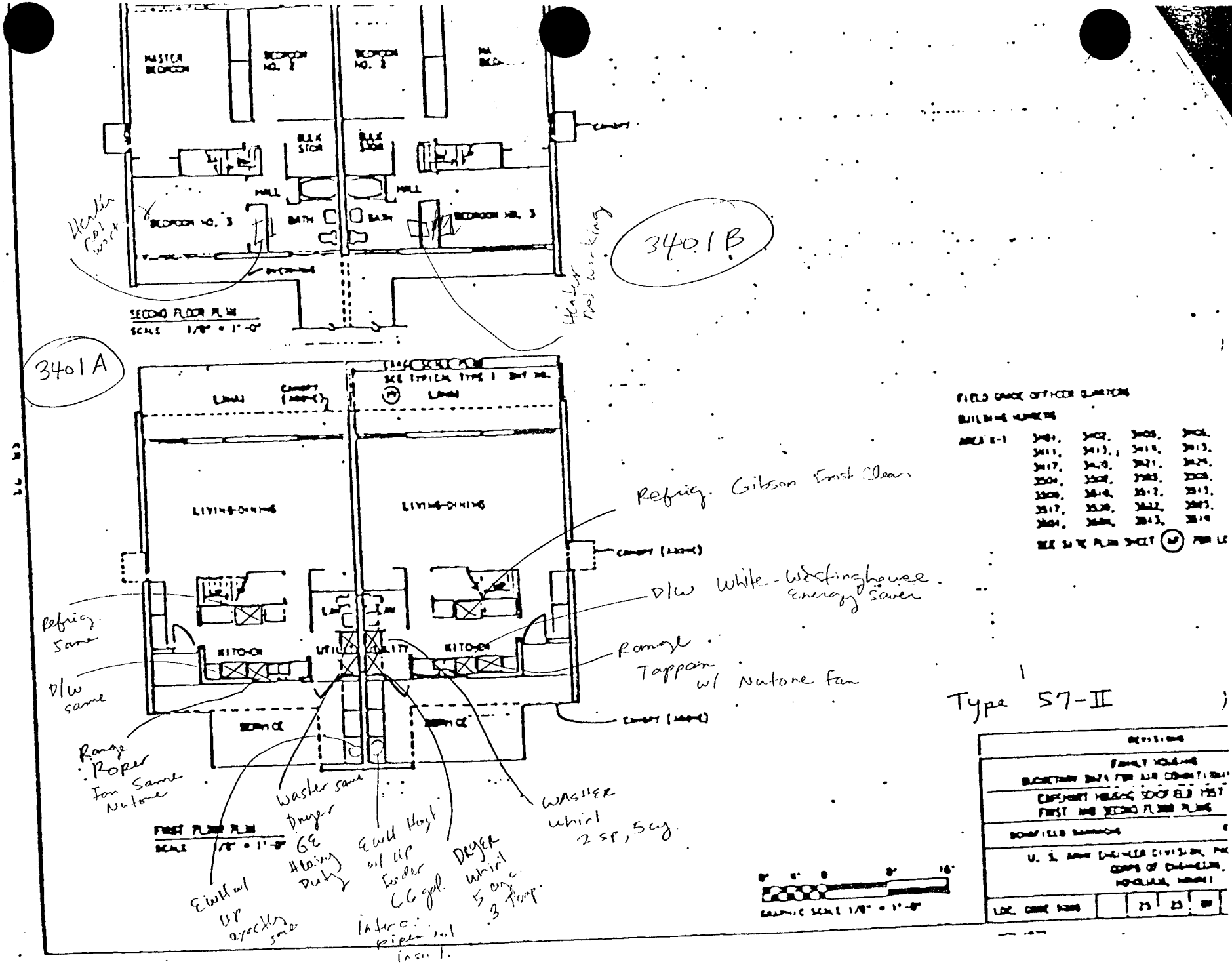
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

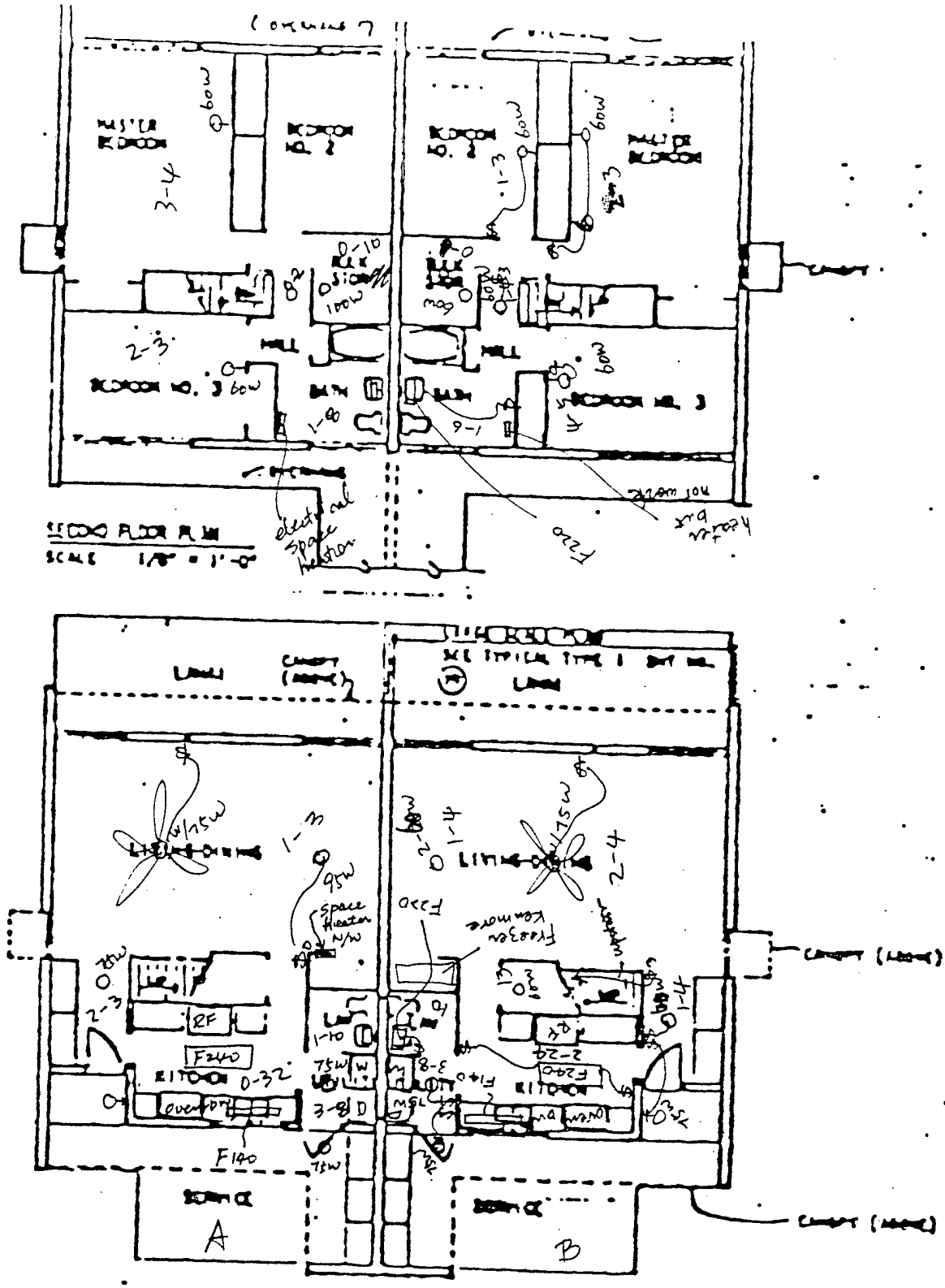
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT. SK.	2ℓ/10s	166F	
Bathroom Show.	1ℓ/10s	100F	Teledyne Water Pick, Super Saver Head


3401B
3401A
Heater not working
Heater not working
Refrig. Gibson Frost Clear
D/W White-Westinghouse Energy Saver
Refrig. same
D/W same
Range Tappan w/ Nutone Fan
Range ROPER Fan Same Nutone
Washer same
Dryer GE Heavy Duty
Ewell w/ UP Feeder 66 gal.
Dryer whirl 5 cycle 3 Temp
WASHER whirl 2 SP, 5 cy
Ewell w/ UP recycles same
Interior pipes not insul.
Type 57-II
SECOND FLOOR PLAN
FIRST FLOOR PLAN
FIELD OFFICE OPERATIONS
BUILDING NUMBERS



57 – II

(3401), 3402, 3405.
3406, 3410, 3411
3413, 3414.

Date: 1/15/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3402

Building Type: 57-II

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction same as 340.1A

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM

same as 3.1.A

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

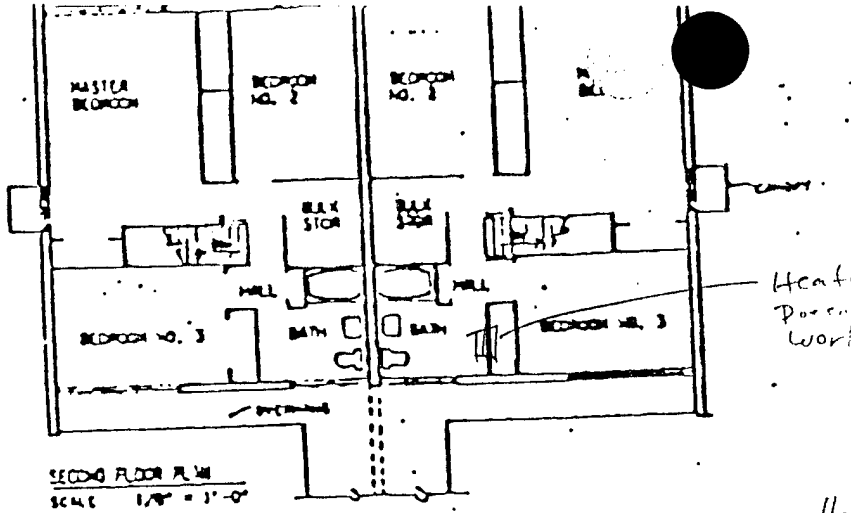
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

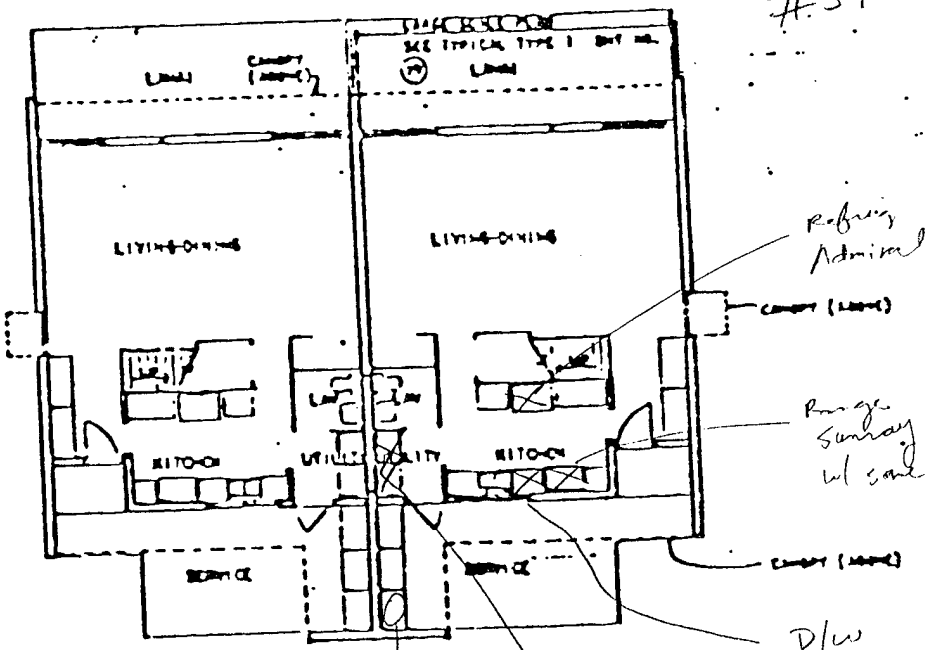
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. SK	2½ 0s	126F	Faucet head added on
Bathtub Shwr	1½ 0s	110F	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

#3402 B



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 57-II

FIELD CHECK OFFICE LOCATIONS

BUILDING NUMBERS

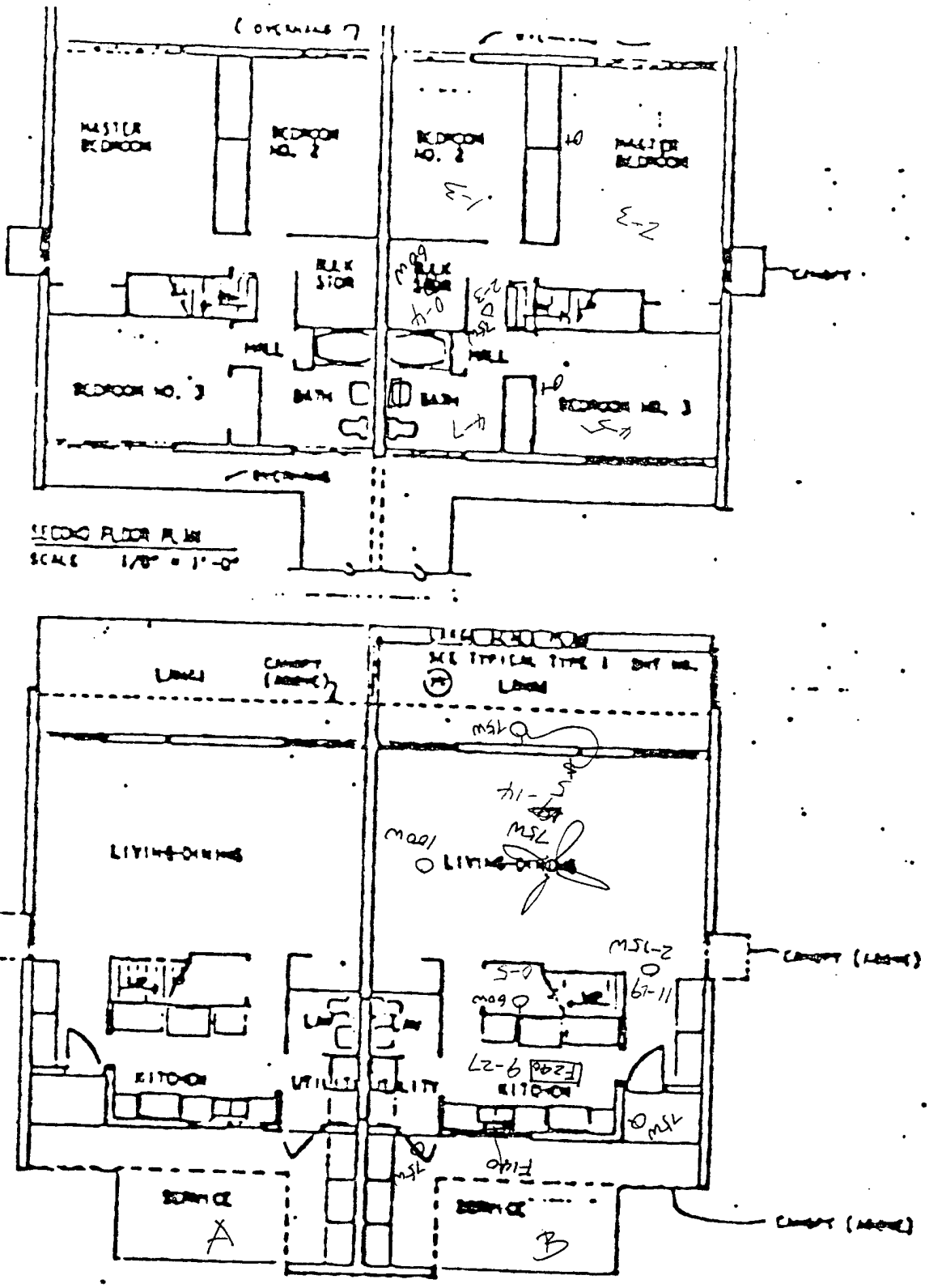
AREA K-1 3401, 3402, 3405, 3406,
3411, 3413, 3414, 3415,
3417, 3420, 3421, 3425,
3504, 3505, 3506, 3508,
3509, 3510, 3512, 3513,
3517, 3518, 3522, 3523,
3601, 3602, 3603, 3604

SEE SITE PLAN SHEET (W) FOR LOCATION

GRAPHIC SCALE 1/8" = 1'-0"

U. S. ARMY ENGINEER DIVISION, PACIFIC
CORPS OF ENGINEERS,
HONOLULU, HAWAII

LOC. CHECK NAME



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

57 - II

3401, 3402, 3405.
3406, 3410, 3411
3413, 3414.

Date: 1/15/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3405

Building Type: 57-II

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY, EVERY OTHER DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM

Same as 3401A

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 128 °F
____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

____

____

____

d. Is Piping System Insulated and Condition: ____
Insulation Thickness: ____

e. Is Hot Water Circulated? ____

1) Condition of circular ____
2) Circulator capacity ____
3) Is aquastat provided?
4) Aquastat temperature setting ____
5) Mfg/Model ____
6) Electrical Data ____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location ____
b. Areas Served ____
c. Manufacturer and Model ____
d. Energy (Oil, Gas, Electric, Coal, Etc.) ____
e. Type Heaters & Quantities:
1) Storage ____
2) Instantaneous ____
3) Semi-Instantaneous ____
f. Heater Size and Storage Capacity ____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

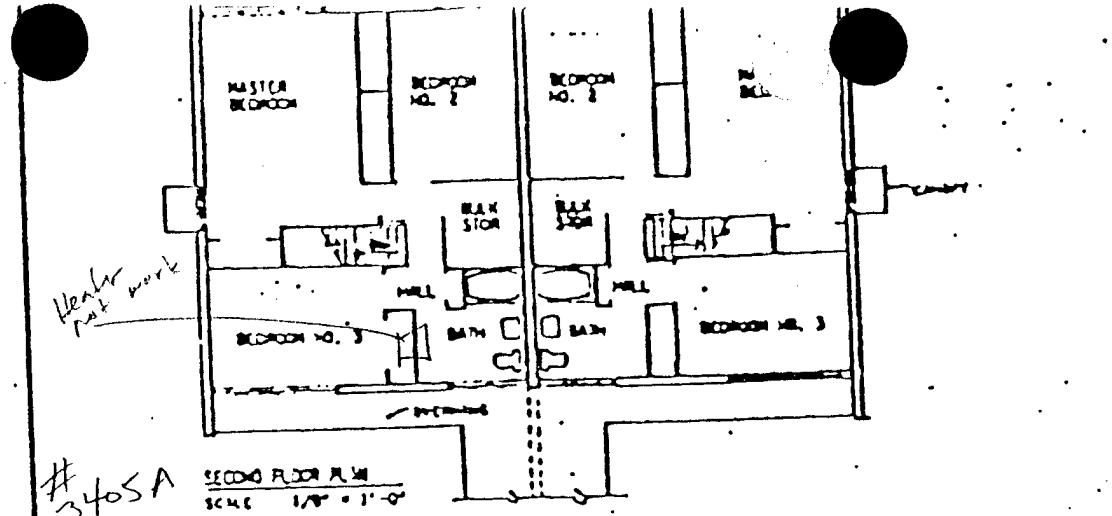
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

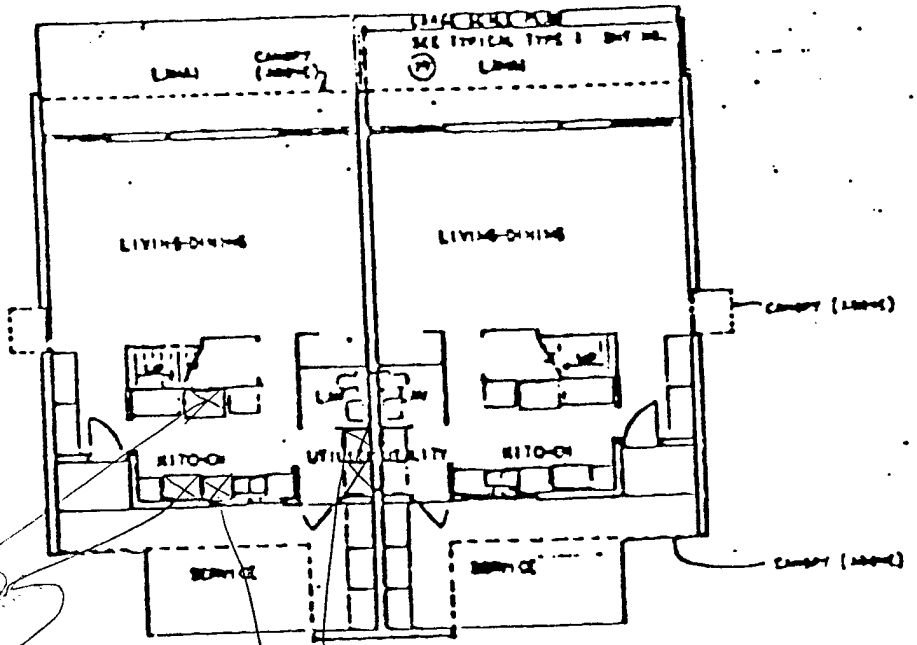
Fixture	Flow	Water Temp.	Remarks
Kit. Sk.	1.5 ℓ/10S	128F	Diff faucet head
Bathroom Shwr	2ℓ/10S	110F	Shwr Massage Head by Water Pik



Heater mat work

#3405A

SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



Refrig Cabinet

Range Oven Maker for same

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

D/w same

D. whirl 4 cy, 37
W " 2 sp, 6 cy.

FIELD CHECK OFFICER SIGNATURES

BUILDING NUMBERS

AREA I-1 3401, 3402, 3405, 3406, 3411, 3412, 3415, 3416, 3417, 3420, 3421, 3424, 3504, 3505, 3508, 3509, 3509, 3510, 3512, 3513, 3517, 3520, 3522, 3525, 3604, 3605, 3613, 3614

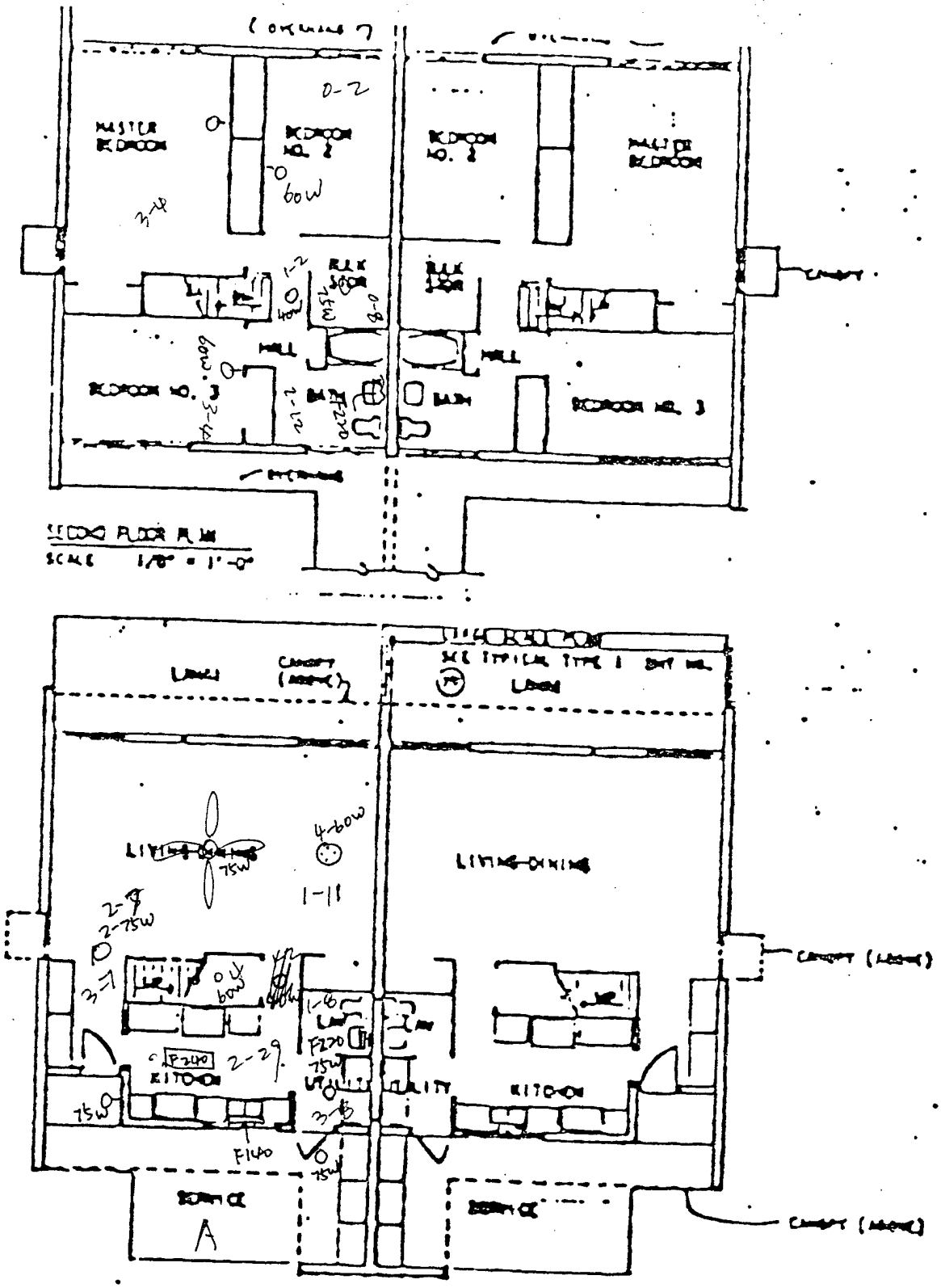
SEE SITE PLAN SHEET (W) FOR LI

Type 57-II

GRAPHIC SCALE 1/8" = 1'-0"

LOC. CHIEF NAME		25	23

U. S. ARMY ENGINEER DIVISION, PAC
CORPS OF ENGINEERS,
HONOLULU, HAWAII



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

57 - II

3401, 3402, 3405,
3406, 3410, 3411
3413, 3414.

Date: 1/15/90

Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3406

Building Type: 57-II

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Same as 3401A

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

same as 3401A

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

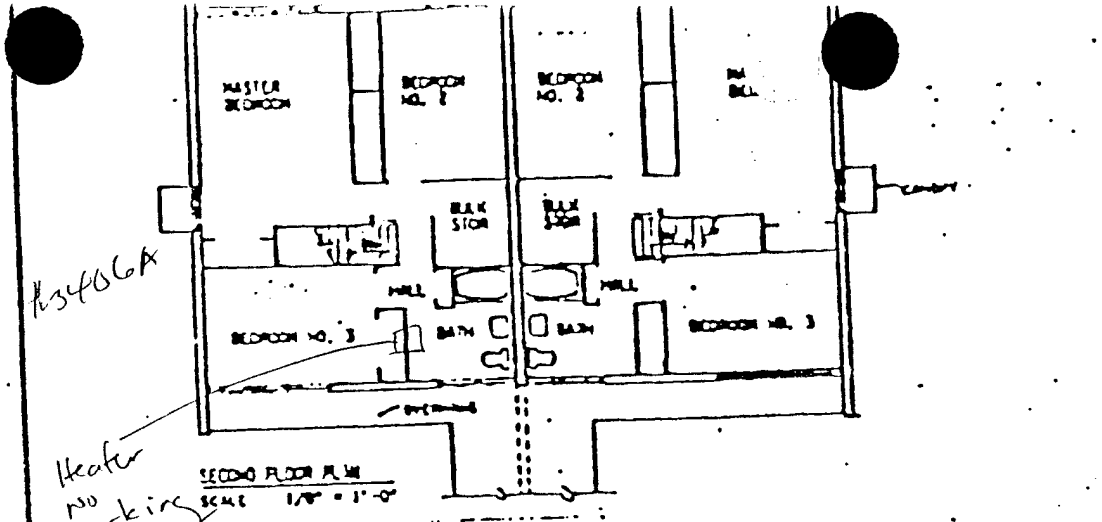
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

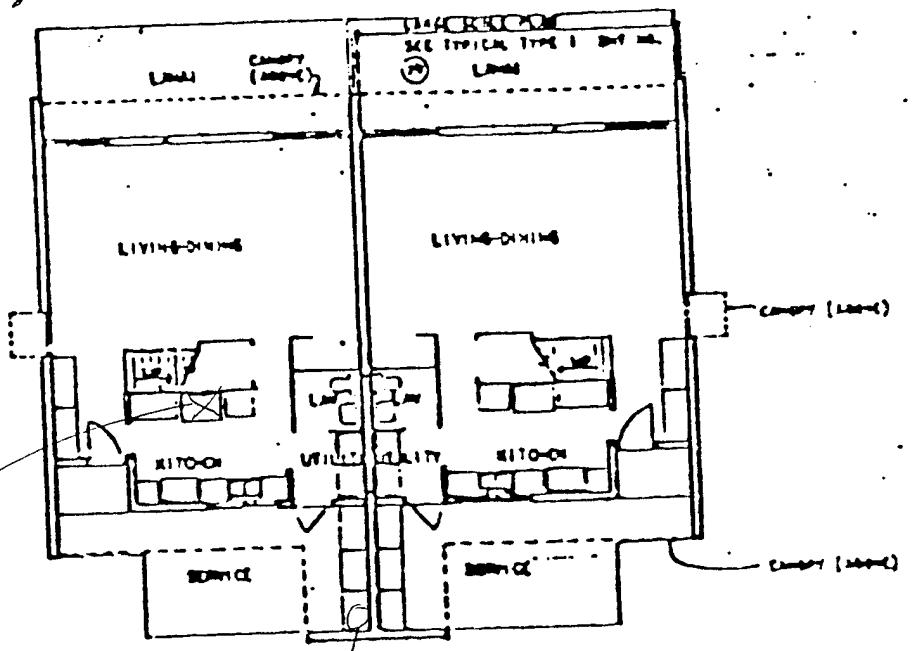
Fixture	Flow	Water Temp.	Remarks
Kit SK	2l/10s	128	
Bathroom Shwr	1l/10s	114F	



#34406A

Heater not working

SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



Replace some

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

EWH
66 gal ran
HP Bypassed

FIELD CHECK OFFICE DESIGNATION

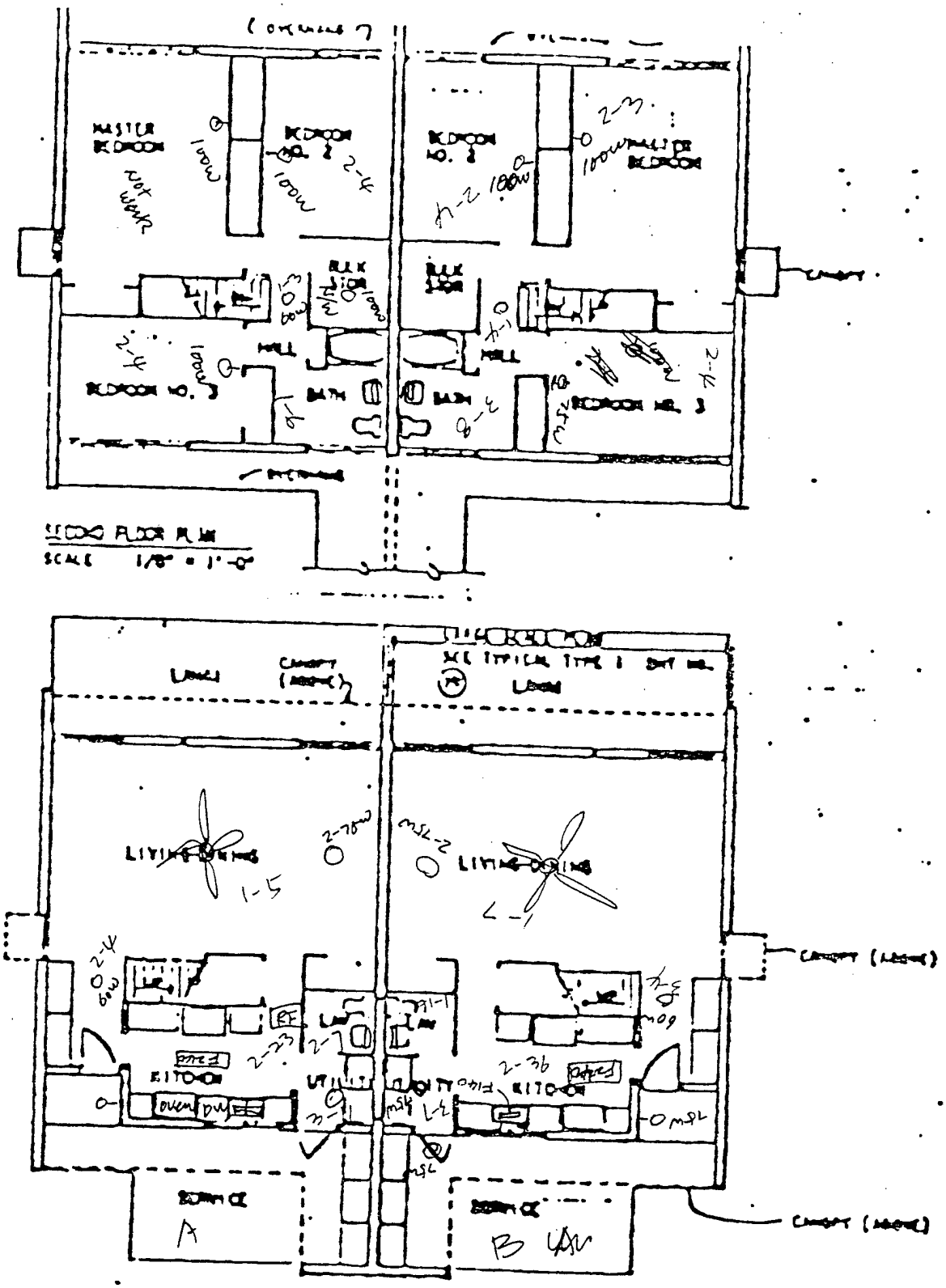
BUILDING NUMBERS

AREA X-1 3401, 3402, 3405, 3406,
3411, 3412, 3414, 3415,
3417, 3419, 3421, 3425,
3501, 3502, 3503, 3504,
3509, 3510, 3511, 3512,
3517, 3518, 3522, 3523,
3524, 3525, 3513, 3514

SEE SITE PLAN SHEET (A) FOR LO

Type 57-II

REVISIONS	
FAMILY HOUSING	
BUDGETARY UNITS FOR FAR COMMITMENT	
DEPARTMENT HEADING SHOP FIELD TEST	
FIRST AND SECOND FLOOR PLANS	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, PACIFIC	
CORPS OF ENGINEERS,	
HONOLULU, HAWAII	
LOC. CHECK NUMB	25 23



57 - II

3401, 3402, 3405.
3406, 3410, 3411
3413, 3414.

Date: 1/15/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3406

Building Type: 57-II

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

same as 3401A

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM

same as 3401A

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

✓ ____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

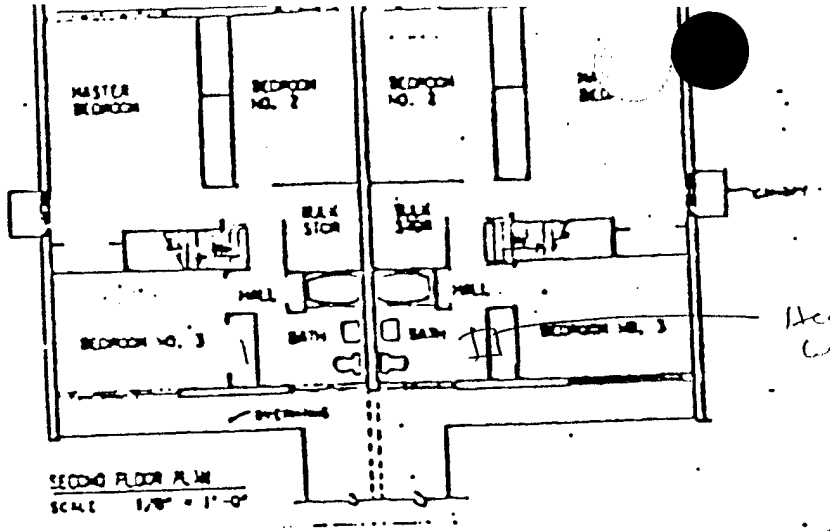
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

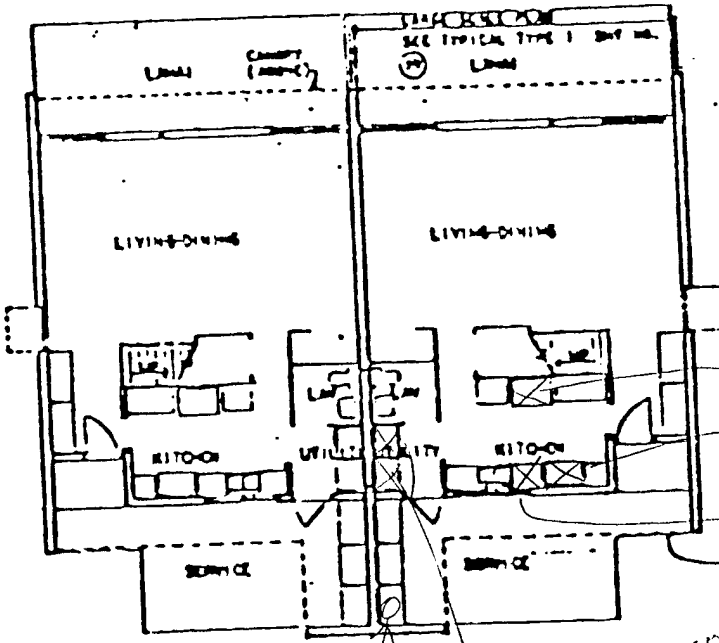
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	2l/10s	120F	
Bathroom SHWR	3l/10s	120F	



Heater Not working

3406 #B



Refrig Same

Range Vent. w/ same for D/W — same

EWH Same

W-whirl 1½ 2 spd Kenmore (Sears) 3 cycle D

FIELD CHECK OFFICE DIMENSIONS

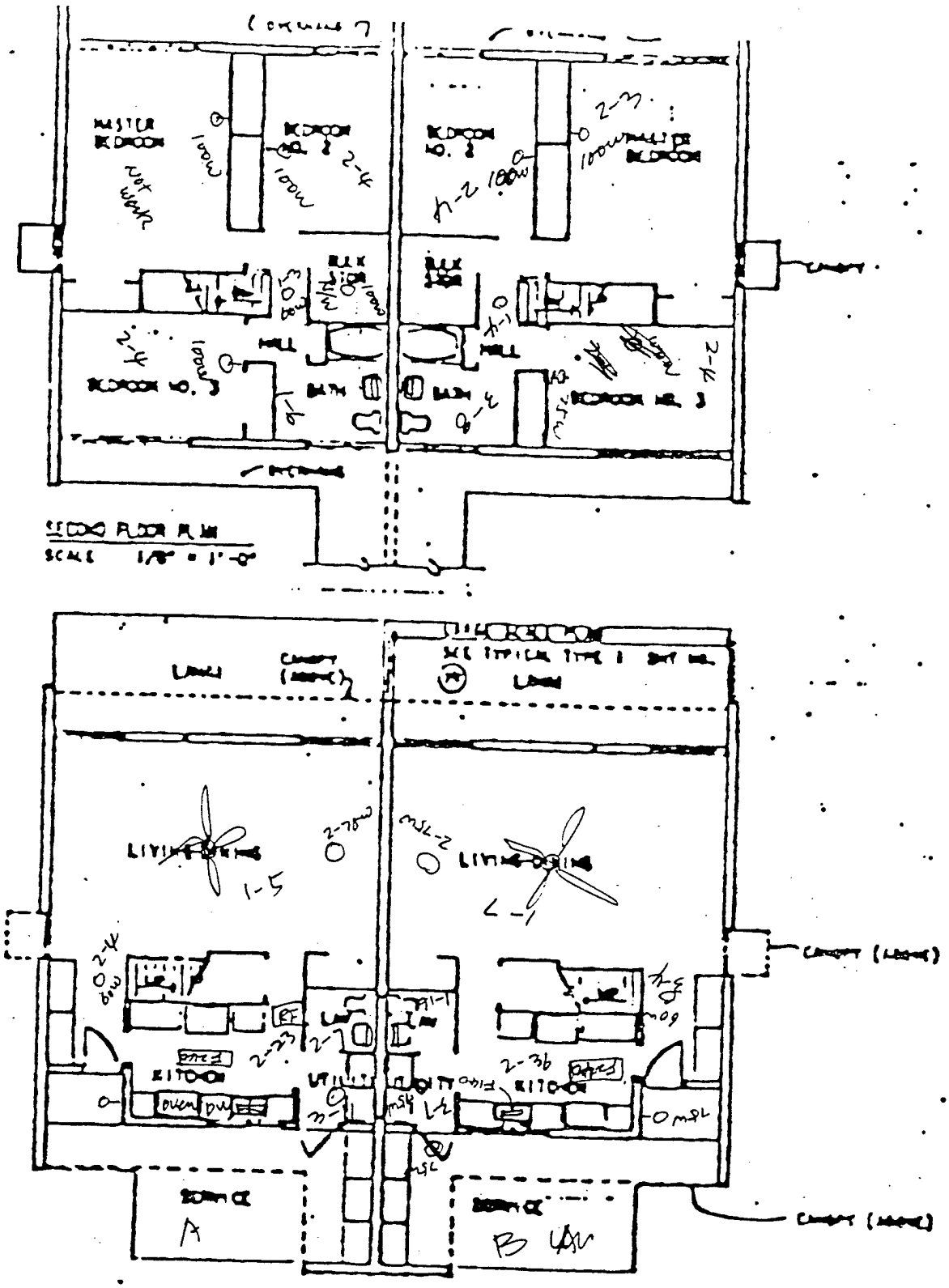
BUILDING NUMBERS

AREA K-1 3401, 3402, 3403, 3404, 3411, 3412, 3413, 3414, 3417, 3420, 3421, 3425, 3501, 3502, 3503, 3504, 3509, 3510, 3512, 3513, 3517, 3518, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534

SEE SITE PLAN SHEET (W) FOR LO

Type 57-II

REVISIONS	
FAMILY HOUSING	
BLOCKTOWN DWG FOR AIR CONDITIONI	
CARPORT HEADS SCOPE ELE PROT	
FIRST AND SECOND FLOOR PLANS	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS, HONOLULU, HAWAII	
LOC. CODE 1000	25 23



57 – II

3401, 3402, 3405.
3406, 3410, 3411
3413, 3414.

UNIT TYPE 57-III

Date: 1/16/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3403A

Building Type: 57-III

Apartment: 3

No. Bedrooms: _____

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

Same as 57-II

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

__✓__ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

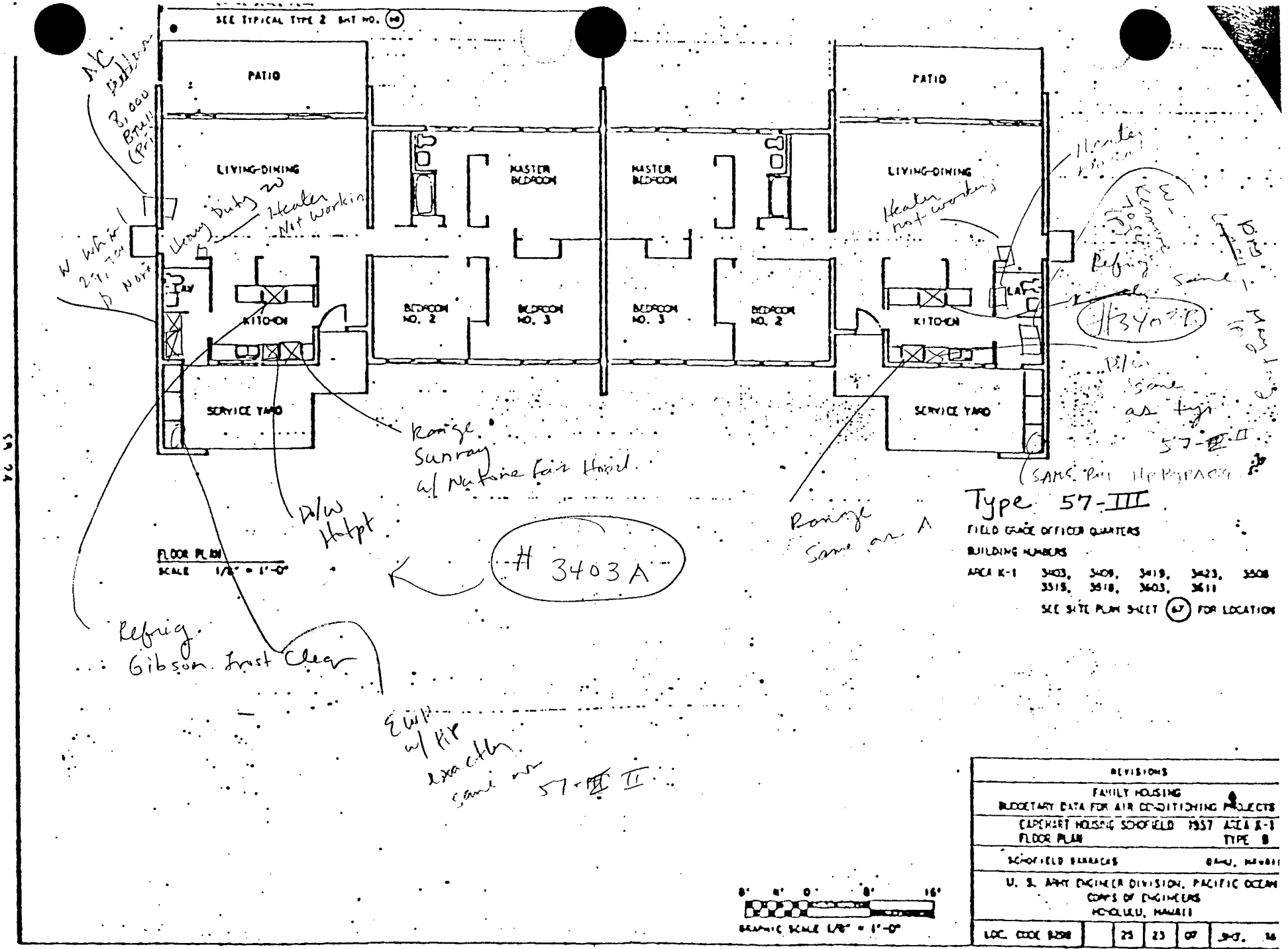
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	2ℓ/10s	112F	
Bathroom Shwr	1ℓ/10s	112F	



Type 57-III

FIELD GRADE OFFICER QUARTERS

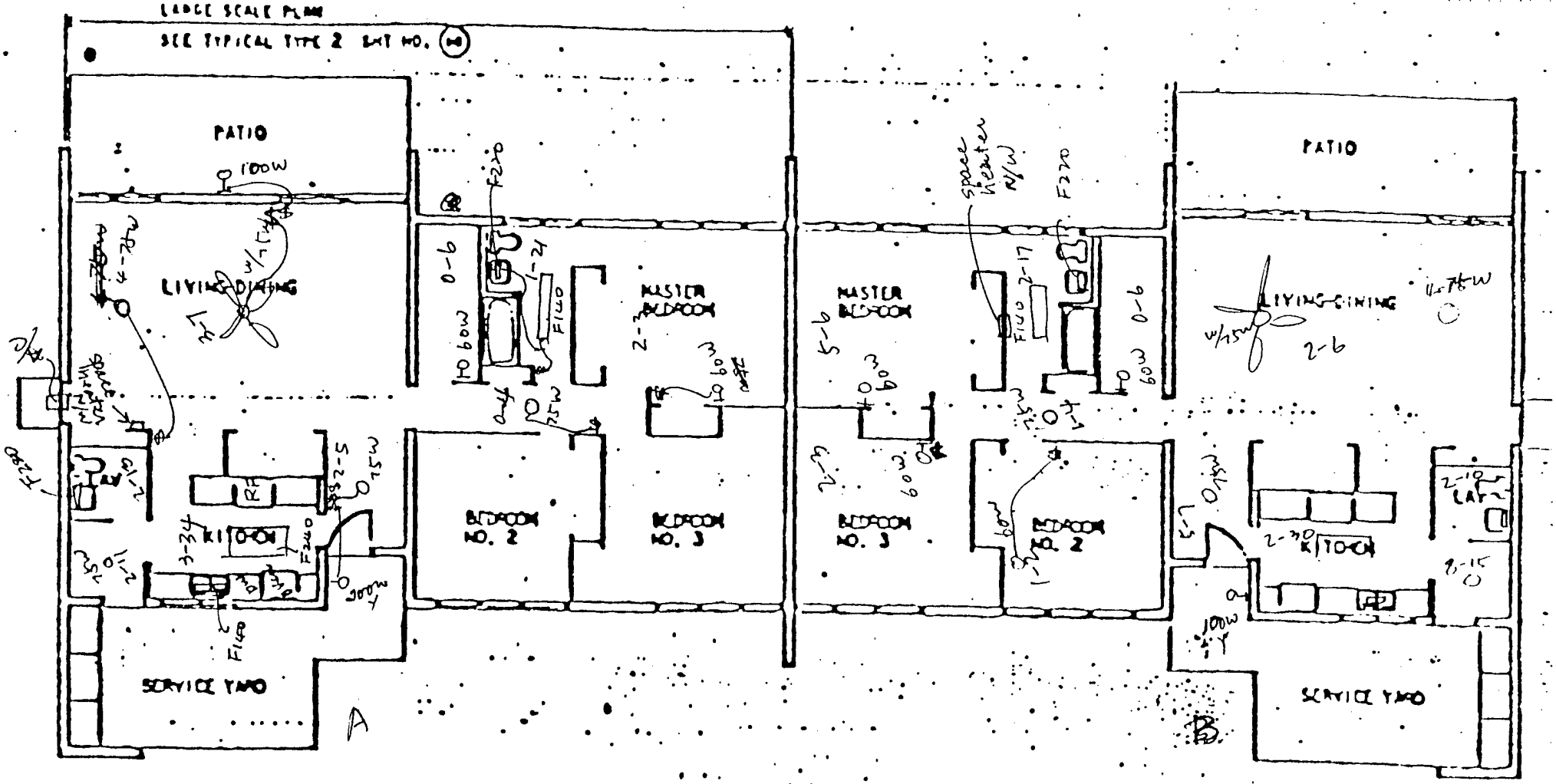
BUILDING NUMBERS

AREA K-1 3403, 3409, 3419, 3423, 3508, 3515, 3518, 3603, 3611

SEE SITE PLAN SHEET (67) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CARPENTER HOUSING SCHOFIELD 1957 AREA K-1 FLOOR PLAN TYPE B					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE BASE		25	23	07	SHT. 16

MAY 1973



FLOOR PLAN
SCALE 1/2" = 1'-0"

Type 67-III

3403 3409 3418
3419 3423 3608
3615 3518

Type

FIELD CHECK OF TYP
BUILDING NUMBERS
EACH K-1 3403,
3515,

Date: 1/16/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3403

Building Type: S7-III

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc. (CMU)	6"	
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc.		
BUR		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

same as S7-II

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

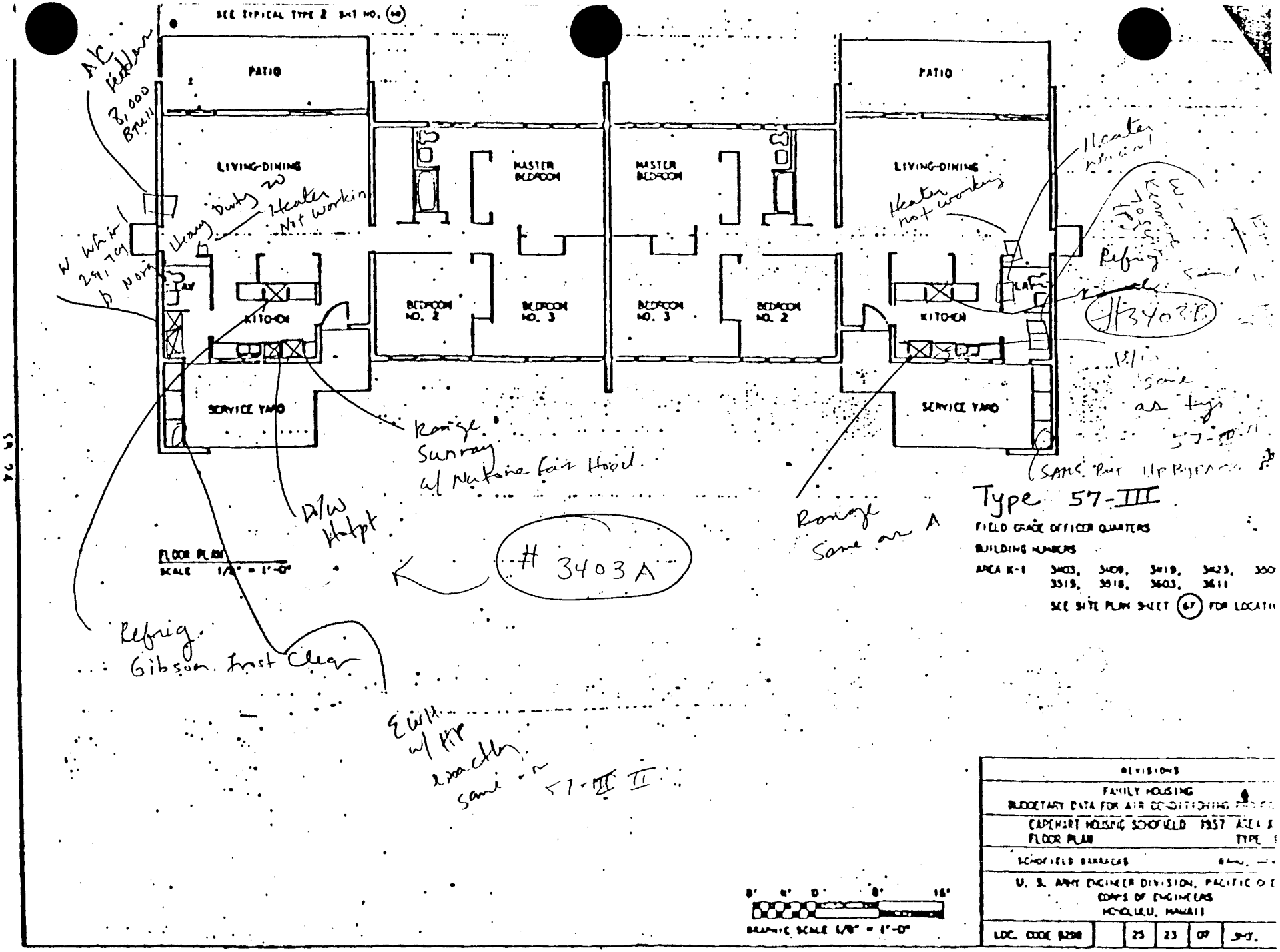
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kitsk	2l/10s	124F	
Bathroom Shwr	2l/10s	110F	


SEE TYPICAL TYPE 2 UNIT NO. (60)
PATIO
PATIO
LIVING-DINING
LIVING-DINING
MASTER BEDROOM
MASTER BEDROOM
BEDROOM NO. 2
BEDROOM NO. 3
BEDROOM NO. 3
BEDROOM NO. 2
KITCHEN
KITCHEN
SERVICE YARD
SERVICE YARD
A/C Kitchen 8,000 Btuh
Heavy Duty W
Heater Not Working
Heater not working
Range Sunray w/ Nutone Fan Hood
D/W Hotpt
Refrig Gibson Frost Clear
Range Same as A
Refrig
#3403A
Type 57-III
FIELD GRADE OFFICER QUARTERS
BUILDING NUMBERS
AREA K-1 3403, 3409, 3419, 3423, 350
3515, 3518, 3603, 3611
SEE SITE PLAN SHEET (67) FOR LOCATI
FLOOR PLAN
SCALE 1/8" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
CARPENTRY HOUSING SCHOFIELD 1957 AREA K
FLOOR PLAN TYPE
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC O
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE NO.
25
23
09
DATE 1973

Type 5

FIELD CHIEF OFFICE

BUILDING NUMBERS

AREA K-1 THRU

3515.

Type III 61-6

3403 Bldg 3494 8708 8746 8808

FLOOR PLAN

SCALE 1/2" = 1'-0"

Date: 11/16/9-
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3409

Building Type: 57-III

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 20

Average No. of Times Dishwasher Used/Day: 2

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ___

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 57-II

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

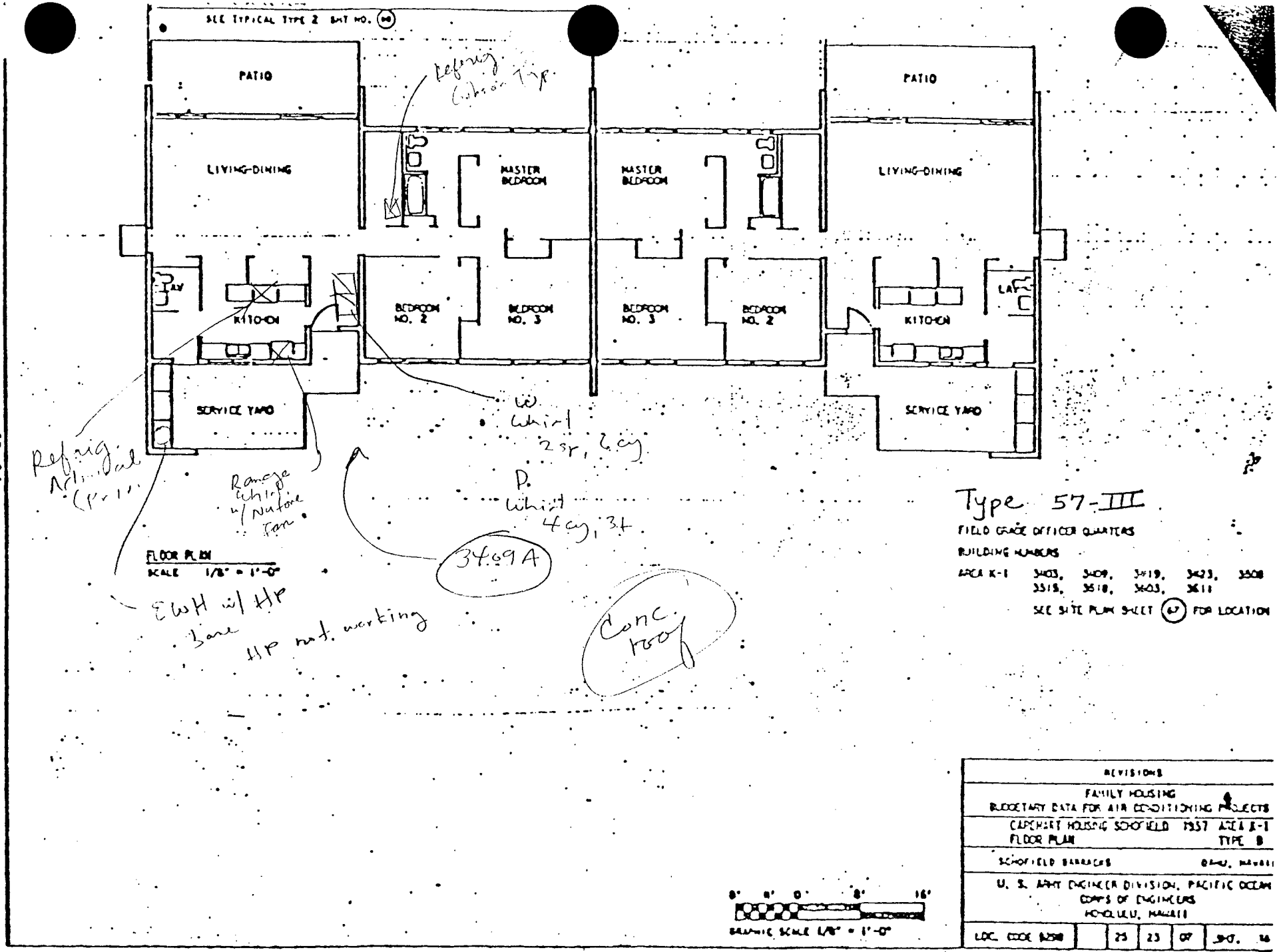
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Water not hot off

Fixture	Flow	Water Temp.	Remarks
KIT. SK	2.5l/10s	106 F	
Bathroom Tub	1l/10s	100 F	



Type 57-III

FIELD GRADE OFFICER QUARTERS

BUILDING NUMBERS

AREA K-1 3403, 3409, 3419, 3423, 3508
3518, 3518, 3603, 3611

SEE SITE PLAN SHEET (67) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CARPENTER HOUSING SCHOFIELD 1957 AREA K-1 FLOOR PLAN TYPE B					
SCHOFIELD BARRACKS OAHU, HAWAII					
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8268		25	23	07	SHT. 16

DATE 1957

Type 5

FIELD CHIEF OFFICE

BUILDING NUMBERS

AREA K-1 3400, 3518.

3403, 3408, 3409, 3418, 3423, 3428, 3433, 3438

Type 1 - 67 - III

PATIO

LIVING-DINING

KITCHEN

SERVICE YARD

BEDROOM NO. 2

MASTER BEDROOM

BEDROOM NO. 3

BEDROOM NO. 4

F220

F140

SEE TYPICAL FIRE 2 HR WALL

LARGE SCALE PLAN

FLOOR PLAN

SCALE 1/2" = 1'-0"

Date: 1/16/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3515A

Building Type: 57-III

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 20

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as S7-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 57-II

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

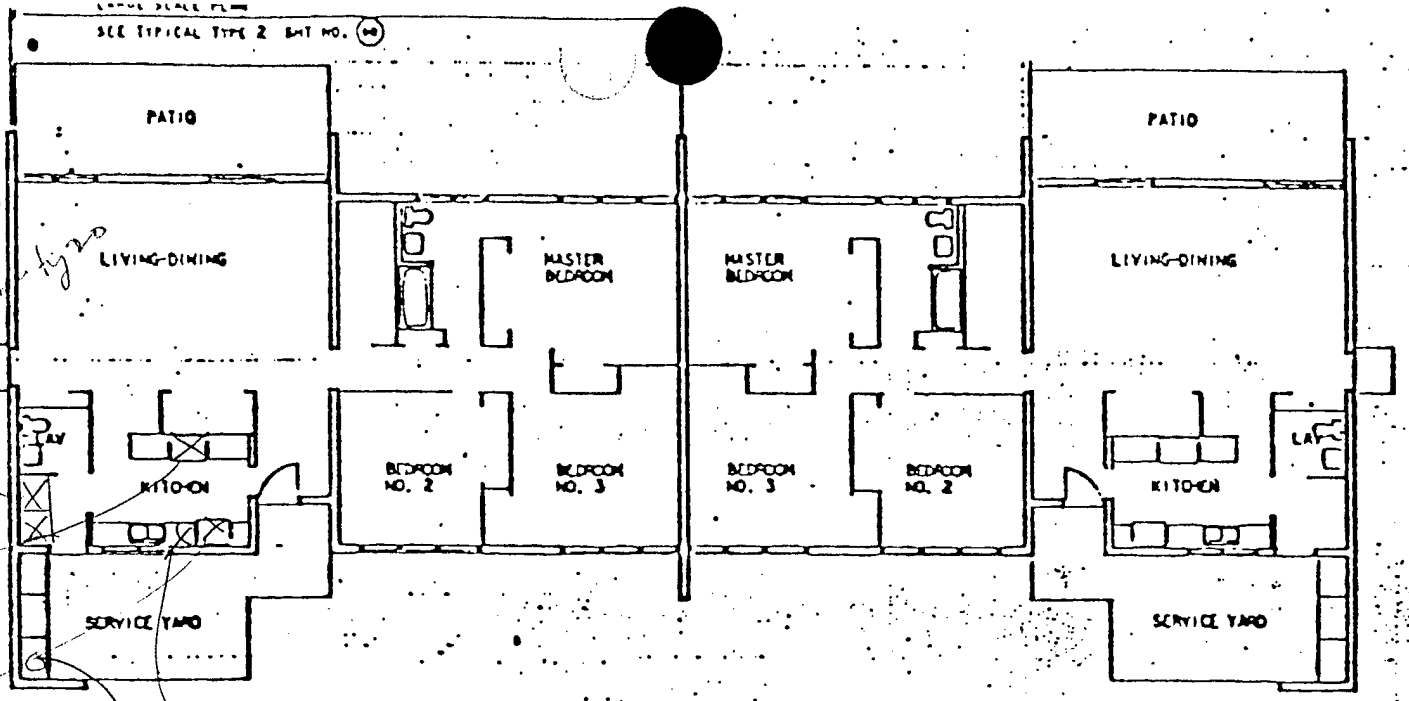
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	1.5 l/los	120 F	



w whirl. 2 sp. Reg D Range Hood type

NO FLUDEL

pump

whirlpool w/ Natural Hood

D/W same as others

FLOOR PLAN
SCALE 1/8" = 1'-0"

3515A

ECWH w/ HP same

Insu. piping in closet space Armaflex - 1"

Type 57-III

FIELD GRADE OFFICER QUARTERS

BUILDING NUMBERS

AREA K-1 3403, 3409, 3419, 3423, 3508, 3515, 3516, 3603, 3611

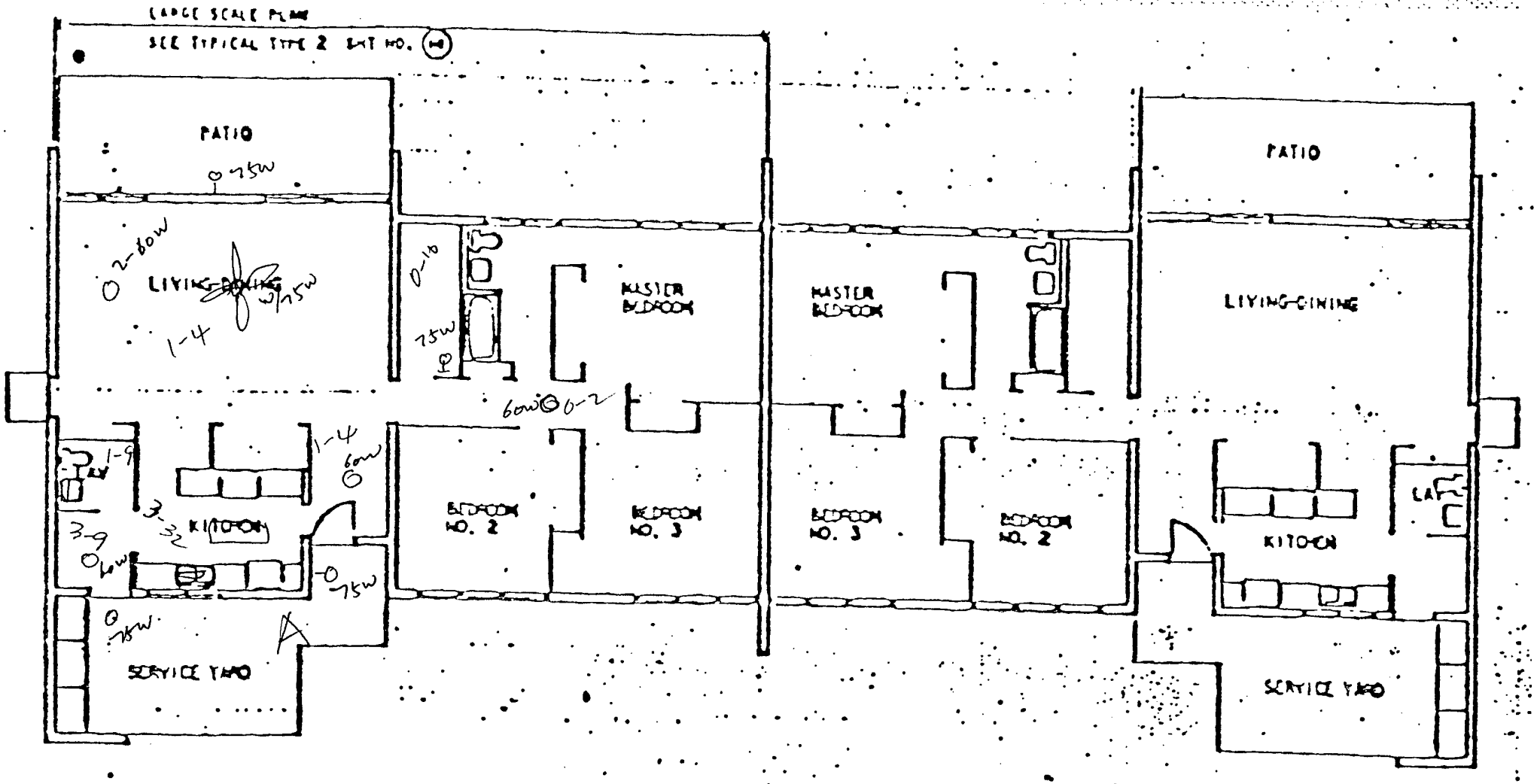
SEE SITE PLAN SHEET (67) FOR LOCATION

8' 4' 0' 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CARPORT HOUSING SCHOFIELD 1957 AREA K-1 FLOOR PLAN TYPE B					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8208		25	23	07	SHT. 16

MAY 1973

68



FLOOR PLAN
SCALE 1/2" = 1'-0"

Type 57 - III
3403 3409 3418
3419 3423 3508
3515 3518

Type 5
FIELD GRADE OFFICER
BUILDING NUMBERS
APCA K-1 3403, 3515,

Date: 1/16/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3518

Building Type: 57-III

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: _____

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as 57-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating /

3.0 HOT WATER SYSTEM

same as 57-II

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

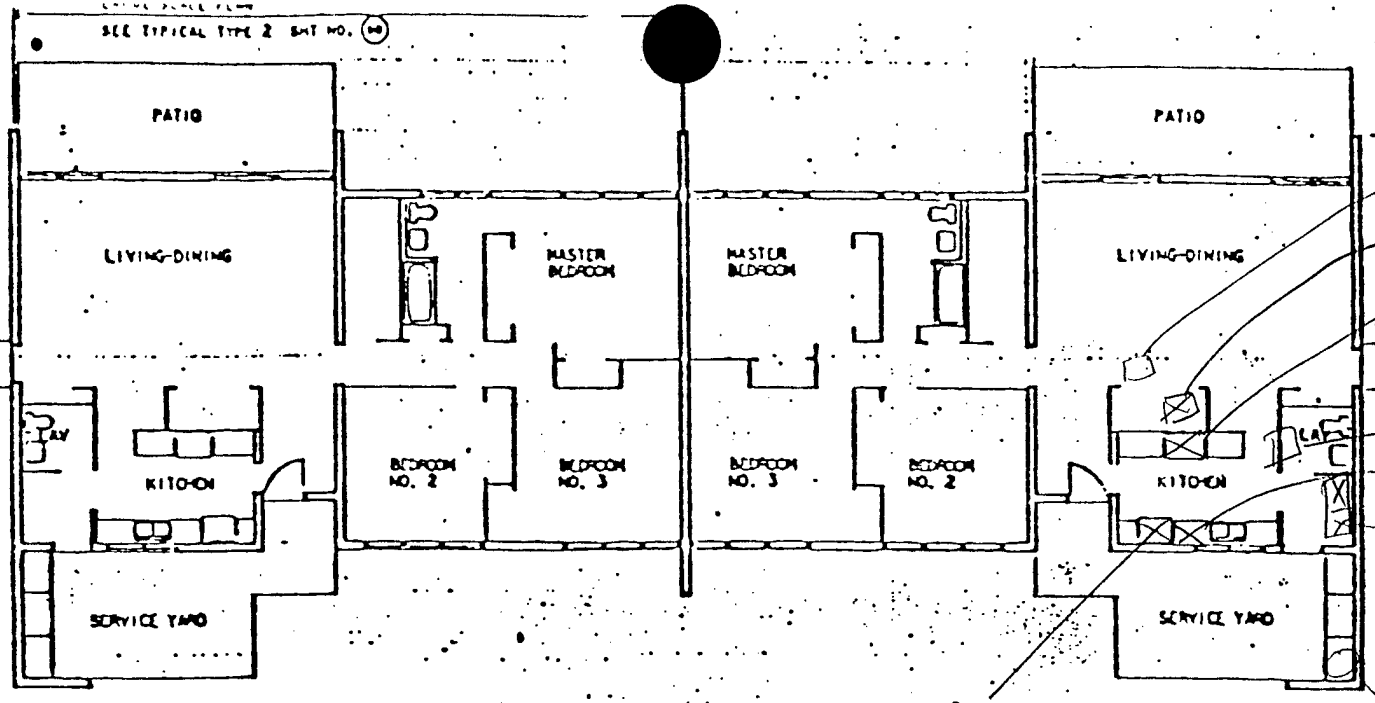
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	1.5ℓ/10s	126°F	



FLOOR PLAN
SCALE 1/8" = 1'-0"

3418
A

Type 57-III

FIELD GRADE OFFICER QUARTERS

BUILDING NUMBERS

AREA K-1 3403, 3409, 3419, 3423, 3508, 3515, 3518, 3603, 3611

SEE SITE PLAN SHEET (67) FOR LOCATION

8' 4' 0' 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CARPENTER HOUSING SCHOFIELD 1957 AREA K-1 FLOOR PLAN TYPE B					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8258		25	23	07	SHT. 66

MAY 1957

Type 5

FIELD EDGE OFFICE

BUILDING NUMBERS

AREA K-1 3003, 3515,

3404 3406 3408 3410 3412 3414 3416 3418 3420 3422 3424 3426 3428 3430 3432 3434 3436 3438 3440 3442 3444 3446 3448 3450 3452 3454 3456 3458 3460 3462 3464 3466 3468 3470 3472 3474 3476 3478 3480 3482 3484 3486 3488 3490 3492 3494 3496 3498 3500 3502 3504 3506 3508 3510 3512 3514 3516 3518 3520 3522 3524 3526 3528 3530 3532 3534 3536 3538 3540 3542 3544 3546 3548 3550 3552 3554 3556 3558 3560 3562 3564 3566 3568 3570 3572 3574 3576 3578 3580 3582 3584 3586 3588 3590 3592 3594 3596 3598 3600 3602 3604 3606 3608 3610 3612 3614 3616 3618 3620 3622 3624 3626 3628 3630 3632 3634 3636 3638 3640 3642 3644 3646 3648 3650 3652 3654 3656 3658 3660 3662 3664 3666 3668 3670 3672 3674 3676 3678 3680 3682 3684 3686 3688 3690 3692 3694 3696 3698 3700 3702 3704 3706 3708 3710 3712 3714 3716 3718 3720 3722 3724 3726 3728 3730 3732 3734 3736 3738 3740 3742 3744 3746 3748 3750 3752 3754 3756 3758 3760 3762 3764 3766 3768 3770 3772 3774 3776 3778 3780 3782 3784 3786 3788 3790 3792 3794 3796 3798 3800 3802 3804 3806 3808 3810 3812 3814 3816 3818 3820 3822 3824 3826 3828 3830 3832 3834 3836 3838 3840 3842 3844 3846 3848 3850 3852 3854 3856 3858 3860 3862 3864 3866 3868 3870 3872 3874 3876 3878 3880 3882 3884 3886 3888 3890 3892 3894 3896 3898 3900 3902 3904 3906 3908 3910 3912 3914 3916 3918 3920 3922 3924 3926 3928 3930 3932 3934 3936 3938 3940 3942 3944 3946 3948 3950 3952 3954 3956 3958 3960 3962 3964 3966 3968 3970 3972 3974 3976 3978 3980 3982 3984 3986 3988 3990 3992 3994 3996 3998 4000 4002 4004 4006 4008 4010 4012 4014 4016 4018 4020 4022 4024 4026 4028 4030 4032 4034 4036 4038 4040 4042 4044 4046 4048 4050 4052 4054 4056 4058 4060 4062 4064 4066 4068 4070 4072 4074 4076 4078 4080 4082 4084 4086 4088 4090 4092 4094 4096 4098 4100 4102 4104 4106 4108 4110 4112 4114 4116 4118 4120 4122 4124 4126 4128 4130 4132 4134 4136 4138 4140 4142 4144 4146 4148 4150 4152 4154 4156 4158 4160 4162 4164 4166 4168 4170 4172 4174 4176 4178 4180 4182 4184 4186 4188 4190 4192 4194 4196 4198 4200 4202 4204 4206 4208 4210 4212 4214 4216 4218 4220 4222 4224 4226 4228 4230 4232 4234 4236 4238 4240 4242 4244 4246 4248 4250 4252 4254 4256 4258 4260 4262 4264 4266 4268 4270 4272 4274 4276 4278 4280 4282 4284 4286 4288 4290 4292 4294 4296 4298 4300 4302 4304 4306 4308 4310 4312 4314 4316 4318 4320 4322 4324 4326 4328 4330 4332 4334 4336 4338 4340 4342 4344 4346 4348 4350 4352 4354 4356 4358 4360 4362 4364 4366 4368 4370 4372 4374 4376 4378 4380 4382 4384 4386 4388 4390 4392 4394 4396 4398 4400 4402 4404 4406 4408 4410 4412 4414 4416 4418 4420 4422 4424 4426 4428 4430 4432 4434 4436 4438 4440 4442 4444 4446 4448 4450 4452 4454 4456 4458 4460 4462 4464 4466 4468 4470 4472 4474 4476 4478 4480 4482 4484 4486 4488 4490 4492 4494 4496 4498 4500 4502 4504 4506 4508 4510 4512 4514 4516 4518 4520 4522 4524 4526 4528 4530 4532 4534 4536 4538 4540 4542 4544 4546 4548 4550 4552 4554 4556 4558 4560 4562 4564 4566 4568 4570 4572 4574 4576 4578 4580 4582 4584 4586 4588 4590 4592 4594 4596 4598 4600 4602 4604 4606 4608 4610 4612 4614 4616 4618 4620 4622 4624 4626 4628 4630 4632 4634 4636 4638 4640 4642 4644 4646 4648 4650 4652 4654 4656 4658 4660 4662 4664 4666 4668 4670 4672 4674 4676 4678 4680 4682 4684 4686 4688 4690 4692 4694 4696 4698 4700 4702 4704 4706 4708 4710 4712 4714 4716 4718 4720 4722 4724 4726 4728 4730 4732 4734 4736 4738 4740 4742 4744 4746 4748 4750 4752 4754 4756 4758 4760 4762 4764 4766 4768 4770 4772 4774 4776 4778 4780 4782 4784 4786 4788 4790 4792 4794 4796 4798 4800 4802 4804 4806 4808 4810 4812 4814 4816 4818 4820 4822 4824 4826 4828 4830 4832 4834 4836 4838 4840 4842 4844 4846 4848 4850 4852 4854 4856 4858 4860 4862 4864 4866 4868 4870 4872 4874 4876 4878 4880 4882 4884 4886 4888 4890 4892 4894 4896 4898 4900 4902 4904 4906 4908 4910 4912 4914 4916 4918 4920 4922 4924 4926 4928 4930 4932 4934 4936 4938 4940 4942 4944 4946 4948 4950 4952 4954 4956 4958 4960 4962 4964 4966 4968 4970 4972 4974 4976 4978 4980 4982 4984 4986 4988 4990 4992 4994 4996 4998 5000 5002 5004 5006 5008 5010 5012 5014 5016 5018 5020 5022 5024 5026 5028 5030 5032 5034 5036 5038 5040 5042 5044 5046 5048 5050 5052 5054 5056 5058 5060 5062 5064 5066 5068 5070 5072 5074 5076 5078 5080 5082 5084 5086 5088 5090 5092 5094 5096 5098 5100 5102 5104 5106 5108 5110 5112 5114 5116 5118 5120 5122 5124 5126 5128 5130 5132 5134 5136 5138 5140 5142 5144 5146 5148 5150 5152 5154 5156 5158 5160 5162 5164 5166 5168 5170 5172 5174 5176 5178 5180 5182 5184 5186 5188 5190 5192 5194 5196 5198 5200 5202 5204 5206 5208 5210 5212 5214 5216 5218 5220 5222 5224 5226 5228 5230 5232 5234 5236 5238 5240 5242 5244 5246 5248 5250 5252 5254 5256 5258 5260 5262 5264 5266 5268 5270 5272 5274 5276 5278 5280 5282 5284 5286 5288 5290 5292 5294 5296 5298 5300 5302 5304 5306 5308 5310 5312 5314 5316 5318 5320 5322 5324 5326 5328 5330 5332 5334 5336 5338 5340 5342 5344 5346 5348 5350 5352 5354 5356 5358 5360 5362 5364 5366 5368 5370 5372 5374 5376 5378 5380 5382 5384 5386 5388 5390 5392 5394 5396 5398 5400 5402 5404 5406 5408 5410 5412 5414 5416 5418 5420 5422 5424 5426 5428 5430 5432 5434 5436 5438 5440 5442 5444 5446 5448 5450 5452 5454 5456 5458 5460 5462 5464 5466 5468 5470 5472 5474 5476 5478 5480 5482 5484 5486 5488 5490 5492 5494 5496 5498 5500 5502 5504 5506 5508 5510 5512 5514 5516 5518 5520 5522 5524 5526 5528 5530 5532 5534 5536 5538 5540 5542 5544 5546 5548 5550 5552 5554 5556 5558 5560 5562 5564 5566 5568 5570 5572 5574 5576 5578 5580 5582 5584 5586 5588 5590 5592 5594 5596 5598 5600 5602 5604 5606 5608 5610 5612 5614 5616 5618 5620 5622 5624 5626 5628 5630 5632 5634 5636 5638 5640 5642 5644 5646 5648 5650 5652 5654 5656 5658 5660 5662 5664 5666 5668 5670 5672 5674 5676 5678 5680 5682 5684 5686 5688 5690 5692 5694 5696 5698 5700 5702 5704 5706 5708 5710 5712 5714 5716 5718 5720 5722 5724 5726 5728 5730 5732 5734 5736 5738 5740 5742 5744 5746 5748 5750 5752 5754 5756 5758 5760 5762 5764 5766 5768 5770 5772 5774 5776 5778 5780 5782 5784 5786 5788 5790 5792 5794 5796 5798 5800 5802 5804 5806 5808 5810 5812 5814 5816 5818 5820 5822 5824 5826 5828 5830 5832 5834 5836 5838 5840 5842 5844 5846 5848 5850 5852 5854 5856 5858 5860 5862 5864 5866 5868 5870 5872 5874 5876 5878 5880 5882 5884 5886 5888 5890 5892 5894 5896 5898 5900 5902 5904 5906 5908 5910 5912 5914 5916 5918 5920 5922 5924 5926 5928 5930 5932 5934 5936 5938 5940 5942 5944 5946 5948 5950 5952 5954 5956 5958 5960 5962 5964 5966 5968 5970 5972 5974 5976 5978 5980 5982 5984 5986 5988 5990 5992 5994 5996 5998 6000 6002 6004 6006 6008 6010 6012 6014 6016 6018 6020 6022 6024 6026 6028 6030 6032 6034 6036 6038 6040 6042 6044 6046 6048 6050 6052 6054 6056 6058 6060 6062 6064 6066 6068 6070 6072 6074 6076 6078 6080 6082 6084 6086 6088 6090 6092 6094 6096 6098 6100 6102 6104 6106 6108 6110 6112 6114 6116 6118 6120 6122 6124 6126 6128 6130 6132 6134 6136 6138 6140 6142 6144 6146 6148 6150 6152 6154 6156 6158 6160 6162 6164 6166 6168 6170 6172 6174 6176 6178 6180 6182 6184 6186 6188 6190 6192 6194 6196 6198 6200 6202 6204 6206 6208 6210 6212 6214 6216 6218 6220 6222 6224 6226 6228 6230 6232 6234 6236 6238 6240 6242 6244 6246 6248 6250 6252 6254 6256 6258 6260 6262 6264 6266 6268 6270 6272 6274 6276 6278 6280 6282 6284 6286 6288 6290 6292 6294 6296 6298 6300 6302 6304 6306 6308 6310 6312 6314 6316 6318 6320 6322 6324 6326 6328 6330 6332 6334 6336 6338 6340 6342 6344 6346 6348 6350 6352 6354 6356 6358 6360 6362 6364 6366 6368 6370 6372 6374 6376 6378 6380 6382 6384 6386 6388 6390 6392 6394 6396 6398 6400 6402 6404 6406 6408 6410 6412 6414 6416 6418 6420 6422 6424 6426 6428 6430 6432 6434 6436 6438 6440 6442 6444 6446 6448 6450 6452 6454 6456 6458 6460 6462 6464 6466 6468 6470 6472 6474 6476 6478 6480 6482 6484 6486 6488 6490 6492 6494 6496 6498 6500 6502 6504 6506 6508 6510 6512 6514 6516 6518 6520 6522 6524 6526 6528 6530 6532 6534 6536 6538 6540 6542 6544 6546 6548 6550 6552 6554 6556 6558 6560 6562 6564 6566 6568 6570 6572 6574 6576 6578 6580 6582 6584 6586 6588 6590 6592 6594 6596 6598 6600 6602 6604 6606 6608 6610 6612 6614 6616 6618 6620 6622 6624 6626 6628 6630 6632 6634 6636 6638 6640 6642 6644 6646 6648 6650 6652 6654 6656 6658 6660 6662 6664 6666 6668 6670 6672 6674 6676 6678 6680 6682 6684 6686 6688 6690 6692 6694 6696 6698 6700 6702 6704 6706 6708 6710 6712 6714 6716 6718 6720 6722 6724 6726 6728 6730 6732 6734 6736 6738 6740 6742 6744 6746 6748 6750 6752 6754 6756 6758 6760 6762 6764 6766 6768 6770 6772 6774 6776 6778 6780 6782 6784 6786 6788 6790 6792 6794 6796 6798 6800 6802 6804 6806 6808 6810 6812 6814 6816 6818 6820 6822 6824 6826 6828 6830 6832 6834 6836 6838 6840 6842 6844 6846 6848 6850 6852 6854 6856 6858 6860 6862 6864 6866 6868 6870 6872 6874 6876 6878 6880 6882 6884 6886 6888 6890 6892 6894 6896 6898 6900 6902 6904 6906 6908 6910 6912 6914 6916 6918 6920 6922 6924 6926 6928 6930 6932 6934 6936 6938 6940 6942 6944 6946 6948 6950 6952 6954 6956 6958 6960 6962 6964 6966 6968 6970 6972 6974 6976 6978 6980 6982 6984 6986 6988 6990 6992 6994 6996 6998 7000 7002 7004 7006 7008 7010 7012 7014 7016 7018 7020 7022 7024 7026 7028 7030 7032 7034 7036 7038 7040 7042 7044 7046 7048 7050 7052 7054 7056 7058 7060 7062 7064 7066 7068 7070 7072 7074 7076 7078 7080 7082 7084 7086 7088 7090 7092 7094 7096 7098 7100 7102 7104 7106 7108 7110 7112 7114 7116 7118 7120 7122 7124 7126 7128 7130 7132 7134 7136 7138 7140 7142 7144 7146 7148 7150 7152 7154 7156 7158 7160 7162 7164 7166 7168 7170 7172 7174 7176 7178 7180 7182 7184 7186 7188 7190 7192 7194 7196 7198 7200 7202 7204 7206 7208 7210 7212 7214 7216 7218 7220 7222 7224 7226 7228 7230 7232 7234 7236 7238 7240 7242 7244 7246 7248 7250 7252 7254 7256 7258 7260 7262 7264 7266 7268 7270 7272 7274 7276 7278 7280 7282 7284 7286 7288 7290 7292 7294 7296 7298 7300 7302 7304 7306 7308 7310 7312 7314 7316 7318 7320 7322 7324 7326 7328 7330 7332 7334 7336 7338 7340 7342 7344 7346 7348 7350 7352 7354 7356 7358 7360 7362 7364 7366 7368 7370 7372 7374 7376 7378 7380 7382 7384 7386 7388 7390 7392 7394 7396 7398 7400 7402 7404 7406 7408 7410 7412 7414 7416 7418 7420 7422 7424 7426 7428 7430 7432 7434 7436 7438 7440 7442 7444 7446 7448 7450 7452 7454 7456 7458 7460 7462 7464 7466 7468 7470 7472 7474 7476 7478 7480 7482 7484 7486 7488 7490 7492 7494 7496 7498 7500 7502 7504 7506 7508 7510 7512 7514 7516 7518 7520 7522 7524 7526 7528 7530 7532 7534 7536 7538 7540 7542 7544 7546 7548 7550 7552 7554 7556 7558 7560 7562 7564 7566 7568 7570 7572 7574 7576 7578 7580 7582 7584 7586 7588 7590 7592 7594 7596 7598 7600 7602 7604 7606 7608 7610 7612 7614 7616 7618 7620 7622 7624 7626 7628 7630 7632 7634 7636 7638 7640 7642 7644 7646 7648 7650 7652 7654 7656 7658 7660 7662 7664 7666 7668 7670 7672 7674 7676 7678 7680 7682 7684 7686 7688 7690 7692 7694 7696 7698 7700 7702 7704 7706 7708 7710 7712 7714 7716 7718 7720 7722 7724 7726 7728 7730 7732 7734 7736 7738 7740 7742 7744 7746 7748 7750 7752 7754 7756 7758 7760 7762 7764 7766 7768 7770 7772 7774 7776 7778 7780 7782 7784 7786 7788 7790 7792 7794 7796 7798 7800 7802 7804 7806 7808 7810 7812 7814 7816 7818 7820 7822 7824 7826 7828 7830 7832 7834 7836 7838 7840 7842 7844 7846 7848 7850 7852 7854 7856 7858 7860 7862 7864 7866 7868 7870 7872 7874 7876 7878 7880 7882 7884 7886 7888 7890 7892 7894 7896 7898 7900 7902 7904 7906 7908 7910 7912 7914 7916 7918 7920 7922 7924 7926 7928 7930 7932 7934 7936 7938 7940 7942 7944 7946 7948 7950 7952 7954 7956 7958 7960 7962 7964 7966 7968 7970 7972 7974 7976 7978 7980 7982 7984 7986 7988 7990 7992 7994 7996 7998 8000 8002 8004 8006 8008 8010 8012 8014 8016 8018 8020 8022 8024 8026 8028 8030 8032 8034 8036 8038 8040 8042 8044 8046 8048 8050 8052 8054 8056 8058 8060 8062 8064 8066 8068 8070 8072 8074 8076 8078 8080 8082 8084 8086 8088 8090 8092 8094 8096 8098 8100 8102 8104 8106 8108 8110 8112 8114 8116 8118 8120 8122 8124 8126 8128 8130 8132 8134 8136 8138 8140 8142 8144 8146 8148 8150 8152 8154 8156 8158 8160 8162 8164 8166 8168 8170 8172 8174 8176 8178 8180 8182 8184 8186 8188 8190 8192 8194 8196 8198 8200 8202 8204 8206 8208 8210 8212 8214 8216 8218 8220 8222 8224 8226 8228 8230 8232 8234 8236 8238 8240 8242 8244 8246 8248 8250 8252 8254 8256 8258 8260 8262 8264 8266 8268 8270 8272 8274 8276 8278 8280 8282 8284 8286 8288 8290 8292 8294 8296 8298 8300 8302 8304 8306 8308 8310 8312 8314 8316 8318 8320 8322 8324 8326 8328 8330 8332 8334 8336 8338 8340 8342 8344 8346 8348 8350 8352 8354 8356 8358 8360 8362 8364 8366 8368 8370 8372 8374 8376 8378 8380 8382 8384 8386 8388 8390 8392 8394 8396 8398 8400 8402 8404 8406 8408 8410 8412 8414 8416 8418 8420 8422 8424 8426 8428 8430 8432 8434 8436 8438 8440 8442 8444 8446 8448 8450 8452 8454 8456 8458 8460 8462 8464 8466 8468 8470 8472 8474 8476 8478 8480 8482 8484 8486 8488 8490 8492 8494 8496 8498 8500 8502 8504 8506 8508 8510 8512 8514 8516 8518 8520 8522 8524 8526 8528 8530 8532 8534 8536 8538 8540 8542 8544 8546 8548 8550 8552 8554 8556 8558 8560 8562 8564 8566 8568 8570 8572 8574 8576 8578 8580 8582 8584 8586 8588 8590 8592 8594 8596 8598 8600 8602 8604 8606 8608 8610 8612 8614 8616 8618 8620 8622 8624 8626 8628 8630 8632 8634 8636 8638 8640 8642 8644 8646 8648 8650 8652 8654 8656 8658 8660 8662 8664 8666 8668 8670 8672 8674 8676 8678 8680 8682 8684 8686 8688 8690 8692 8694 8696 8698 8700 8702 8704 8706 8708 8710 8712 8714 8716 8718 8720 8722 8724 8726 8728 8730 8732 8734 8736 8738 8740 8742 8744 8746 8748 8750 8752 8754 8756 8758 8760 8762 8764 8766 8768 8770 8772 8774 8776 8778 8780 8782 8784 8786 8788 8790 8792 8794 8796 8798 8800 8802 8804 8806 8808 8810 8812 8814 8816 8818 8820 8822 8824 8826 8828 8830 8832 8834 8836 8838 8840 8842 8844 8846 8848 8850 8852 8854 8856 8858 8860 8862 8864 8866 8868 8870 8872 8874 8876 8878 8880 8882 8884 8886 8888 8890 8892 8894 8896 8898 8900 8902 8904 8906 8908 8910 8912 8914 8916 8918 8920 8922 8924 8926 8928 8930 8932 8934 8936 8938 8940 8942 8944 8946 8948 8950 8952 8954 8956 8958 8960 8962 8964 8966 8968 8970 8972 8974 8976 8978 8980 8982 8984 8986 8988 8990 8992 8994 8996 8998 9000 9002 9004 9006 9008 9010 9012 9014 9016 9018 9020 9022 9024 9026 9028 9030 9032 9034 9036 9038 9040 9042 9044 9046 9048 9050 9052 9054 9056 9058 9060 9062 9064 9066 9068 9070 9072 9074 9076 9078 9080 9082 9084 9086 9088 9090 9092 9094 9096 9098 9100 9102 9104 9106 9108 9110 9112 9114 9116 9118 9120 9122 9124 9126 9128 9130 9132 9134 9136 9138 9140 9142 9144 9146 9148 9150 9152 9154 9156 9158 9160 9162 9164 9166 9168 9170 9172 9174 9176 9178 9180 9182 9184 9186 9188 9190 9192 9194 9196 9198 9200 9202 9204 9206 9208 9210 9212 9214 9216 9218 9220 9222 9224 9226 9228 9230 9232 9234 9236 9238 9240 9242 9244 9246 9248 9250 9252 9254 9256 9258 9260 9262 9264 9266 9268 9270 9272 9274 9276 9278 9280 9282 9284 9286 9288 9290 9292 9294 9296 9298 9300 9302 9304 9306 9308 9310 9312 9314 9316 9318 9320 9322 9324 9326 9328 9330 9332 9334 9336 9338 9340 9342 9344 9346 9348 9350 9352 9354 9356 9358 9360 9362 9364 9366 9368 9370 9372 9374 9376 9378 9380 9382 9384 9386 9388 9390 9392 9394 9396 9398 9400 9402 9404 9406 9408 9410 9412 9414 9416 9418 9420 9422 9424 9426 9428 9430 9432 9434 9436 9438 9440 9442 9444 9446 9448 9450 9452 9454 9456 9458 9460 9462 9464 9466 9468 9470 9472 9474 9476 9478 9480 9482 9484 9486 9488 9490 9492 9494 9496 9498 9500 9502 9504 9506 9508 9510 9512 9514 9516 9518 9520 9522 9524 9526 9528 9530 9532 9534 9536 9538 9540 9542 9544 9546 9548 9550 9552 9554 9556 9558 9560 9562 9564 9566 9568 9570 9572 9574 9576 9578 9580 9582 9584 9586 9588 9590 9592 9594 9596 9598 9600 9602 9604 9606 9608 9610 9612 9614 9616 9618 9620 9622 9624 9626 9628 9630 9632 9634 9636 9638 9640 9642 9644 9646 9648 9650 9652 9654 9656 9658 9660 9662 9664 9666 9668 9670 9672 9674 9676 9678 9680 9682 9684 9686 9688 9690 9692 9694 9696 9698 9700 9702 9704 9706 9708 9710 9712 9714 9716 9718 9720 9722 9724 9726 9728 9730 9732 9734 9736 9738 9740 9742 9744 9746 9748 9750 9752 9754 9756 9758 9760 9762 9764 9766 9768 9770 9772 9774 9776 9778 9780 9782 9784 9786 9788 9790 9792 9794 9796 9798 9800 9802 9804 9806 9808 9810 9812 9814 9816 9818 9820 9822 9824 9826 9828 9830 9832 9834 9836 9838 9840 9842 9844 9846 9848 9850 9852 9854 9856 9858 9860 9862 9864 9866 9868 9870 9872 9874 9876 9878 9880 9882 9884 9886 9888 9890 9892 9894 9896 9898 9900 9902 9904 9906 9908 9910 9912 9914 9916 9918 9920 9922 9924 9926 9928 9930 9932 9934 9936 9938 9940 9942 9944 9946 9948 9950 9952 9954 9956 9958 9960 9962 9964 9966 9968 9970 9972 9974 9976 9978 9980 9982 9984 9986 9988 9990 9992 9994 9996 9998 10000

Type 5

Type 6 7 - III

3404 3406 3408 3410 3412 3414 3416 3418 3420 3422 3424 3426 3428 3430 3432 3434 3436 3438 3440 3442 3444 3446 3448 3450 3452 3454 3456 3458 3460 3462 3464 3466 3468 3470 3472 3474 3476 3478 3480 3482

UNIT TYPE 57-IV

Date: 1/17/96
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3427

Building Type: 57 - IV

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL Same as 57-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Window Yes / No

Tinted _____

Reflective Coating _____

same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

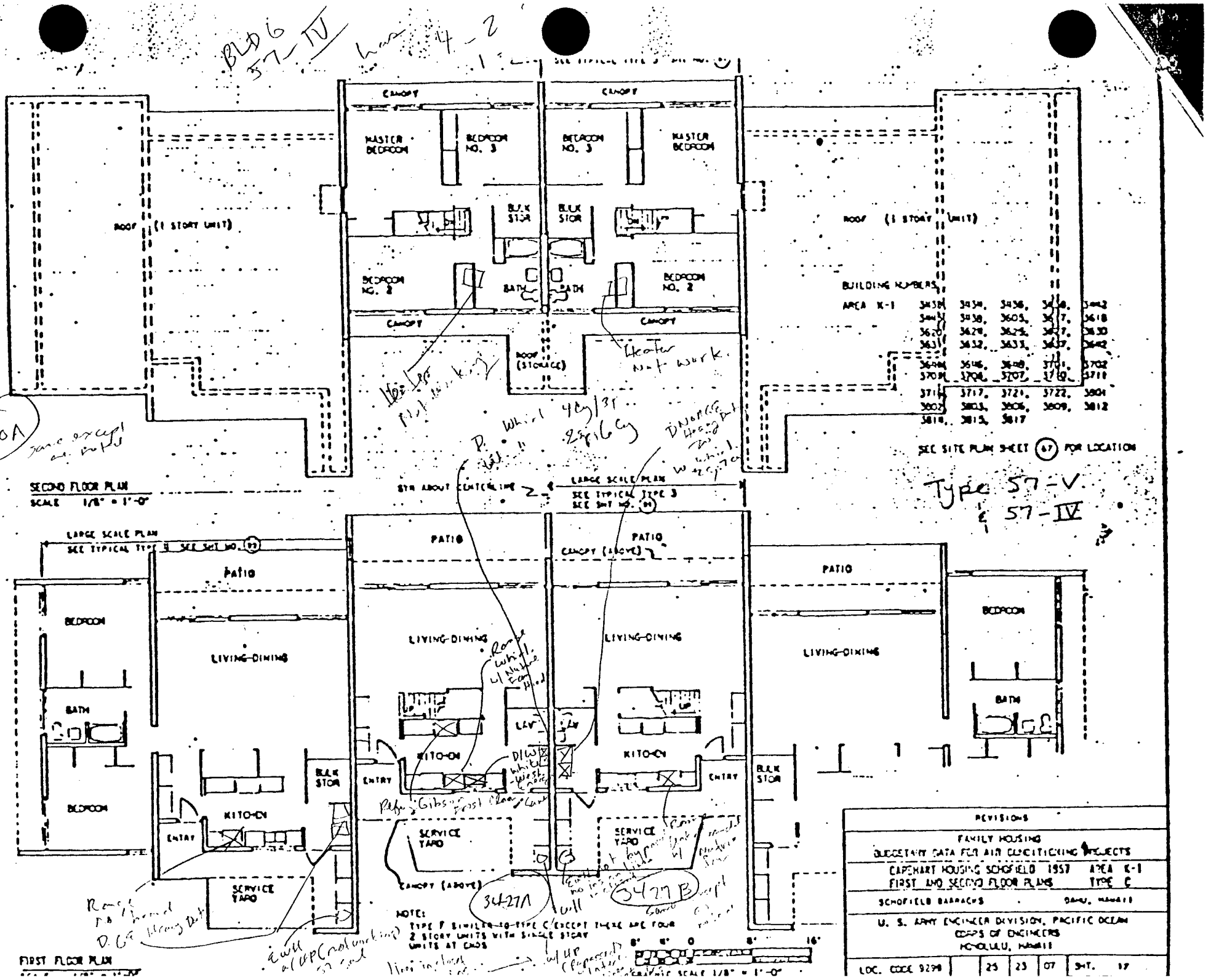
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

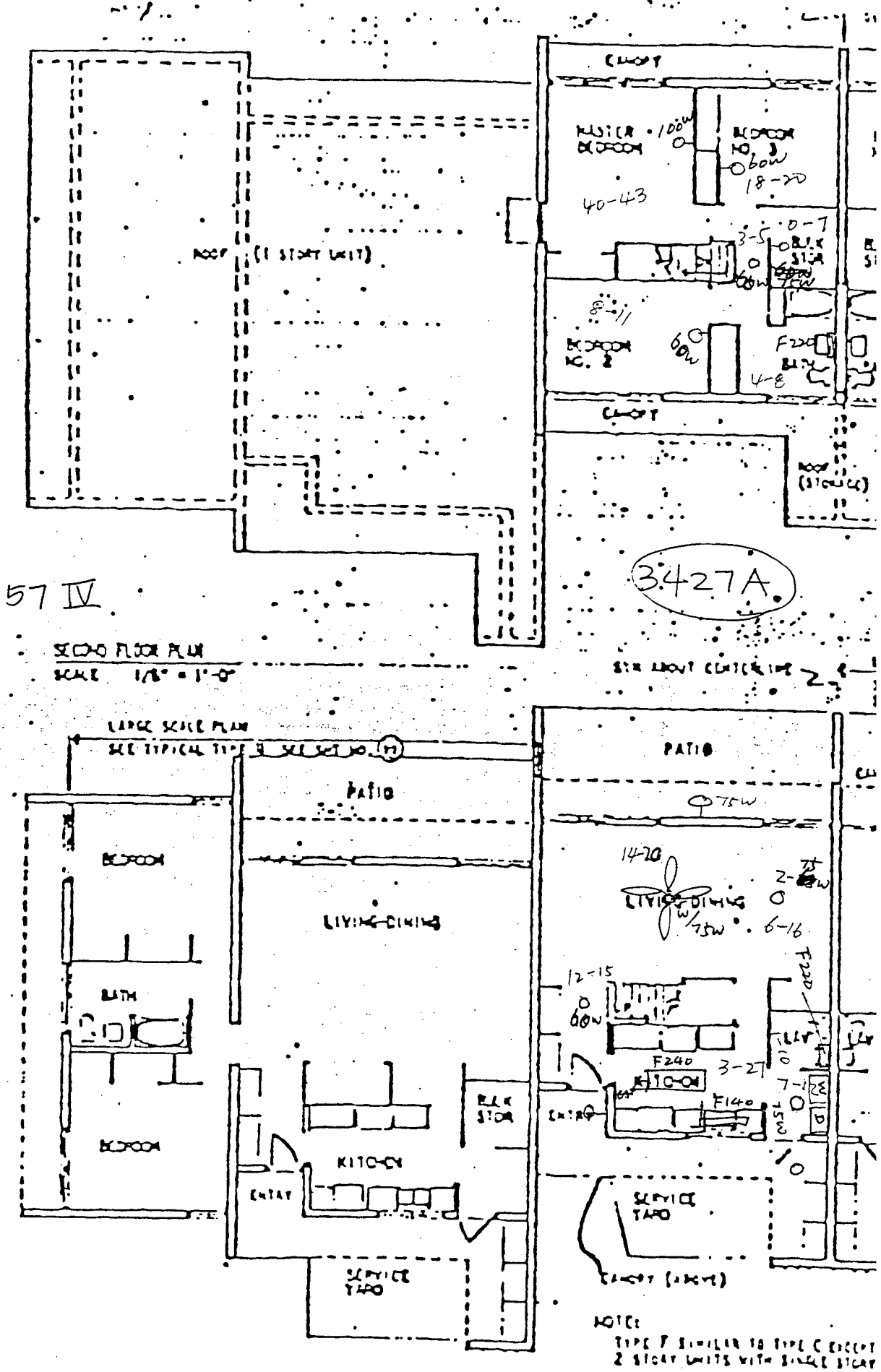
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2ℓ/10s	120 F	
Bathroom Shwr	2ℓ/10s	112F	


BLDG 57-IV
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
3440A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3 SEE SHT NO. 93
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
ENTRY
SERVICE YARD
CANOPY (ABOVE)
Type 57-V
& 57-IV
3427A
3427B
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298
25 23 07
SHT. 37


TYPE 57 IV & 57 IV
3427A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE
PATIO
BEDROOM
LIVING-DINING
BATH
BEDROOM
KITCHEN
ENTRY
SERVICE YARD
BLK STOR
CLOSET
ROOF (1 STORY UNIT)
MASTER BEDROOM
BEDROOM NO. 2
BEDROOM NO. 3
CLOSET
ROOF (STORY)
3427A
SEE ABOVE CENTER LINE
PATIO
LIVING-DINING
ENTRY
SERVICE YARD
CLOSET (ABOVE)
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT
2 STORY UNITS WITH SINGLE STAIR

Date: 1/17/90

Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3427

Building Type: 57 - IV

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

same as S7-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

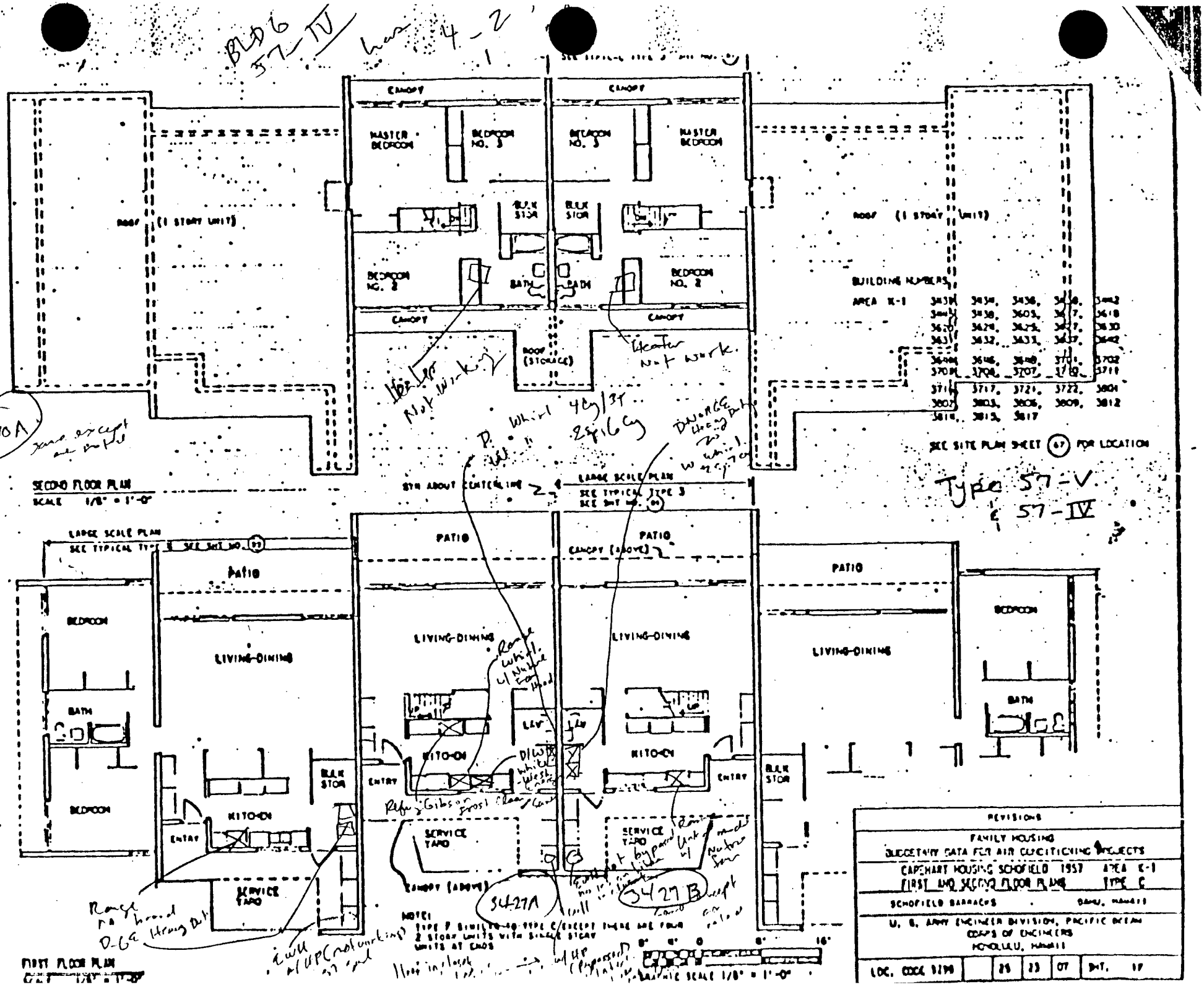
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

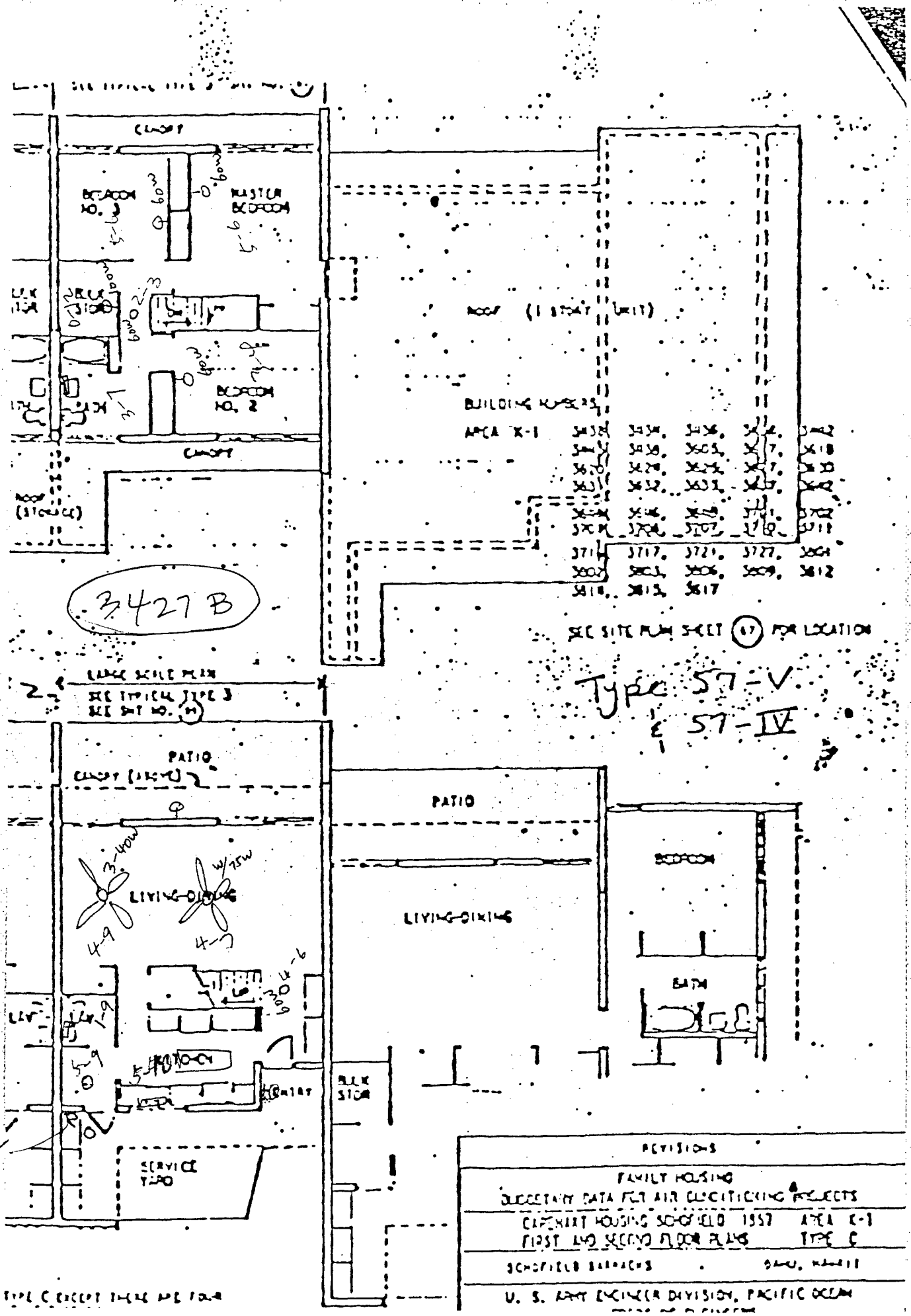
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kitsk	2ℓ/10s	116	
Bathroom Shwr	2ℓ/10s	112	


Bldg 57-IV
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BATH
BEDROOM NO. 2
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
3440A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
5TH ABOUT CENTERLINE
Type 57-V
& 57-IV
PATIO
CANOPY (ABOVE)
BEDROOM
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
3427A
3427B
NOTE: TYPE F BUILT TO BE TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298
25
23
07
SHT. 17



TYPE C EXCEPT THERE ARE FOUR

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3432

Building Type: 57 - IV

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 97-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	/	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

same as S7.-III

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

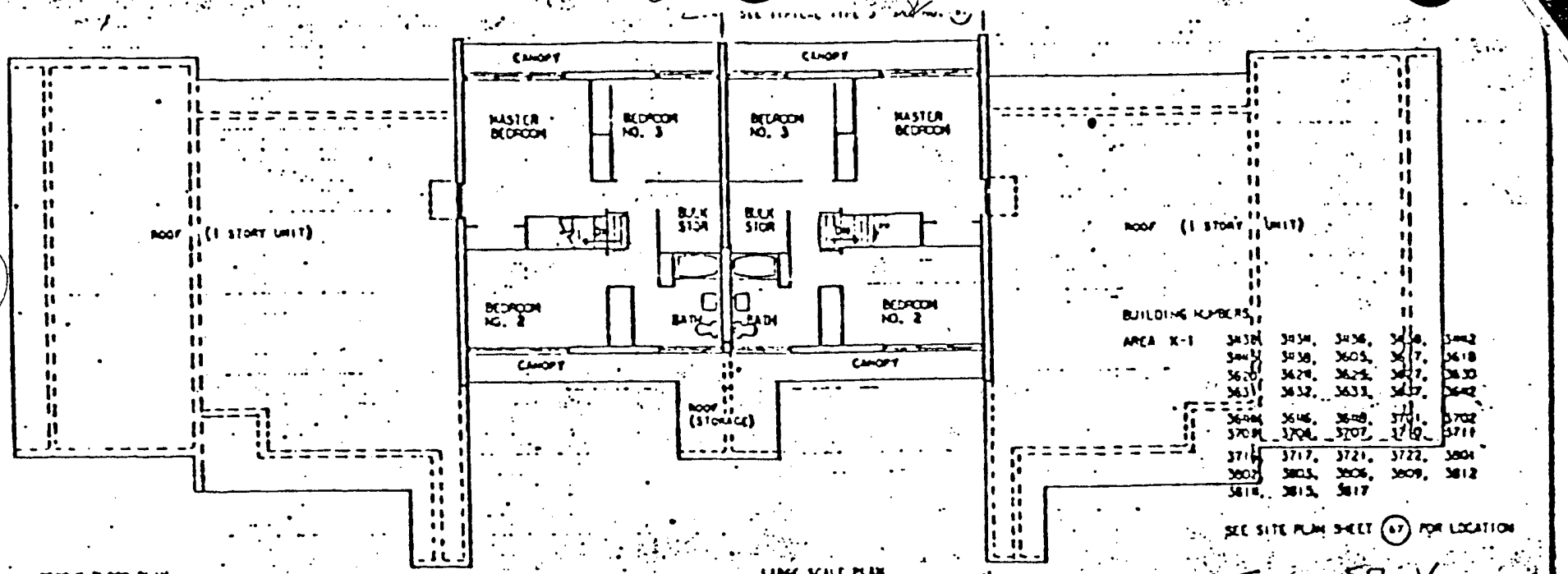
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT. SK	1.2/10S	116 F	



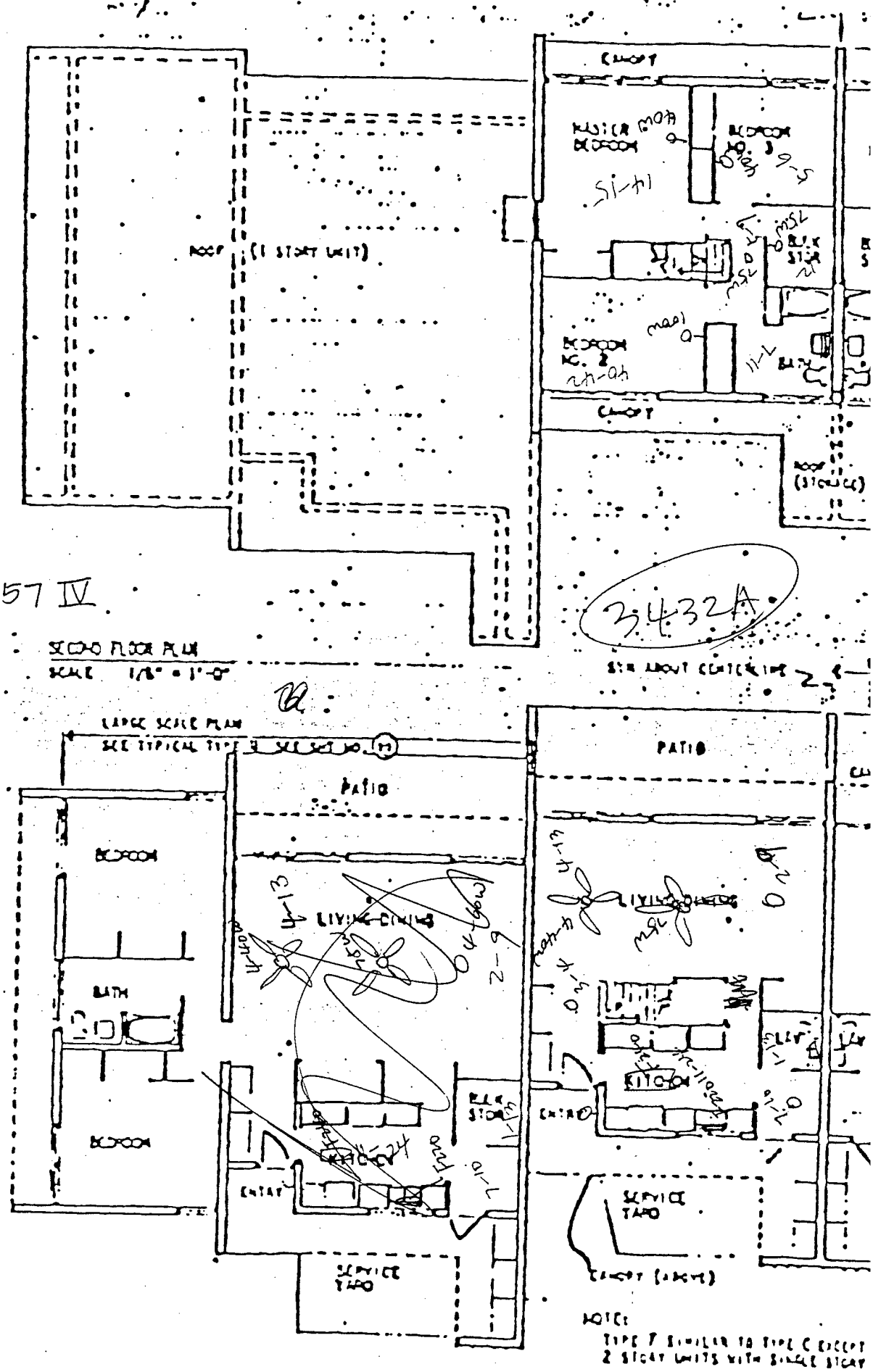
(3432 D)

3432 A

Type 57-V
& 57-IV

REVISIONS	
FAMILY HOUSING	
DUPLICATE DATA FOR AIR CONDITIONING PROJECTS	
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1	
FIRST AND SECOND FLOOR PLANS TYPE C	
SCHOFIELD BARRACKS . OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
I.D.C. CODE 9298	25 | 23 | 07 SHT. 17

TYPE 57 V & 57 IV



Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3432

Building Type: 57 - IV

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ✓

Same as S7-II

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

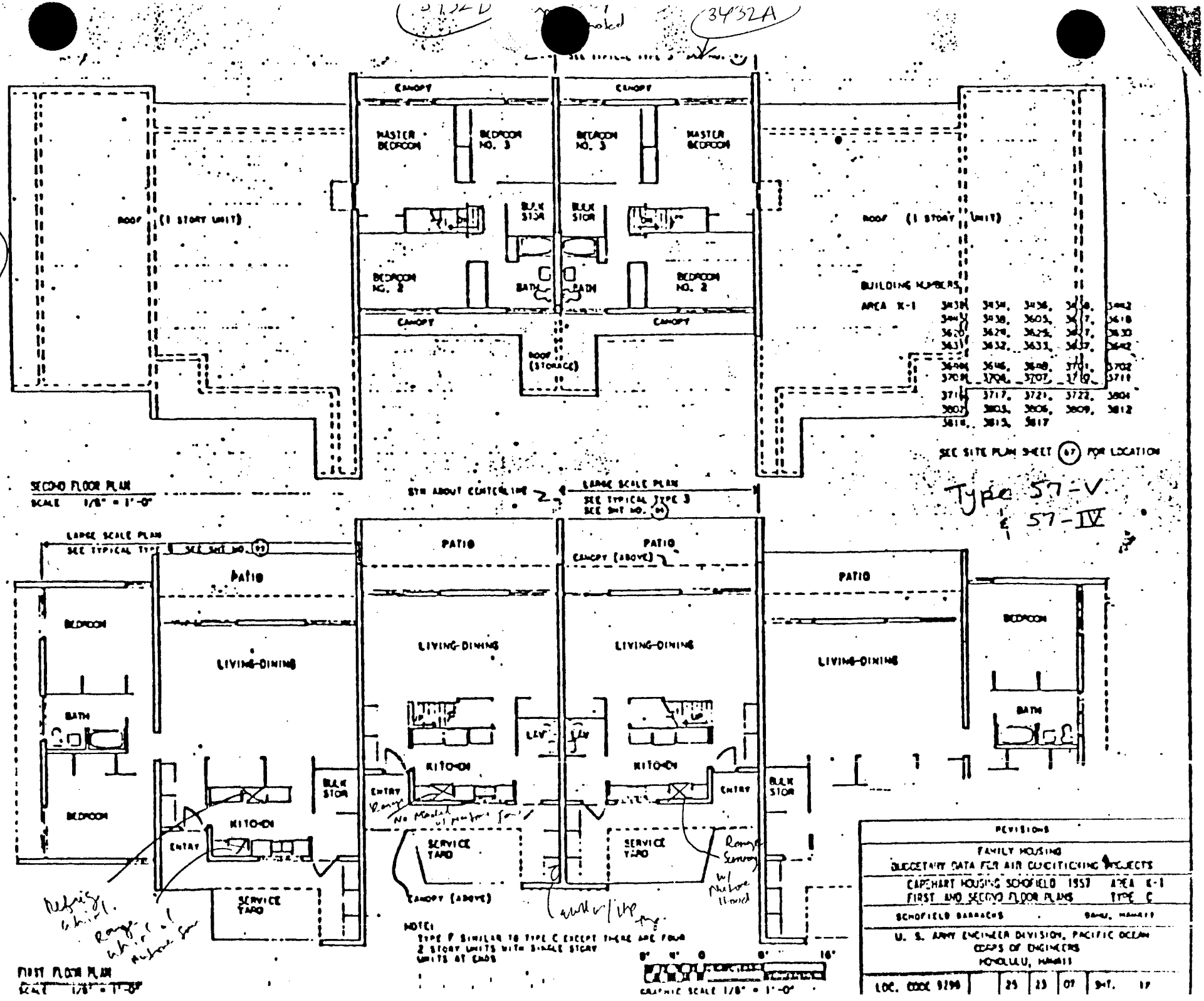
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

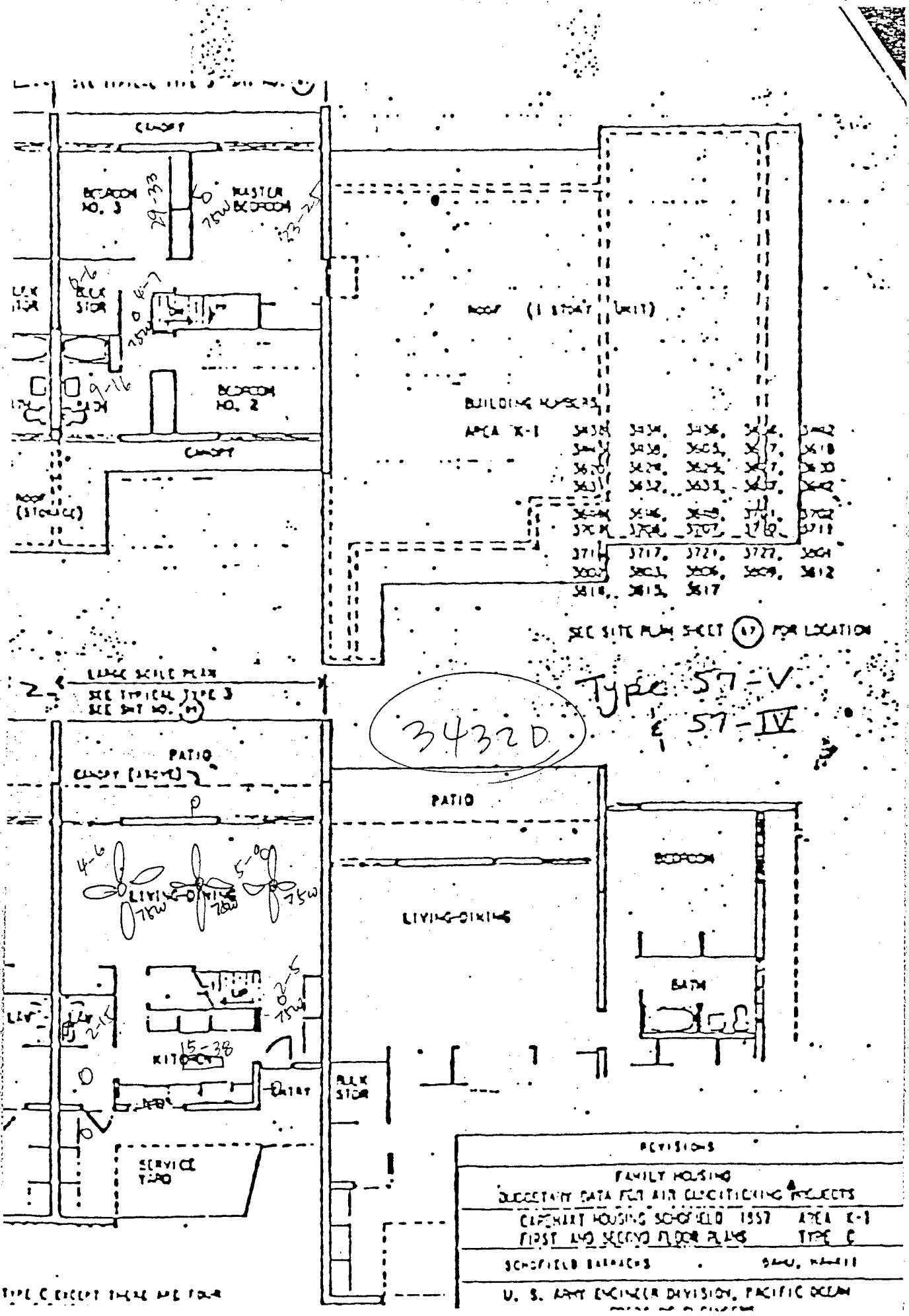
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2.2/10s	110	


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 64
PATIO
CANOPY (ABOVE)
LIVING-DINING
KITCHEN
ENTRY
BULK STOR
SERVICE YARD
BEDROOM
BATH
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
GRAPHIC SCALE 1/8" = 1'-0"
Type 57-V
57-IV
REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298
25 23 07 SHT. 17


CANOPY
BEDROOM NO. 3
MASTER BEDROOM
BEDROOM NO. 2
CANOPY
(STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET (17) FOR LOCATION
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. (14)
Type 57-V
& 57-IV
3432D
PATIO
CANOPY (ABOVE)
PATIO
LIVING-DINING
BEDROOM
BATH
KITCHEN
SERVICE YARD
REVISIONS
FAMILY HOUSING
SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CANTONMENT HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
TYPE C EXCEPT THERE ARE FOUR

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3433B

Building Type: 57 - IV

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 2

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ___

Same as S7-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

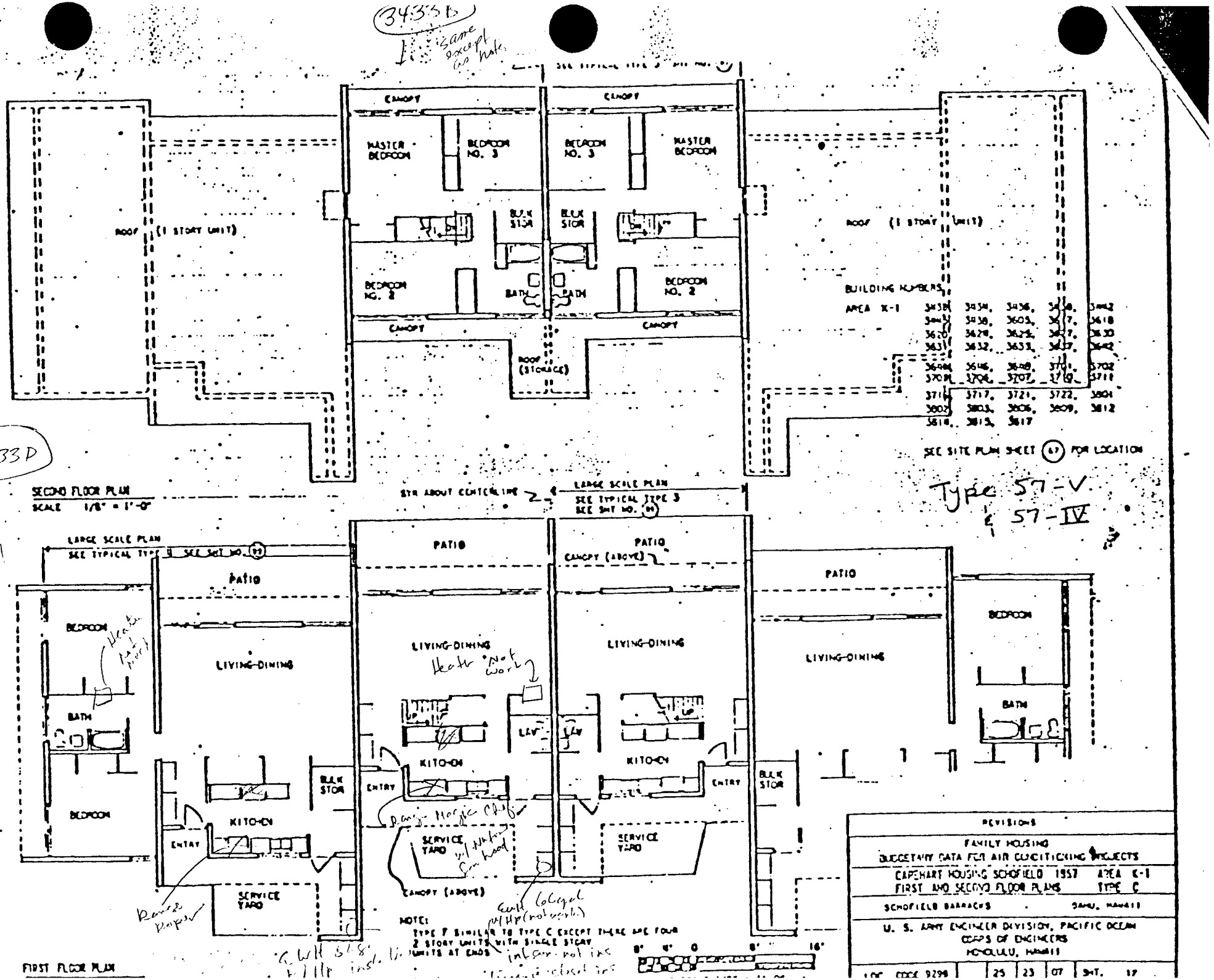
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

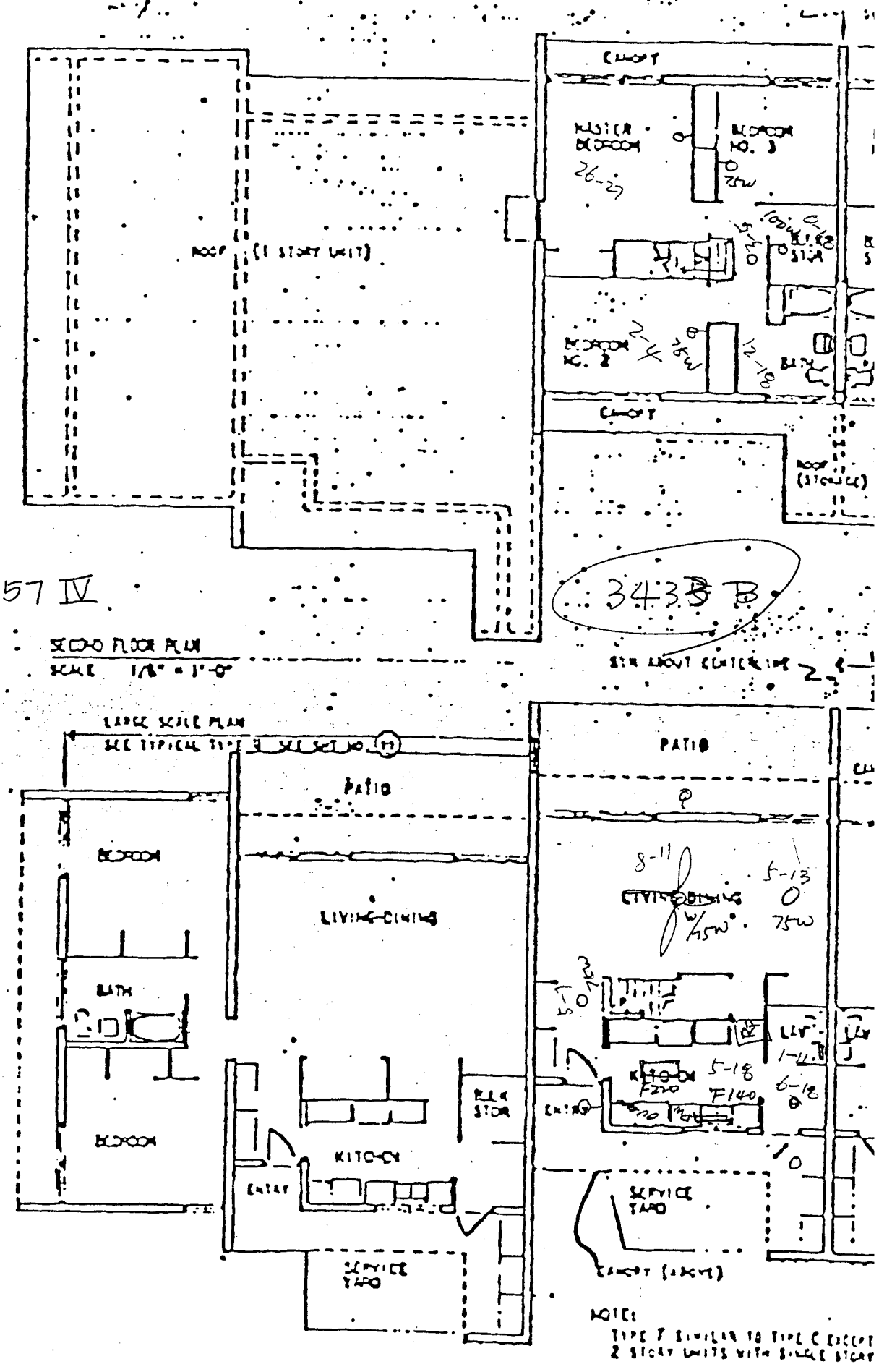
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2ℓ/10s	130	
Bathroom Shwr	1ℓ/10s	120	


3433D
same except as noted
3433D
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
Type 57-V
& 57-IV
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
5'-11 ABOUT CENTER LINE
LARGE SCALE PLAN
SEE TYPICAL TYPE B SEE SHT NO. 99
PATIO
CANOPY (ABOVE)
BEDROOM
LIVING-DINING
BATH
KITCHEN
ENTRY
SERVICE YARD
BULK STOR
Heater Not Work
Range Hood
Gas Outlet (not work)
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC CODE 9298
25 23 07 SHT. 17



TYPE 57 V & 57 IV

343 B B

SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

SITE LAYOUT CONTROL LINE

LARGE SCALE PLAN
SEE TYPICAL TYPE B SECOND FLOOR PLAN

NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT
2 STORY UNITS WITH SINGLE STORY

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3436

Building Type: 57-IV

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

Same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

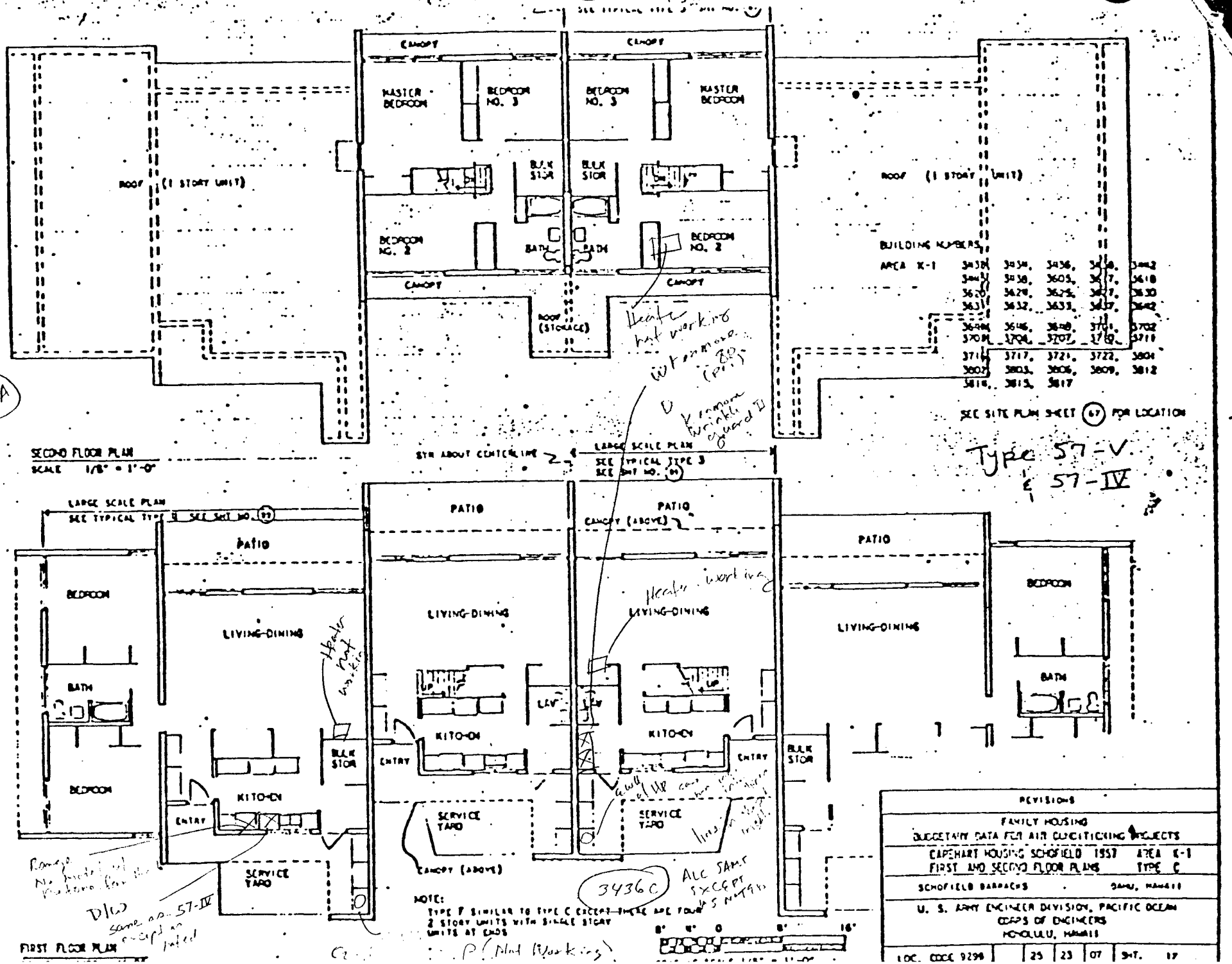
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

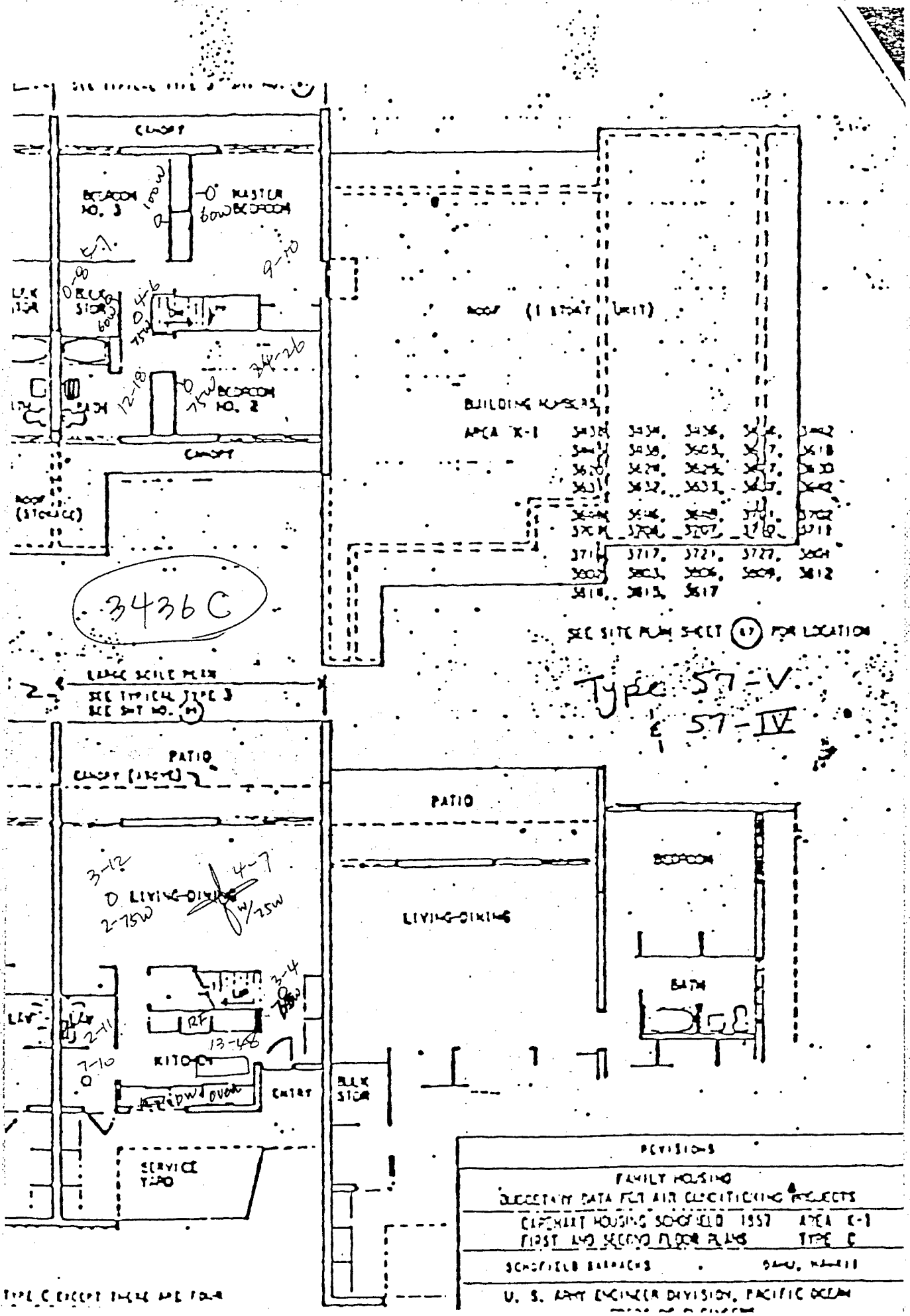
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1ℓ/10s	116	
Bathroom Shwr	1ℓ/10s	116	


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE B
SEE SHT NO. 99
SYM ABOUT CENTERLINE
LARGE SCALE PLAN
SEE TYPICAL TYPE B
SEE SHT NO. 99
PATIO
CANOPY (ABOVE)
BEDROOM
LIVING-DINING
BATH
KITCHEN
ENTRY
BULK STOR
SERVICE YARD
FIRST FLOOR PLAN
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
8' 4' 0 8' 16'
Heater not working
Kenmore Wrinkle Guard II
Type 57-V
& 57-IV
3434A
3436C
ALL SAME EXCEPT AS NOTED
Range No hood for this kitchen
D/W some 57-II except as noted
Heater not working
Heater working
Heater not working
Heater not working
Heater not



TYPE C EXCEPT THERE ARE FOUR

UNIT TYPE 57-V

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3432

Building Type: 57 - V

Apartment: 6

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 6pm on

No. of Occupants: 2

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted /

Reflective Coating

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT same as S7.-11

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

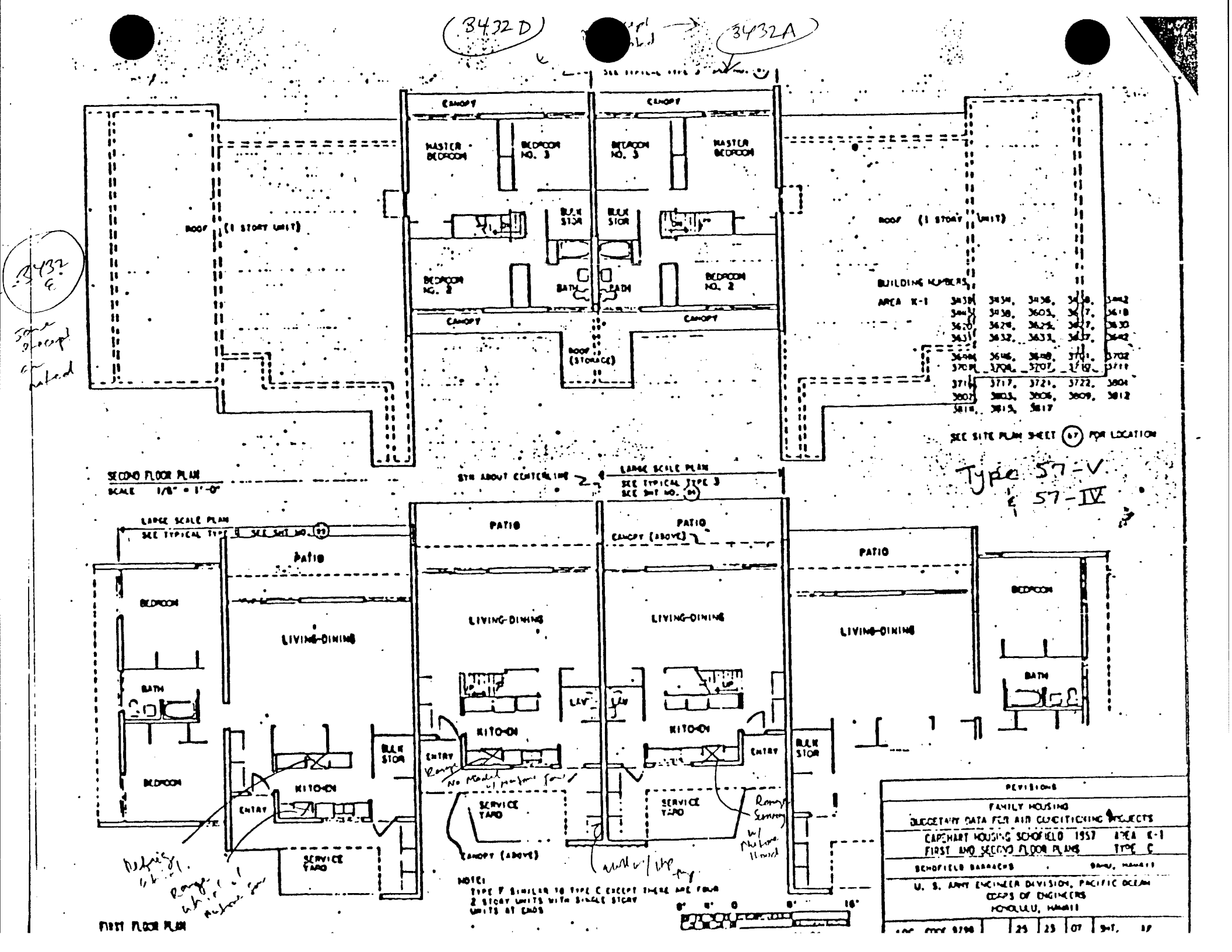
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

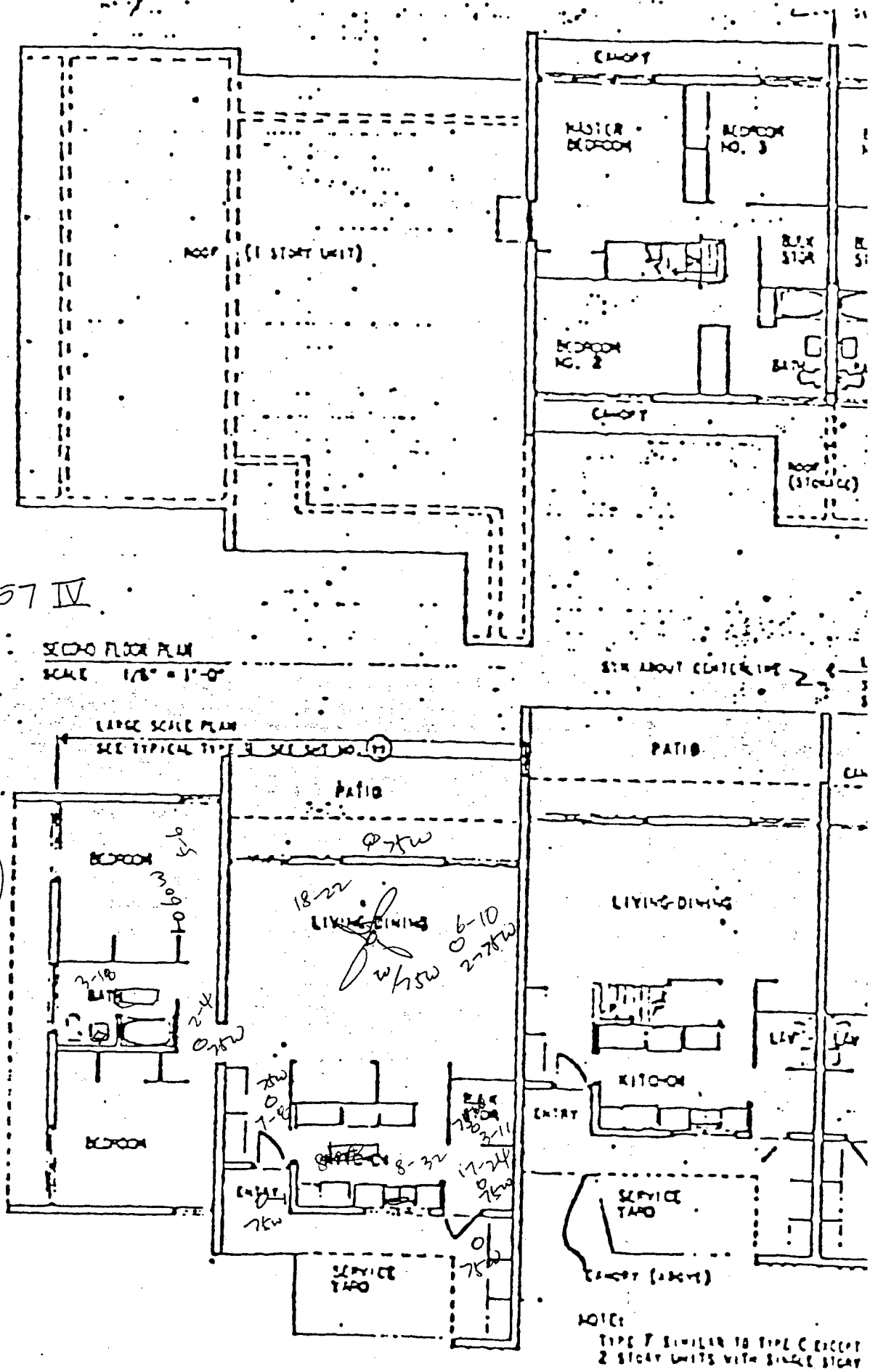
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1k/105	118	faucet Head changed


3432 D
3432A
3432 C
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 66
5TH ABOUT CENTERLINE
PATIO
CANOPY (ABOVE)
BEDROOM
LIVING-DINING
BATH
KITCHEN
ENTRY
BULK STOR
SERVICE YARD
Type 57-V
& 57-IV
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
REVISIONS
FAMILY HOUSING
SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII


TYPE 57 V & 57 IV
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE
PATIO
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
3432 E
reverse
NOTE:
TYPE V SIMILAR TO TYPE C EXCEPT
2 STORY UNITS WITH SINGLE STAIR

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3433D

Building Type: 57-V

Apartment: D

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-B

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

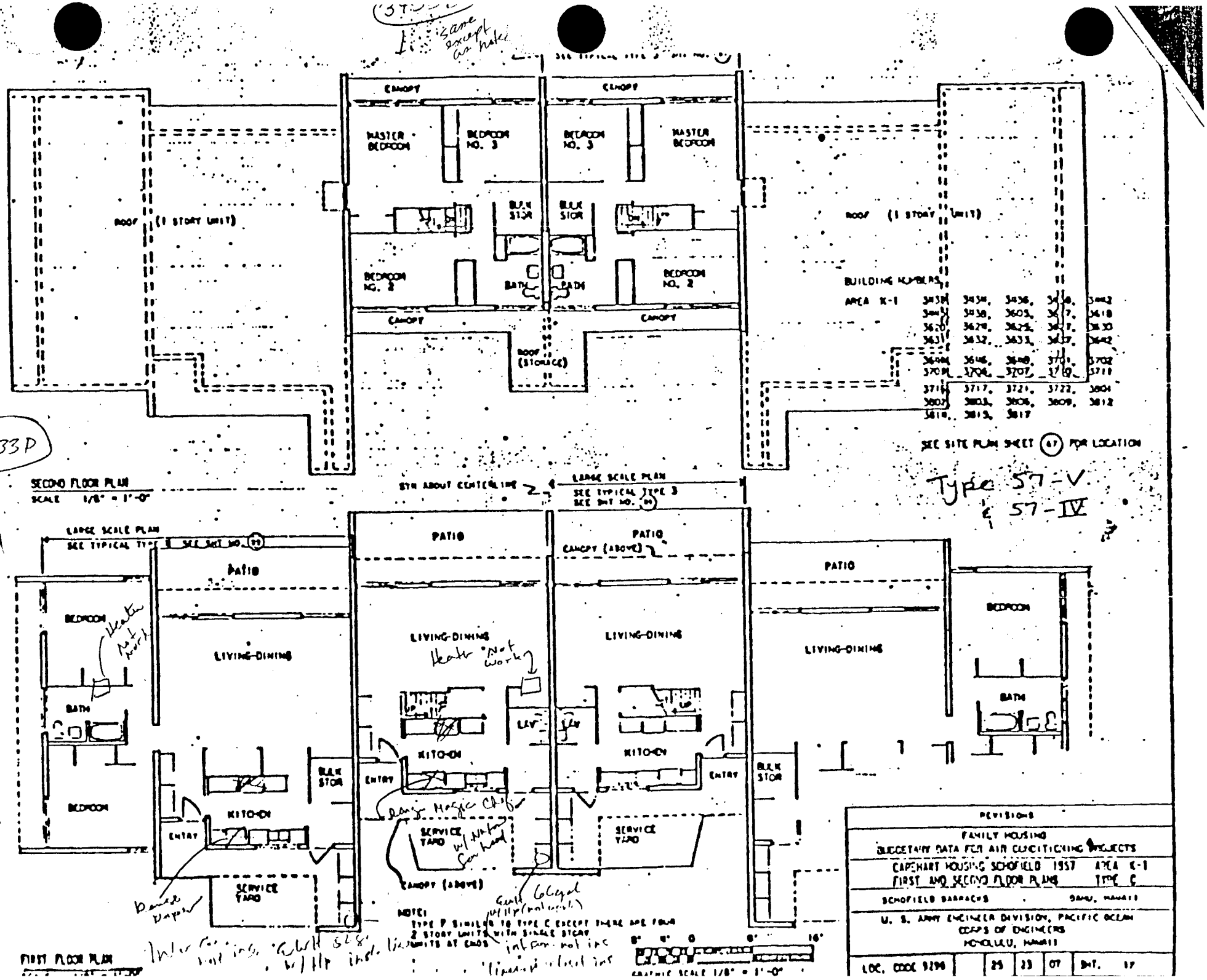
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

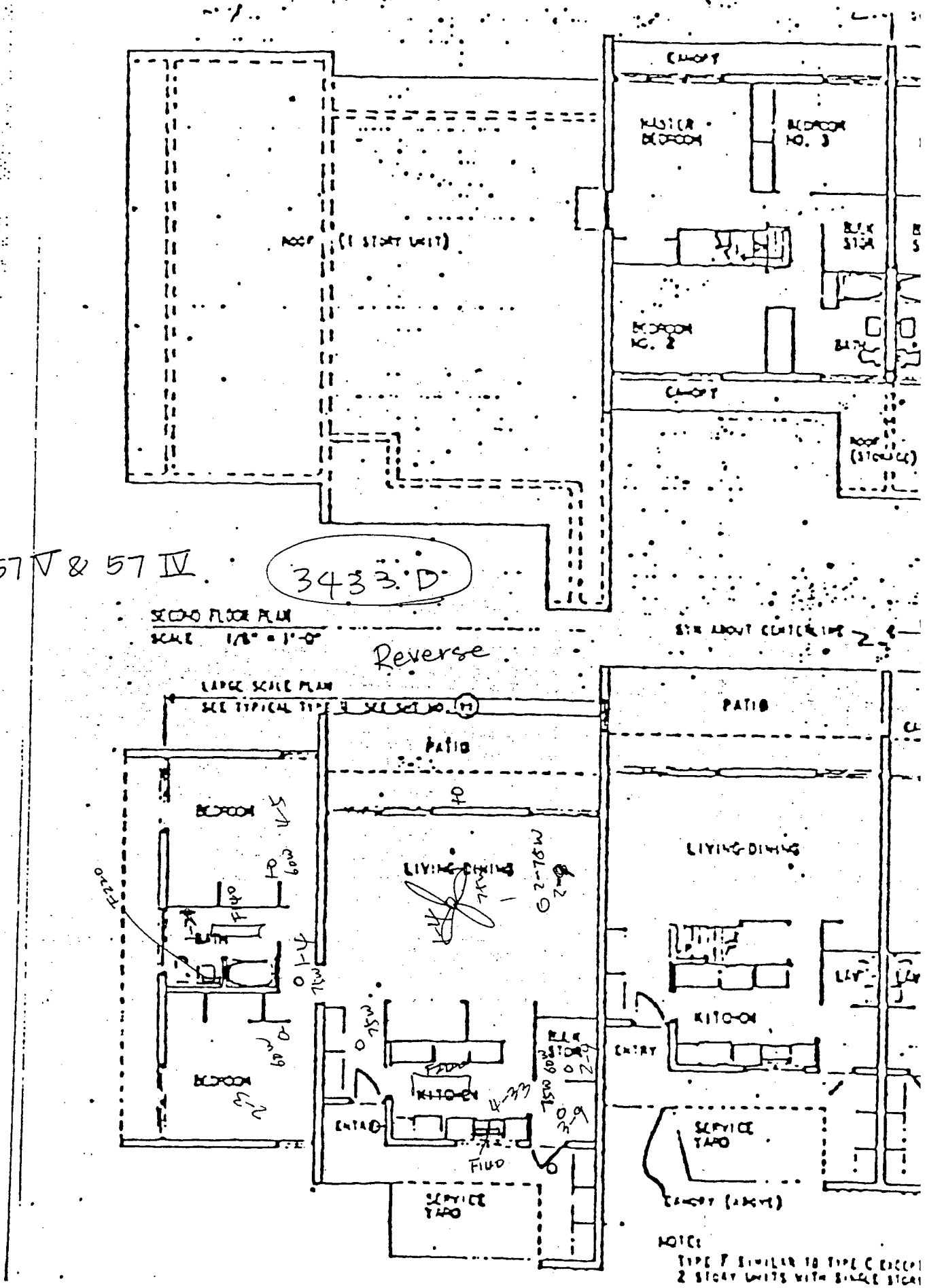
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	1.5ℓ/1as	98°	
Bathroom Shwr	3ℓ/1oc	98	


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 99
PATIO
CANOPY (ABOVE)
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
BEDROOM
BATH
FIRST FLOOR PLAN
NOTE: TYPE P SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9296
25
23
07
SHT. 17


TYPE 57 V & 57 IV
3433.D
Reverse
PATIO
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
BEDROOM
BATH
ROOF (1 STORY UNIT)
NOTE:

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3434

Building Type: 57 - V

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 5 pm

No. of Occupants: 2

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as SM-II

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

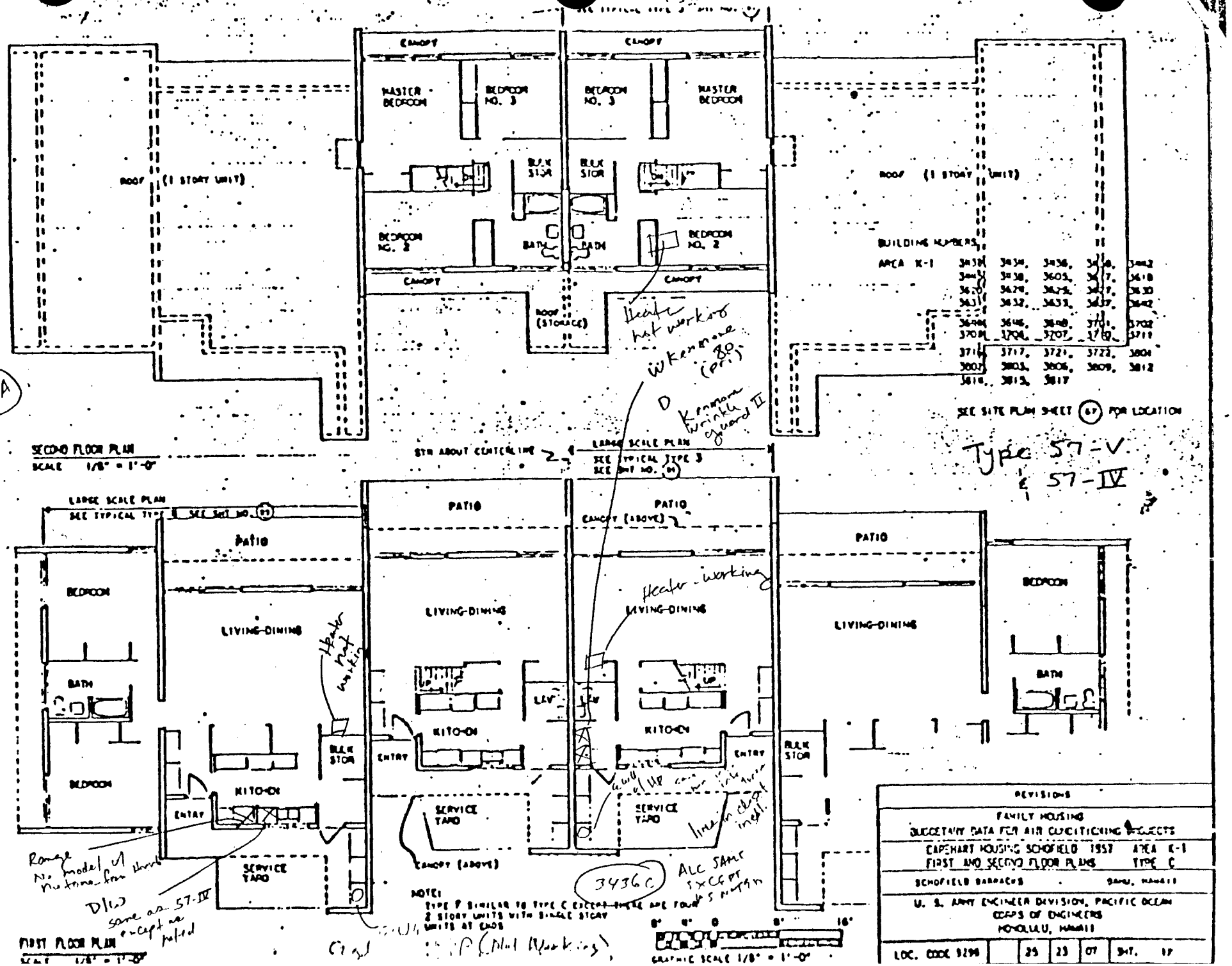
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

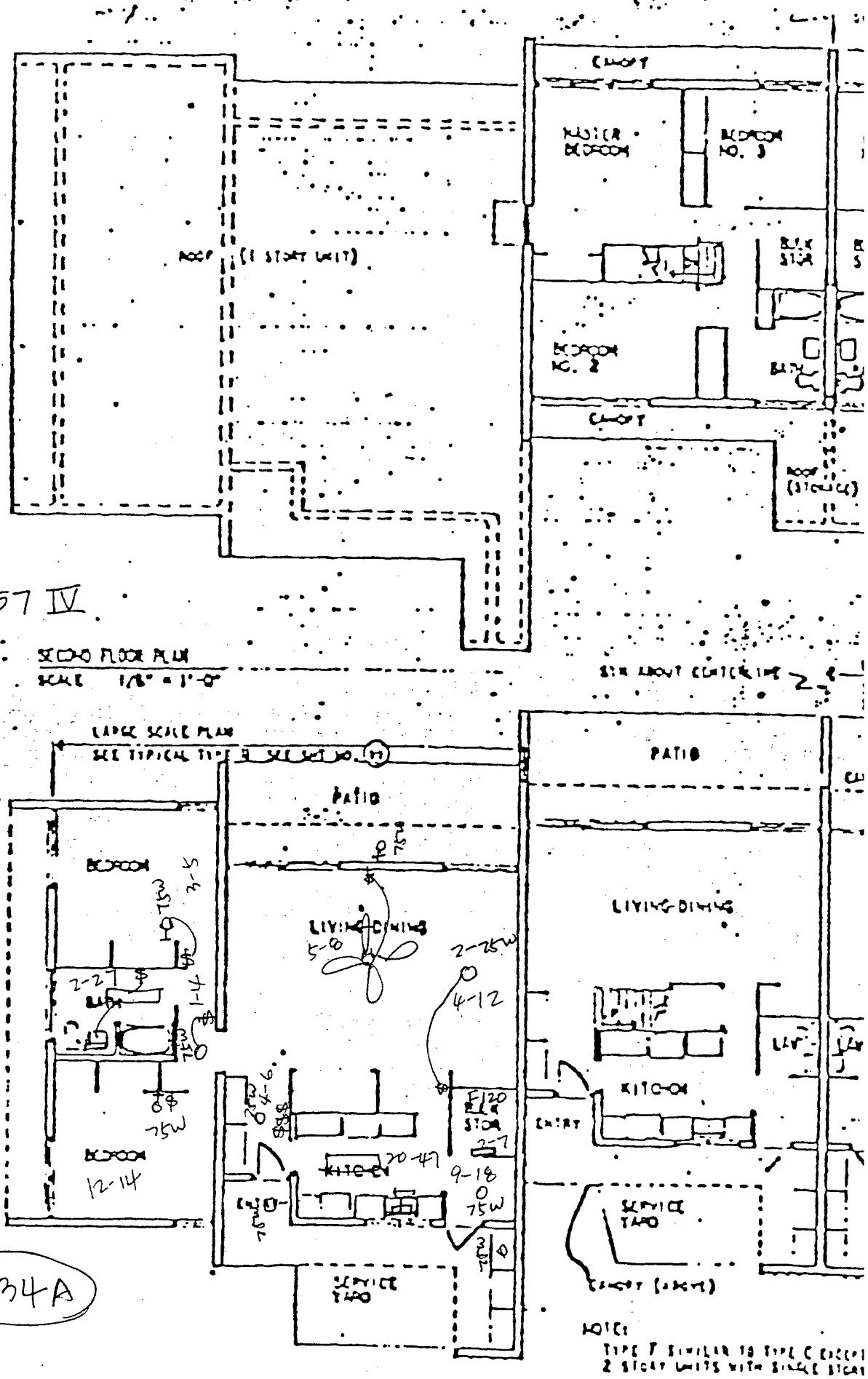
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT. SK	1.5ℓ/10s	128F	
Bathroom Shwr	1ℓ/10s	122	


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
Heater not working
Kenmore 80 (pri)
Kenmore Wrinkle Guard II
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
Type 57-V
& 57-IV
3434A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
PATIO
CANOPY (ABOVE)
LIVING-DINING
KITCHEN
ENTRY
BEDROOM
BATH
SERVICE YARD
Heater working
Heater not working
Range model # No name-plate there
D/W same as 57-IV except as noted
3436C
ALL SAME EXCEPT
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
NOTE:
TYPE B SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 3 STORY UNITS WITH SINGLE STORY 2 UNITS AT ENDS
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SUCCETAW DATA FOR AIR CURCITICHING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298
25
23
07
SHT. 17



TYPE 57 V & 57 IV

3434A

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3440

Building Type: 57-V

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: All Day

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 20

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction same as S7-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

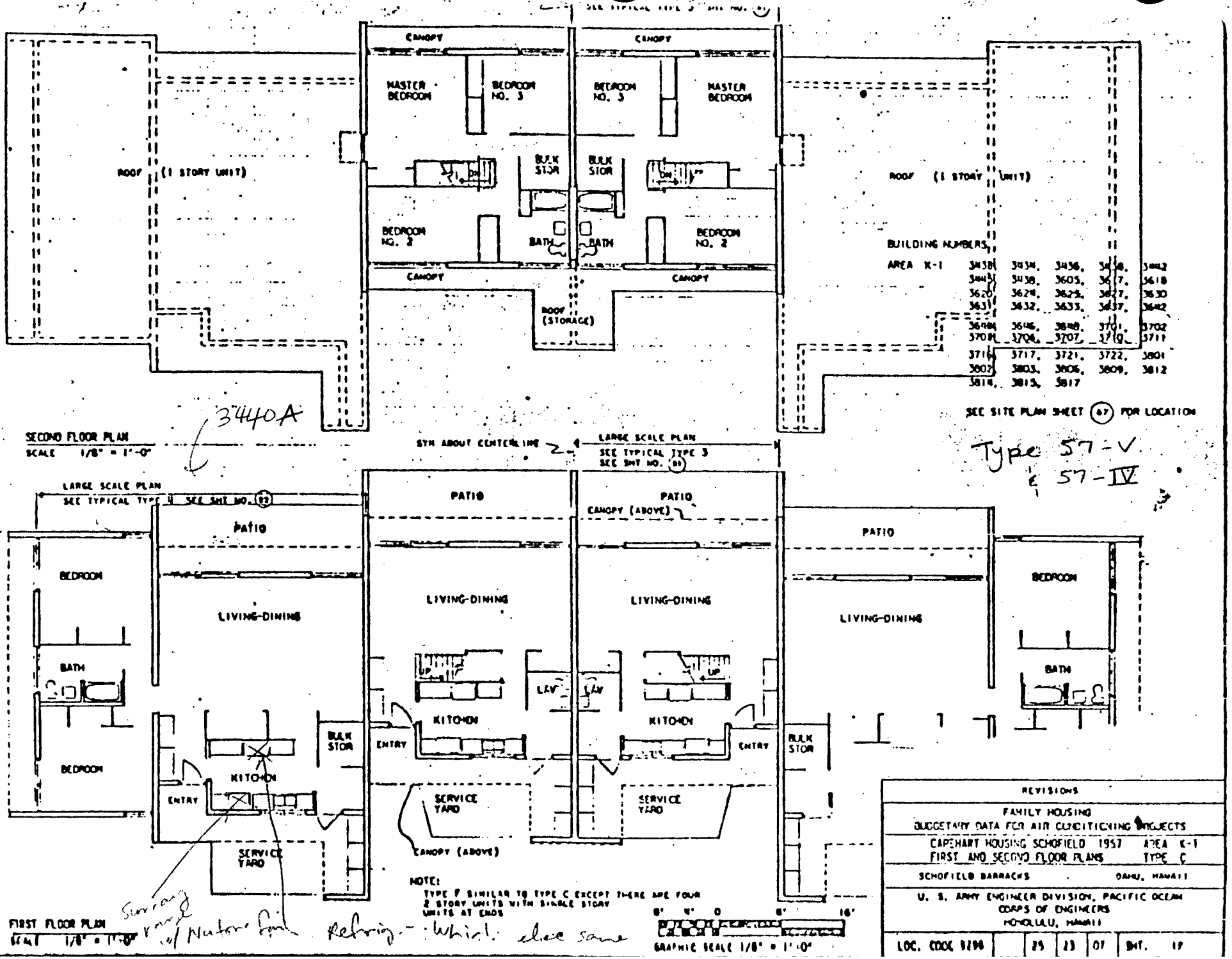
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

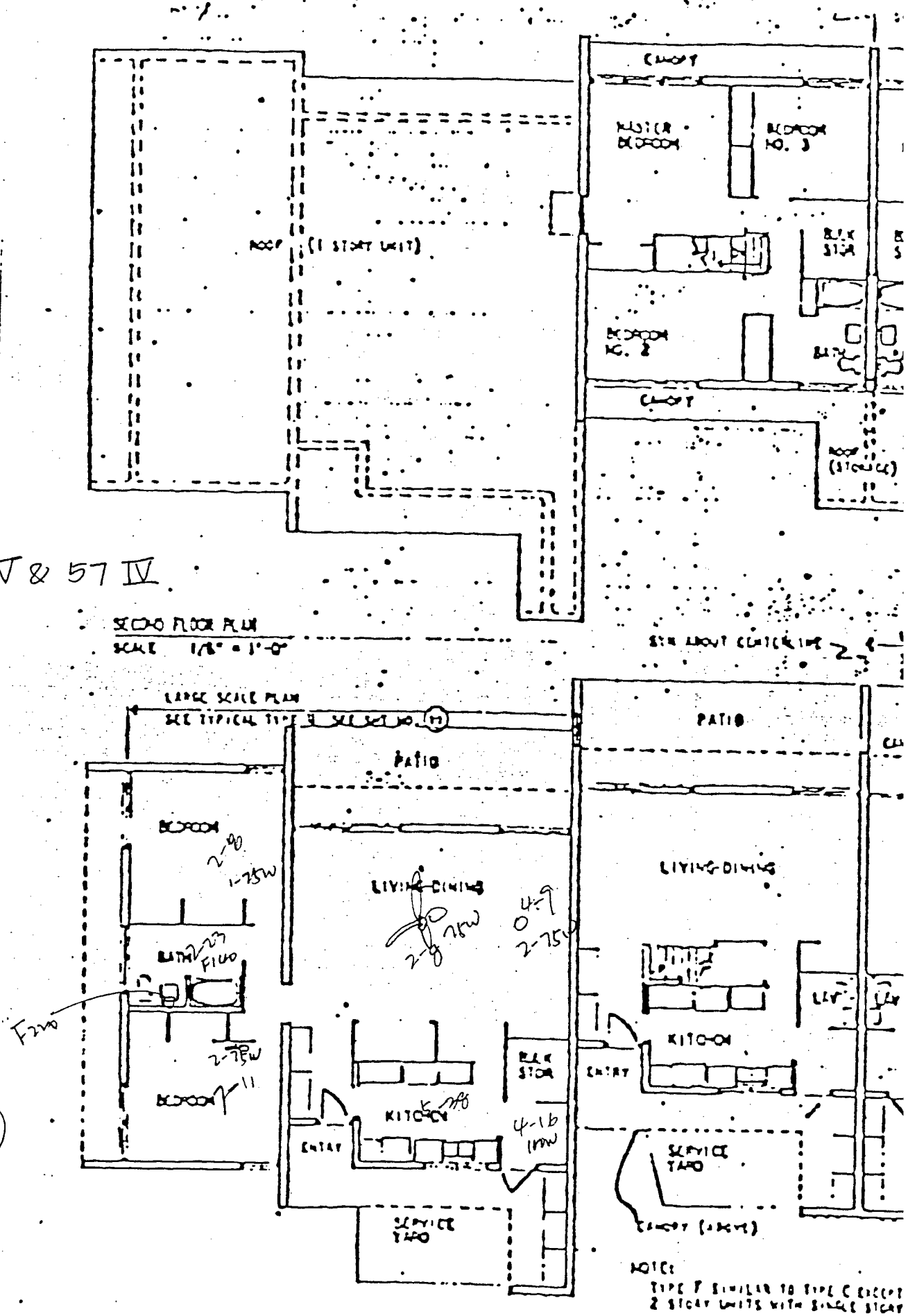
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	1.5ℓ/10s	12¢	Restrict. on faucet


CANOPY
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 3
MASTER BEDROOM
ROOF (1 STORY UNIT)
BULK STOR
BULK STOR
BEDROOM NO. 2
BATH
BATH
BEDROOM NO. 2
CANOPY
CANOPY
ROOF (STORAGE)
ROOF (1 STORY UNIT)
BUILDING NUMBERS
AREA K-1 3438, 3434, 3436, 3440, 3442
3443, 3438, 3605, 3607, 3618
3620, 3629, 3625, 3627, 3630
3631, 3632, 3633, 3637, 3642
3698, 3646, 3698, 3701, 3702
3708, 3708, 3707, 3710, 3711
3716, 3717, 3721, 3722, 3801
3802, 3803, 3806, 3809, 3812
3814, 3815, 3817
SEE SITE PLAN SHEET 67 FOR LOCATION
3440A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
SYM ABOUT CENTERLINE
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 81
Type 57-V
& 57-IV
LARGE SCALE PLAN
SEE TYPICAL TYPE 4 SEE SHT NO. 82
PATIO
PATIO
CANOPY (ABOVE)
PATIO
BEDROOM
LIVING-DINING
LIVING-DINING
LIVING-DINING
BEDROOM
BATH
BATH
BEDROOM
KITCHEN
KITCHEN
BULK STOR
ENTRY
ENTRY
BULK STOR
KITCHEN
ENTRY
SERVICE YARD
SERVICE YARD
SERVICE YARD
CANOPY (ABOVE)
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
Service range w/ Nature fan Refrig. - Whirl. else same
8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298 25 23 07 SHT. 17



TYPE 57 V & 57 IV

NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT 2 STORY UNITS WITH SINGLE STAIR

2440 A

Date: 1/17/90

Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3442

Building Type: S7-V

Apartment: D

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 15

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 17-111

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

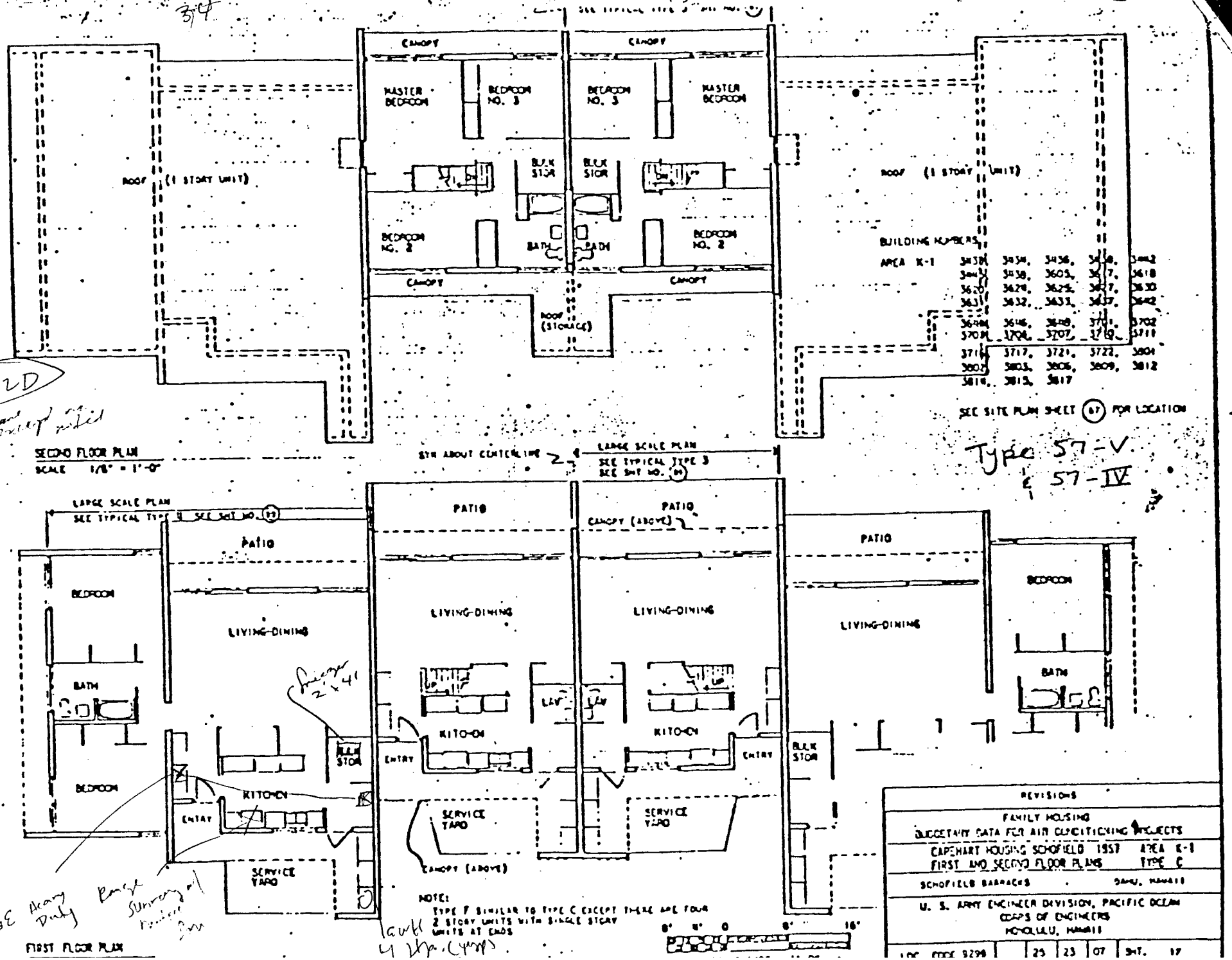
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

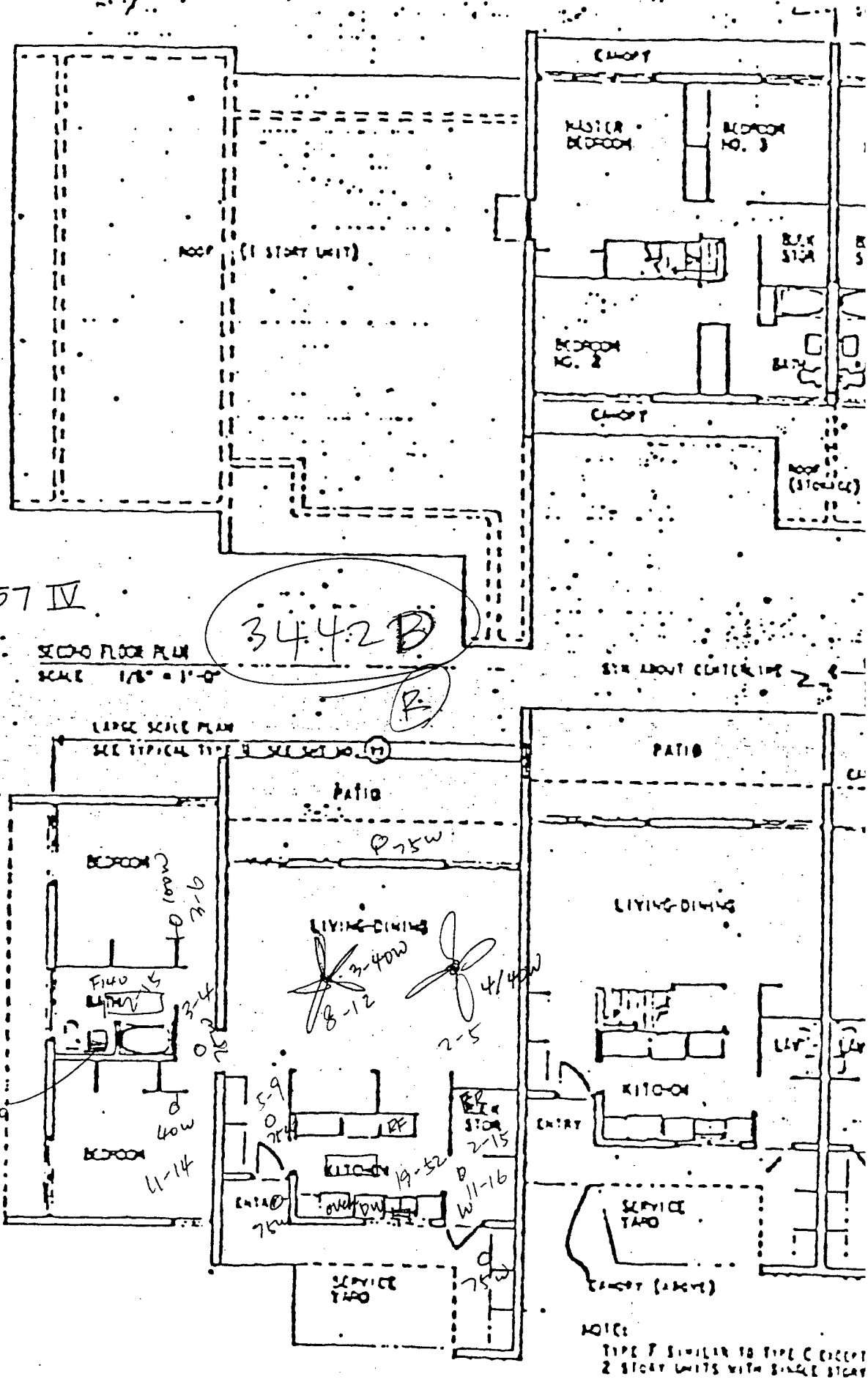
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. SK	1.5l/10s	116 F	
Bathroom Shwr	11/10s	112	Shower Massage Head


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BULK STOR
BATH
ROOF (1 STORY UNIT)
ROOF (STORAGE)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 94
PATIO
CANOPY (ABOVE)
BEDROOM
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
BULK STOR
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
REVISIONS
FAMILY HOUSING
SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII


TYPE 57 V & 57 IV
3-42 D
R
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE
PATIO
LIVING-DINING
KITCHEN
ENTRY
SERVICE YARD
BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
CLOSET
ROOF (1 STORY UNIT)
ROOF (STORAGE)
F-229
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT
2 STORY UNITS WITH SINGLE STORY

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3444

Building Type: 57-V

Apartment: E

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 2.

Average No. of Showers/Day: 2/day

Average No. of Laundry Loads/Week: 1/week.

Average No. of Times Dishwasher Used/Day: N/A.

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Same as CT-111

Roof (Incl. Clg.) Type: F _____ P _____
Color: D _____ M _____ L _____

Material Thickness (In.) R Value

Outside Film

Insulation

Inside Film

Total

U-Factor _____ Area

Window Yes / No

Tinted

Reflective Coating /

same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

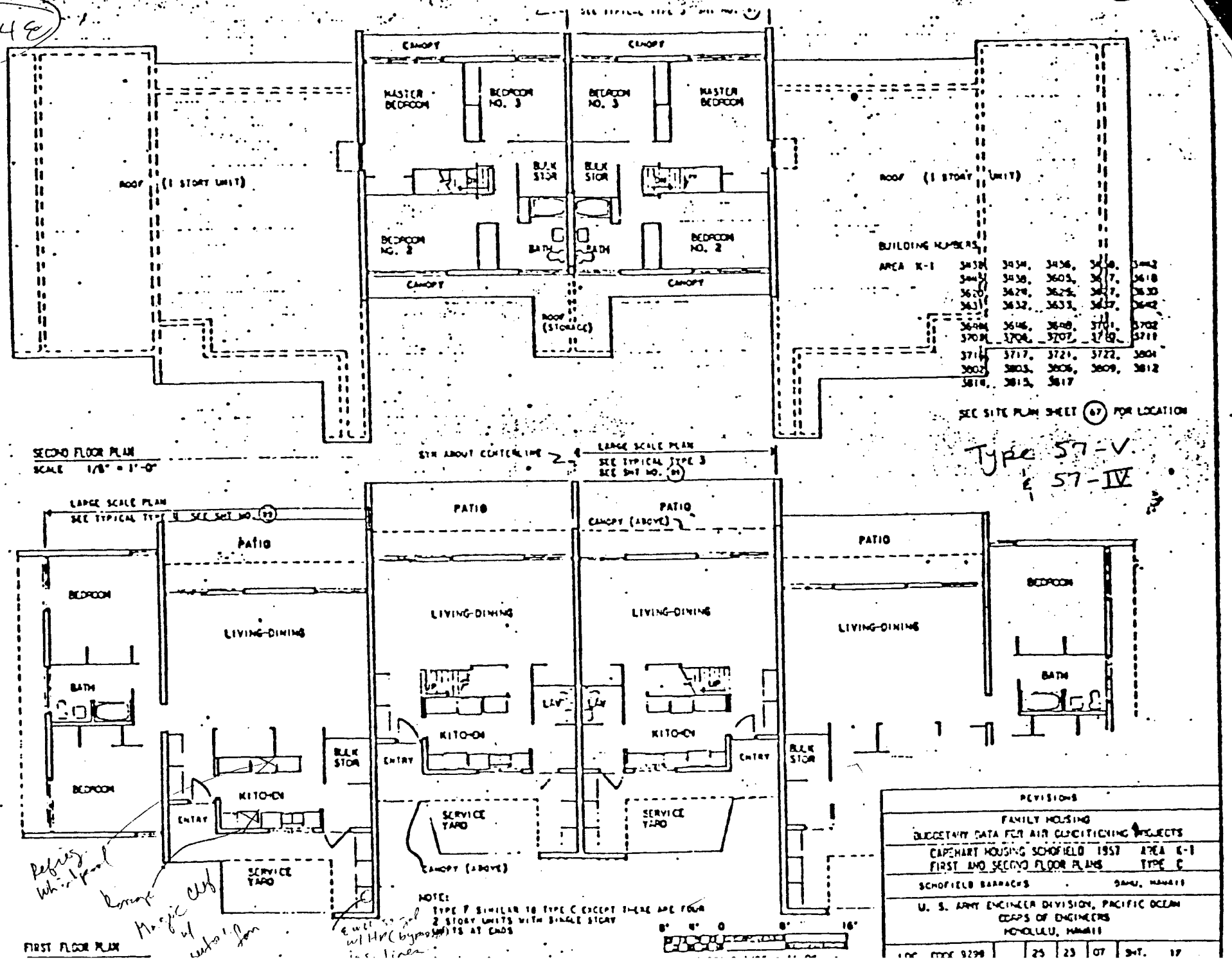
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

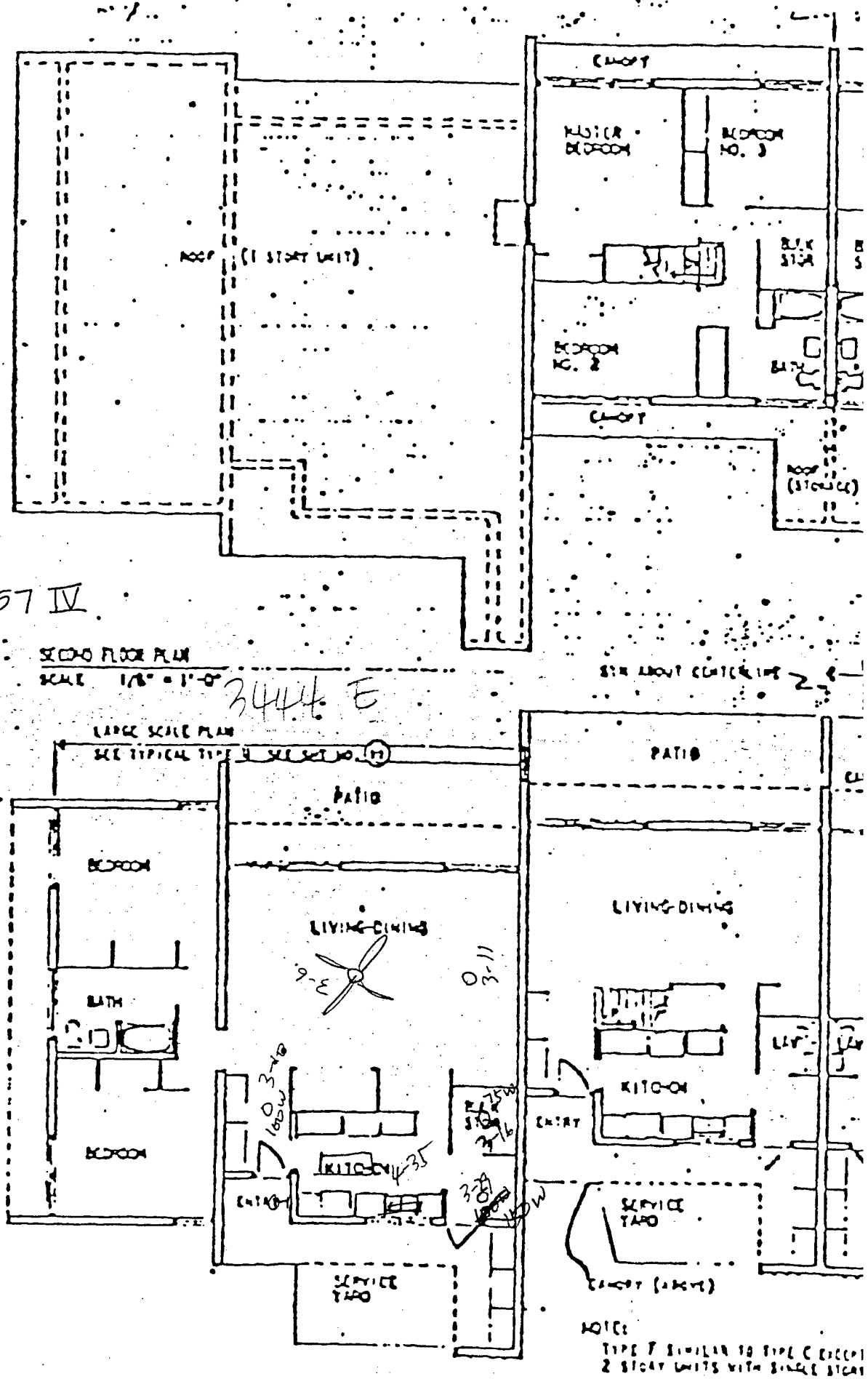
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5 l/10s	130 F	Flow Rest. on faucet


CANOPY
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 3
MASTER BEDROOM
ROOF (1 STORY UNIT)
BULK STOR
BULK STOR
BEDROOM NO. 2
BATH
BATH
BEDROOM NO. 2
CANOPY
CANOPY
ROOF (STORAGE)
ROOF (1 STORY UNIT)
BUILDING NUMBERS
AREA K-1
SEE SITE PLAN SHEET 67 FOR LOCATION
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SEE SHT NO. 24
5'R ABOUT CENTERLINE
LARGE SCALE PLAN
SEE TYPICAL TYPE 3 SEE SHT NO. 24
PATIO
PATIO
CANOPY (ABOVE)
PATIO
PATIO
BEDROOM
LIVING-DINING
LIVING-DINING
LIVING-DINING
BEDROOM
BATH
BEDROOM
KITCHEN
KITCHEN
ENTRY
ENTRY
BULK STOR
BULK STOR
SERVICE YARD
SERVICE YARD
SERVICE YARD
CANOPY (ABOVE)
NOTE:
TYPE F SIMILAR TO TYPE C EXCEPT THERE ARE FOUR 2 STORY UNITS WITH SINGLE STORY UNITS AT ENDS
FIRST FLOOR PLAN
0' 8' 0 8' 16'
REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CURTICIVING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA K-1
FIRST AND SECOND FLOOR PLANS TYPE C
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 9298
25
23
07
SHT. 17



TYPE 57 V & 57 IV

UNIT TYPE 57-VI

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3430

Building Type: S7-V1

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 12

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

Same as S.7-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

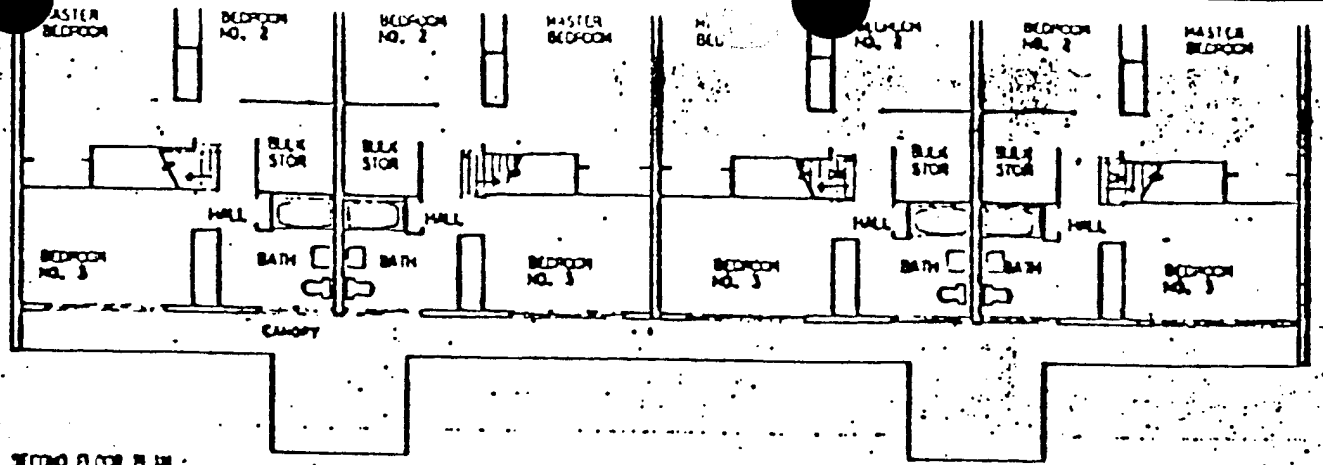
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2ℓ/10s	120	

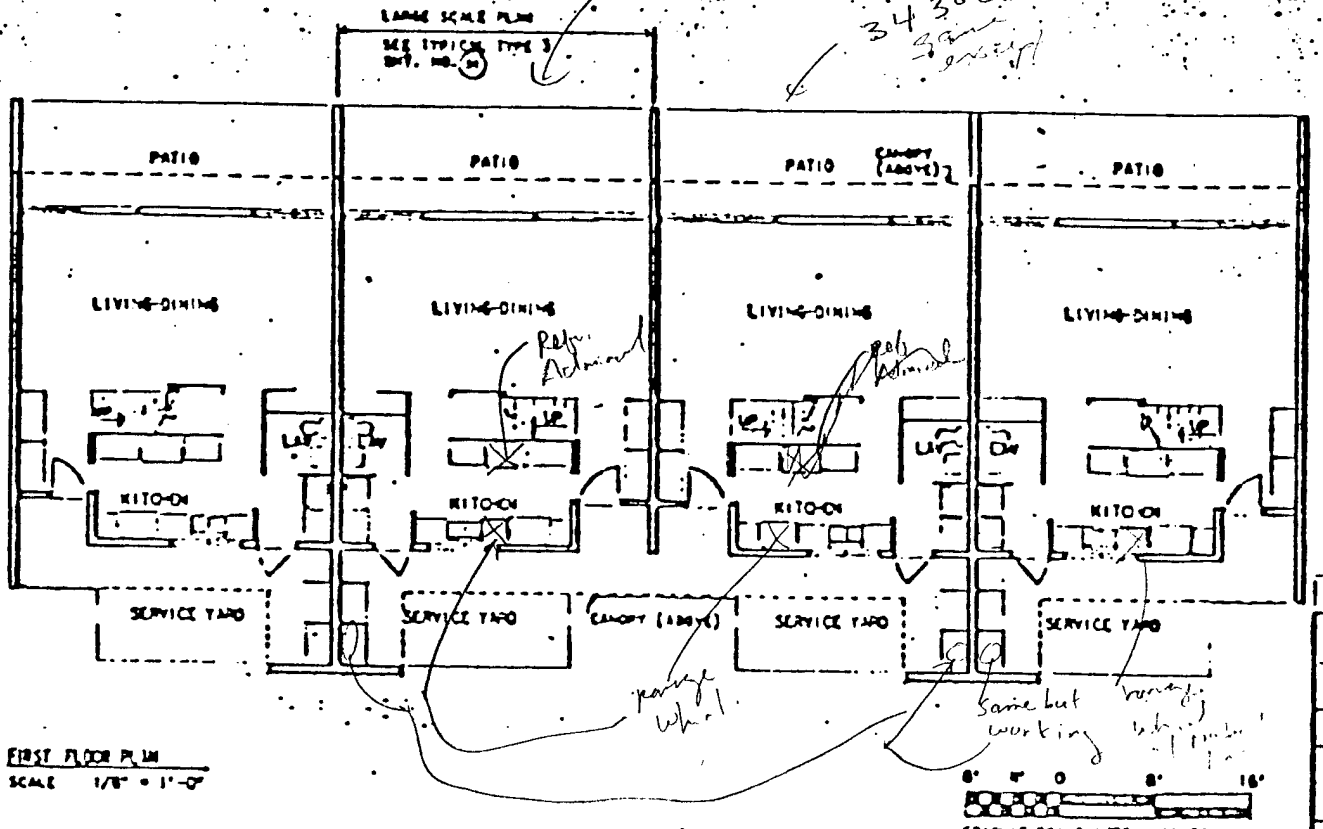


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3430 B

3430 C same except

3704 D same except as noted



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATION

Type 57-VI

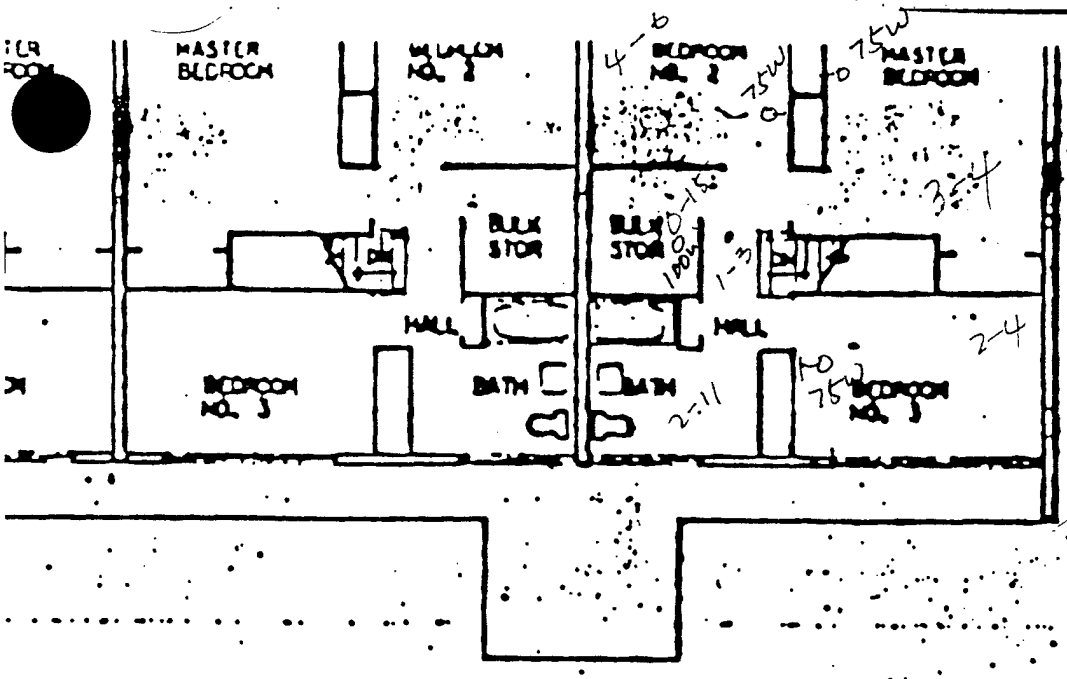
REVISIONS

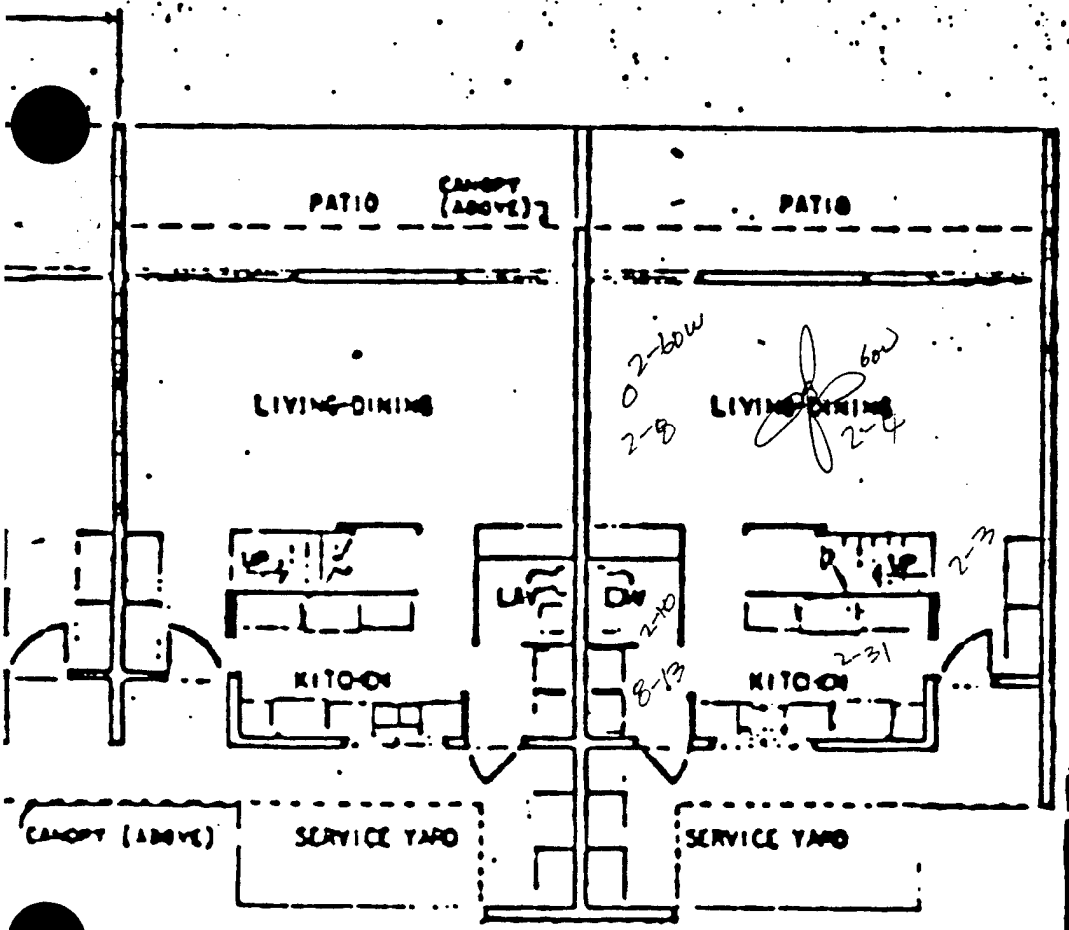
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 LOCS E-1
FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 5270		25	23	07	SHT. 16

MAY 1957

73





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATIO

Type 57-VI

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONI
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8290 | | 25 | 23 | 07

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3430

Building Type: 57-V1

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Same as S7-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

3.0 HOT WATER SYSTEM Same as 57-111

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

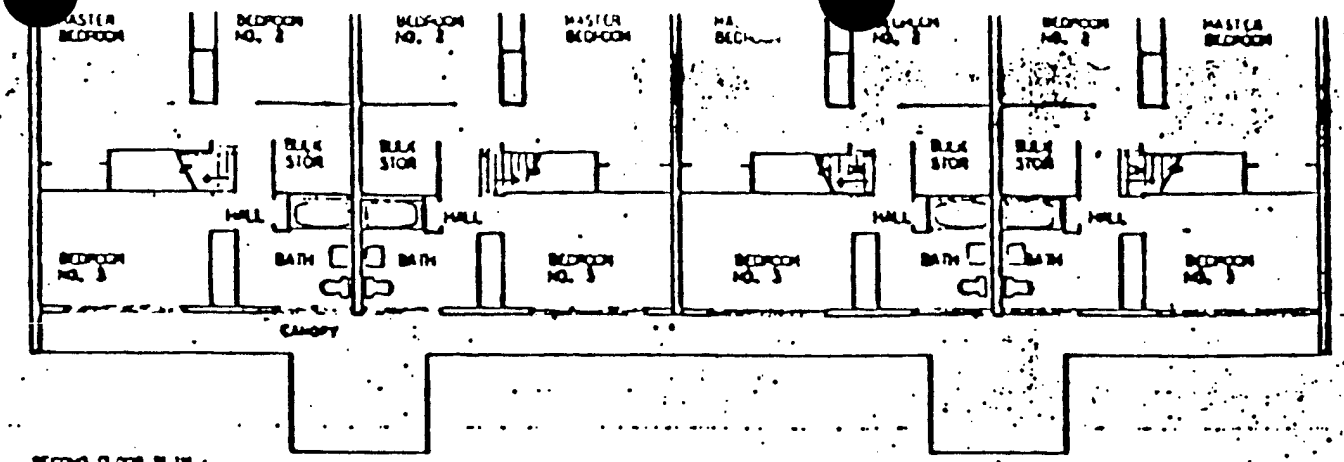
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2l/10c	104	

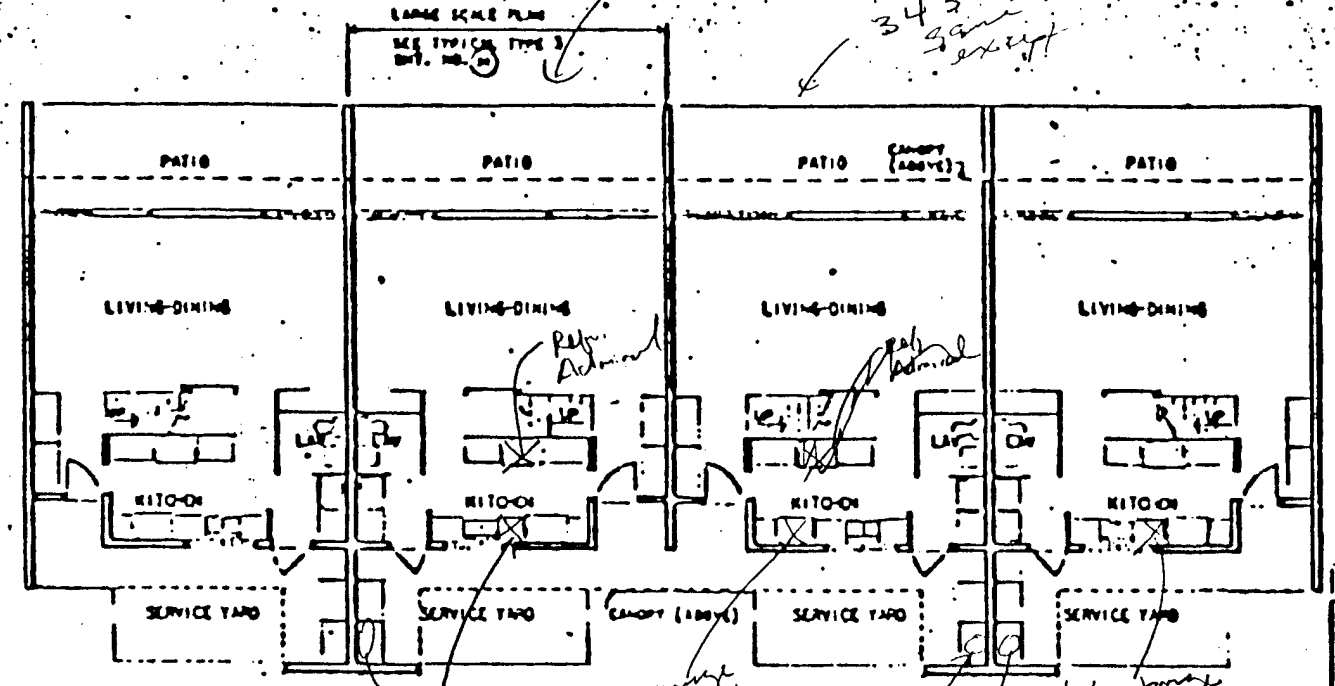


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

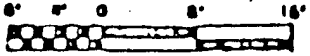
3430 B

3430 C same except

3704 D same except mirrored



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS
3430, 3808, 3704, 3713
3720, 3809

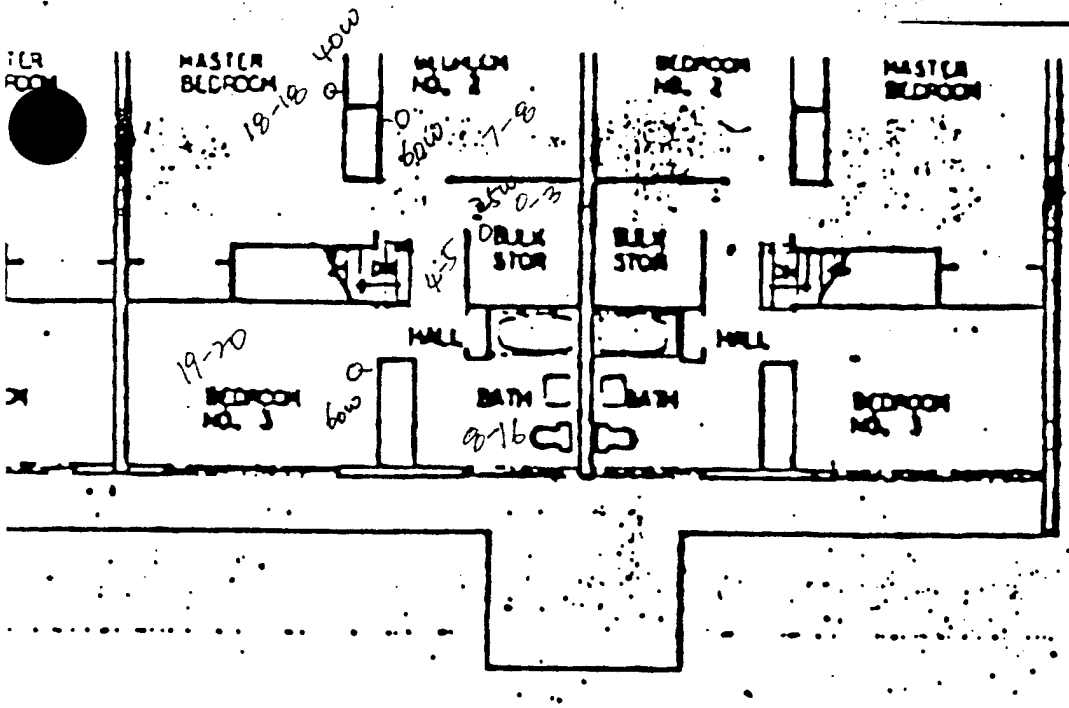
SEE SITE PLAN SHEET (62) FOR LOCATION

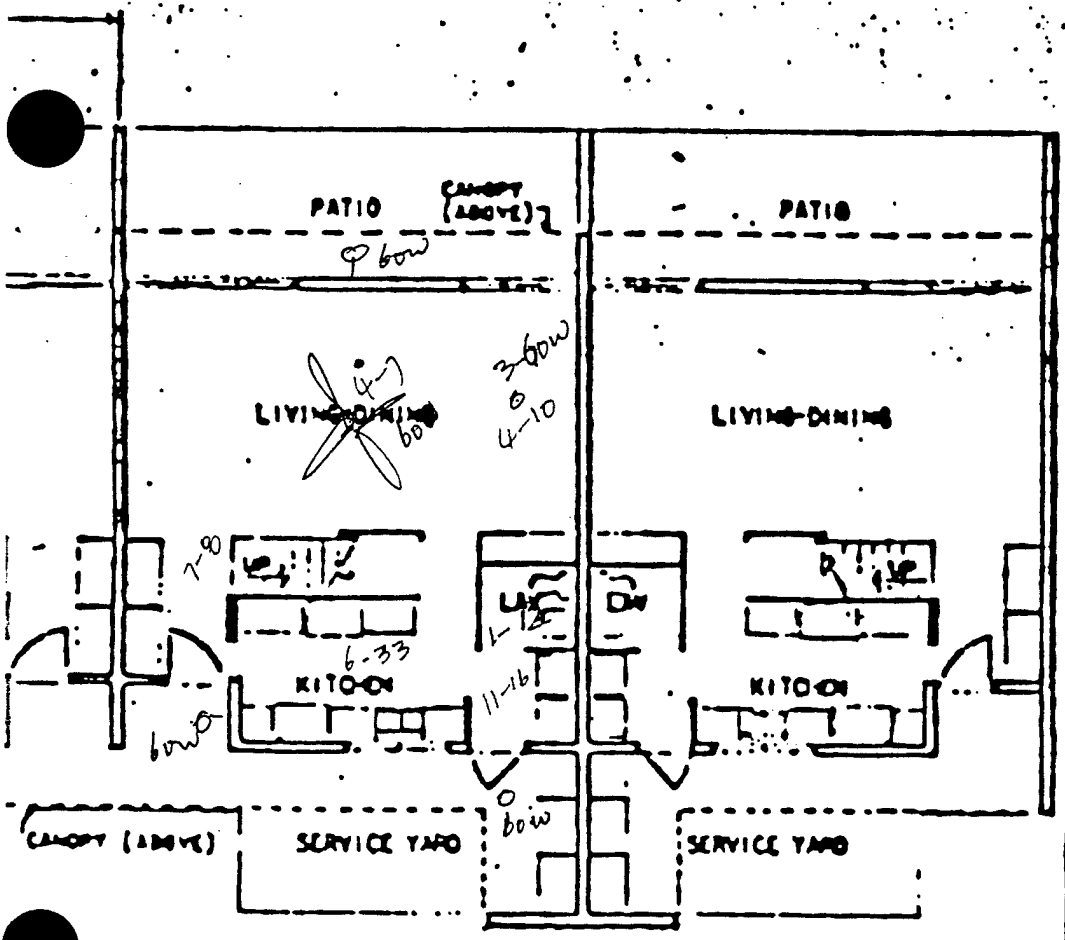
Type S7-VI

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CARPENTRY HOUSING SCHOFIELD 1957 AREA C-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | 25 | 23 | 09 | SHT. 10

NOV 1957

93





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (07) FOR LOCATI

Type 57-VI

8' 4' 0 8' 16'

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONI	
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8790	25 23 07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3704

Building Type: 57-V1

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 5

Average No. of Showers/Day: ~ 3

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ___

Same as S7-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

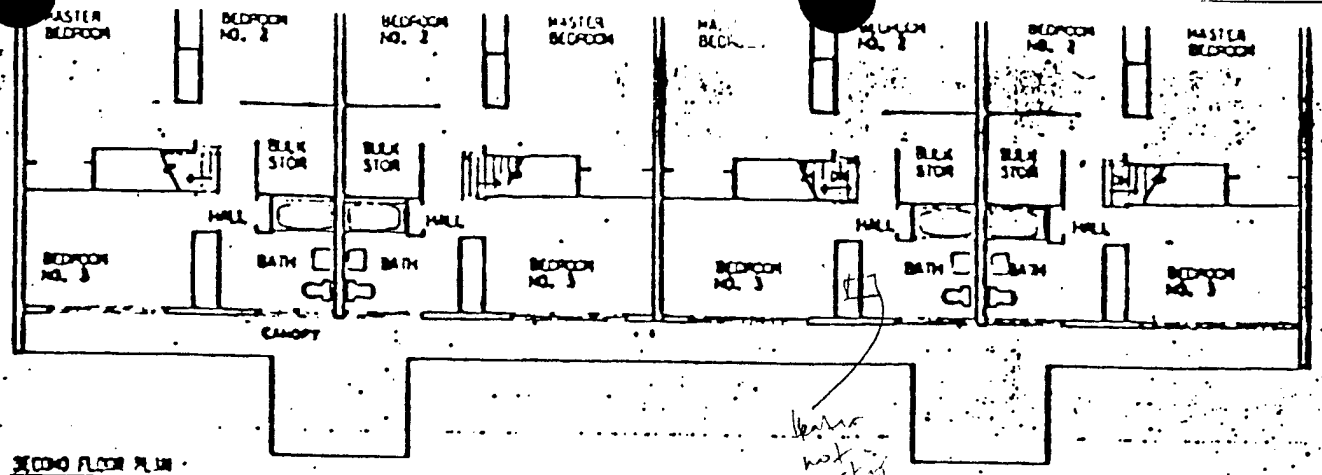
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Callons HW/Wash _____
4) Electrical Data _____

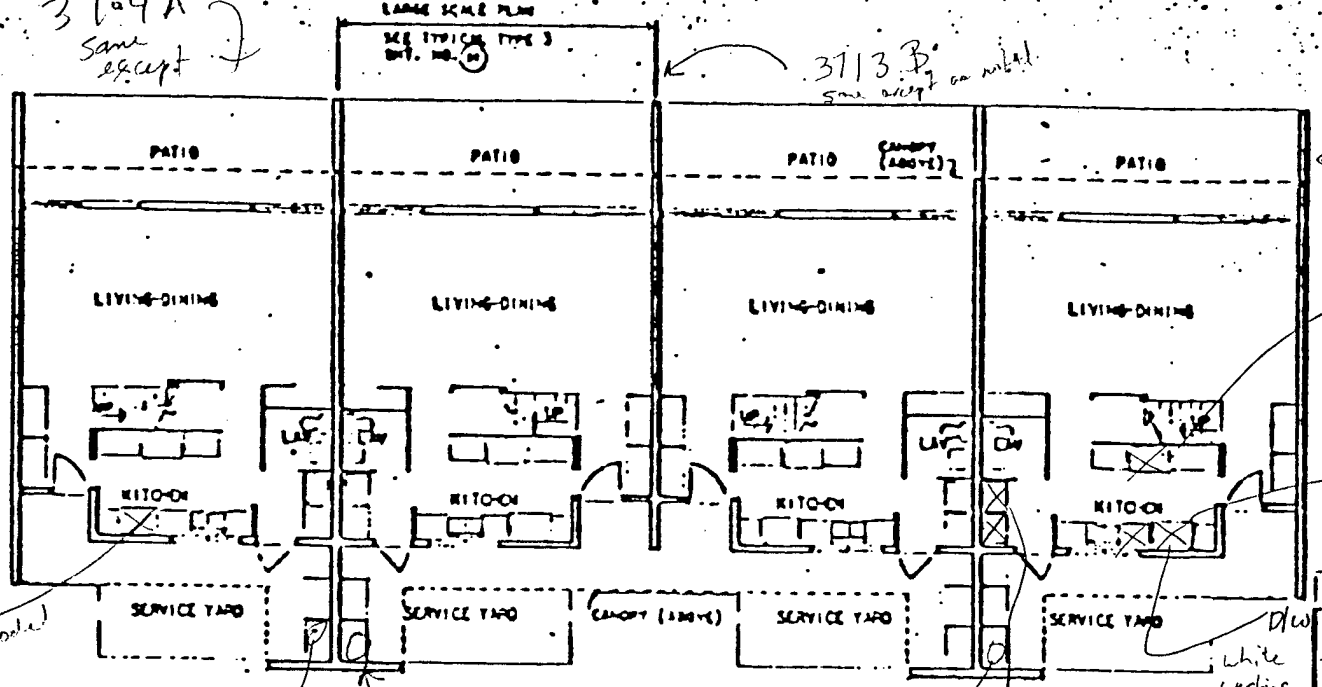
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. SK	2L	120	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3704A same except ?



3713 B same except on mirror

3713 D

Refrig.-- Gibson Frost Free

BUILDING NUMBERS
3430, 3608, 3704, 3713
3729, 3807

SEE SITE PLAN SHEET (67) FOR LOCATION

Range - Vesta w/ Nuton Lam model 860

Type 57-VI

range hood

DW

white

W Whirl 2sp, 5 cy

D 11 4 Cy, 3T

Space

Smk

EWH 66 gal

HP bypassed.

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

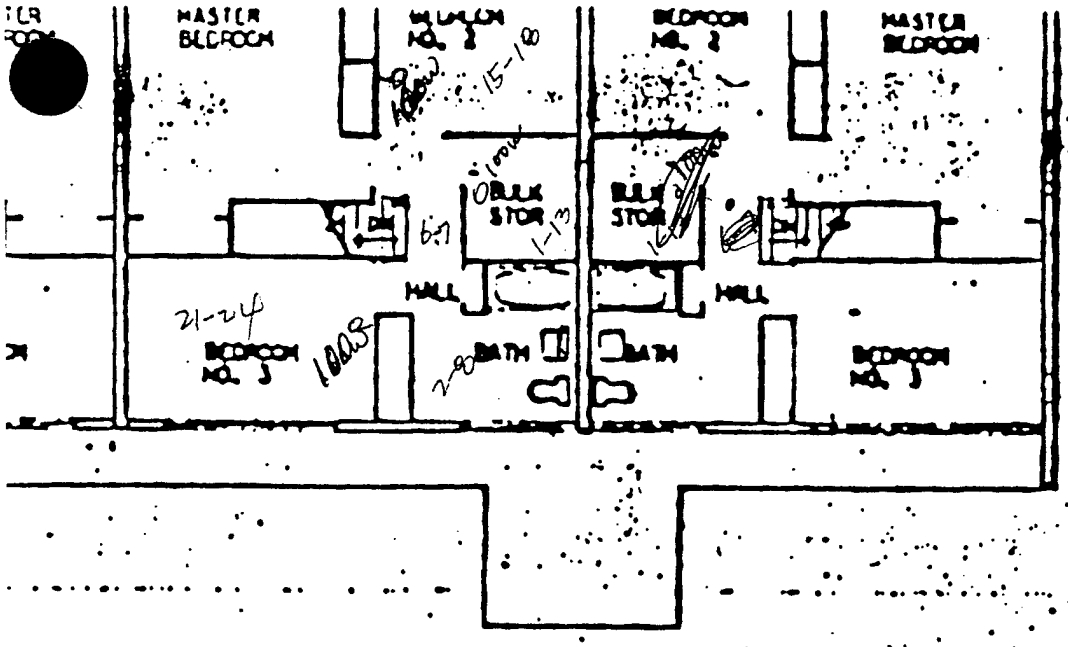
GRAPHIC SCALE 1/8" = 1'-0"

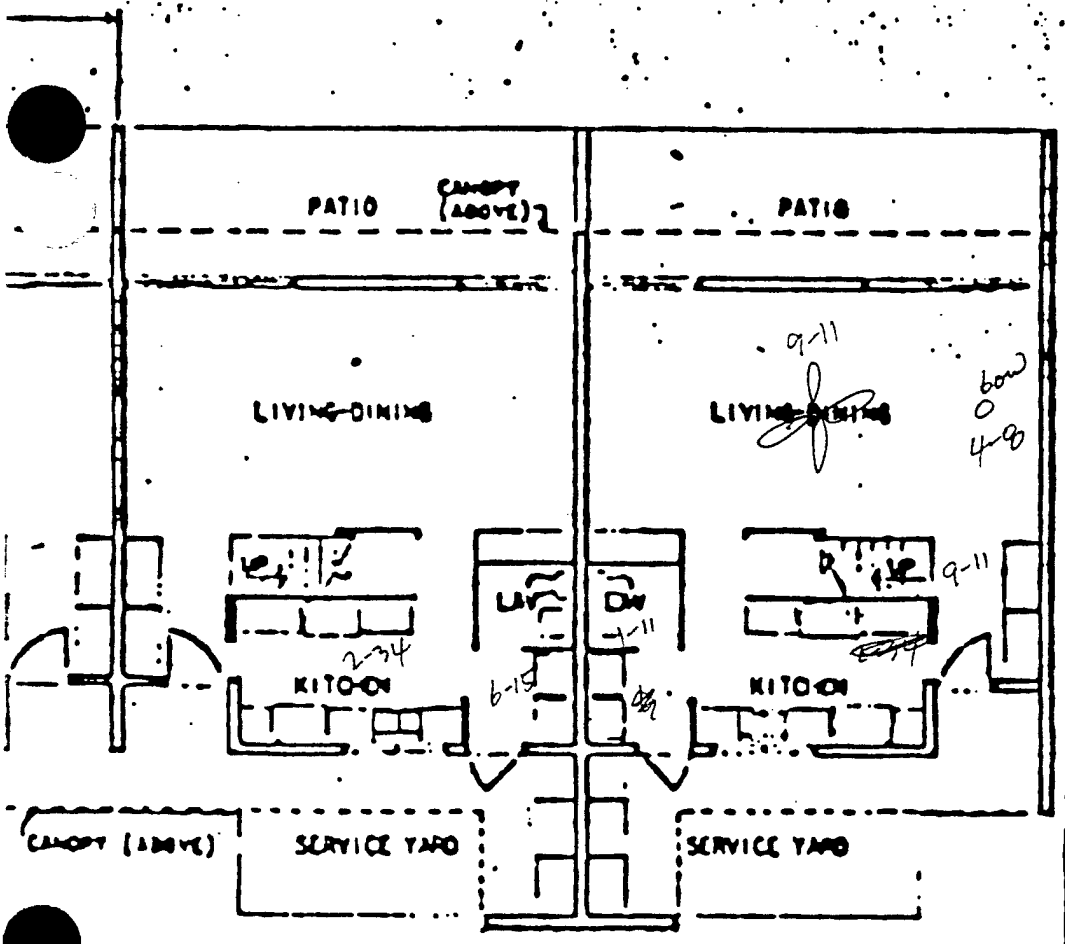
REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 LOCS E-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | | 25 | 23 | 07 | SHT. 16

MAY 1957

73

Disc. Types





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATIO

Type 57-VI

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONI CAPEHART HOUSING SCHOFIELD BA FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8290 | | 25 | 23 | 07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3704

Building Type: 57-V1

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8 from 5 pm

No. of Occupants: 5

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 2

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ____ No ____

Tinted ✓

Reflective Coating —

3.0 HOT WATER SYSTEM same as S7-II

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

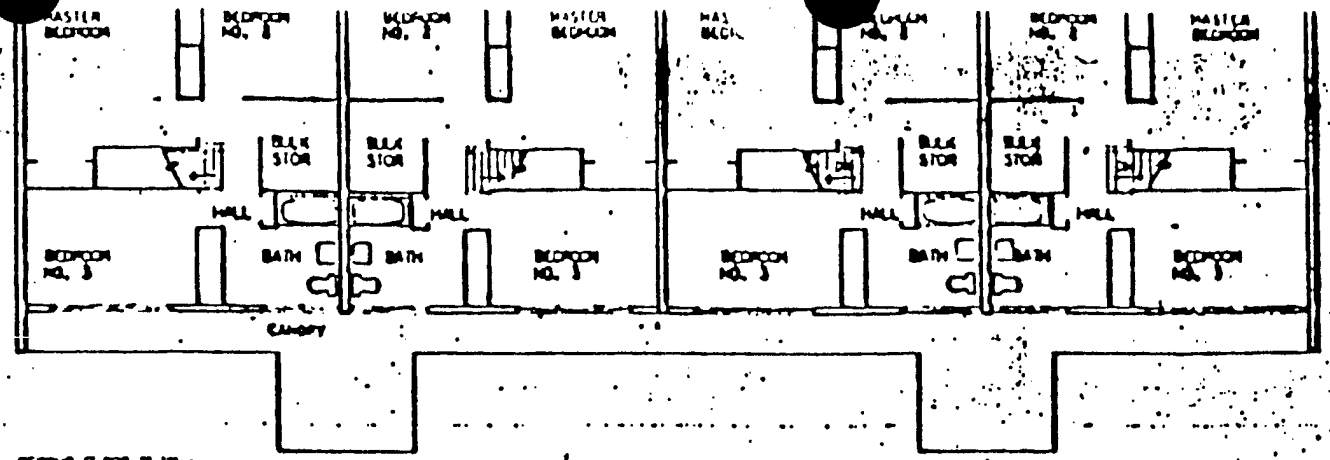
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	2.2/105	120	

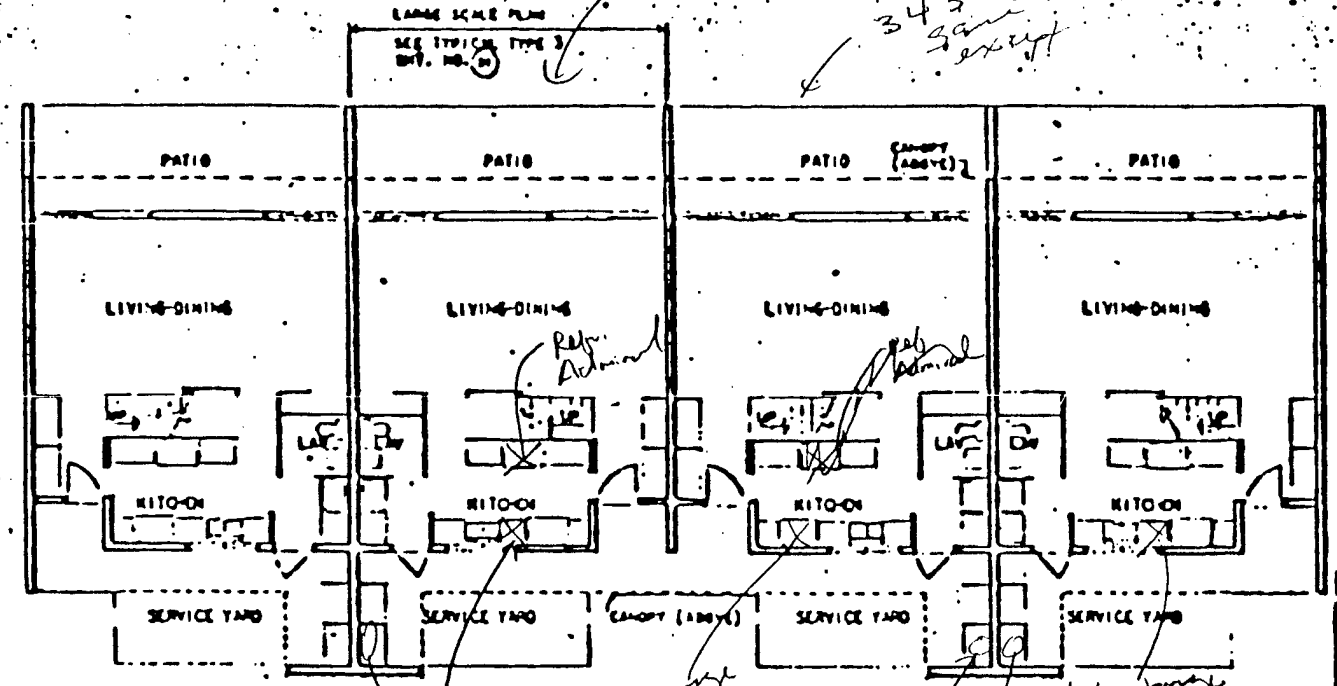


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3430 B

3430 C same except

3704 D same except as noted



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3809

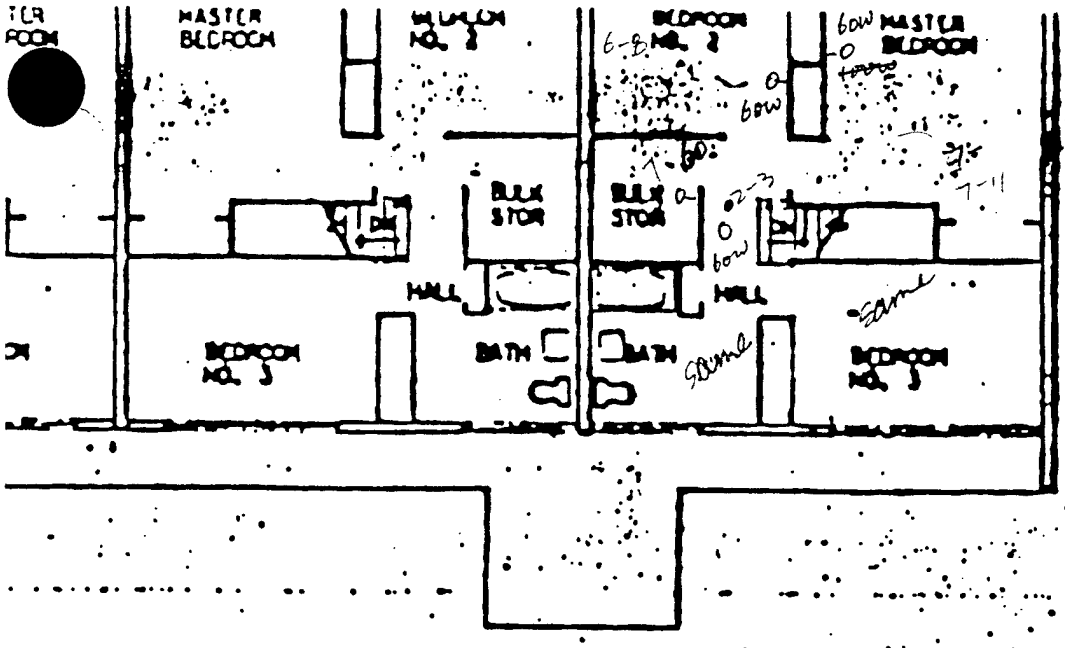
SEE SITE PLAN SHEET (07) FOR LOCATION

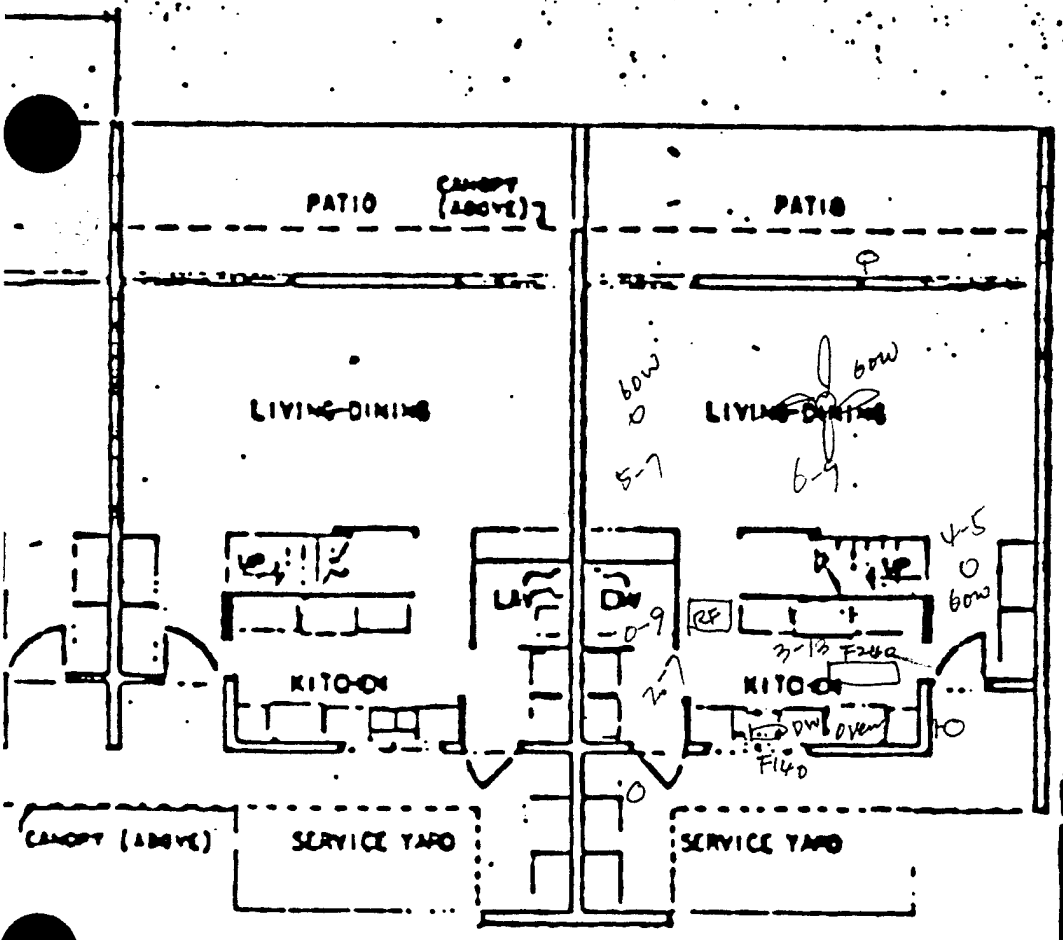
Type 57-VI

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | | 25 | 23 | 07 | SHT. 18

MAY 1957

07





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONI
CAPEHART HOUSING SCHOFIELD BKS
FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 8270		23	23	07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3713

Building Type: 57-V1

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

same as 37-11

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	

U-Factor _____ Area

Window Yes No

Tinted

Reflective Coating

Same as SM-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

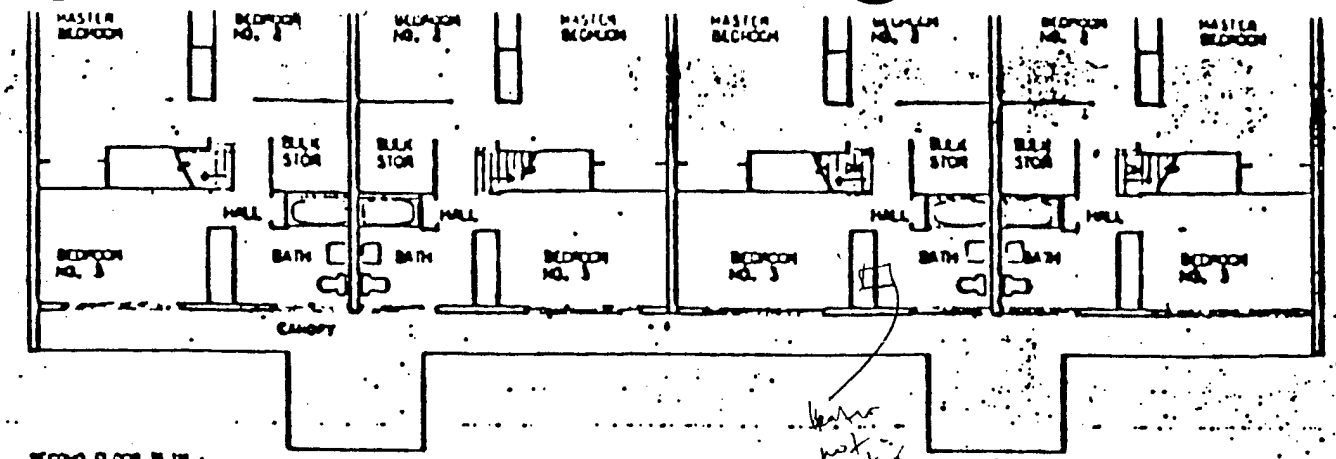
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
K.L Sk.	2l/10s	98	Doing Wash w/ HW
Shwr	3l/10s	—	



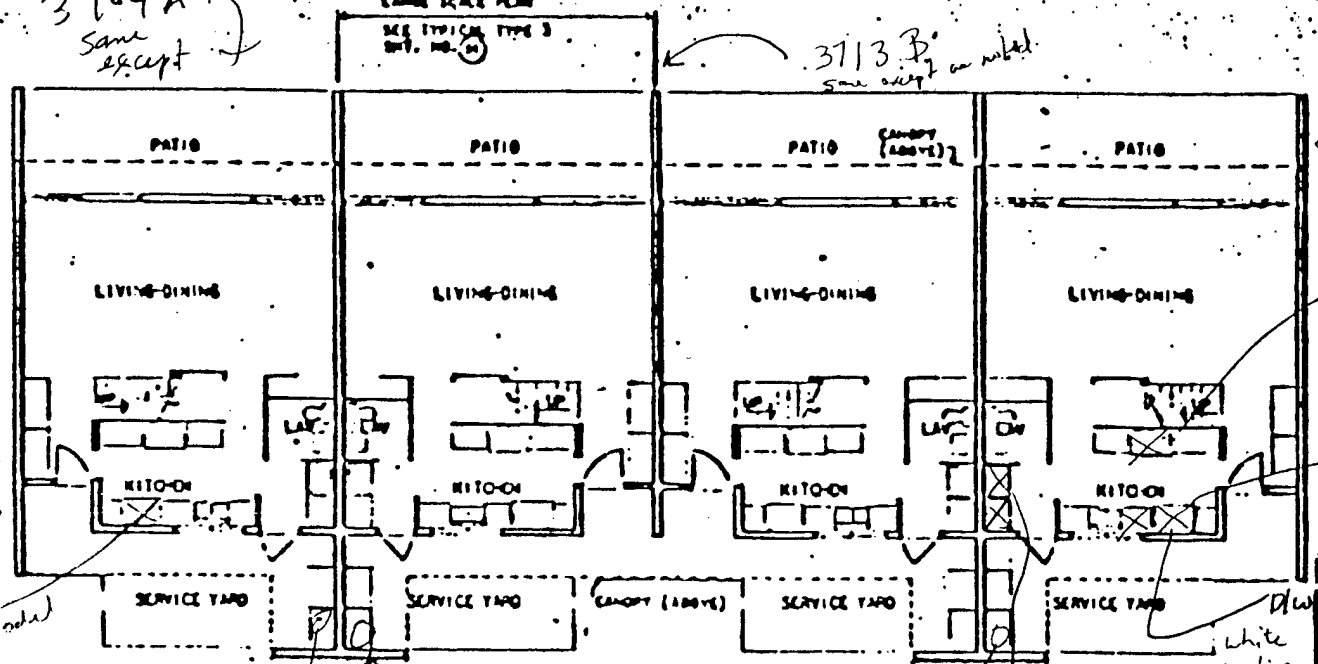
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

heater not working

3704A same except

LARGE SCALE PLAN
SEE TYPICAL TYPE 3 SHT. NO. (34)

3713 B same except as noted



3713 D

Refrig. - Gibson Frost Free

BUILDING NUMBERS
3430, 3608, 3709, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATION

Range - Vertical Nutone Imp. model 860

Type 57-VI

range hood

sink

5 gal

W Whirl 25#, 5 cy
D N 4 Cy, 3T.

white melting

(2) 66 gal.

0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

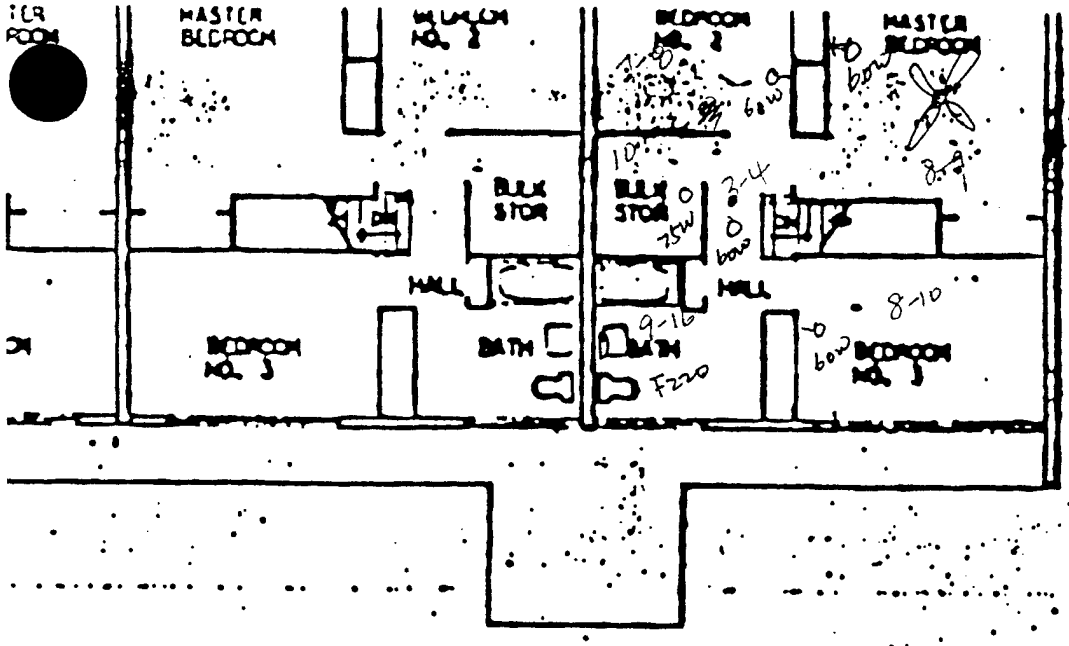
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

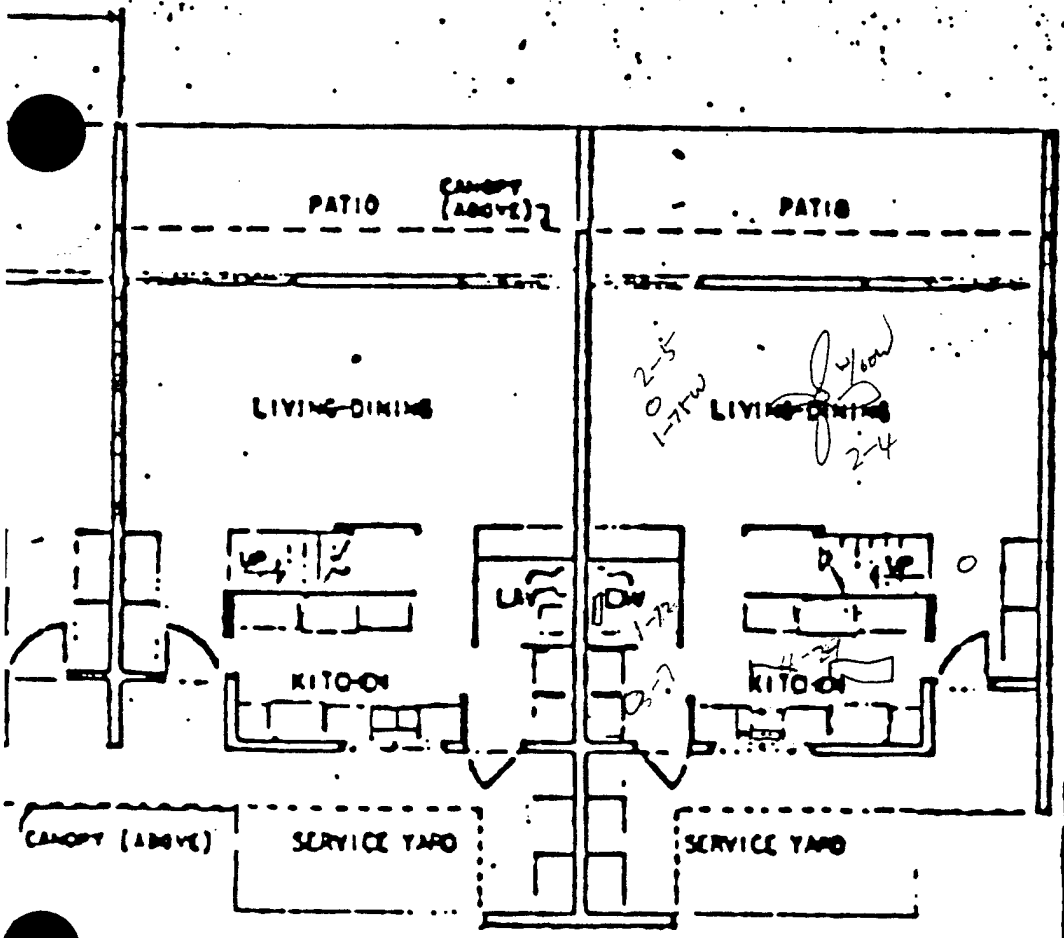
UP bypassed.

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 LIKE C-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8470 | 25 | 23 | 08 | SHT. 16

MAY 1973

93





3430 ABCD
3608 ABCD
3704 ABCD
3713 ~~A~~ B C D

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONI	
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8290	25 23 07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3713

Building Type: 57-V1

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 8

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as TM-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

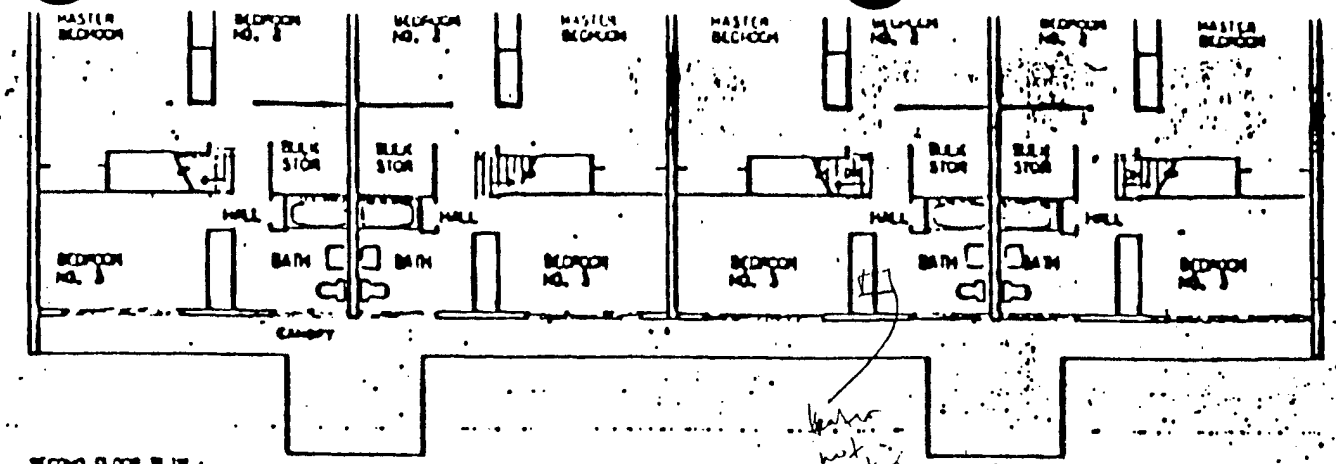
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2l/10s	124	flow Rest. on
Shwr head	5l/10s	114	

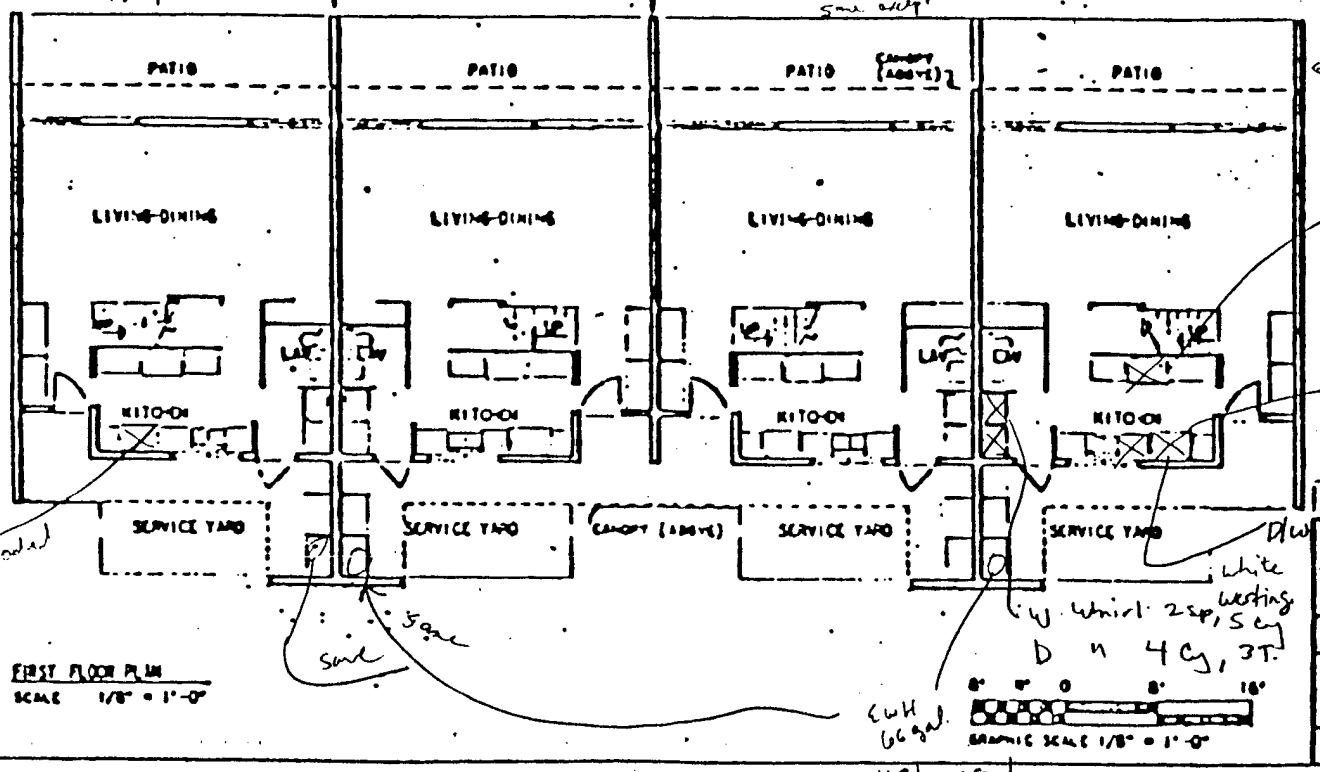


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3704A same except

LARGE SCALE PLAN
SEE STOCK TYPE 3 DET. NO. 66

3713 B same except as noted



← 3713 D

Refrig. - Gibson Frost Free

BUILDING NUMBERS
3430, 3608, 3709, 3713
3720, 3809

SEE SITE PLAN SHEET 67 FOR LOCATION

Range - Vertical Nutone Imperial model 860
Type 57-VI

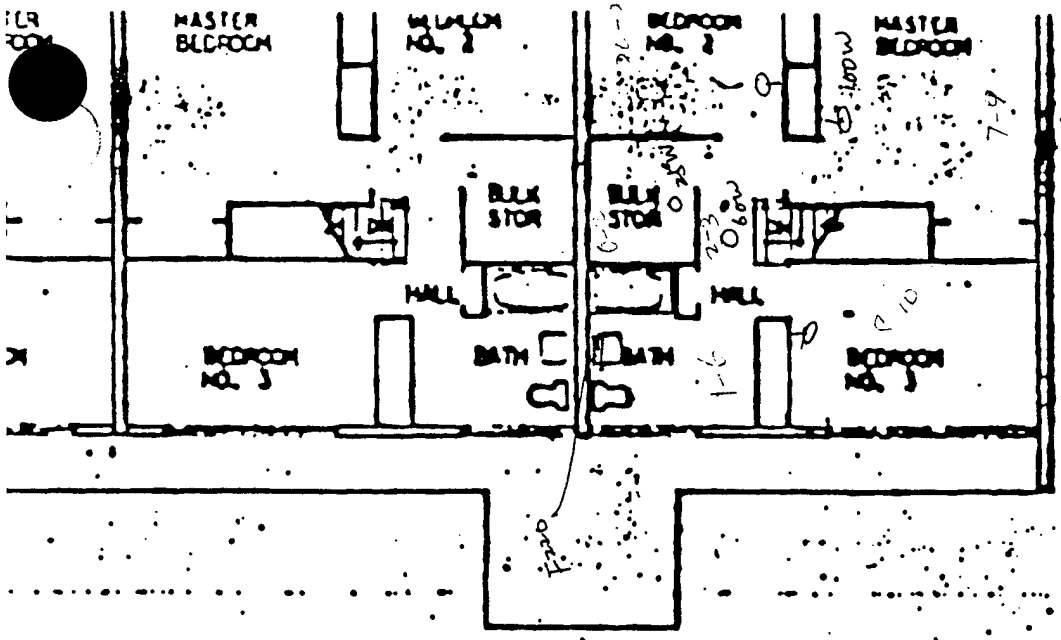
white heating

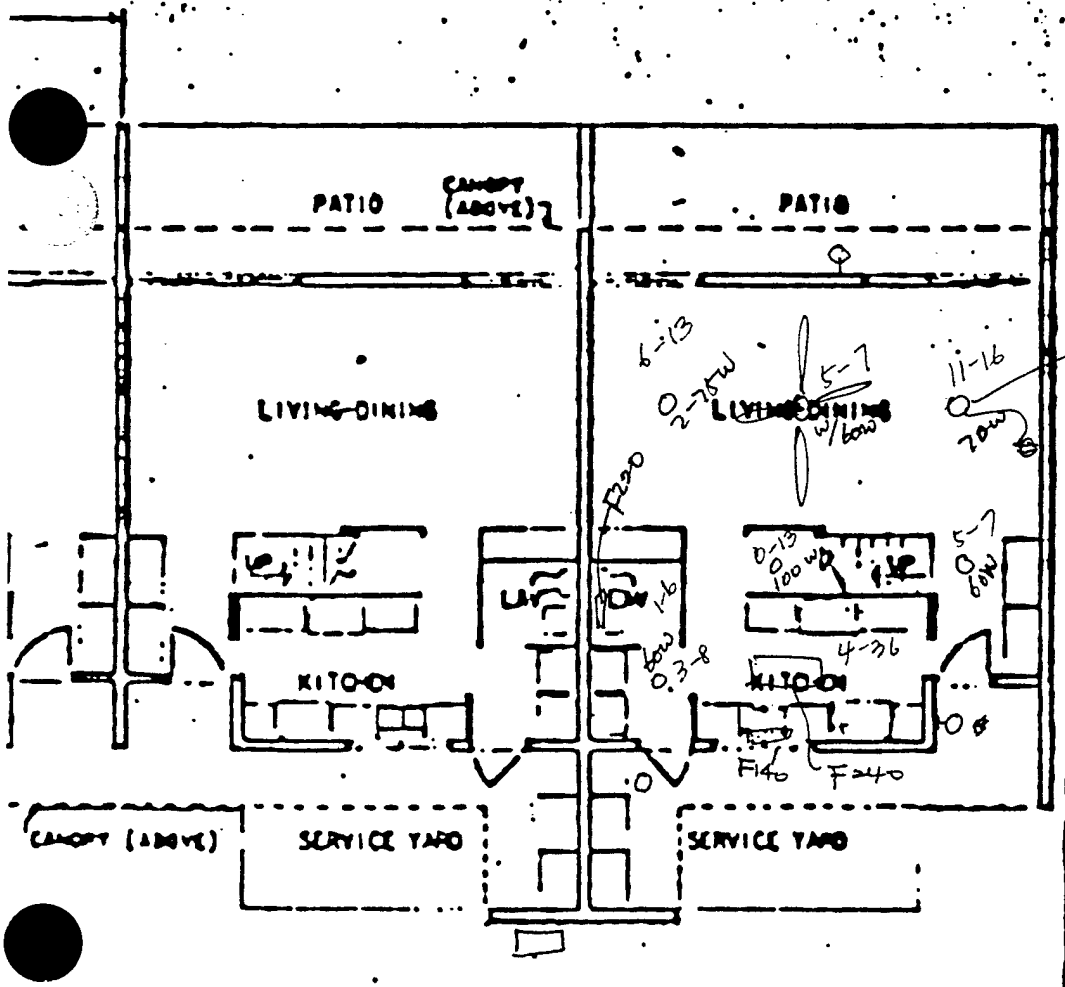
HP bypassed.

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA C-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | 25 | 23 | 07 | SHT. 16
MAY 1957

73





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABC (P)

personnel

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONI
CAPEHART HOUSING SCHOFIELD 195
FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 8790		25	23	07

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

UNIT TYPE 57-VII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3430

Building Type: S7-V1

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 12

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window	Yes	No
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

Same as S.7-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

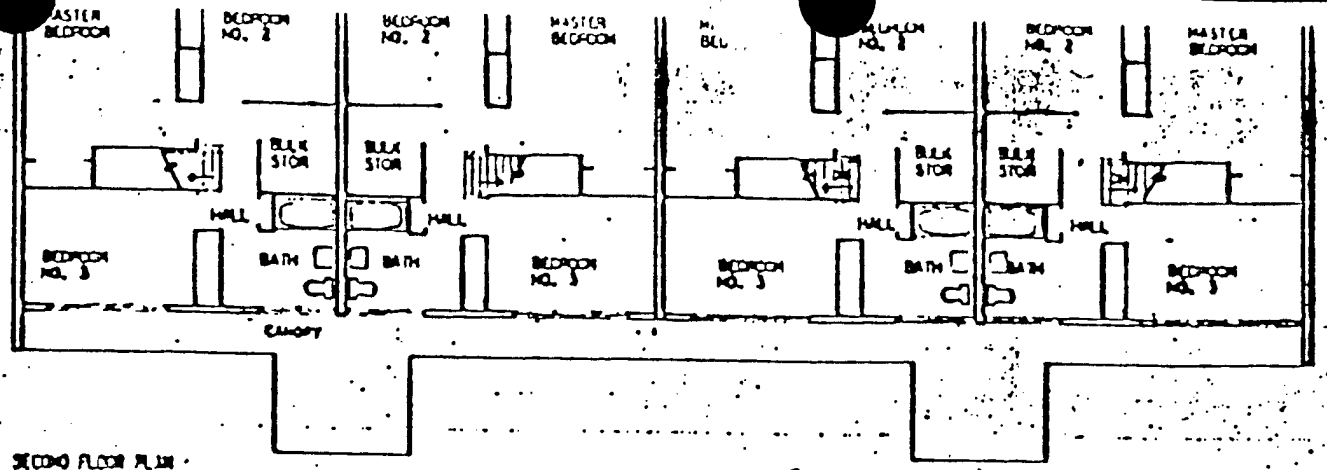
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

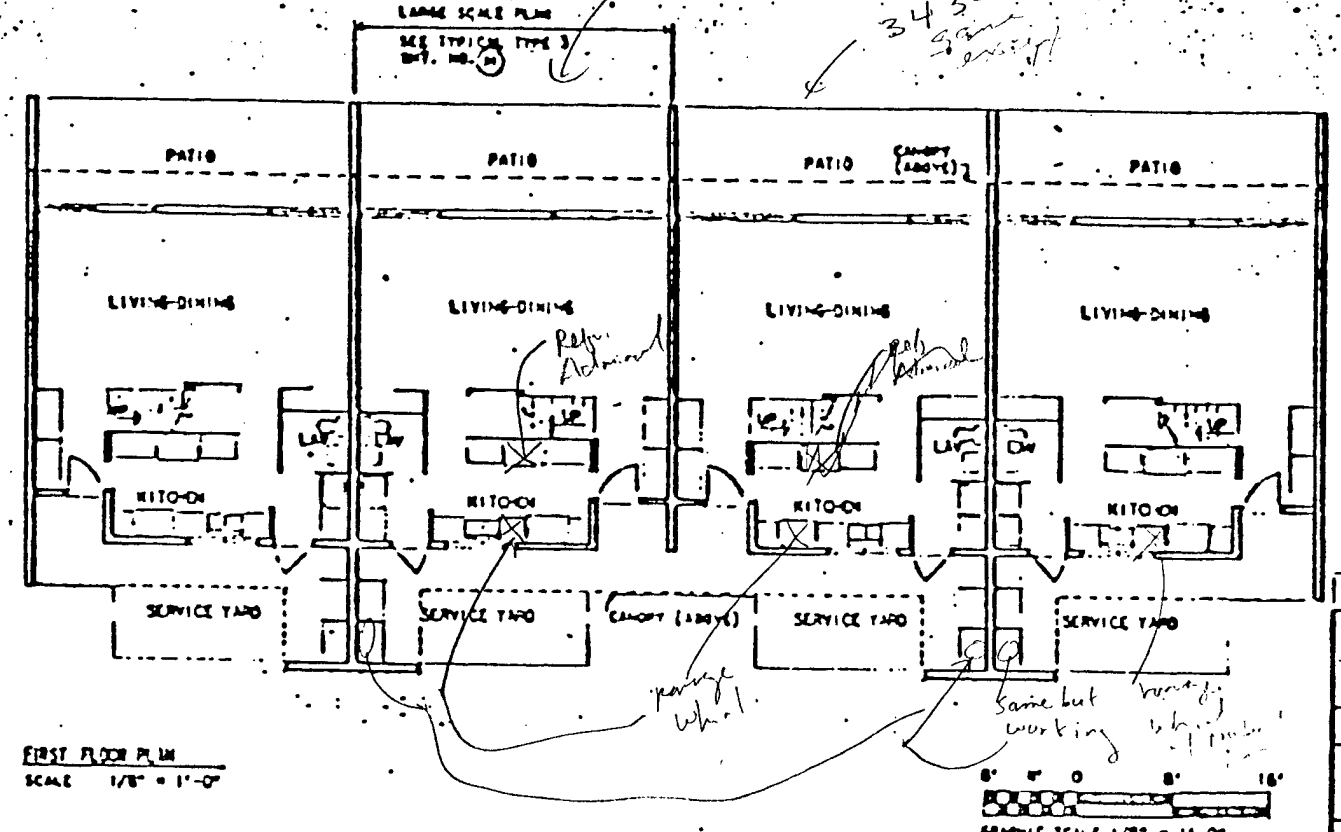
Fixture	Flow	Water Temp.	Remarks
Kit Sk	2ℓ/10s	120	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3430 B

3430 C same except



← 3704 D same except as noted

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3807
SEE SITE PLAN SHEET 67 FOR LOCATION

Type 57-VI

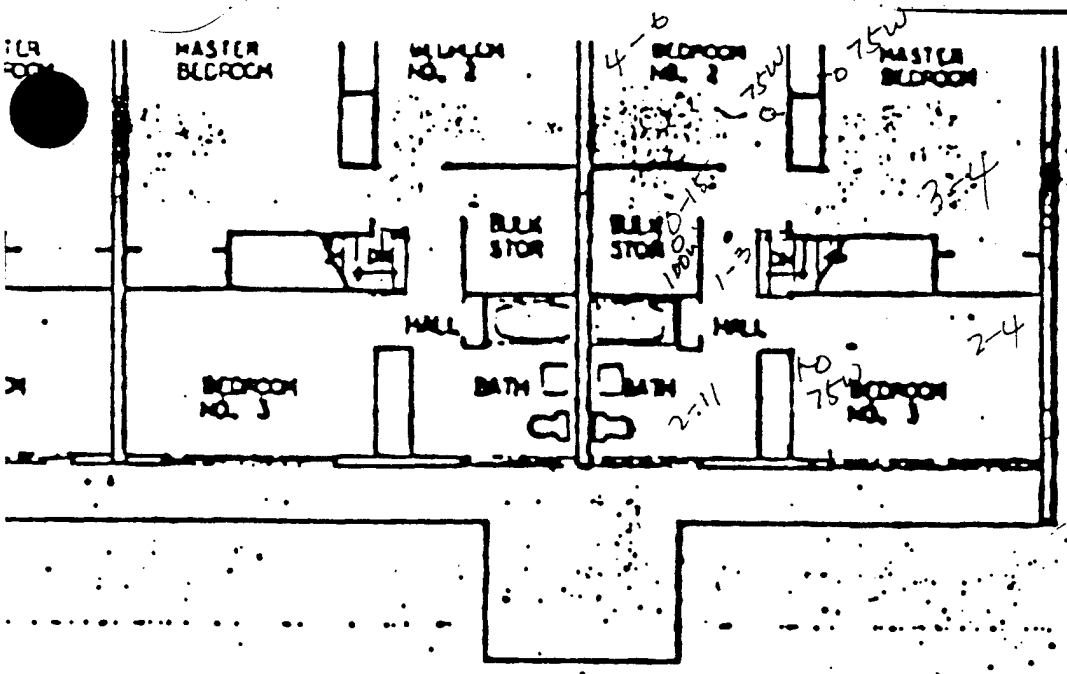
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

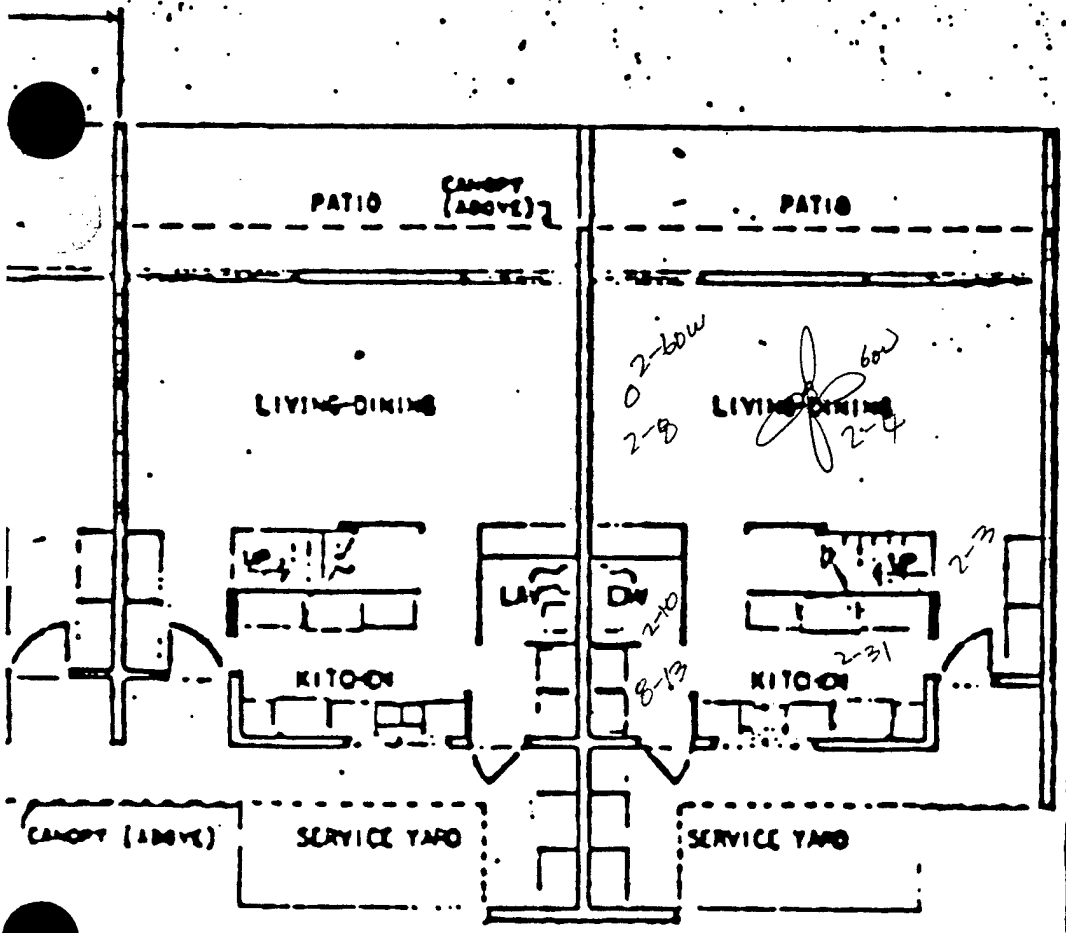
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 LOCI E-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | 25 | 23 | 07 | SHT. 18

MAY 1957

73





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

REVISIONS				
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONI				
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS				
SCHOFIELD BARRACKS				
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII				
LOC. CODE 8290		25	23	07

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3430

Building Type: 57-V1

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

Same on 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

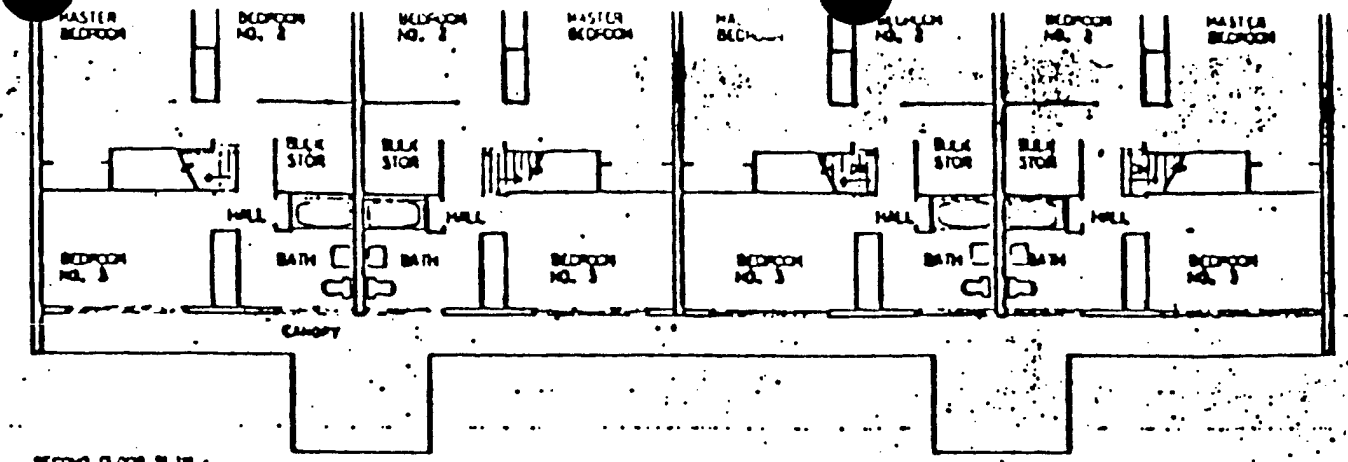
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2l/10c	104	

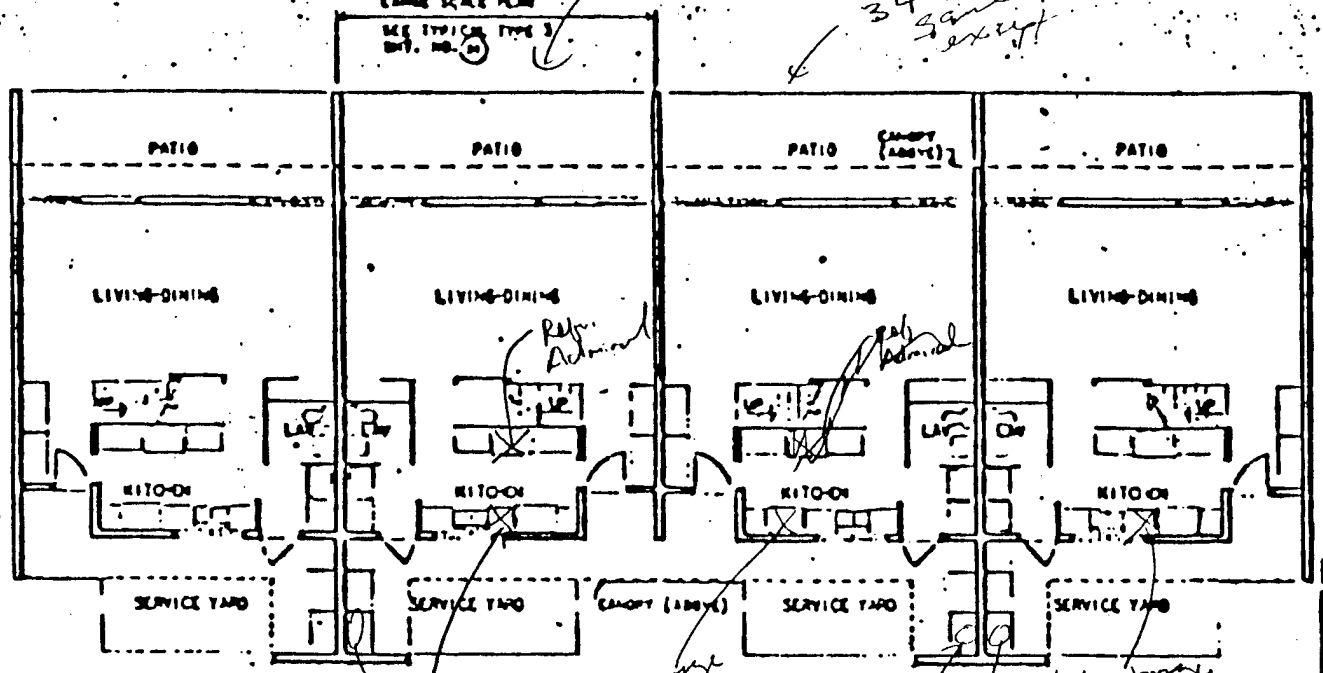


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3430 B

3430 C same except

3704 D same except as noted



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3807
SEE SITE PLAN SHEET 07 FOR LOCATION

Type 57-VI

REVISIONS

FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1
FIRST AND SECOND FLOOR PLANS TYPE B

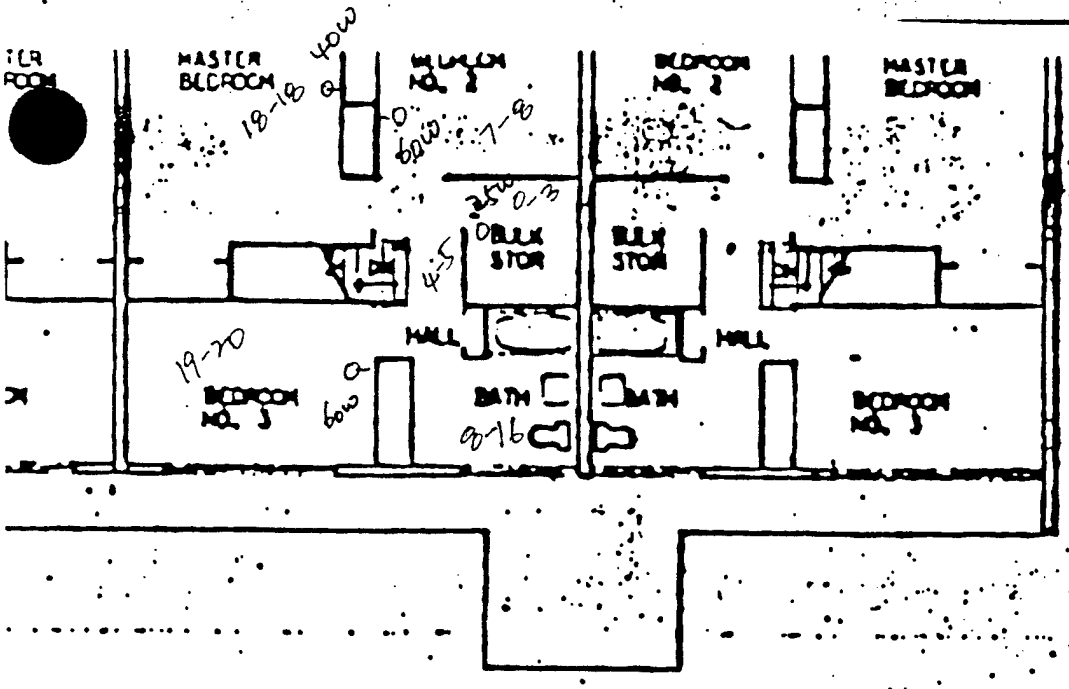
SCHOFIELD BARRACKS OAHU, HAWAII

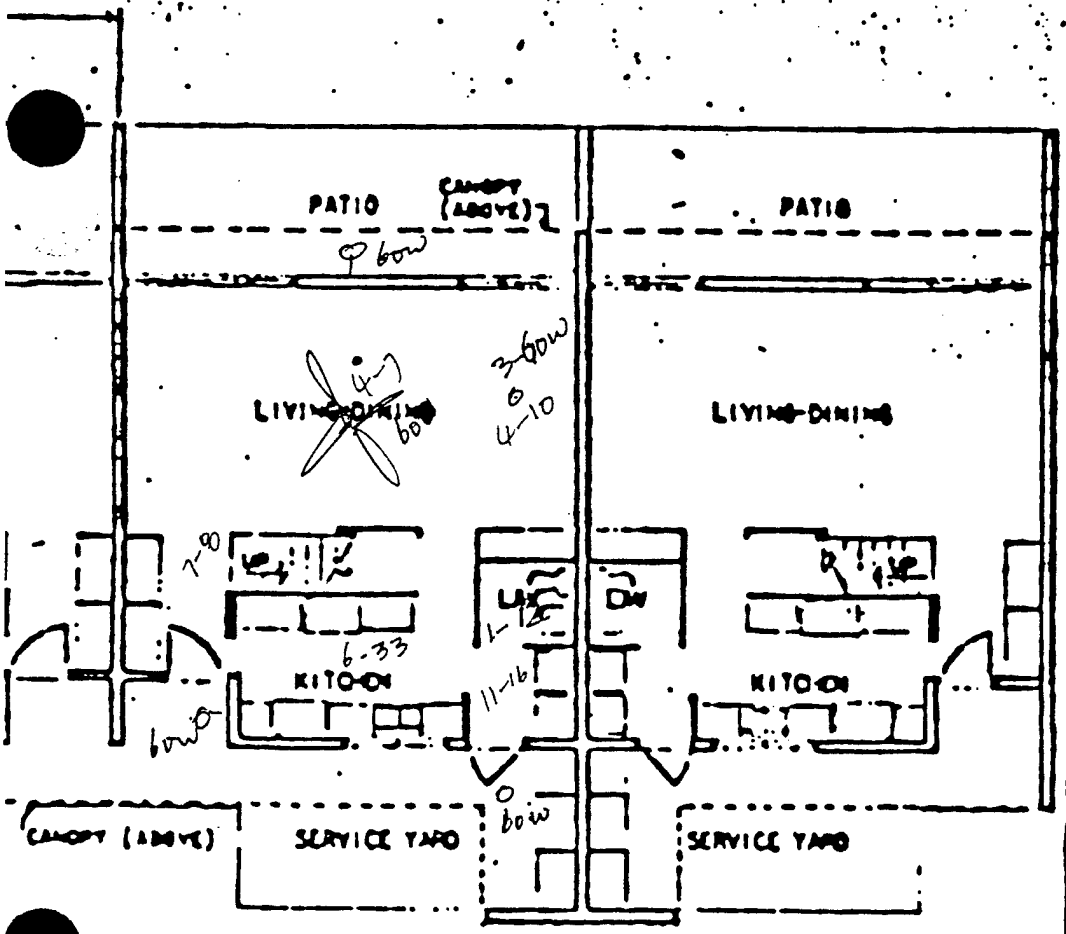
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 8290		25	23	07	SHT. 16

MAY 1957

07





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATIO

Type 57-VI

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS	
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONI	
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8290	23 23 07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3704

Building Type: 57-V1

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 5

Average No. of Showers/Day: ~ 3

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ___

Same as S7-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

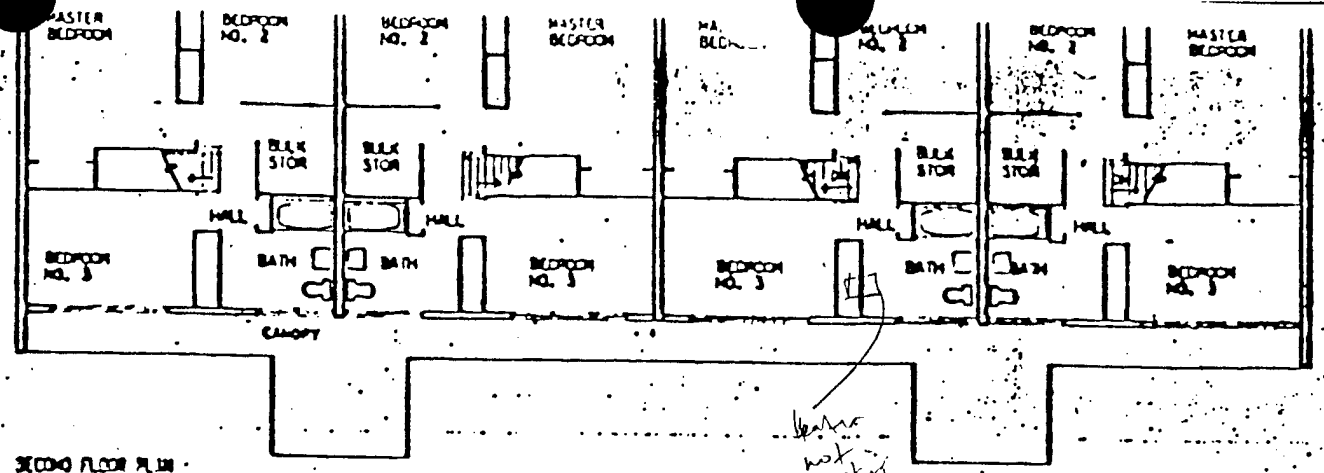
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Callons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. SK	2L	120	

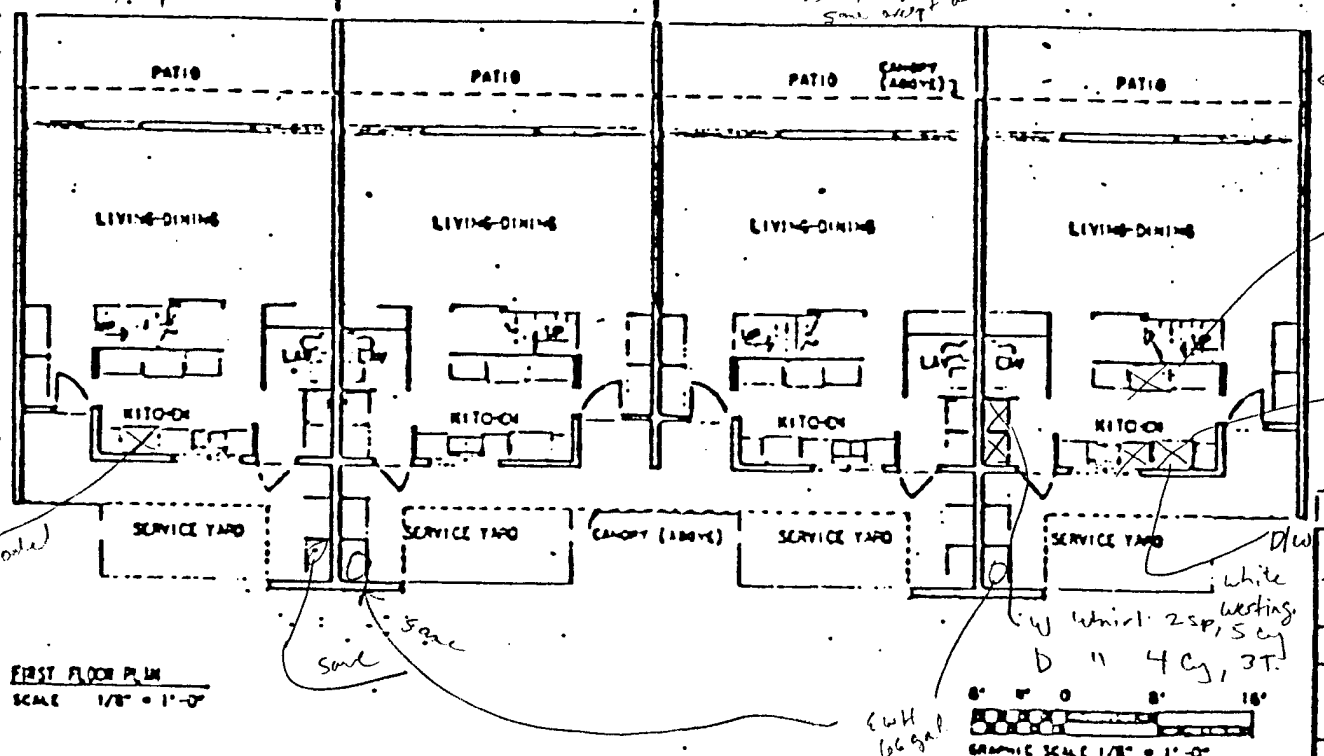


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3704A same except

LARGE SCALE PLAN
SEE TYPICAL TYPE 3 DWG. NO. (3)

3713 B same except as noted



← 3713 D

Refrig. -- Gibson Frost Free

BUILDING NUMBERS
3630, 3638, 3708, 3713
3729, 3807

SEE SITE PLAN SHEET (A2) FOR LOCATION

Range - Vesta w/ Nutone fan model 860

Type 57-VI

range 120 Volt

same

same

D/W

white

Whirl 2sp, 5 cy

D " 4 Cy, 3T

CWH 66 gal

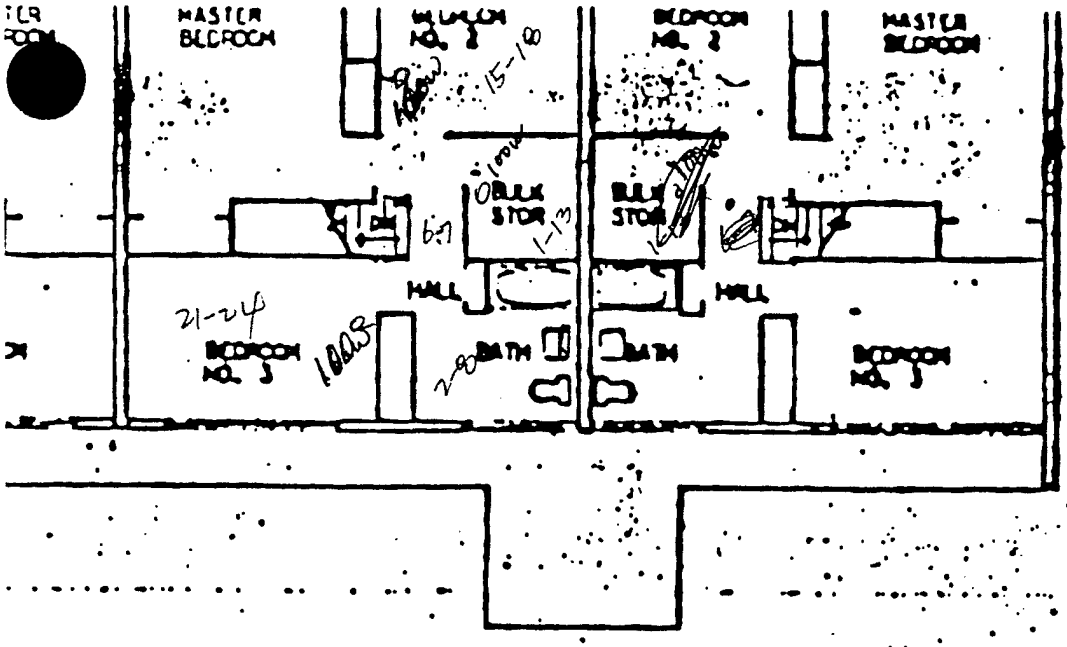
HP bypassed.

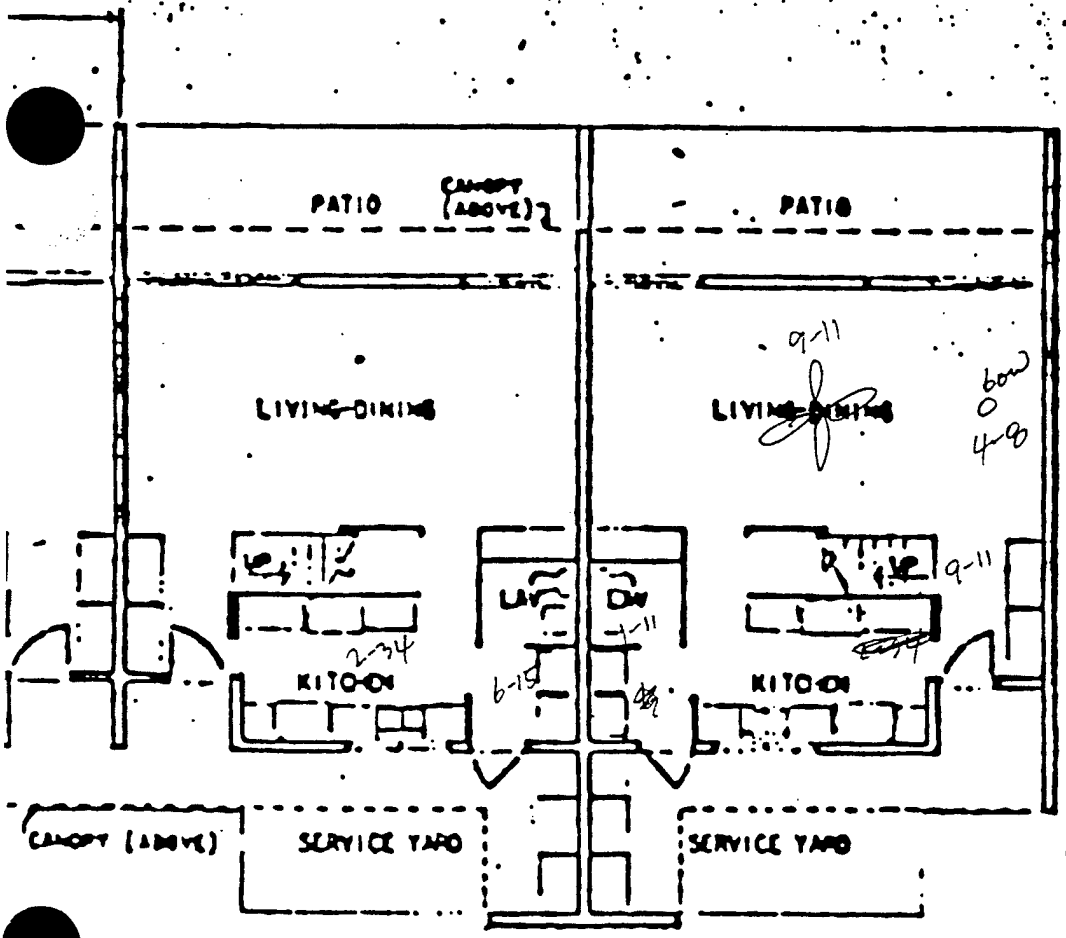
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1
FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | 25 | 23 | 07 | SHT. 18
MAY 1957

73





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING SUPPORTING DATA FOR AIR CONDITIONI
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8279 | | 25 | 23 | 07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3704

Building Type: 57-V1

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8 from 5pm

No. of Occupants: 5

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 2

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 57-11

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

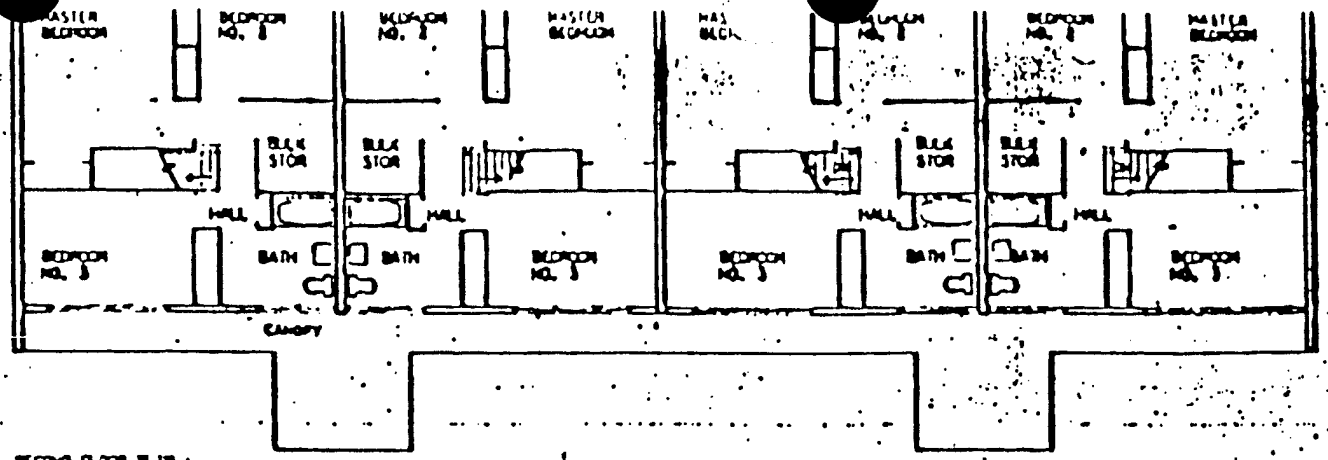
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2.2/1.0	120	

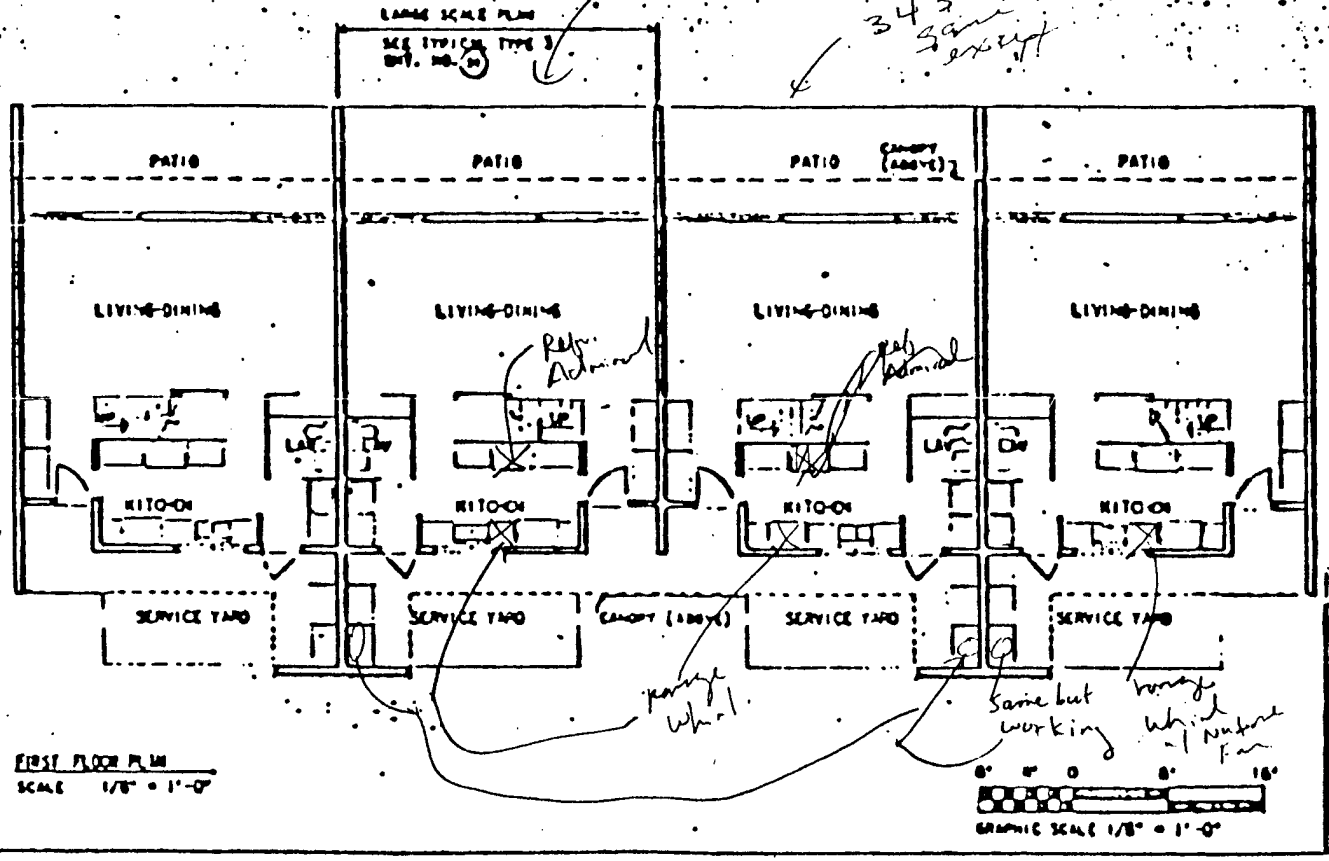


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3430 B

3430 C same except

3704 D same except as noted



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS
3430, 3608, 3704, 3713
3720, 3809

SEE SITE PLAN SHEET (67) FOR LOCATION

Type 57-VI

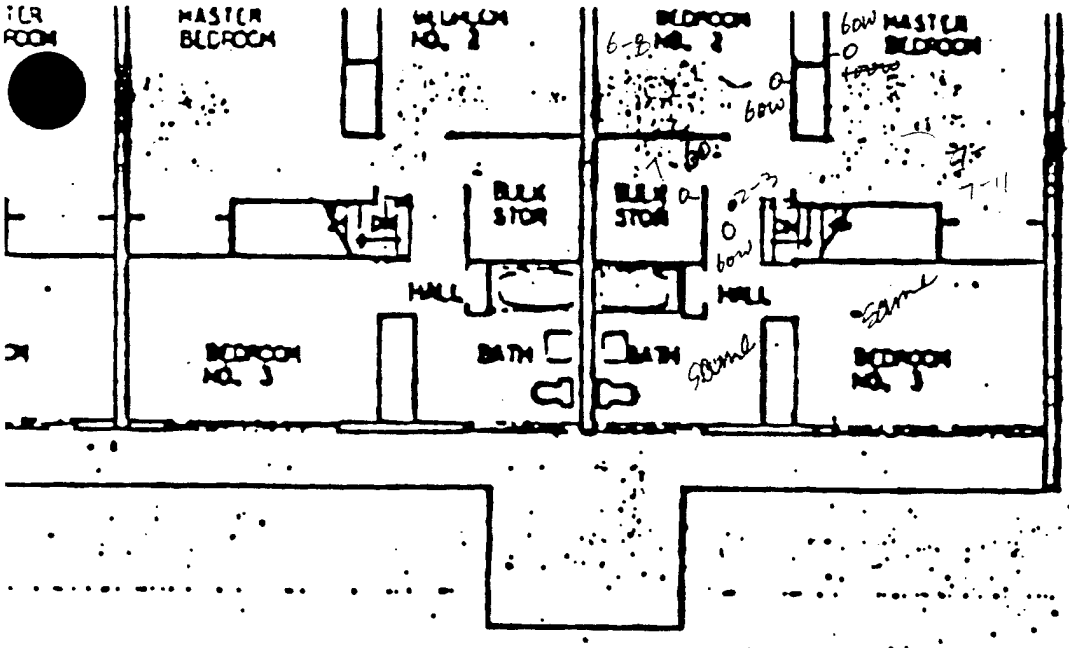
REVISIONS

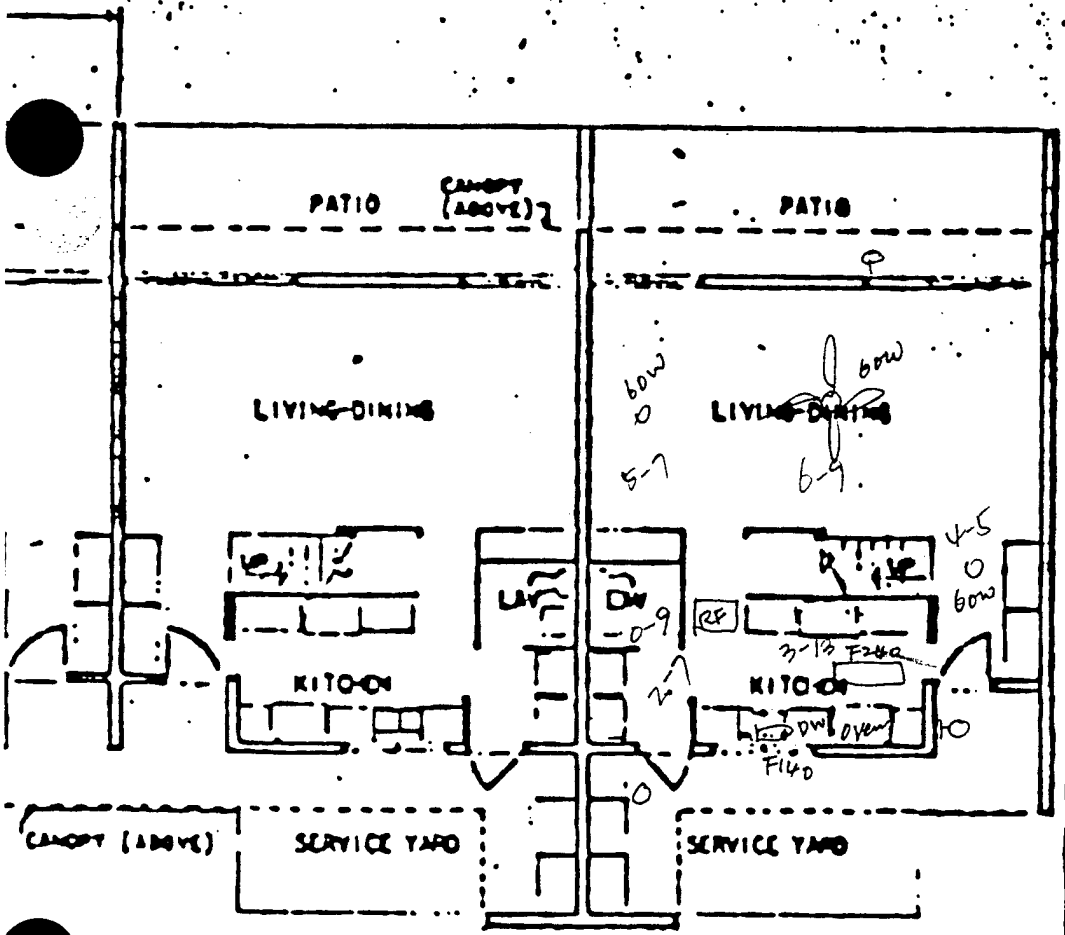
FAMILY HOUSING
SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1
FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII

LOC. CODE 8270		25	23	09	SHT. 16

MAY 1957

73





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABCD

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (07) FOR LOCATI

Type 57-VI

8' 4' 0 8' 16'

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS				
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONI CAPEHART HOUSING SCHOFIELD BKS FIRST AND SECOND FLOOR PLANS				
SCHOFIELD BARRACKS				
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII				
LOC. CODE 8290		25	23	07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3713

Building Type: 57 - V1

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 2

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as 37-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes No

Tinted

Reflective Coating

Same as SM-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

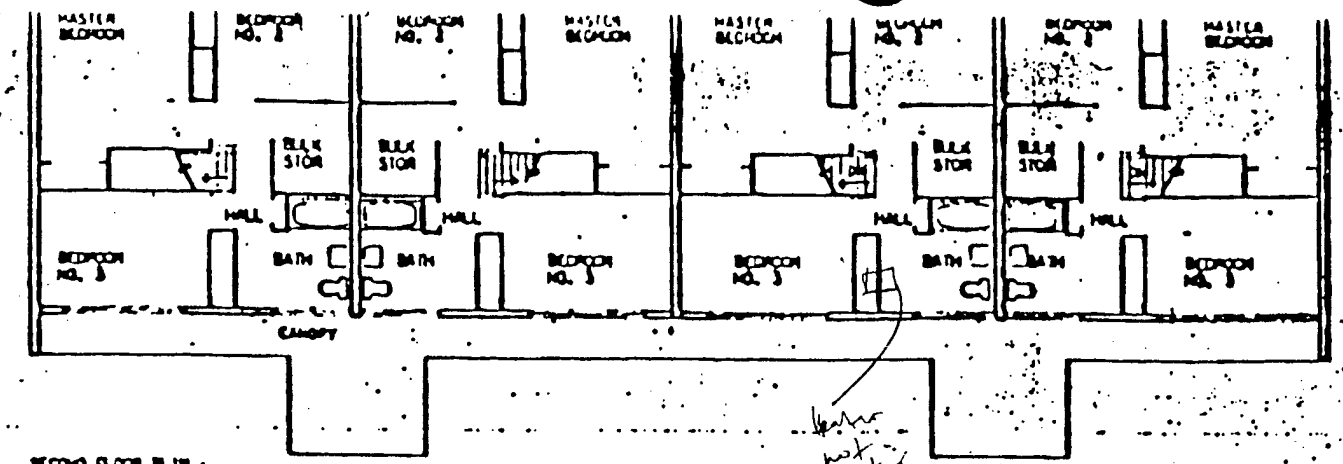
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

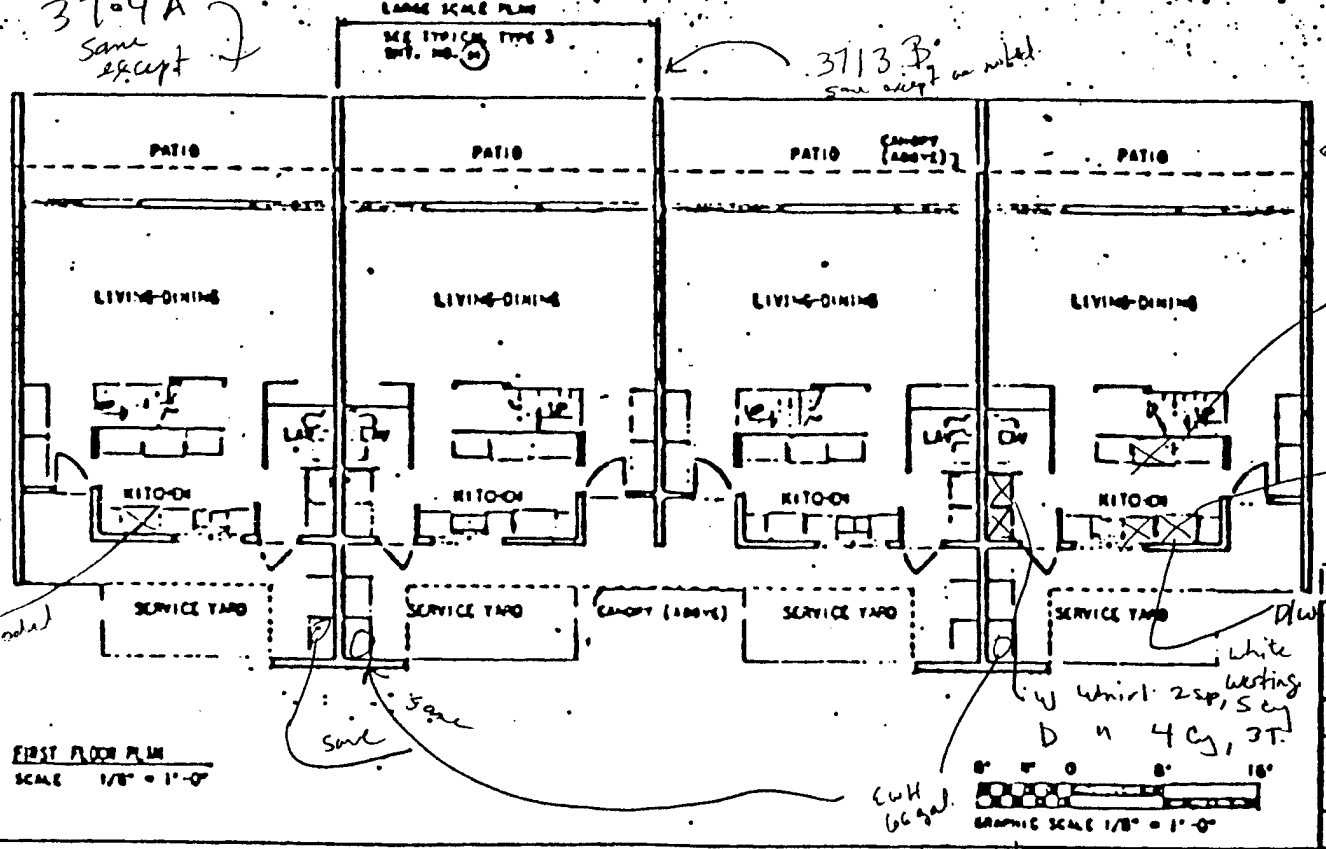
Fixture	Flow	Water Temp.	Remarks
K.t Sk.	2l/10s	98	Doing Wash w/ Hw
Shwr	3l/10s	—	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

heater not working

3704A same except



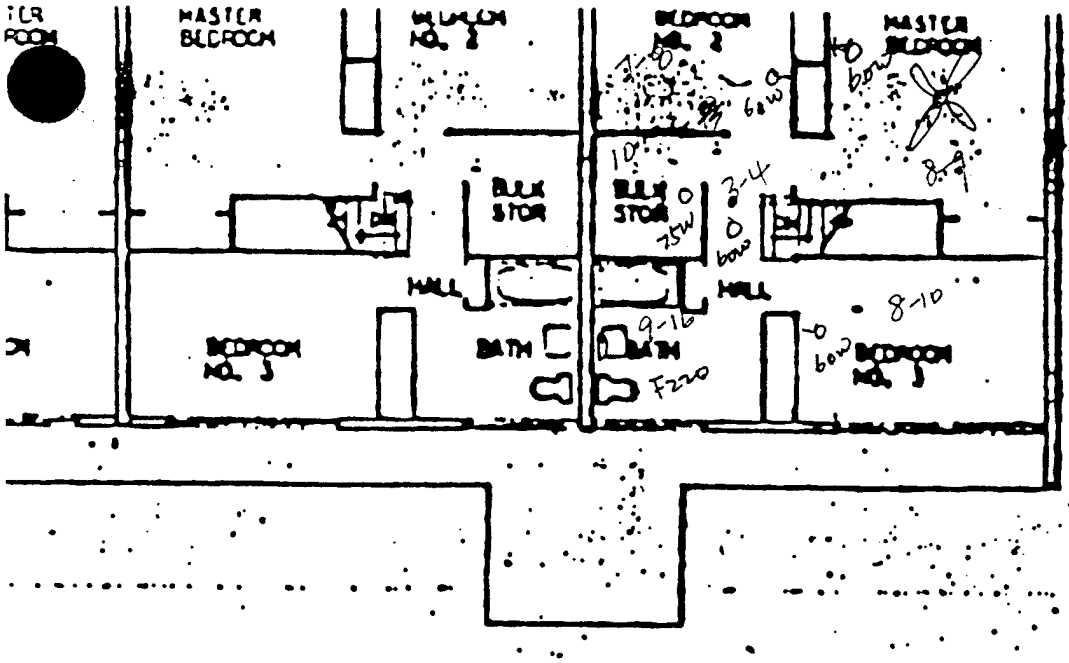
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

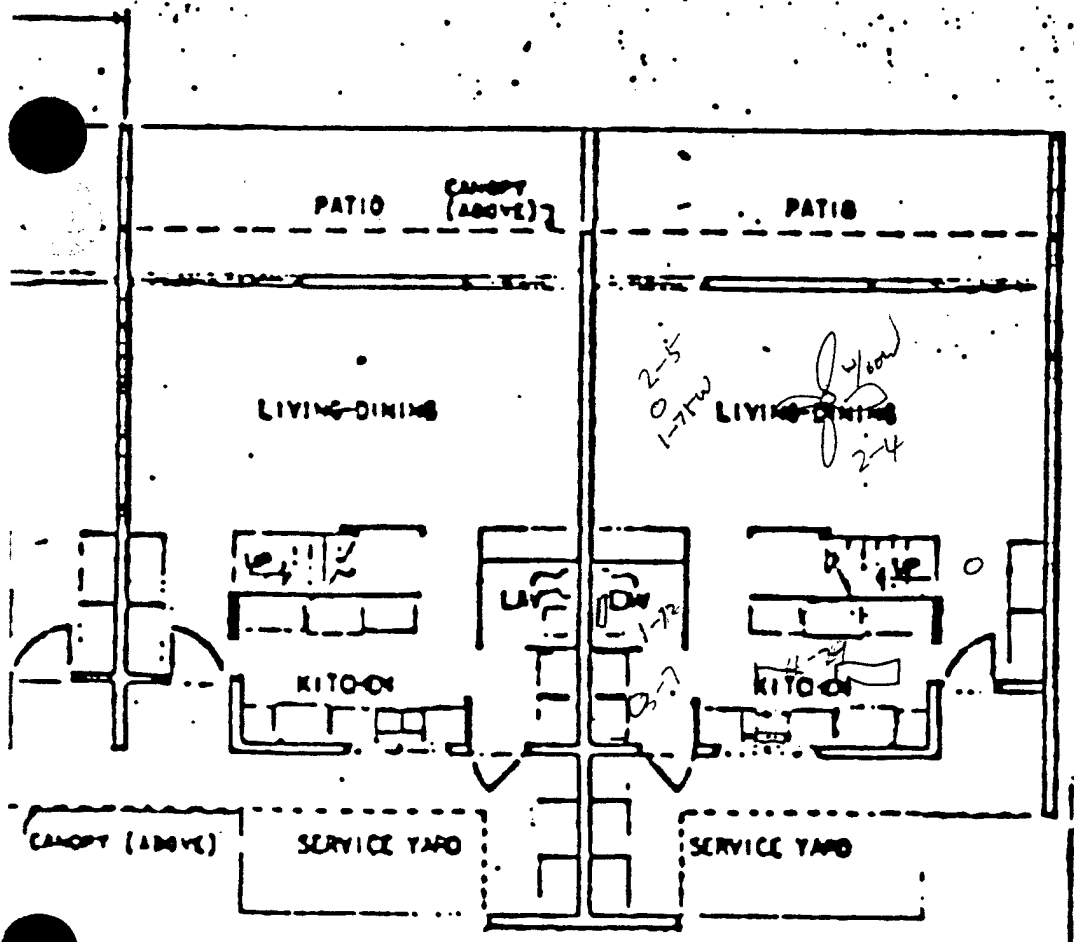
UP bypassed.

REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1 FIRST AND SECOND FLOOR PLANS TYPE B
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8270 | 25 | 23 | 07 | SHT. 10

NOV 1973

23





3430 ABCD
3608 ABCD
3704 ABCD
3713 ~~A~~ B C D

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

8' 4' 0 8' 16'

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS				
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONI				
CAPEHART HOUSING SCHOFIELD 195 FIRST AND SECOND FLOOR PLANS				
SCHOFIELD BARRACKS				
U. S. ARMY ENGINEER DIVISION, PA CORPS OF ENGINEERS HONOLULU, HAWAII				
LOC. CODE 8290		25	23	07

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3713

Building Type: 57-V1

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 8

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as SM-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ✓

Reflective Coating ✓

Same as EM-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

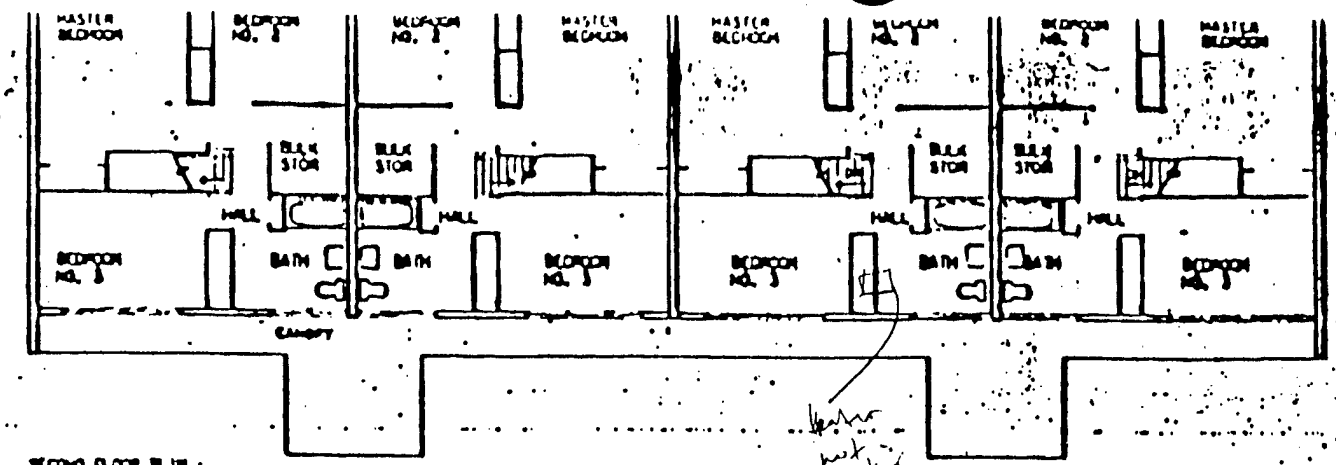
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

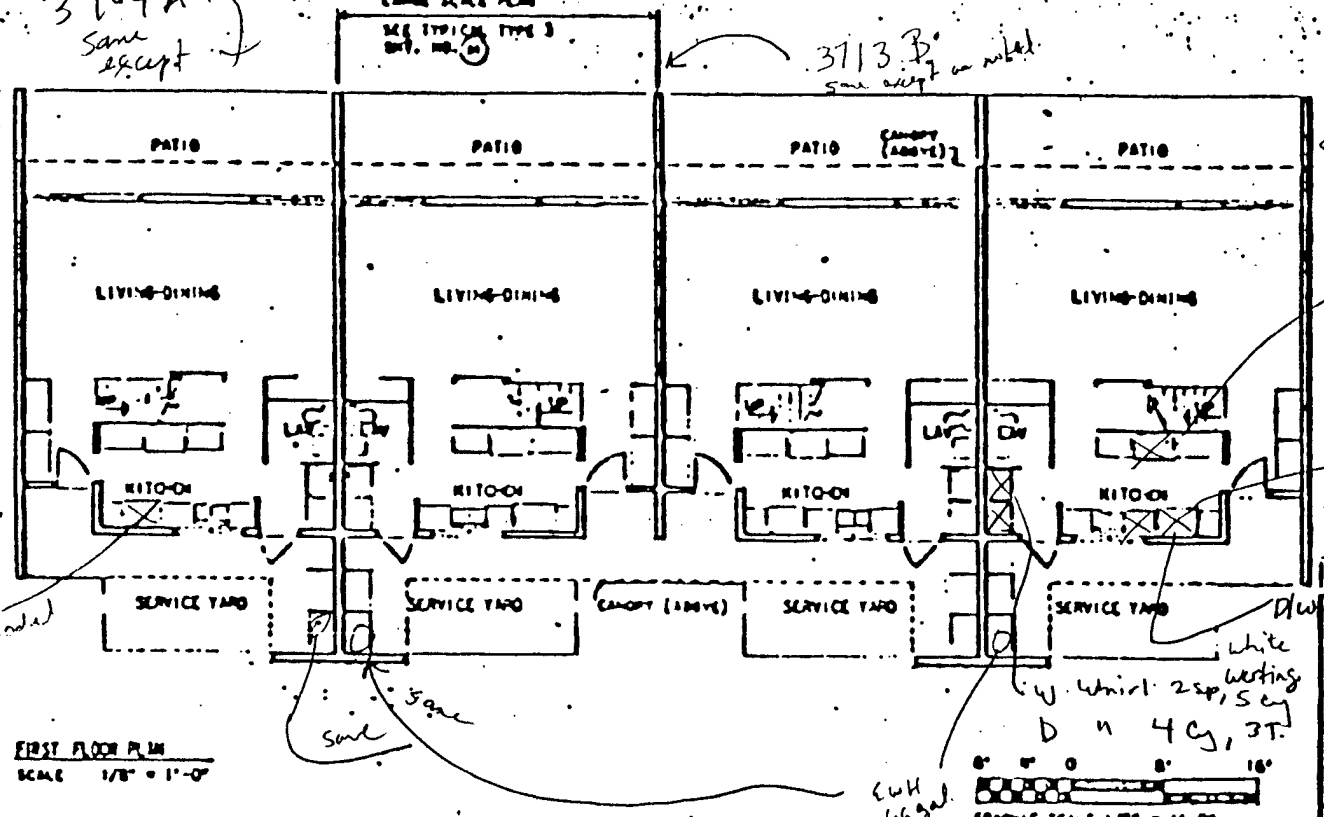
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2l/10s	124	flow Rest on
Shwr head	5l/10s	114	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3704A same except



3713 B same except 7 as noted

3713 D

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

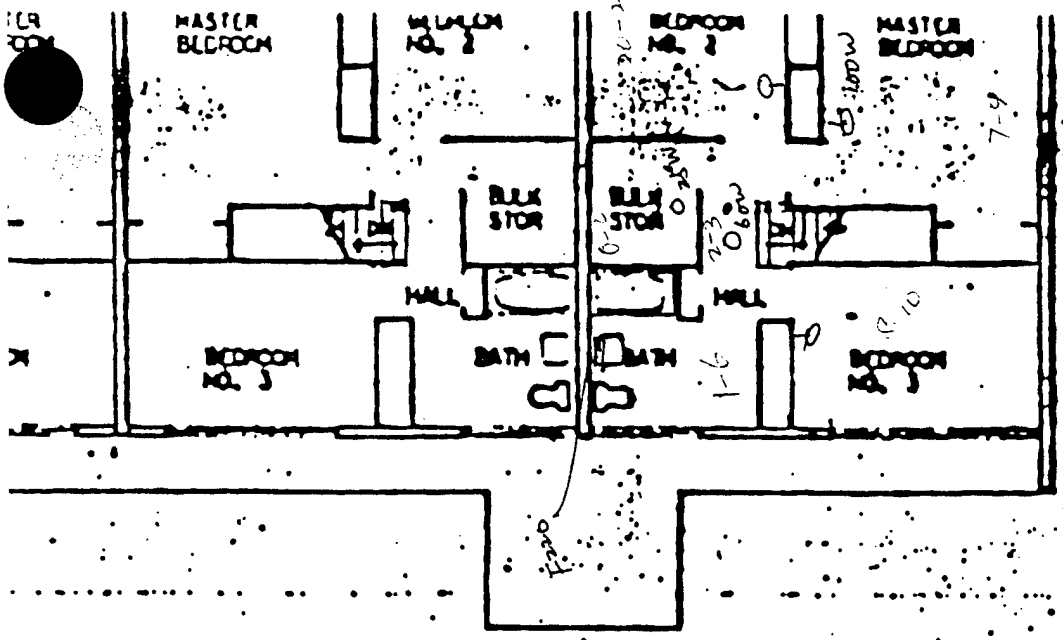
Refrig. - Gibson Frost Free
BUILDING NUMBERS
3630, 3608, 3704, 3713
3720, 3807
SEE SITE PLAN SHEET (A7) FOR LOCATION

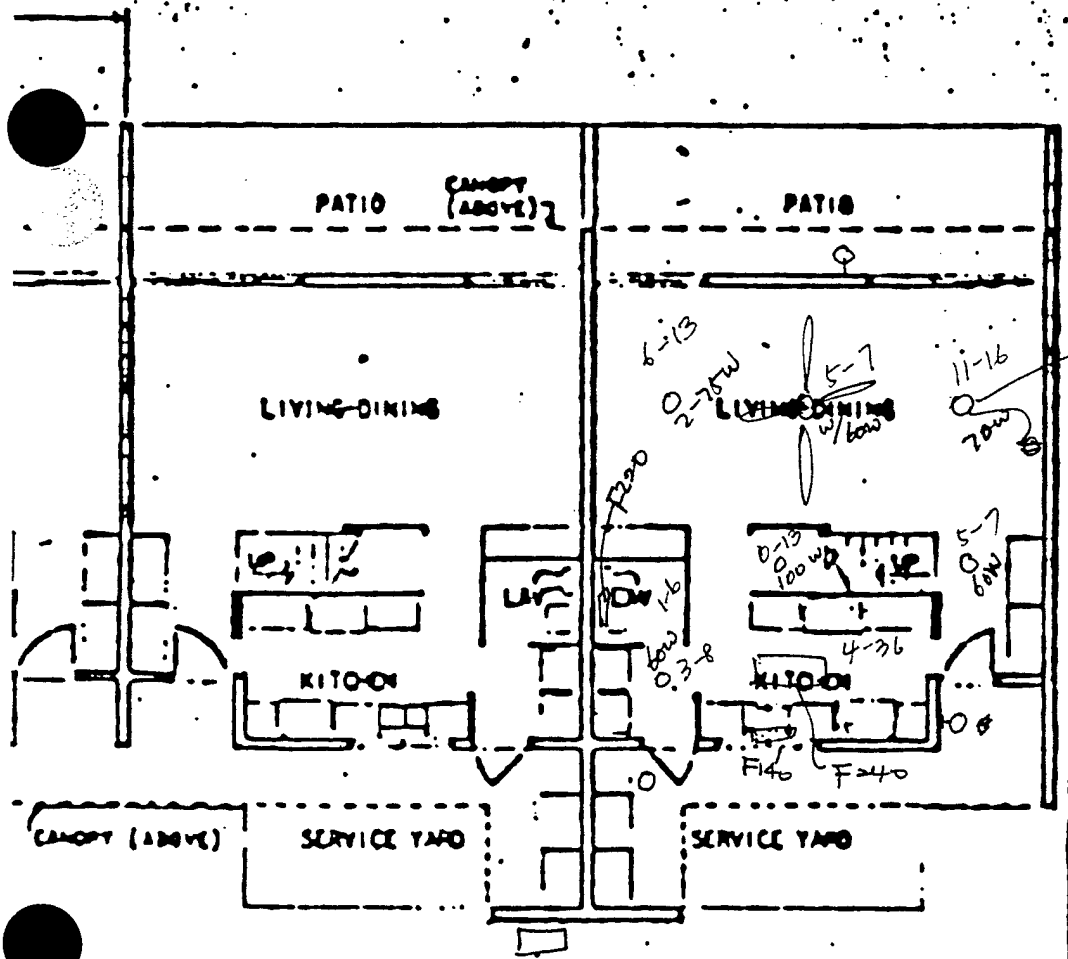
Range - Vesta el Nutone Imperial model 860
Type 57-VI

REVISIONS					
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1957 AREA E-1 FIRST AND SECOND FLOOR PLANS TYPE B					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8270		25	23	07	SHT. 10

NOV 1957

93





3430 ABCD
3608 ABCD
3704 ABCD
3713 ABC(P)

personnel

BUILDING NUMBERS

3430, 3608, 3704, 3713
3720, 3807

SEE SITE PLAN SHEET (67) FOR LOCATI

Type 57-VI

8' 4' 0 8' 16'

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONI
CAPEHART HOUSING SCHOFIELD 196
FIRST AND SECOND FLOOR PLANS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PA
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 8290		25	23	07

UNIT TYPE 57-VII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3900

Building Type: 57 - VII

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: after 5 pm

No. of Occupants: 2

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

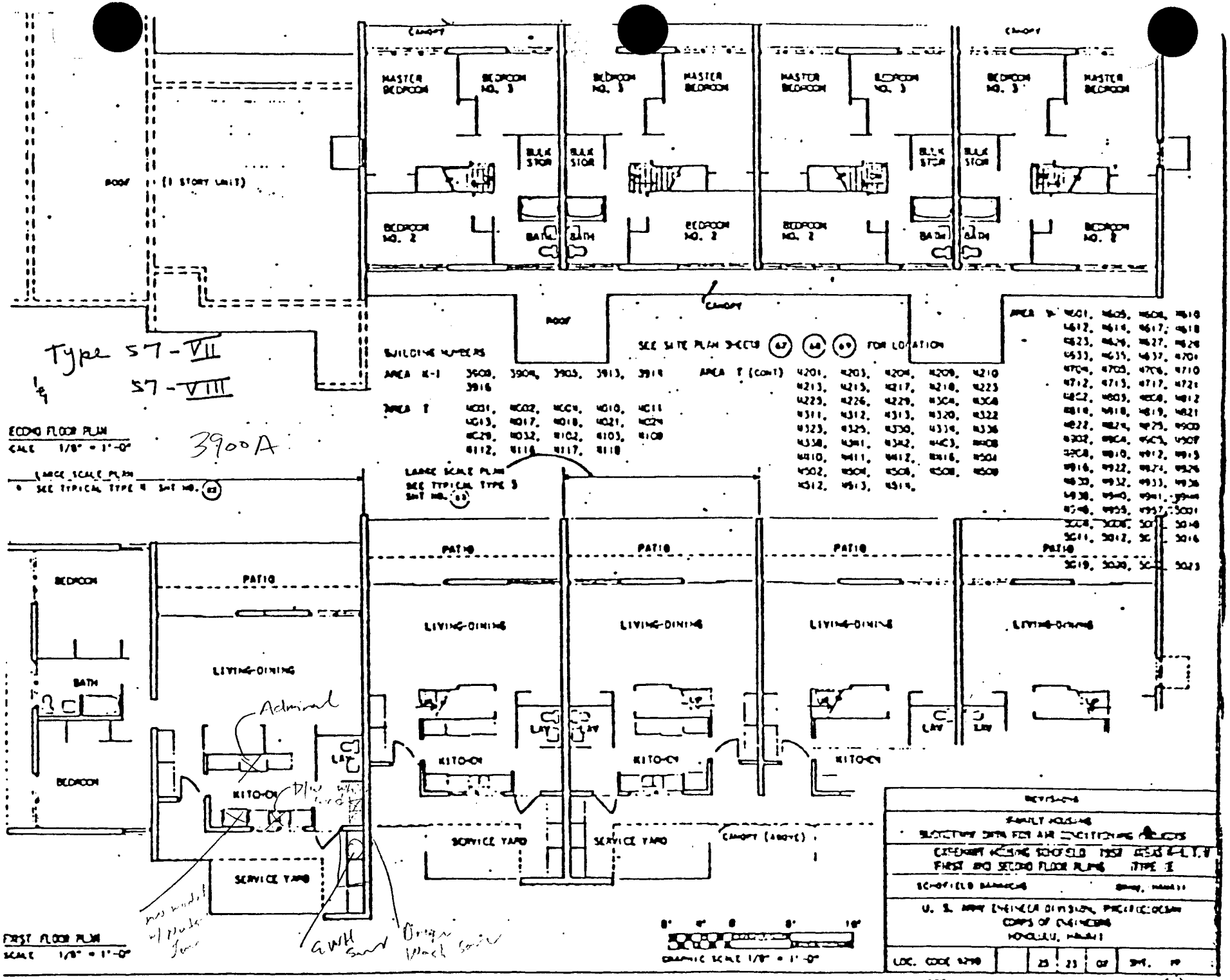
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

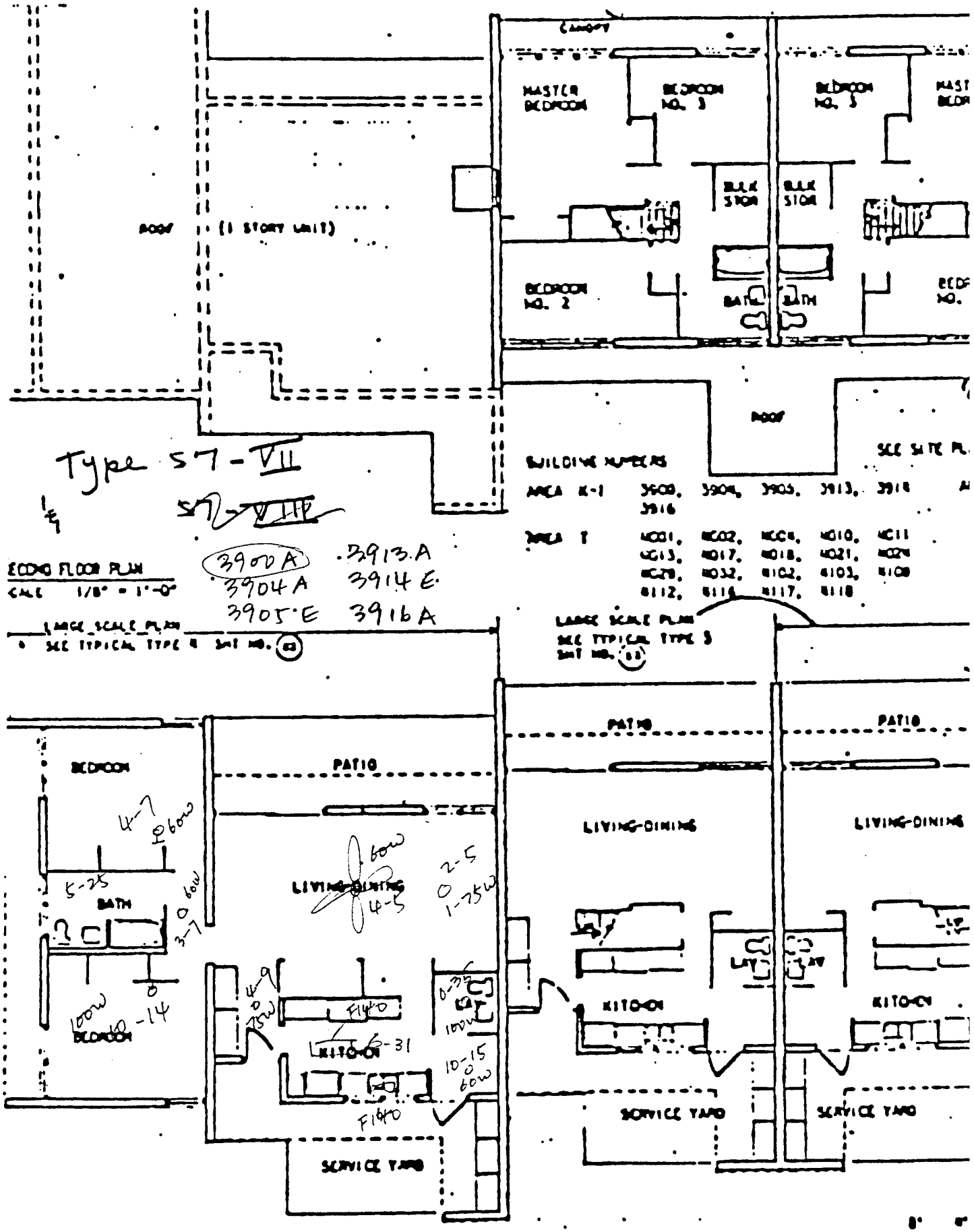
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	2l/10s	112°F	


Type 57 - VII
57 - VIII
3900A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
(1 STORY UNIT)
ROOF
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BATH
LINEN STOR
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3914 3916
AREA T W001, W002, W004, W010, W011 W013, W017, W018, W021, W024 W029, W032, W102, W103, W108 W112, W116, W117, W118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (Cont) W201, W203, W204, W209, W210 W213, W215, W217, W218, W223 W225, W226, W229, W304, W308 W311, W312, W313, W320, W322 W323, W325, W330, W334, W336 W338, W341, W342, W403, W408 W410, W411, W412, W416, W504 W502, W504, W508, W508, W509 W512, W513, W514,
AREA T W601, W605, W606, W610 W612, W614, W617, W618 W623, W624, W627, W628 W633, W635, W637, W701 W704, W705, W706, W710 W712, W715, W717, W721 W802, W803, W804, W812 W816, W818, W819, W821 W822, W824, W825, W900 W902, W904, W905, W909 W908, W910, W912, W915 W916, W922, W924, W926 W930, W932, W933, W936 W938, W940, W941, W944 W946, W955, W957, S001 S004, S006, S01 S014 S011, S012, S0 S016 S019, S020, S0 S023
LARGE SCALE PLAN SEE TYPICAL TYPE T SHT NO. 63
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 63
BEDROOM
BATH
LIVING-DINING
PATIO
KITCHEN
LAV
SERVICE YARD
CANOPY (ABOVE)
Admiral
GWH
Orig Wash Sink
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SELECTIVE DATA FOR AIR CONDITIONING PROJECTS
CONCRETE HOUSING SCHOFIELD POST AREAS K-1, T, U
FIRST AND SECOND FLOOR PLANS TYPE S
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 4710
MAY 1973
79


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 5
LINEN STORE
ROOF
(1 STORY UNIT)
BEDROOM NO. 2
BATH
ROOF
Type 57 - VII
VIII
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA 1 K001, K002, K006, K010, K011, K013, K017, K018, K021, K029, K030, K032, K102, K103, K108, K112, K116, K117, K118
3900 A
3904 A
3905 E
3913 A
3914 E
3916 A
LARGE SCALE PLAN
SEE TYPICAL TYPE 8 SHT NO. 88
LARGE SCALE PLAN
SEE TYPICAL TYPE 5 SHT NO. 85
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
SERVICE YARD
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3904

Building Type: 57-VII

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 3-4 pm

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

same as 57-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

Same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

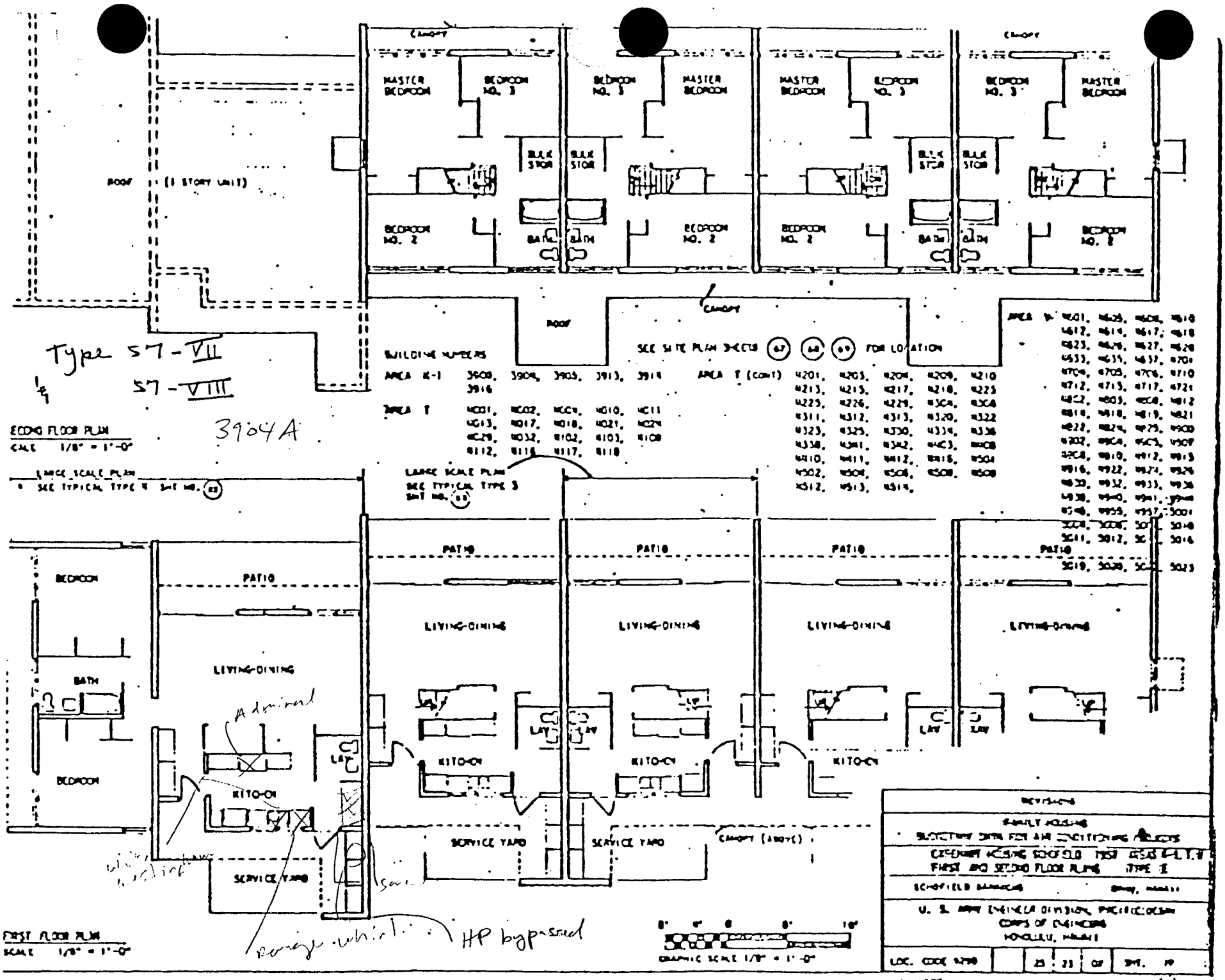
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

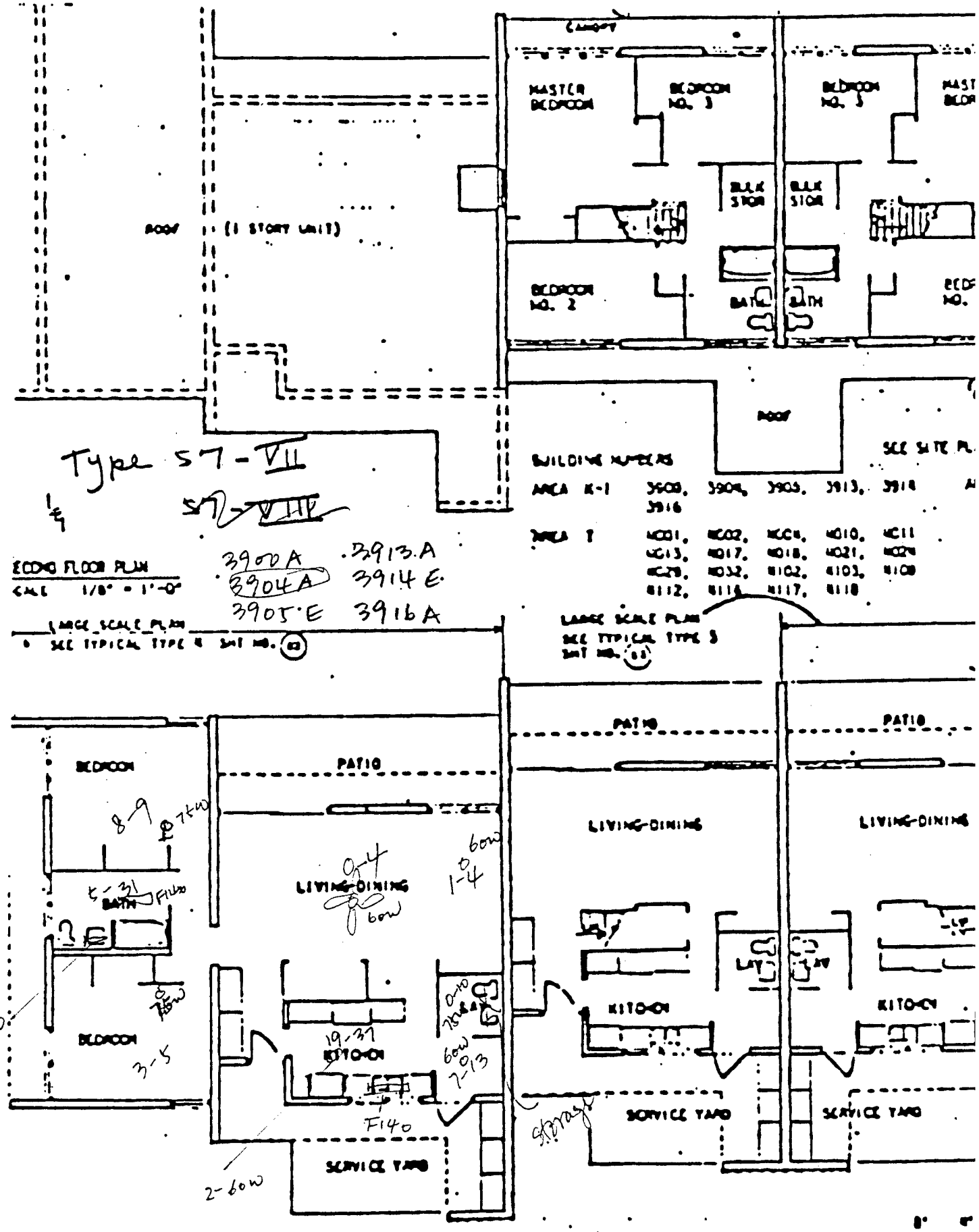
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2.2/105	118	


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BULK STOR
BATH
ROOF
(1 STORY UNIT)
Type 57-VII
57-VIII
3904A
BUILDING NUMBERS
AREA K-1 3908, 3904, 3905, 3913, 3914 3916
AREA T #001, #002, #004, #010, #011 #013, #017, #018, #021, #024 #028, #032, #102, #103, #108 #112, #116, #117, #118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (Cont) #201, #203, #204, #209, #210 #213, #215, #217, #218, #223 #225, #226, #229, #304, #308 #311, #312, #313, #320, #322 #323, #325, #330, #334, #336 #338, #341, #342, #343, #408 #410, #411, #412, #416, #504 #502, #504, #506, #508, #608 #512, #513, #514,
AREA T #601, #605, #606, #610 #612, #614, #617, #618 #623, #624, #627, #628 #633, #634, #637, #701 #704, #705, #706, #710 #712, #713, #717, #721 #802, #803, #808, #812 #816, #818, #819, #821 #822, #824, #825, #900 #902, #904, #905, #909 #908, #910, #912, #913 #916, #922, #924, #926 #930, #932, #933, #936 #938, #940, #941, #944 #946, #955, #957, 5001 3004, 3006, 3010 3011, 3012, 3016 3019, 3020, 3023
LARGE SCALE PLAN SEE TYPICAL TYPE K SHT NO. 62
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 63
PATIO
BEDROOM
BATH
LIVING-DINING
KITCHEN
LAV
SERVICE YARD
CANOPY (ABOVE)
Admiral
range which
HP bypassed
ECONG FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SELECTIVE DATA FOR AIR CONDITIONING ADDITIONS
EXISTING HOUSING SCHOFIELD BKS 4-5-6-7-8
FIRST AND SECOND FLOOR PLANS TYPE I
SCHOFIELD BARRACKS Oahu, Hawaii
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 8760
MAY 1973
68


MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 3
LINEN STOR
LINEN STOR
BEDROOM NO. 2
BATH
BATH
ROOF
(1 STORY UNIT)
ROOF
Type 57 - VII
57 - VIII
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3914, 3916
AREA 1 K001, K002, K004, K010, K011, K013, K017, K018, K021, K029, K030, K032, K102, K103, K108, K112, K114, K117, K118
3900A 3913A
3904A 3914E
3905E 3916A
FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE 6 UNIT NO. 02
LARGE SCALE PLAN
SEE TYPICAL TYPE 5 UNIT NO. 01
BEDROOM
PATIO
LIVING-DINING
BATH
BEDROOM
KITCHEN
SERVICE YARD
PATIO
LIVING-DINING
KITCHEN
SERVICE YARD
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3913

Building Type: 57-VII

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

same as 57-III

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted

Reflective Coating ✓

3.0 HOT WATER SYSTEM

same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

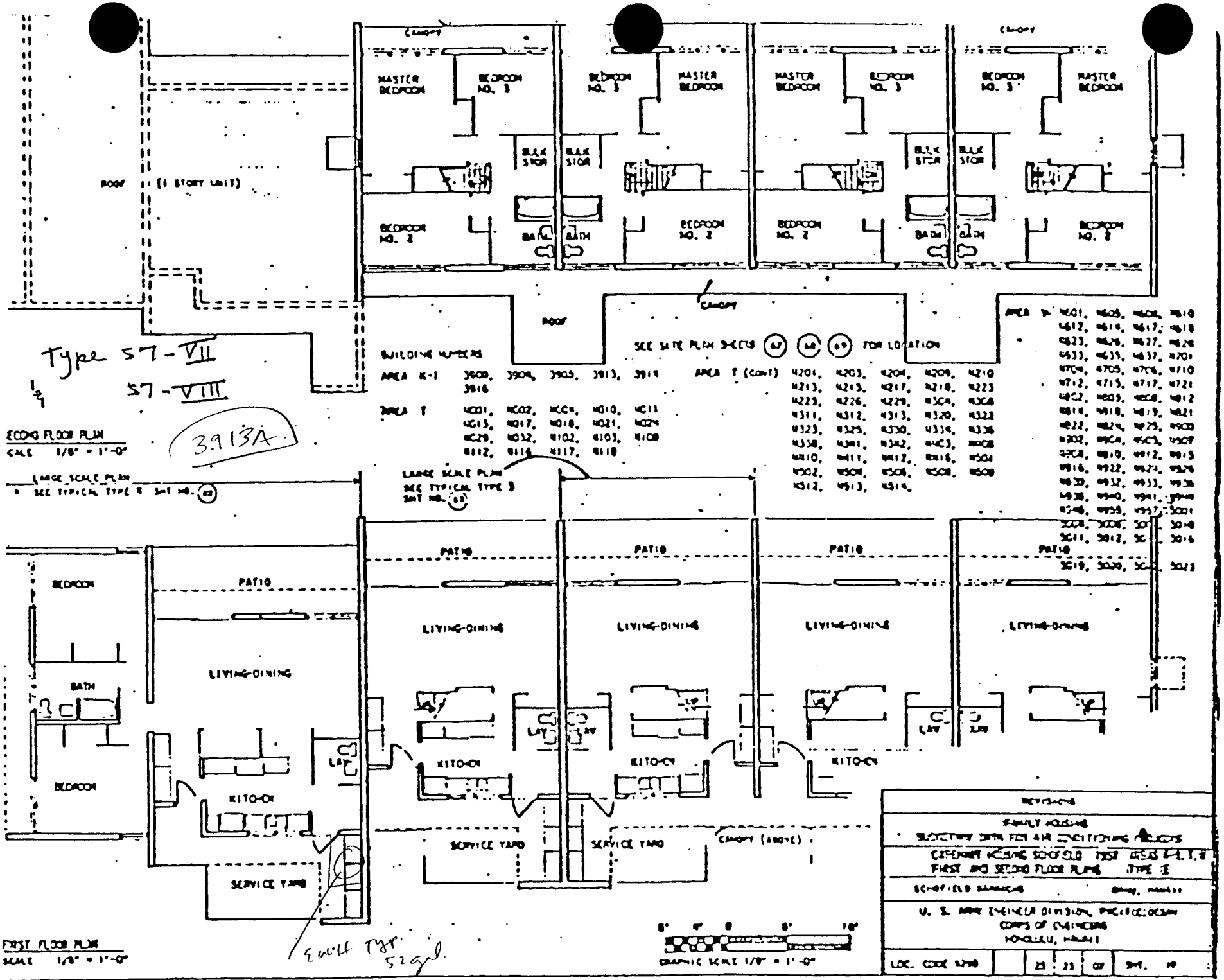
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

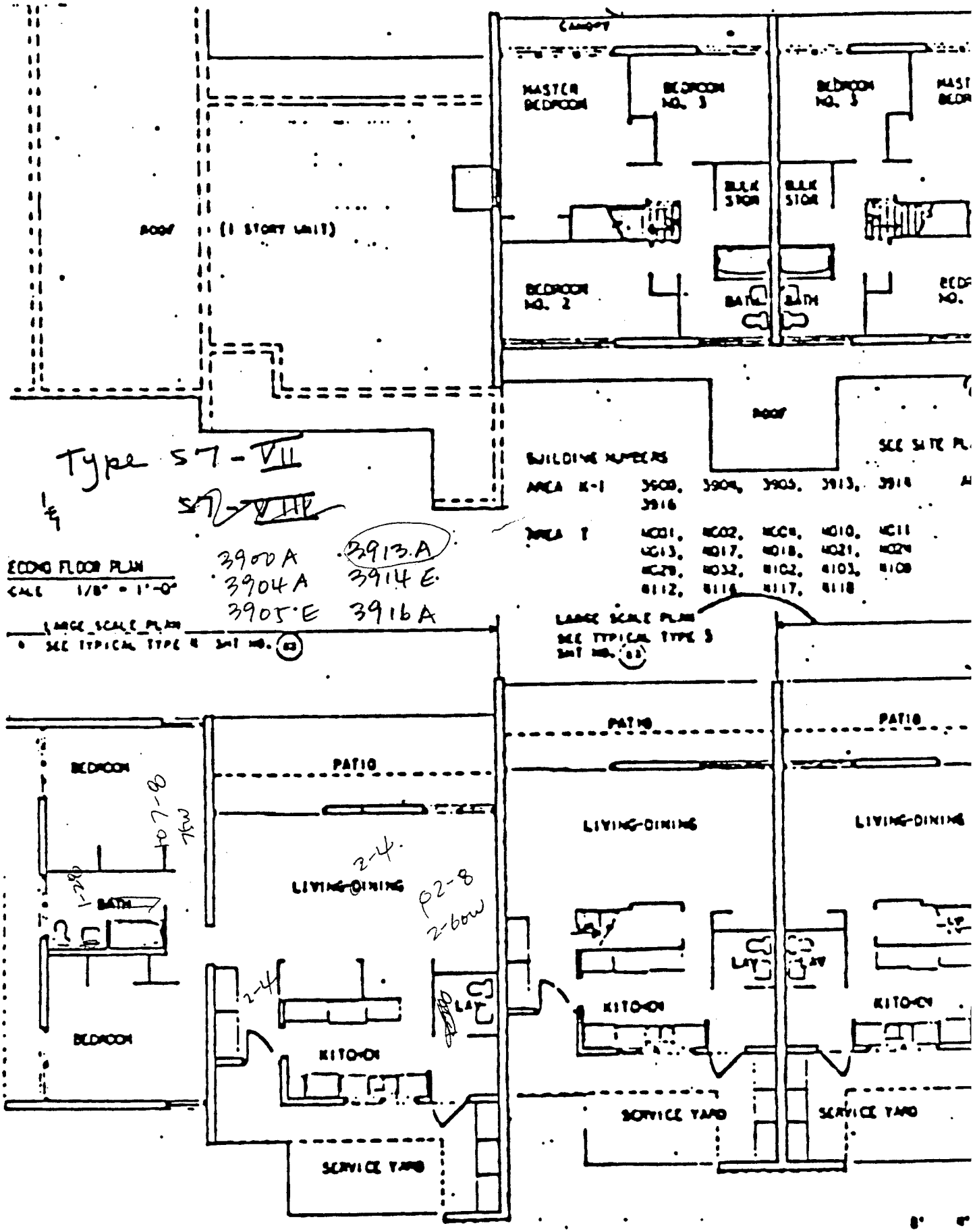
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Shwr	2ℓ/10s	124	


Type 57 - VII
57 - VIII
3913A
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
(1 STORY UNIT)
ROOF
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BULK STOR
BATH
BUILDING NUMBERS
AREA K-1 3908, 3909, 3915, 3916
AREA T K001, K002, K004, K010, K011, K013, K017, K018, K021, K029, K029, K032, K102, K103, K108, K112, K116, K117, K118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (CONT) K201, K203, K204, K209, K210, K213, K215, K217, K218, K223, K223, K226, K229, K304, K306, K311, K312, K313, K320, K322, K323, K325, K330, K334, K336, K338, K341, K342, K403, K408, K410, K411, K412, K416, K501, K502, K504, K506, K508, K509, K512, K513, K514,
AREA K K601, K605, K606, K610, K612, K614, K617, K618, K623, K626, K627, K629, K633, K635, K637, K701, K704, K705, K706, K710, K712, K715, K717, K721, K802, K803, K806, K812, K814, K818, K819, K821, K822, K824, K825, K900, K902, K904, K905, K907, K908, K910, K912, K913, K916, K922, K924, K926, K930, K932, K933, K936, K938, K940, K941, K946, K955, K957, K001, 3008, 3006, 501, 3010, 3011, 3012, 3016, 3019, 3020, 3023
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 22
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 23
PATIO
LIVING-DINING
KITCHEN
LAV
BEDROOM
BATH
SERVICE YARD
CANOPY (ABOVE)
8" 0" 8" 0" 16"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SELECTIVE DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD TYPE AREAS K-1, T-1, T-2
FIRST AND SECOND FLOOR PLANS TYPE S
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 4750
MAY 1973
75


CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 3
LINEN STOR
LINEN STOR
ROOF
(1 STORY UNIT)
BEDROOM NO. 2
BATH
BATH
ROOF
SEE SITE PL
BUILDING NUMBERS
AREA K-1 3908, 3909, 3905, 3913, 3916
3916
AREA 1 K001, K002, K006, K010, K011
K013, K017, K018, K021, K024
K029, K032, K102, K103, K108
K112, K116, K117, K118
Type 57 - VII
57 - VIII
1/8
ECONO FLOOR PLAN
SCALE 1/8" = 1'-0"
3900A 3913.A
3904A 3914E
3905E 3916A
LARGE SCALE PLAN
SEE TYPICAL TYPE 4 SHT NO. 60
LARGE SCALE PLAN
SEE TYPICAL TYPE 3
SHT NO. 61
PATIO
PATIO
BEDROOM
8-7 ms
2-2
BATH
PATIO
LIVING-DINING
2-4
LIVING-DINING
LIVING-DINING
P2-8
2-60w
2-4
LAV
KITCHEN
KITCHEN
KITCHEN
BEDROOM
SERVICE YARD
SERVICE YARD
SERVICE YARD
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3914

Building Type: S7 VII

Apartment: E

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8 hrs.

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as S7-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

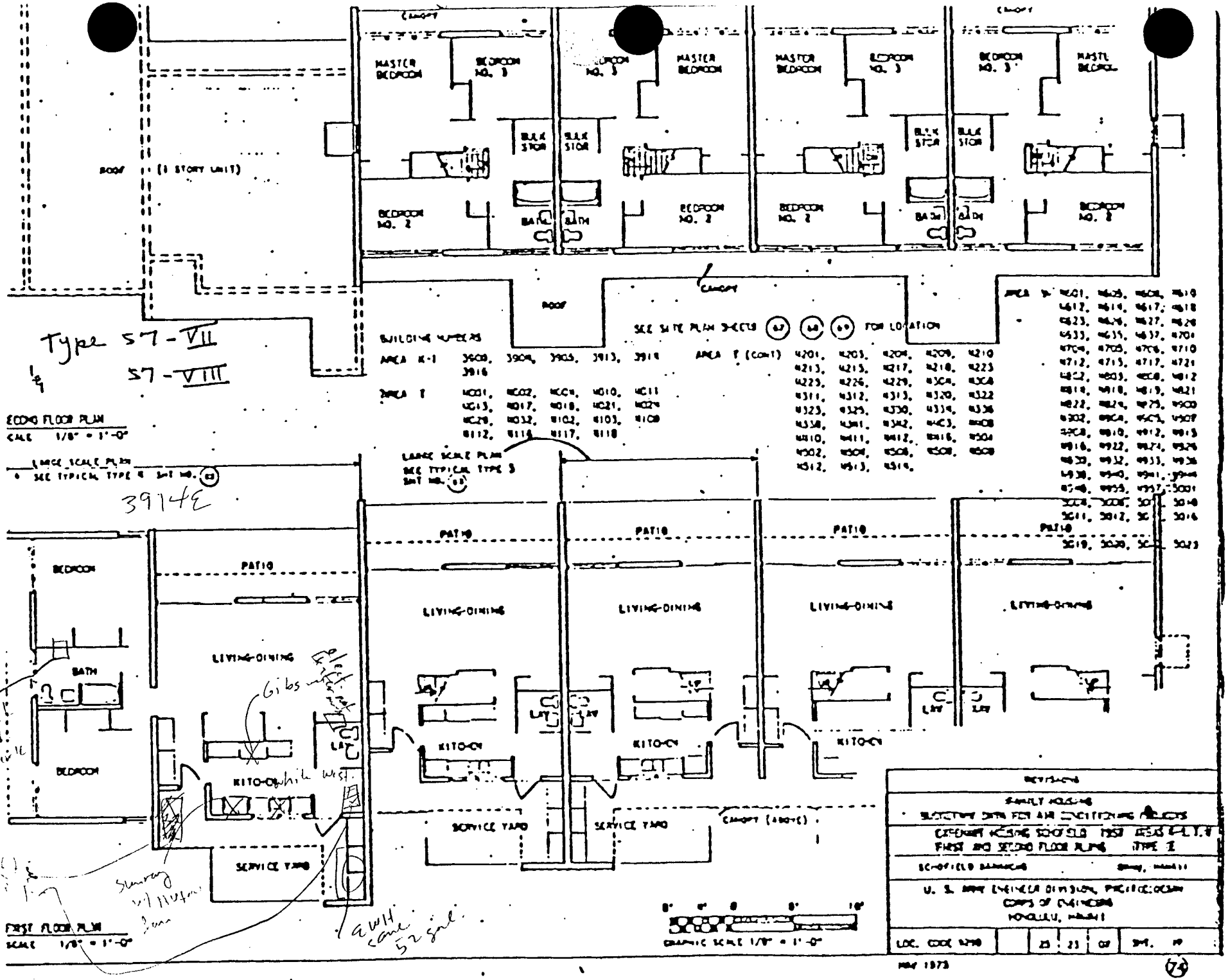
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

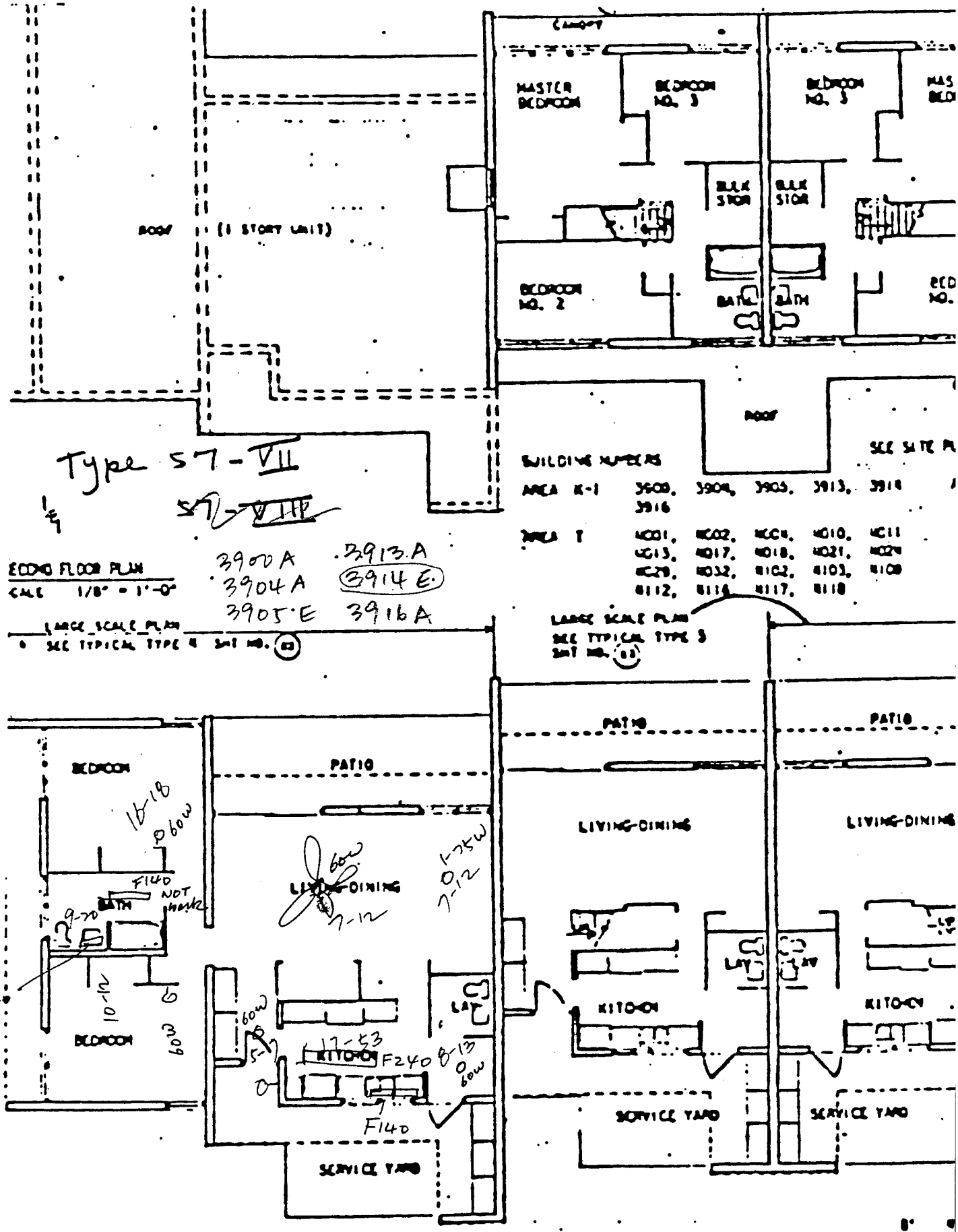
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit sk	2ℓ/105	118	
Shwr	4ℓ/105	110	


Type S7-VII
S7-VIII
3914E
ROOF
(1 STORY UNIT)
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BATH
BLK STOR
BUILDING NUMBERS
AREA K-1 3908, 3909, 3905, 3913, 3914, 3916
AREA T W001, W002, W004, W010, W011, W013, W017, W018, W021, W029, W032, W102, W103, W108, W112, W116, W117, W118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (CONT) W201, W203, W204, W209, W210, W213, W215, W217, W218, W223, W225, W226, W229, W304, W308, W311, W312, W313, W320, W322, W323, W325, W330, W334, W336, W338, W341, W342, W403, W408, W410, W411, W412, W416, W504, W502, W504, W508, W509, W512, W513, W516,
AREA V W401, W405, W406, W410, W412, W414, W417, W418, W423, W426, W427, W428, W433, W435, W437, W701, W704, W705, W706, W710, W712, W715, W717, W721, W802, W803, W808, W812, W814, W818, W819, W821, W822, W824, W825, W900, W902, W904, W905, W907, W908, W910, W912, W915, W916, W922, W924, W926, W930, W932, W933, W936, W938, W940, W941, W944, W946, W948, W955, W957, 5001, 5008, 5009, 5010, 5011, 5012, 5016, 5019, 5020, 5023
LARGE SCALE PLAN
SEE TYPICAL TYPE K SHT NO. 63
LARGE SCALE PLAN
SEE TYPICAL TYPE S SHT NO. 63
PATIO
BEDROOM
BATH
LIVING-DINING
KITCHEN
SERVICE YARD
CANOPY (ABOVE)
Gibs
Stairway w/ Hatch
Lawn
Concrete
ECONO FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SELECTIVE DATA FOR AIR CONDITIONING PROJECTS
EXPEDIENT HOUSING SCHOFIELD TYPES K-1, T, V
FIRST AND SECOND FLOOR PLANS TYPE T
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 5710
MAY 1973
73



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

UNIT TYPE 57-VIII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3900

Building Type: 57 - VIII

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 2 p.m on

No. of Occupants: 4

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: not used

Remarks: _____

2.0 ARCHITECTURAL

same as SM-111

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ____ No ____

Tinted ____

Reflective Coating ____

Same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

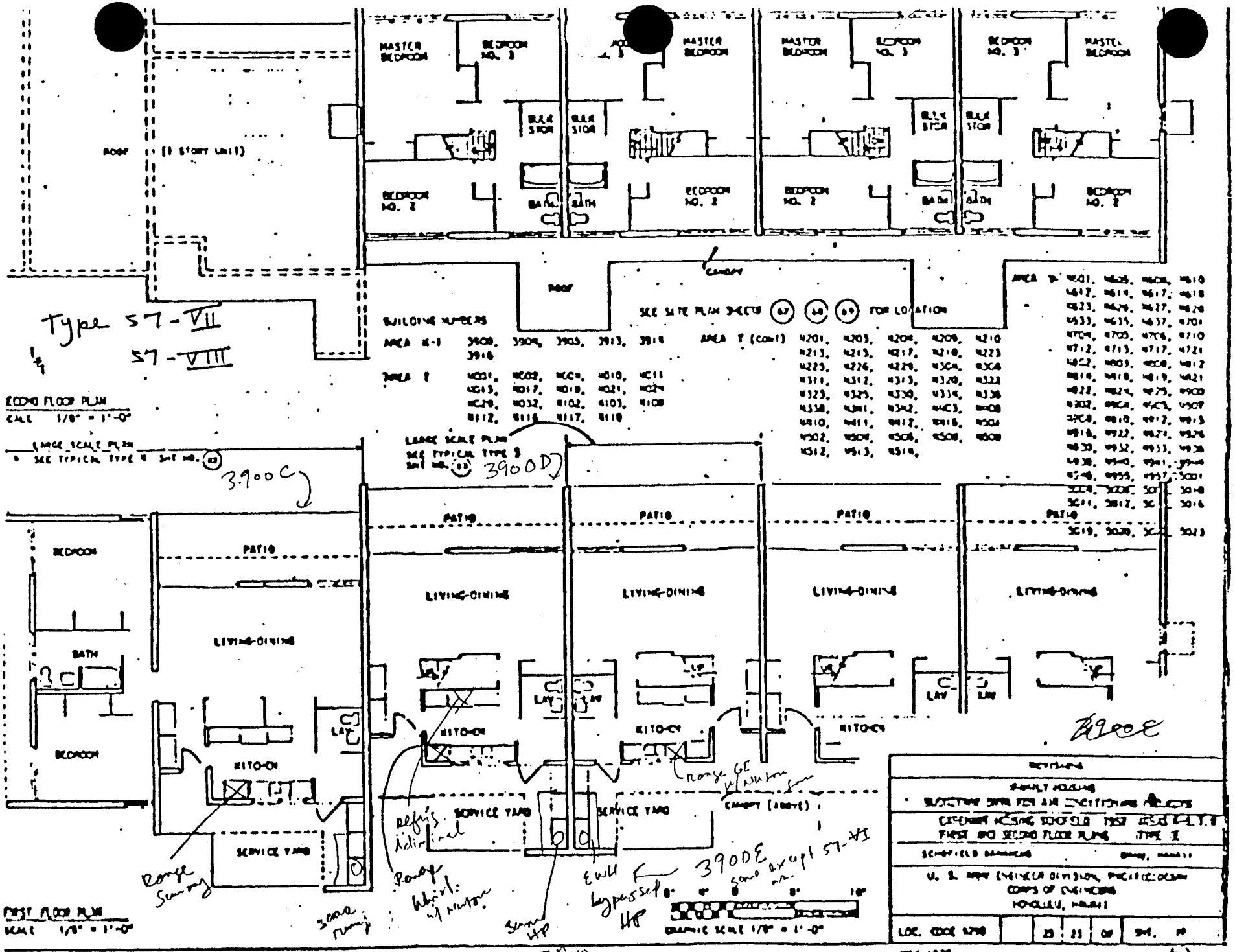
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

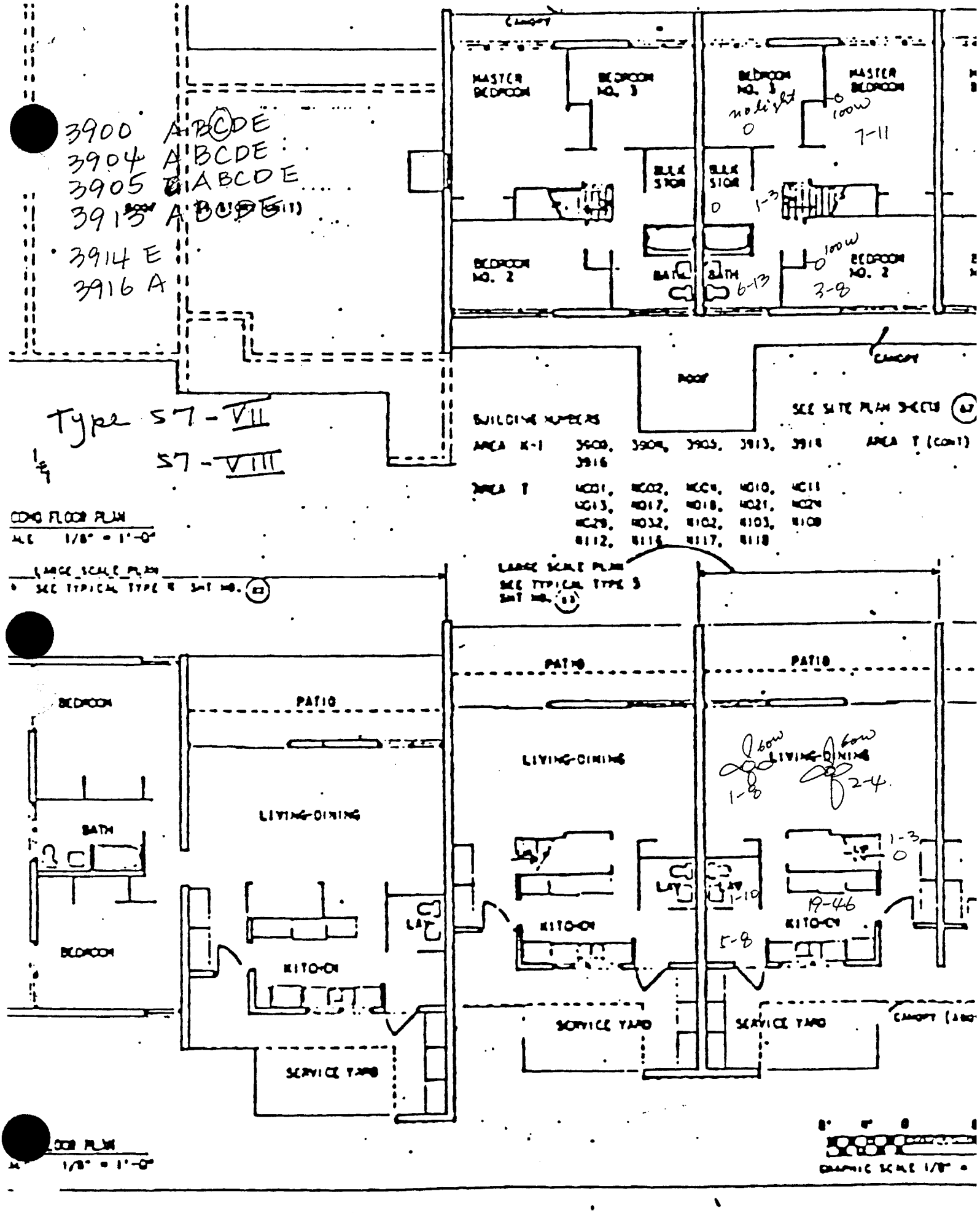
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	1l/10s	109	Doing Laundry


Type 57-VII
57-VIII
BUILDING NUMBERS
AREA K-1 3908, 3906, 3905, 3913, 3914 3916
AREA T W001, W002, W004, W010, W011 W013, W017, W018, W021, W024 W029, W032, W102, W103, W108 W112, W116, W117, W118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (Cont) W201, W203, W204, W209, W210 W213, W215, W217, W218, W223 W225, W226, W229, W304, W308 W311, W312, W313, W320, W322 W323, W325, W330, W334, W336 W338, W341, W342, W403, W408 W410, W411, W412, W416, W504 W502, W504, W506, W508, W508 W512, W513, W514,
AREA W W401, W405, W408, W410 W412, W414, W417, W418 W423, W426, W427, W428 W433, W435, W437, W701 W704, W705, W706, W710 W712, W713, W717, W721 W802, W803, W808, W812 W819, W818, W819, W821 W822, W824, W825, W900 W902, W904, W905, W907 W908, W910, W912, W913 W916, W922, W924, W926 W930, W932, W933, W936 W938, W940, W941, W944 W948, W955, W957, 5001 5008, 5006, 5010, 5014 5011, 5012, 5015, 5016 5019, 5020, 5021, 5023
LARGE SCALE PLAN SEE TYPICAL TYPE K SHT NO. 62
3900C
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 63
3900D
ROOF
(1 STORY UNIT)
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
WALK STOR
BATH
PATIO
LIVING-DINING
KITCHEN
LAUN
SERVICE YARD
CANOPY (ABOVE)
Range GE
Range Sunray
Refrig Kelvinator
Range Whirlpool
Sewer HP
Sewer HP
Exit bypassed HP
3900E except 57-VI
3900E
ROOF PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
ELECTRICAL DATA FOR AIR CONDITIONING APPLIANCES
SCHOFIELD BARRACKS
FINISH AND SECOND FLOOR PLANS TYPE T
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 6700
23 23 08
SHT. 19
MAY 1973
73


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type 57 - VII
57 - VIII
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BULK STOR
BATH
CANOPY
ROOF
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA T 4001, 4002, 4004, 4010, 4011, 4013, 4017, 4018, 4021, 4024, 4029, 4032, 4102, 4103, 4108, 4112, 4116, 4117, 4118
AREA T (CONT)
SEE SITE PLAN SHEET
LARGE SCALE PLAN
SEE TYPICAL TYPE S SHT NO.
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
LAV
SERVICE YARD
CANOPY
1/8" = 1'-0"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3900

Building Type: 57-VIII

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 5

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ___

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

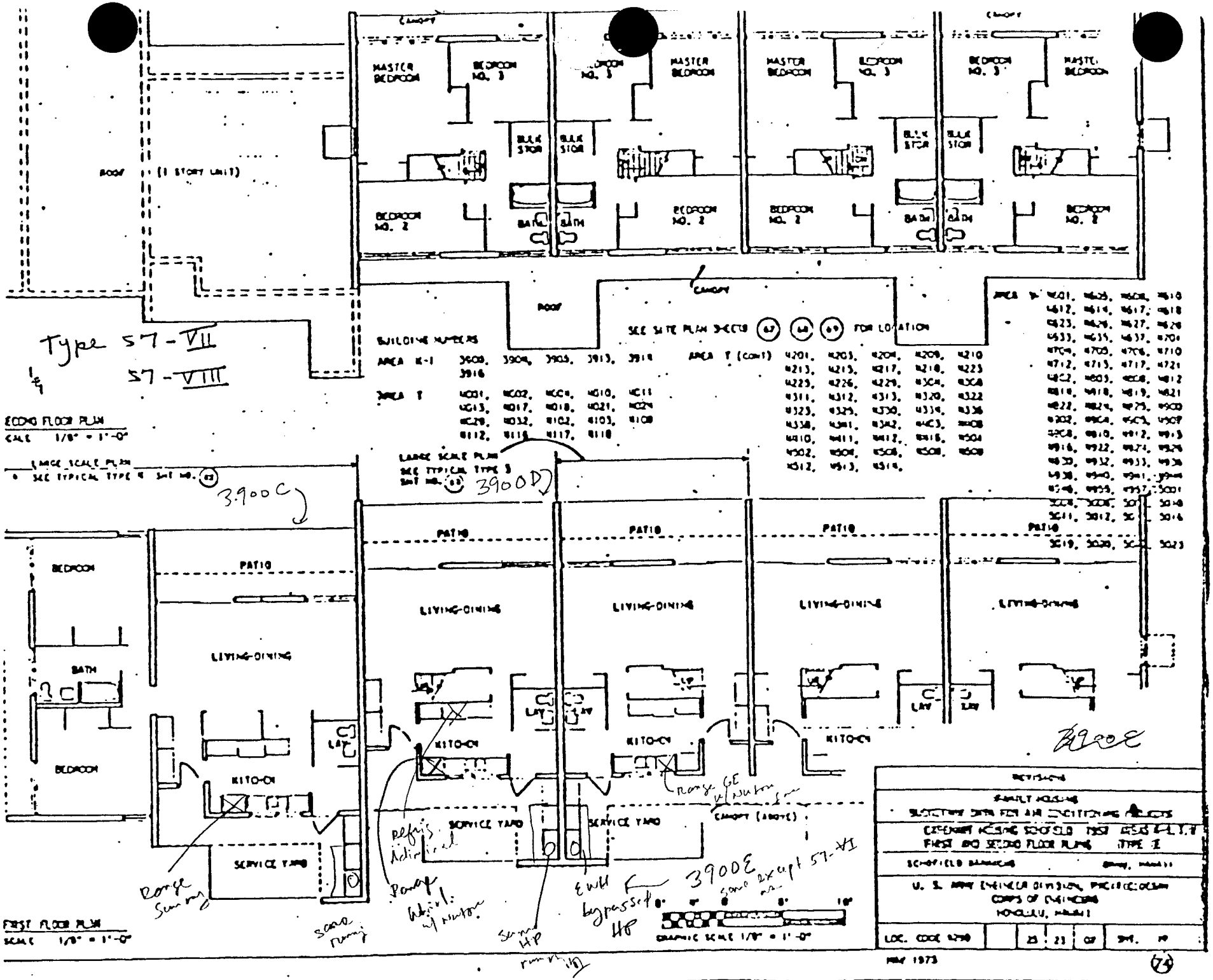
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

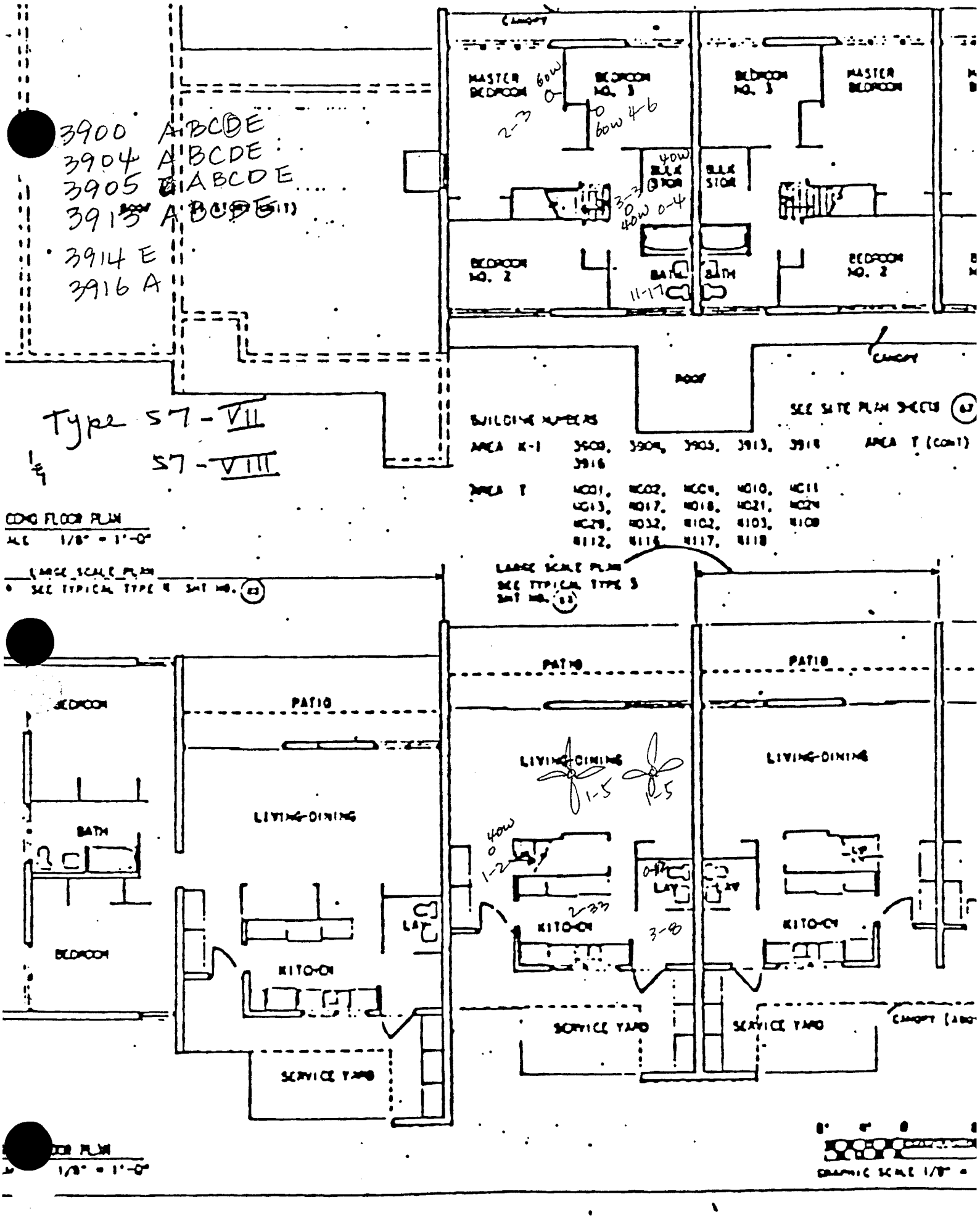
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5ℓ/105	122	


Type 57-VII
57-VIII
3900C
3900D
3900E
except 57-XI
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
BUILDING NUMBERS
AREA K-1 3908, 3909, 3905, 3913, 3914, 3916
AREA T 4001, 4002, 4004, 4010, 4011, 4013, 4017, 4018, 4021, 4024, 4029, 4032, 4102, 4103, 4108, 4112, 4113, 4117, 4118
AREA T (Cont) 4201, 4203, 4204, 4209, 4210, 4213, 4215, 4217, 4218, 4223, 4225, 4226, 4229, 4304, 4308, 4311, 4312, 4313, 4320, 4322, 4323, 4325, 4330, 4334, 4336, 4338, 4341, 4342, 4403, 4408, 4410, 4411, 4412, 4416, 4504, 4502, 4504, 4508, 4508, 4509, 4512, 4513, 4514,
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 69
LARGE SCALE PLAN SEE TYPICAL TYPE K SHT NO. 72
BEDROOM
PATIO
LIVING-DINING
BATH
KITCHEN
LAV
SERVICE YARD
CANOPY (ABOVE)
Range w/ hood
Range Sunray
Refrig Admiral
Range GE w/ hood
Range Whirl: w/ hood
Sunray HP
Ewll bypassed HP
same running
GRAPHIC SCALE 1/8" = 1'-0"
REVISIONS
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 4700
MAY 1973
74


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type S7 - VII
S7 - VIII
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BATH
ROOF
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA T 4001, 4002, 4006, 4010, 4011, 4013, 4017, 4018, 4021, 4029, 4032, 4102, 4103, 4108, 4112, 4116, 4117, 4118
AREA T (CONT)
SEE SITE PLAN SHEET 67
CDHG FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE K SHT NO. 62
LARGE SCALE PLAN
SEE TYPICAL TYPE S SHT NO. 63
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
LAUN
SERVICE YARD
CANOPY
1/8" = 1'-0"
GRAPHIC SCALE 1/8"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3900

Building Type: 57-VIII

Apartment: E

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

same as SM-III

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____ ✓

Reflective Coating ____

same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

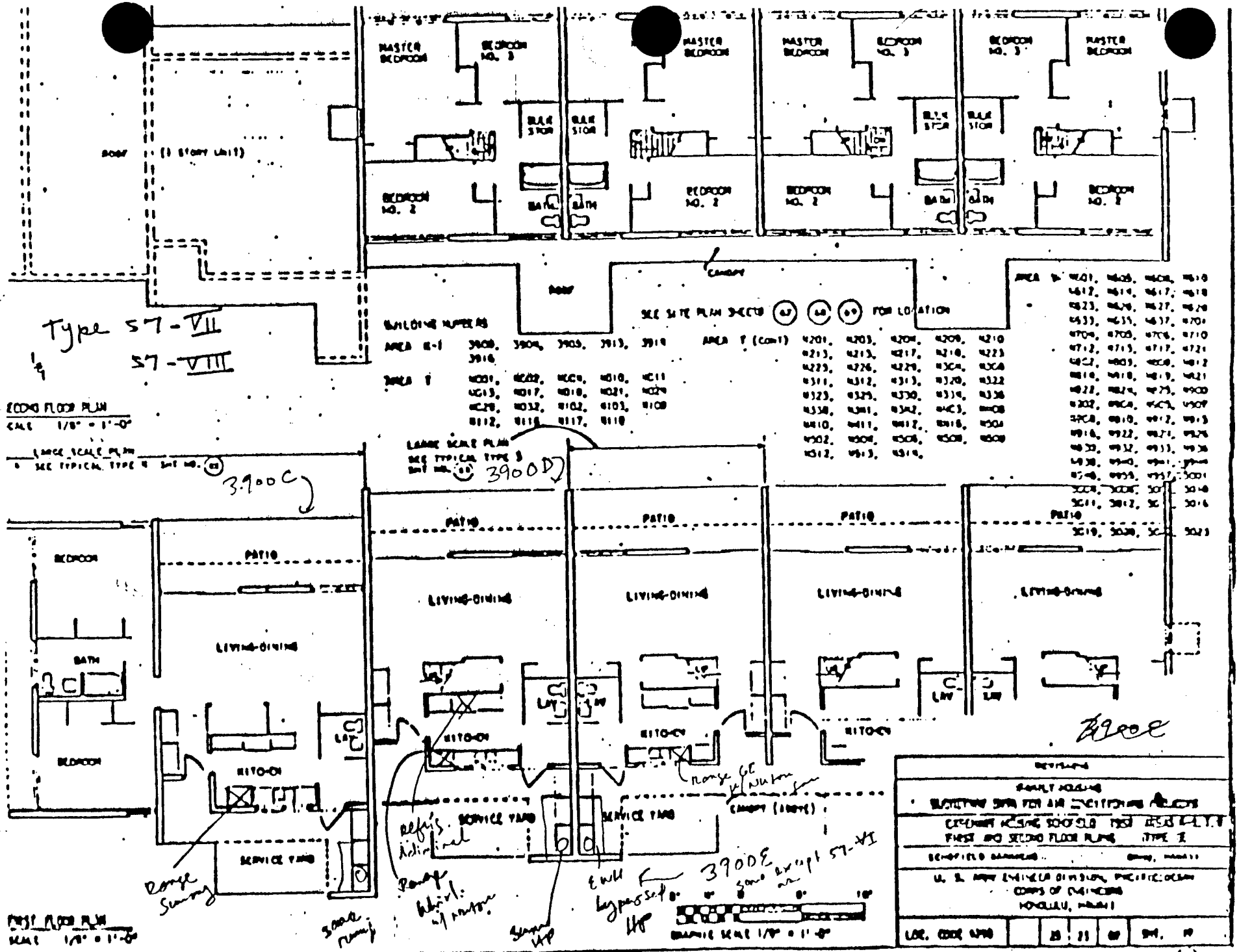
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

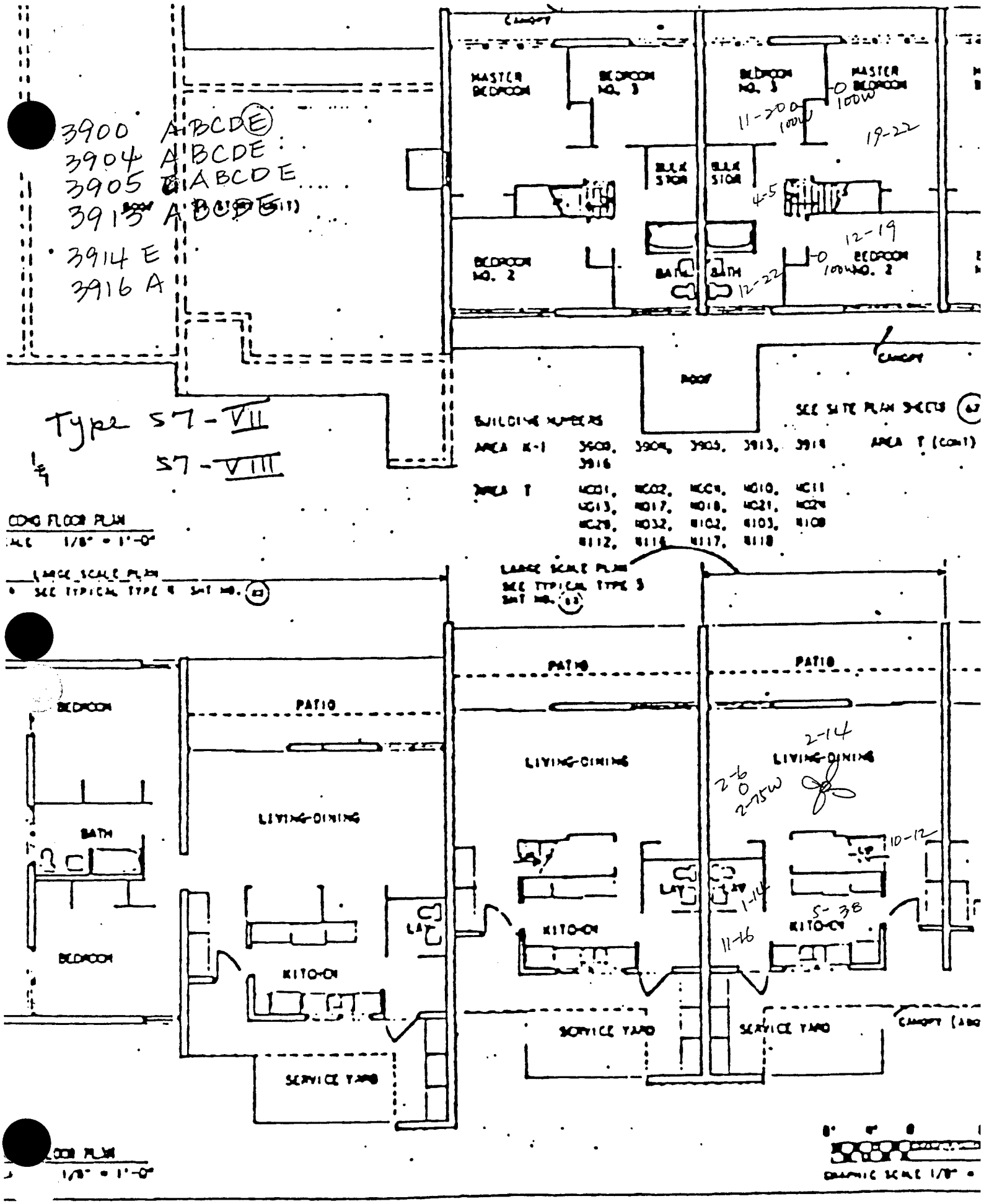
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5 l/10s	120	


Type 57 - VII
57 - VIII
BUILDING NUMBERS
AREA K-1 3908, 3909, 3913, 3914 3916
AREA T H001, H002, H009, H010, H011 H013, H017, H018, H021, H029 H030, H032, H102, H103, H108 H112, H116, H117, H118
AREA T (cont) H201, H203, H204, H209, H210 H213, H215, H217, H218, H223 H225, H226, H229, H304, H308 H311, H312, H313, H320, H322 H323, H325, H330, H334, H336 H338, H341, H342, H403, H408 H410, H411, H412, H416, H504 H502, H504, H506, H508, H509 H512, H513, H514,
SEE SITE PLAN SHEETS A7 A8 A9 FOR LOCATION
AREA T H401, H405, H406, H410 H412, H414, H417, H418 H423, H426, H427, H429 H433, H435, H437, H701 H704, H705, H706, H710 H712, H713, H717, H721 H802, H803, H806, H812 H814, H818, H819, H821 H822, H824, H825, H900 H902, H904, H905, H907 H908, H910, H912, H915 H916, H922, H923, H926 H930, H932, H933, H936 H938, H940, H941, H944 H946, H955, H957, 5001 5008, 5008E, 5011 5012, 5012E, 5019, 5020, 5023
LARGE SCALE PLAN SEE TYPICAL TYPE 3 UNIT NO. A3 3900D
LARGE SCALE PLAN SEE TYPICAL TYPE 3 UNIT NO. A2 3900C
ROOF (1 STORY UNIT)
MASTER BEDROOM
BEDROOM NO. 2
BEDROOM NO. 3
WALK STOR
BATH
CANOPY
ROOF
PATIO
LIVING-DINING
KITCHEN
BEDROOM
BATH
SERVICE YARD
3900E
range ventilating
ref's additional
ramp w/rail
ramp
ramp
ewll bypass set
CANOPY (ABOVE)
3900E except 57-XI
GRAPHIC SCALE 1/8" = 1'-0"
ROOF FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
ELECTRICAL SERVICE FOR AIR CONDITIONING
FIRST AND SECOND FLOOR PLANS TYPE X
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
NOV 1973
79


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type 57 - VII
57 - VIII
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BULK STOR
BATH
CANOPY
ROOF
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA T 4C01, 4C02, 4C04, 4010, 4011, 4013, 4017, 4018, 4021, 4029, 4032, 4102, 4103, 4108, 4112, 4116, 4117, 4118
AREA T (cont)
SEE SITE PLAN SHEET
LARGE SCALE PLAN
SEE TYPICAL TYPE 5 SHT NO.
LARGE SCALE PLAN
SEE TYPICAL TYPE 6 SHT NO.
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
SERVICE YARD
11-20 100W
19-22
4-5
12-19
12-22
2-14
2-6
2-15W
10-12
1-14
5-38
11-16
GRAPHIC SCALE 1/8"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3904

Building Type: 57-VIII

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 5

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 2X weeks

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ___

Reflective Coating ✓

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

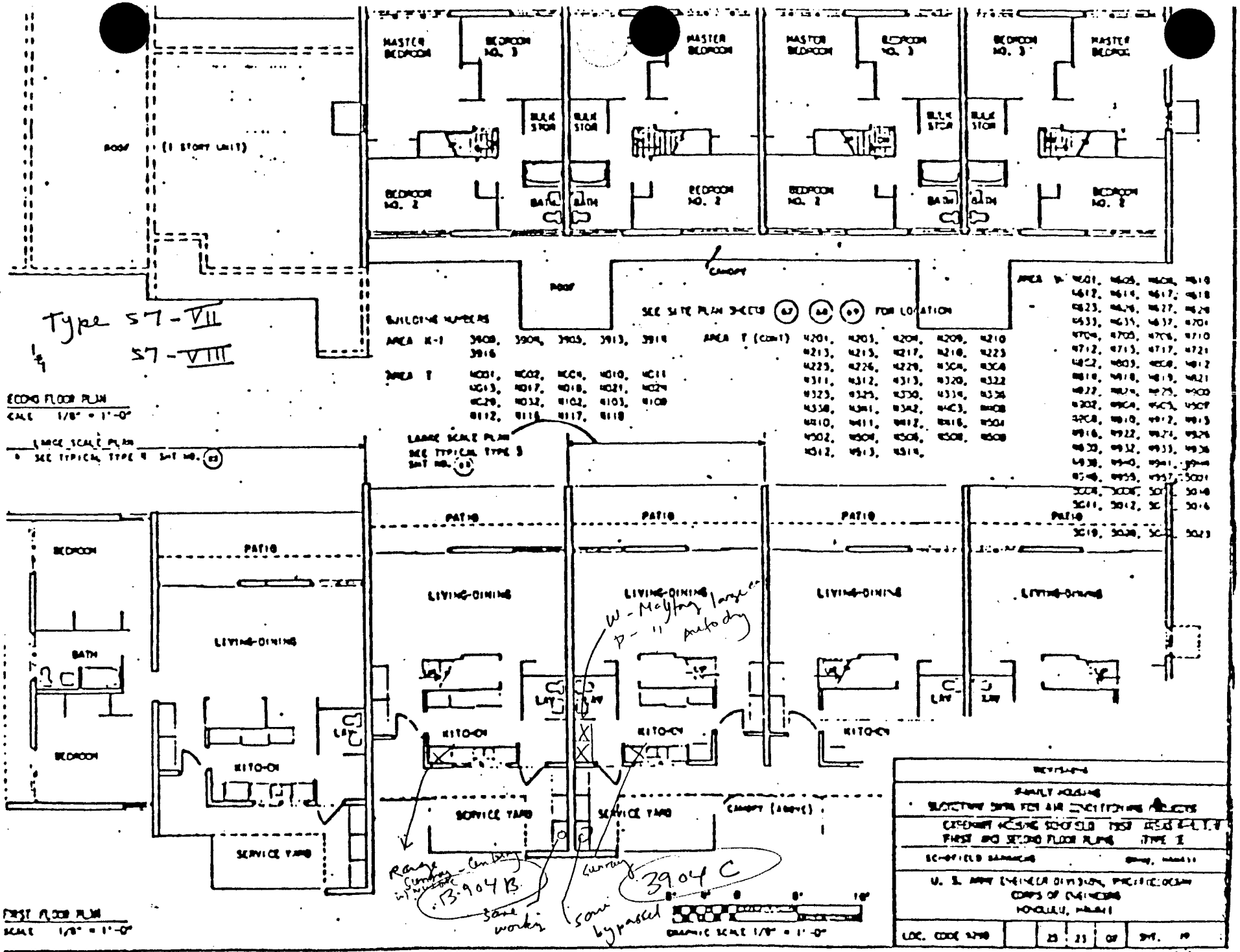
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

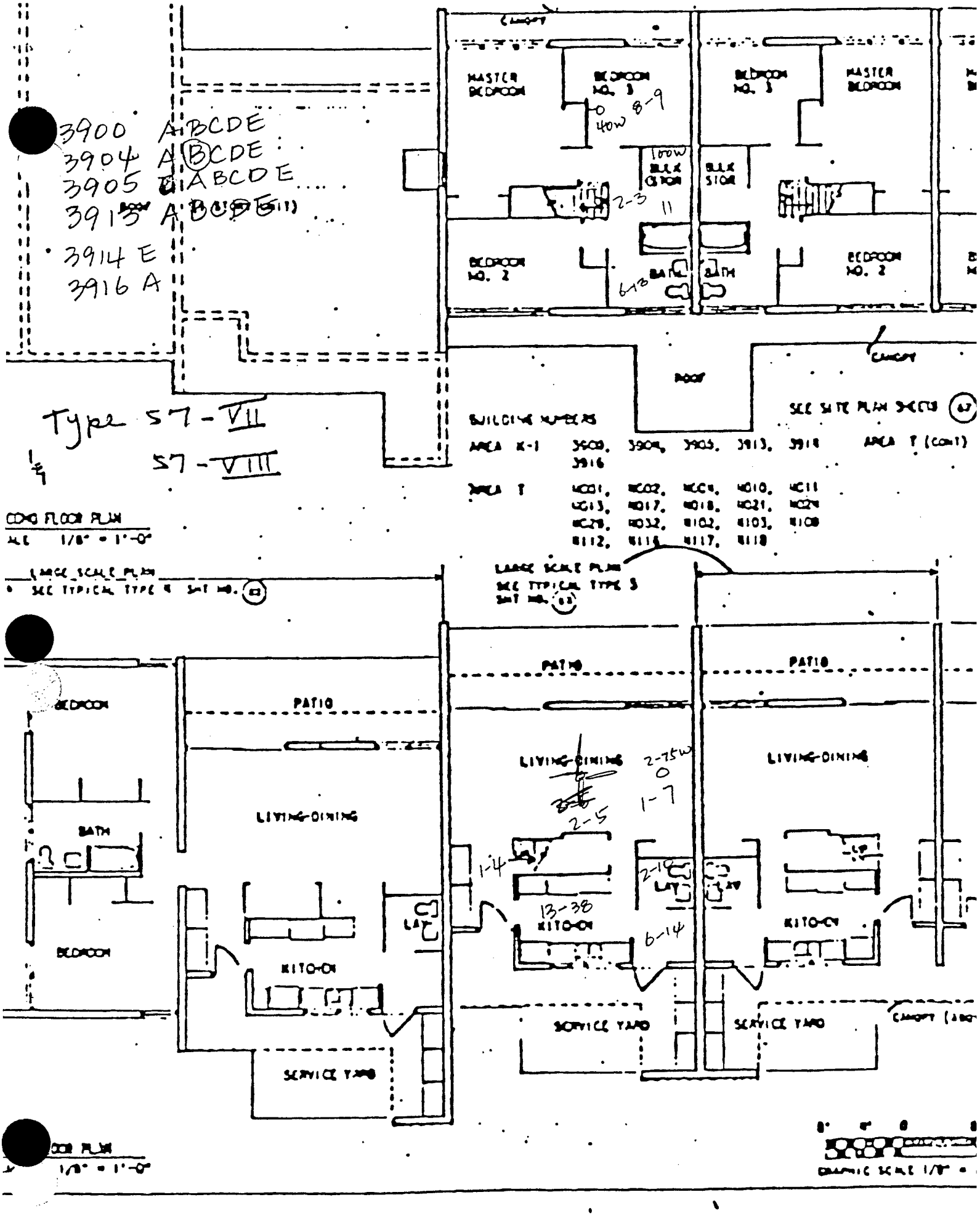
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	2ℓ/10s	124	


Type 57-VII
57-VIII
BUILDING NUMBERS
AREA K-1 3908, 3904, 3905, 3913, 3914 3916
AREA T H001, H002, H004, H010, H011 H013, H017, H018, H021, H029 H029, H032, H102, H103, H109 H112, H116, H117, H118
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA T (Cont) H201, H203, H204, H209, H210 H213, H215, H217, H218, H223 H225, H226, H229, H304, H308 H311, H312, H313, H320, H322 H325, H325, H330, H334, H336 H338, H341, H342, H403, H408 H410, H411, H412, H416, H504 H502, H504, H506, H508, H508 H512, H513, H514,
AREA V H401, H405, H406, H410 H412, H414, H417, H418 H423, H426, H427, H429 H433, H435, H437, H701 H704, H705, H706, H710 H712, H713, H717, H721 H802, H803, H804, H812 H814, H816, H819, H821 H822, H824, H825, H900 H902, H904, H905, H907 H908, H910, H912, H913 H916, H922, H924, H926 H930, H932, H933, H936 H938, H940, H941, H944 H948, H955, H957, 5001 5008, 5004, 5010, 5014 5011, 5012, 5016 5019, 5020, 5023
LARGE SCALE PLAN SEE TYPICAL TYPE B SHT NO. 22
LARGE SCALE PLAN SEE TYPICAL TYPE B SHT NO. 22
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 23
ROOF
(1 STORY UNIT)
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
LINEN STOR
BATH
PATIO
LIVING-DINING
KITCHEN
SERVICE YARD
CANOPY (ABOVE)
BEDROOM
BATH
LAV
W - Maytag large
D - 11 autodry
Range Sunday in winter
Same workers
Same bypassed
3904 C
3904 B
GRAPHIC SCALE 1/8" = 1'-0"
ROOF FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
FAMILY HOUSING
SELECTIVE DATA FOR AIR EXCEPTIONS PROJECTS
SCHOFIELD BARRACKS OAHU, HAWAII
FIRST AND SECOND FLOOR PLANS TYPE I
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 3710
25 21 08
SHT. NO.
MAY 1973
79


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type 57 - VII
57 - VIII
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
BATH
BULK STOR
CANOPY
ROOF
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3914, 3916
AREA T
LARGE SCALE PLAN
SEE TYPICAL TYPE K SHT NO. 62
LARGE SCALE PLAN
SEE TYPICAL TYPE S
SHT NO. 63
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
LAUNDRY
SERVICE YARD
CANOPY

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3904

Building Type: 57-VIII

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all Day

No. of Occupants: 5

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: Every other day

Remarks: _____

2.0 ARCHITECTURAL

Construction

Same as S7 III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

3.0 HOT WATER SYSTEM Same as 57-111

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

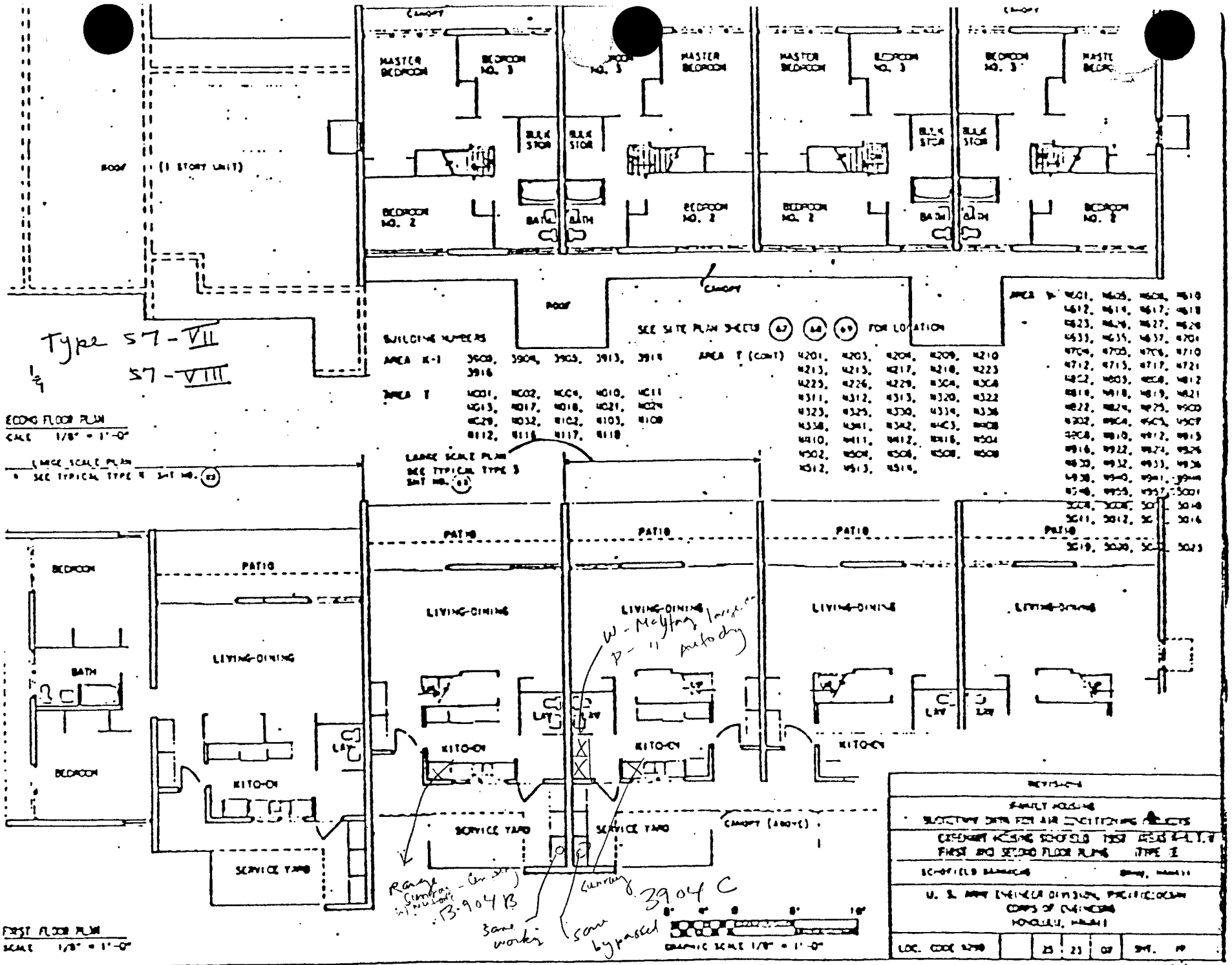
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

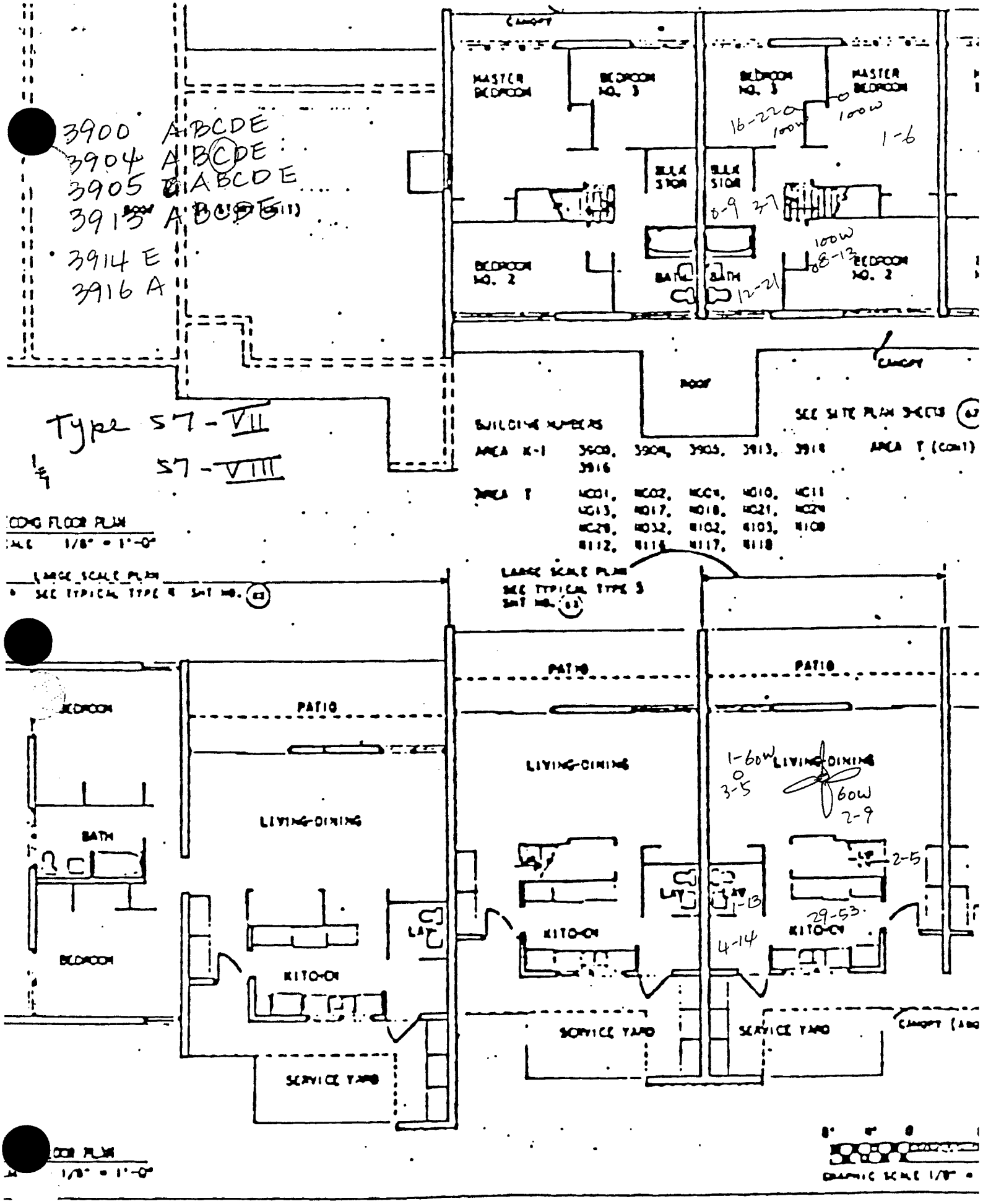
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	3l/105	110	No restrictn


Type 57 - VII
57 - VIII
(1 STORY UNIT)
MASTER BEDROOM
BEDROOM NO. 2
BEDROOM NO. 3
BULK STOR
BATH
CANOPY
ROOF
BUILDING NUMBERS
AREA K-1 3908, 3904, 3905, 3913, 3914, 3916
AREA T M001, M002, M004, M010, M011, M013, M017, M018, M021, M024, M029, M032, M102, M103, M108, M112, M116, M117, M118
AREA T (cont) M201, M203, M204, M209, M210, M213, M215, M217, M218, M223, M225, M226, M229, M304, M306, M311, M312, M313, M320, M322, M323, M325, M330, M334, M336, M338, M341, M342, M403, M408, M410, M411, M412, M416, M504, M502, M504, M506, M508, M509, M512, M513, M514,
SEE SITE PLAN SHEETS 67 68 69 FOR LOCATION
AREA P M401, M405, M406, M410, M412, M414, M417, M418, M423, M426, M427, M429, M433, M435, M437, M701, M704, M705, M706, M710, M712, M715, M717, M721, M802, M803, M808, M812, M818, M819, M821, M822, M824, M825, M900, M902, M904, M905, M907, M908, M910, M912, M913, M916, M922, M924, M926, M928, M932, M933, M936, M938, M940, M941, M944, M948, M955, M957, 5001, 5008, 5009, 5010, 5011, 5012, 5016, 5018, 5019, 5020, 5023
PATIO
LIVING-DINING
KITCHEN
BEDROOM
BATH
SERVICE YARD
CANOPY (ABOVE)
LARGE SCALE PLAN SEE TYPICAL TYPE T SHT NO. 62
LARGE SCALE PLAN SEE TYPICAL TYPE S SHT NO. 63
W - Mayfair largest
P - 11 autodry
Range similar to M104B
3904B
Same workers
Curtains
3904C
saw bypassed
GRAPHIC SCALE 1/8" = 1'-0"
EQUIV FLOOR PLAN
SCALE 1/8" = 1'-0"
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"
REVISIONS
FAMILY HOUSING
SELECTIVE DATA FOR AIR CONDITIONING PROJECTS
SCHOFIELD BARRACKS OAHU, HAWAII
FIRST AND SECOND FLOOR PLANS TYPE T
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS
HONOLULU, HAWAII
LOC. CODE 5700
25 23 02
SHT. NO.
MAY 1973
73


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type S7 - VII
S7 - VIII
MASTER BEDROOM
BEDROOM NO. 3
BEDROOM NO. 2
LINEN STOR
BATH
CANOPY
ROOF
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA T 4001, 4002, 4004, 4010, 4011, 4013, 4017, 4018, 4021, 4029, 4032, 4102, 4103, 4108, 4112, 4116, 4117, 4118
AREA T (cont)
SEE SITE PLAN SHEET
CODG FLOOR PLAN
SCALE 1/8" = 1'-0"
LARGE SCALE PLAN
SEE TYPICAL TYPE S SHT NO.
PATIO
LIVING-DINING
KITCHEN
BEDROOM
BATH
SERVICE YARD
1-60W
3-5
60W
2-9
16-22
100W
1-6
8-9
37
8-13
12-21
29-53
4-14
2-5
1-13
CANOPY
1/8" = 1'-0"
GRAPHIC SCALE 1/8"

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3904

Building Type: 57-VIII

Apartment: E

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 4

Average No. of Showers/Day: 8

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

Same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

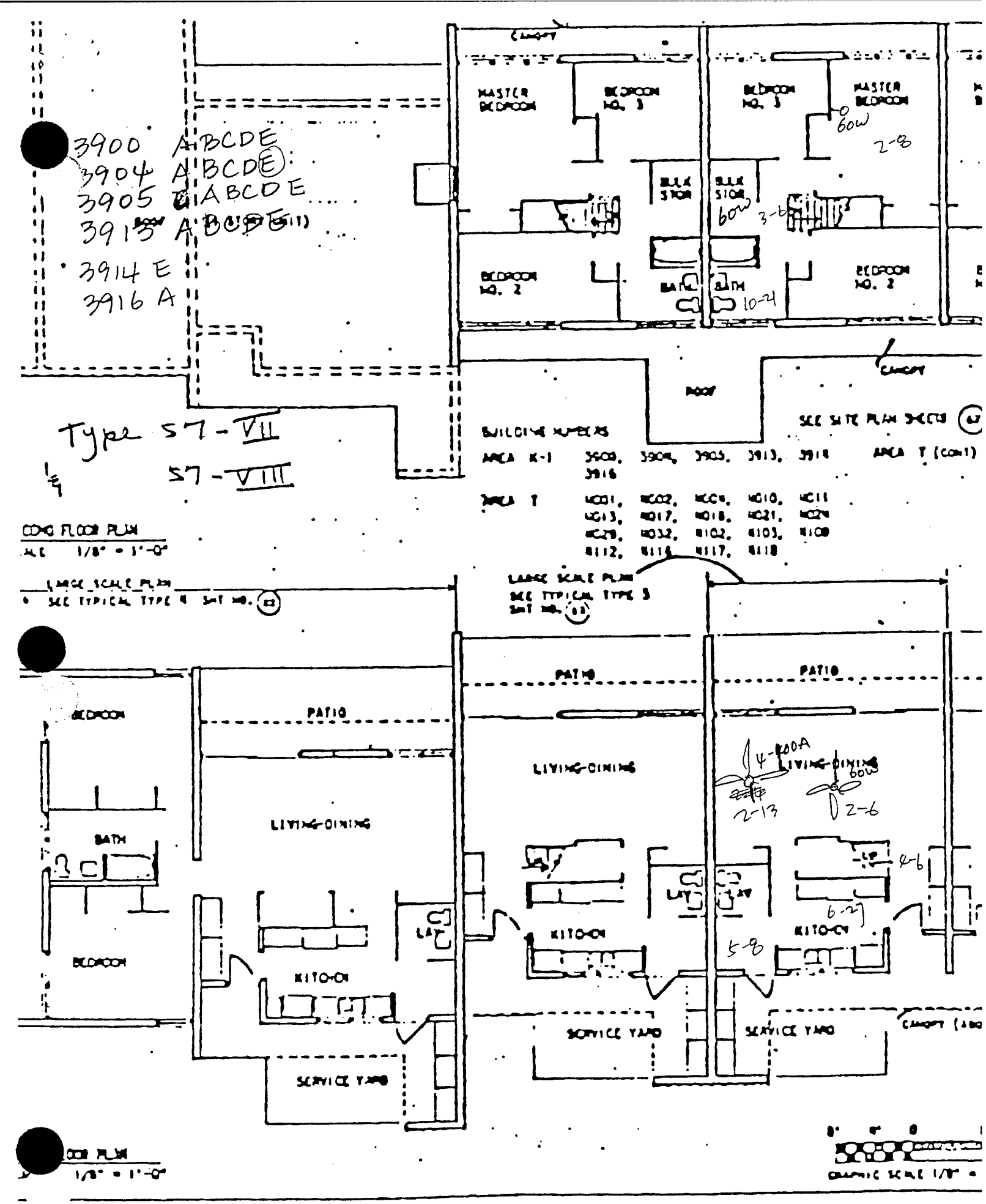
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	2.5 l/10s	124	
Shower	7 l/10s	122	


3900 A B C D E
3904 A B C D E
3905 A B C D E
3913 A B C D E
3914 E
3916 A
Type 57 - VII
57 - VIII
CANOPY
MASTER BEDROOM
BEDROOM NO. 3
BULK STOR
BEDROOM NO. 2
BATH
60W
2-8
3-6
10-24
ROOF
SEE SITE PLAN SHEET
BUILDING NUMBERS
AREA K-1 3900, 3904, 3905, 3913, 3916
AREA T (CONT)
AREA T H001, H002, H006, H010, H011, H013, H017, H018, H021, H024, H028, H032, H102, H103, H108, H112, H116, H117, H118
LARGE SCALE PLAN
SEE TYPICAL TYPE K SHT NO.
SEE TYPICAL TYPE S SHT NO.
PATIO
BEDROOM
LIVING-DINING
BATH
KITCHEN
LAV
SERVICE YARD
4-60A
2-13
2-6
6-27
5-8
1/8" = 1'-0"

UNIT TYPE 57-IX

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3908

Building Type: 57-1x

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

Same as S7-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

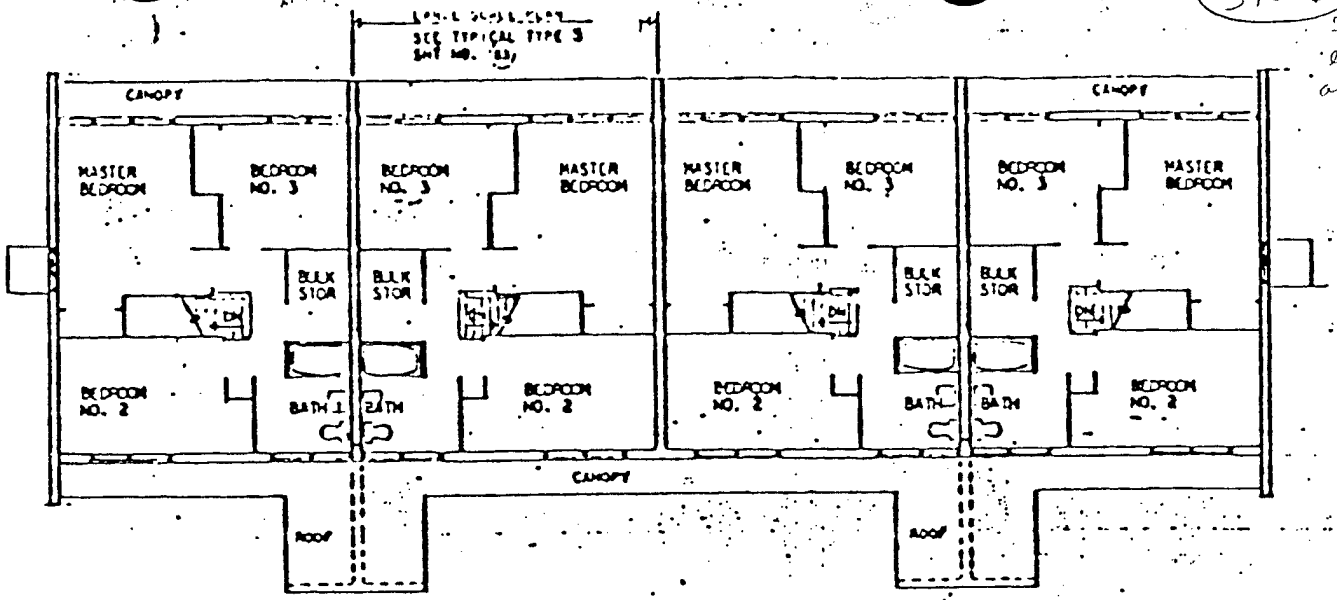
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

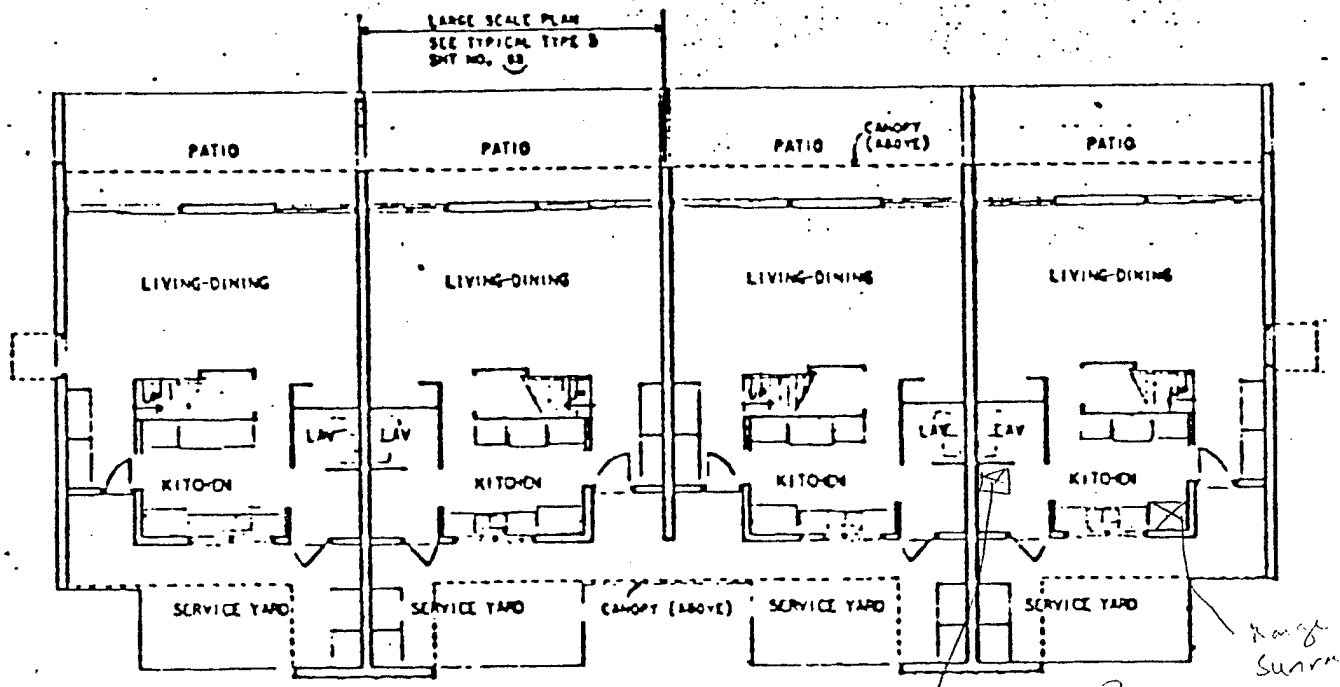
Fixture	Flow	Water Temp.	Remarks
Kit SK	1.2/10s	122	

3968D

Same except as noted.



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 57-IX

BUILDING NUMBERS

AREA K-1 3903, 3908, 3909, 3910

AREA T
W006, W008, W018, W016, W022
W026, W028, W100, W105, W108
W111, W118, W121, W205, W208
W220, W228, W232, W304, W005
W308, W316, W317, W318, W327
W331, W332, W400, W004, W407
W413, W507, W516

AREA M
W600, W602, W606, W618, W622
W625, W631, W700, W709, W800
W805, W807, W810, W811, W816
W913, W919, W925, W928, W929
W931, W942, W947, W948, W951
W952, W956, W958, 5002, 5026
5027

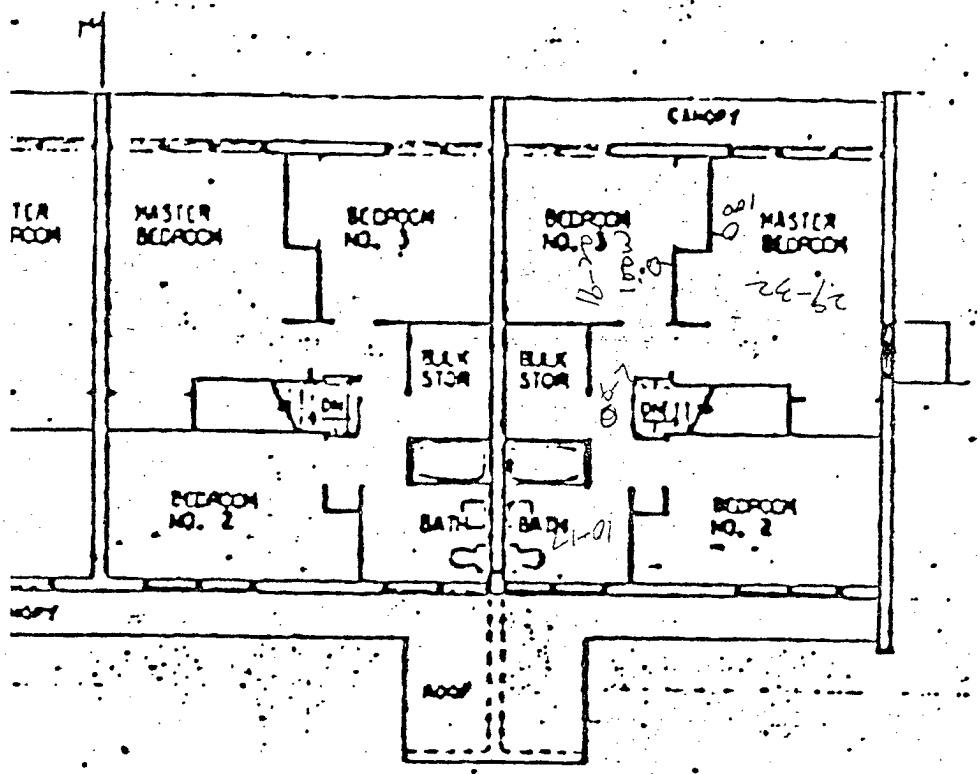
SEE SITE PLAN SHEET 67 68 69 FOR LOCATION

D - Norge

Large Summer C

8' 4' 0 8' 16'

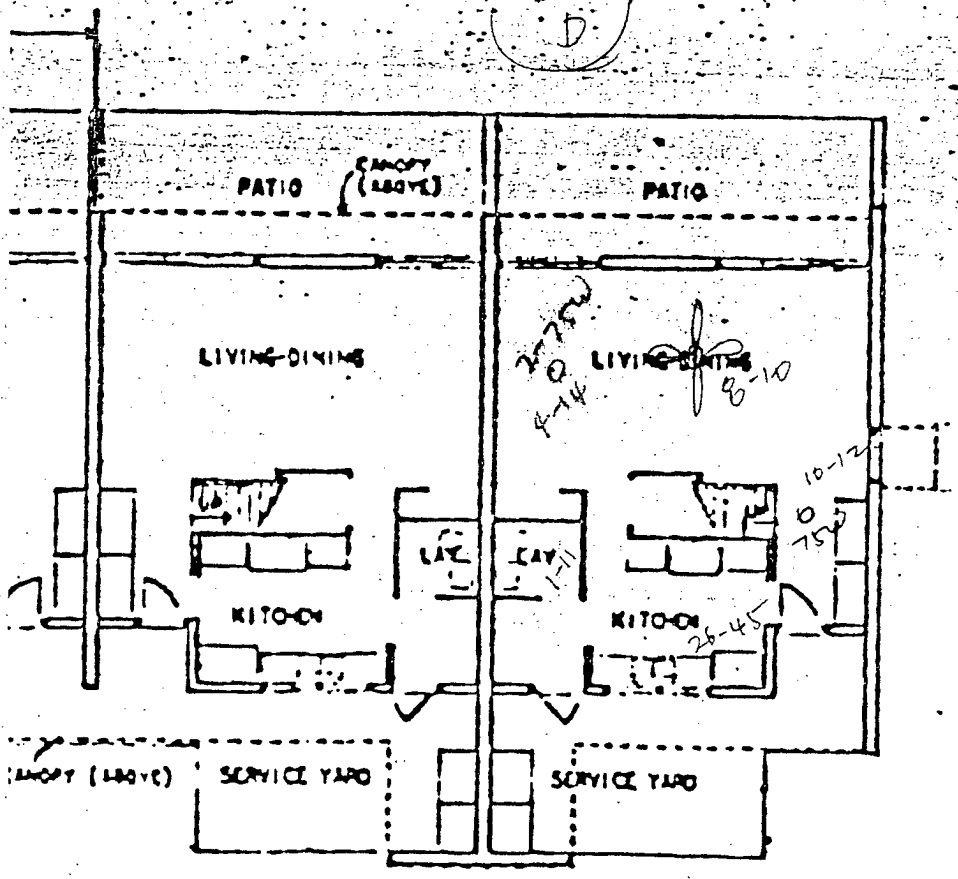
REVISIONS
FAMILY HOUSING SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREAS K-1, T & M FIRST AND SECOND FLOOR PLANS TYPE G
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII



TYPE 57-IX

3903, 3908, 3909, 3910

D



Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3909

Building Type: 57-1X

Apartment: C

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all day every other day

No. of Occupants: 4

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 3

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL

same as S1-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___ same as 57-III

Tinted ___

Reflective Coating ✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

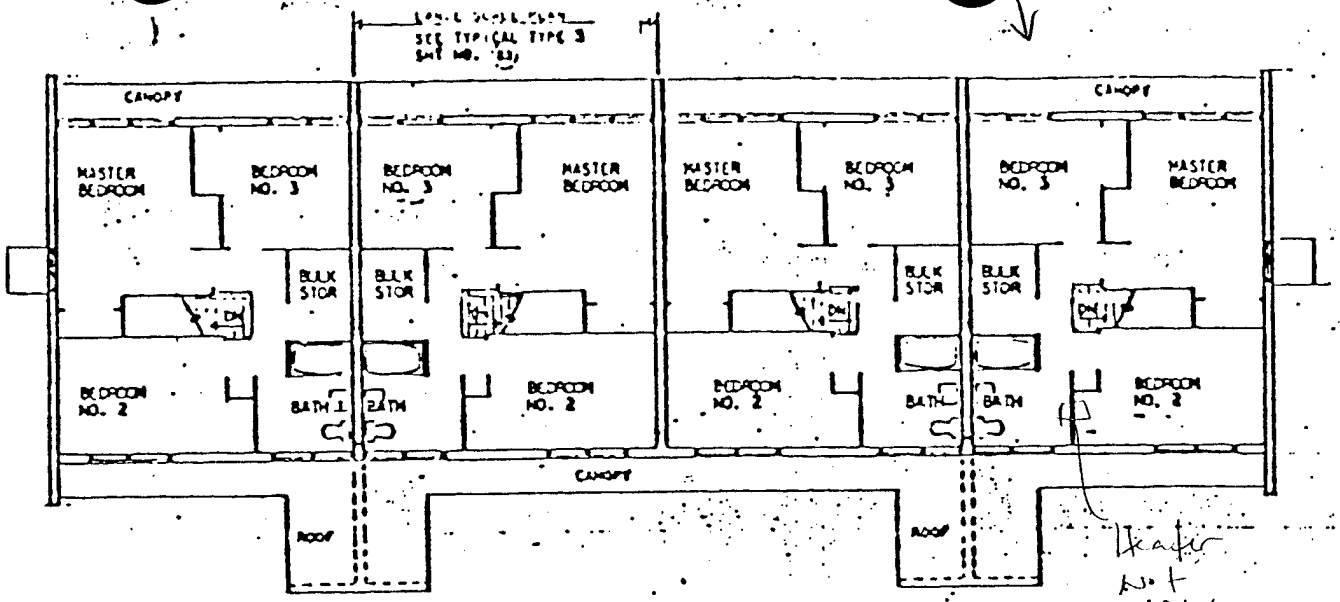
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

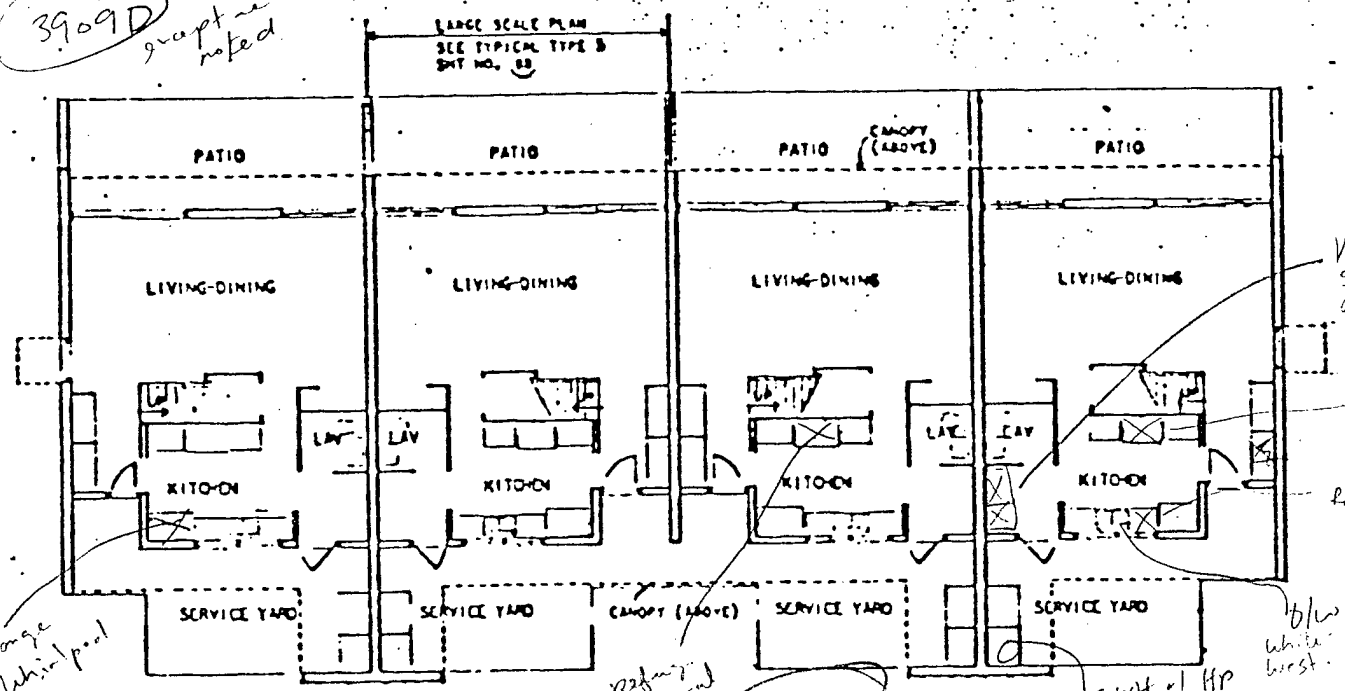
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT SK	1.5ℓ/10c	114	
Bathroom Shwr	5ℓ/10s	114	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

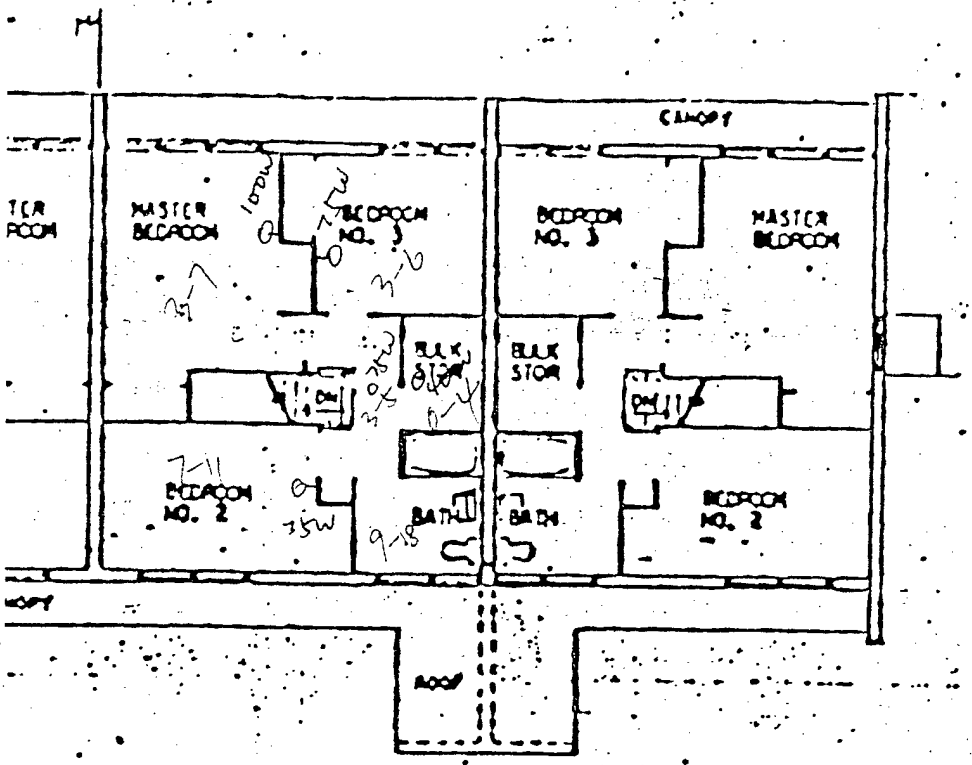
Type 57-IX

BUILDING NUMBERS

AREA K-1	3903,	3908,	3909,	3910	
AREA T	4006,	4008,	4016,	4016,	4022
	4026,	4028,	4100,	4105,	4108
	4111,	4118,	4121,	4205,	4208
	4220,	4228,	4232,	4304,	4005
	4308,	4316,	4317,	4318,	4327
	4331,	4332,	4400,	4004,	4407
	4413,	4507,	4516		
AREA W	4600,	4602,	4606,	4618,	4622
	4625,	4631,	4700,	4709,	4800,
	4805,	4807,	4810,	4811,	4816
	4913,	4319,	4925,	4928,	4929
	4931,	4942,	4947,	4948,	4951
	4952,	4956,	4958,	5002,	5026
	5027				

SEE SITE PLAN SHEET (67) (68) (69) FOR LOCATION

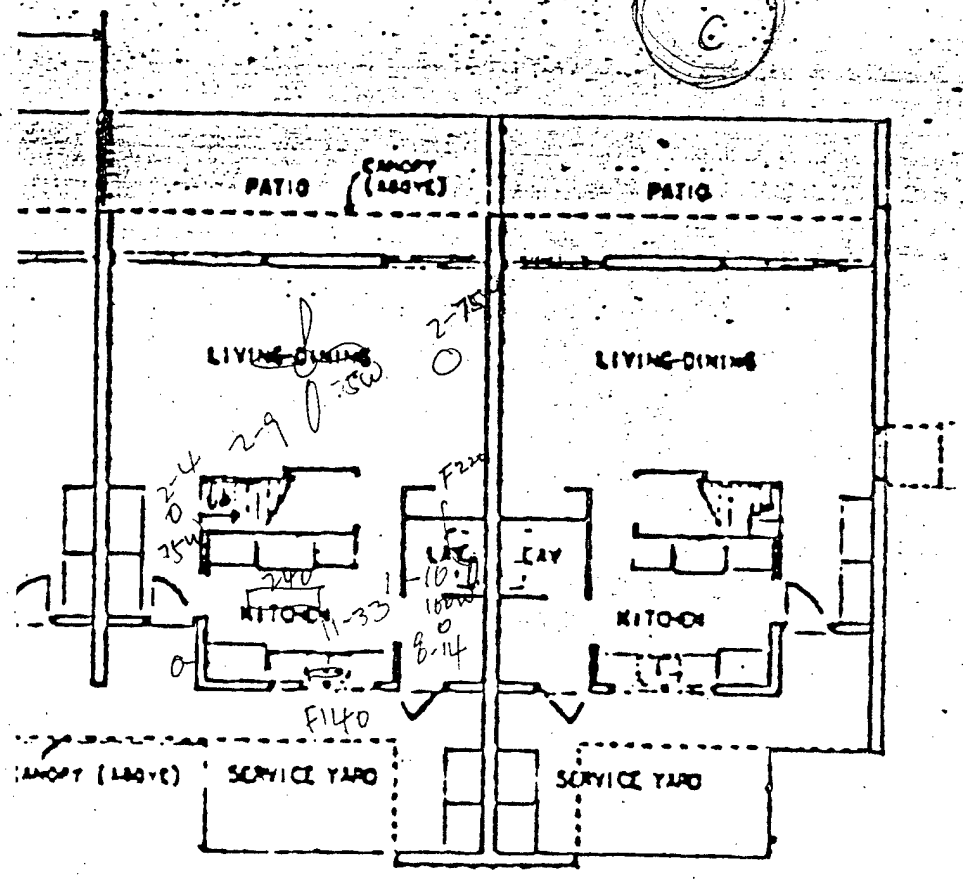
REVISIONS
FAMILY HOUSING SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CAFEHIRT HOUSING SCHOFIELD 1957 AREAS K-1, T, & W FIRST AND SECOND FLOOR PLANS TYPE 6
SCHOFIELD BARRACKS · OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII



TYPE 57-IX

3903, 3908, 3909, 3910

C



8' 4' 0 8' 16'

Date: 11/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3909

Building Type: 57-1X

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all Day

No. of Occupants: 5

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

Same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted _____

Reflective Coating _____

same as S7-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

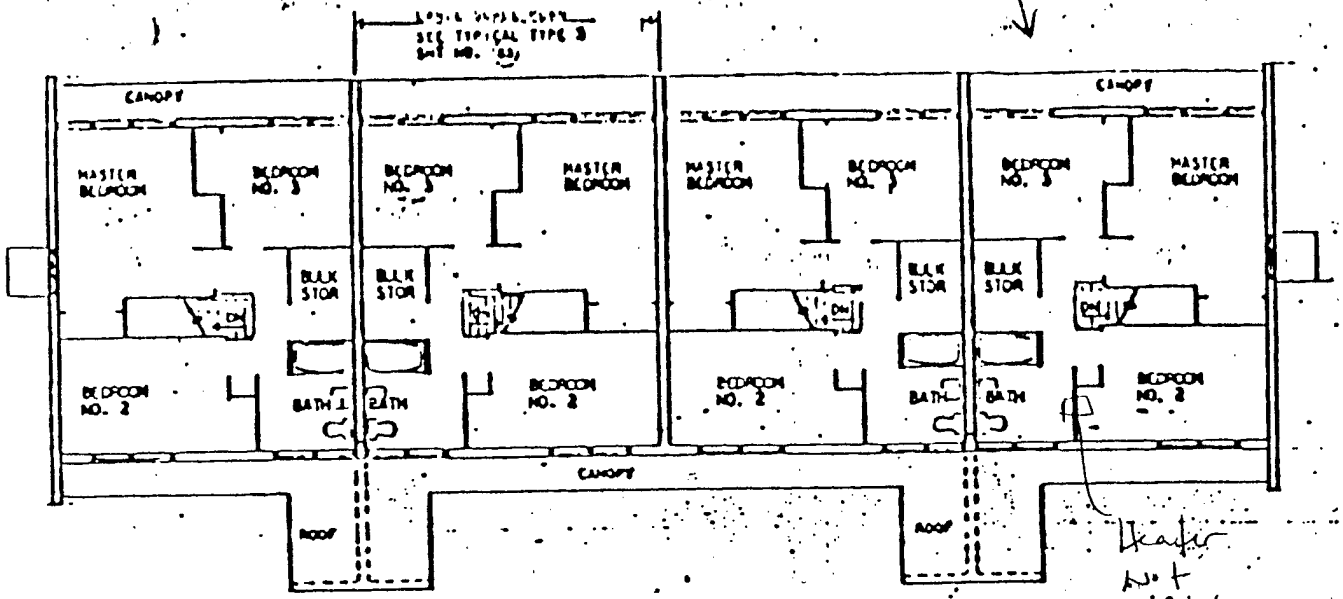
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	3ℓ/10s	96F	
Bathroom Shwr	2ℓ/10s	96F	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

Heater not working

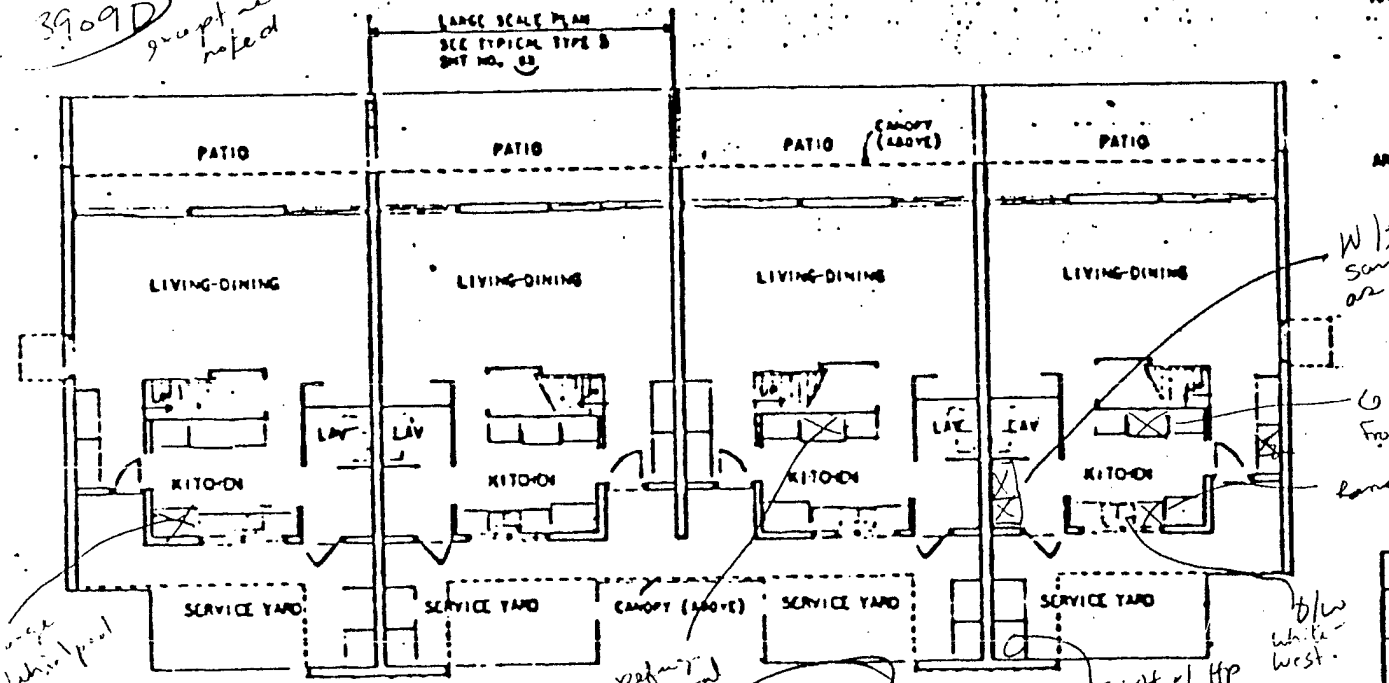
Type 57-IX

BUILDING NUMBERS

AREA K-1	3903, 3908, 3909, 3910
AREA T	8006, 8008, 8018, 8016, 8022, 8026, 8028, 8100, 8105, 8108, 8111, 8118, 8121, 8205, 8208, 8220, 8228, 8232, 8304, 8005, 8306, 8316, 8317, 8318, 8327, 8331, 8332, 8400, 8004, 8407, 8413, 8507, 8516
AREA W	4600, 4602, 4606, 4610, 4622, 4625, 4631, 4700, 4707, 4800, 4803, 4807, 4810, 4811, 4816, 4913, 4919, 4923, 4928, 4929, 4931, 4942, 4947, 4948, 4951, 4952, 4956, 4958, 5002, 5026, 5027

SEE SITE PLAN SHEET (67) (68) (69) FOR LOCATION

3909D prototype noted



W/D same as 57-II

Gibson Frost Clear

range whirlpool w/ rotisserie

Whirlpool

refrig. Admiral

3909C same except

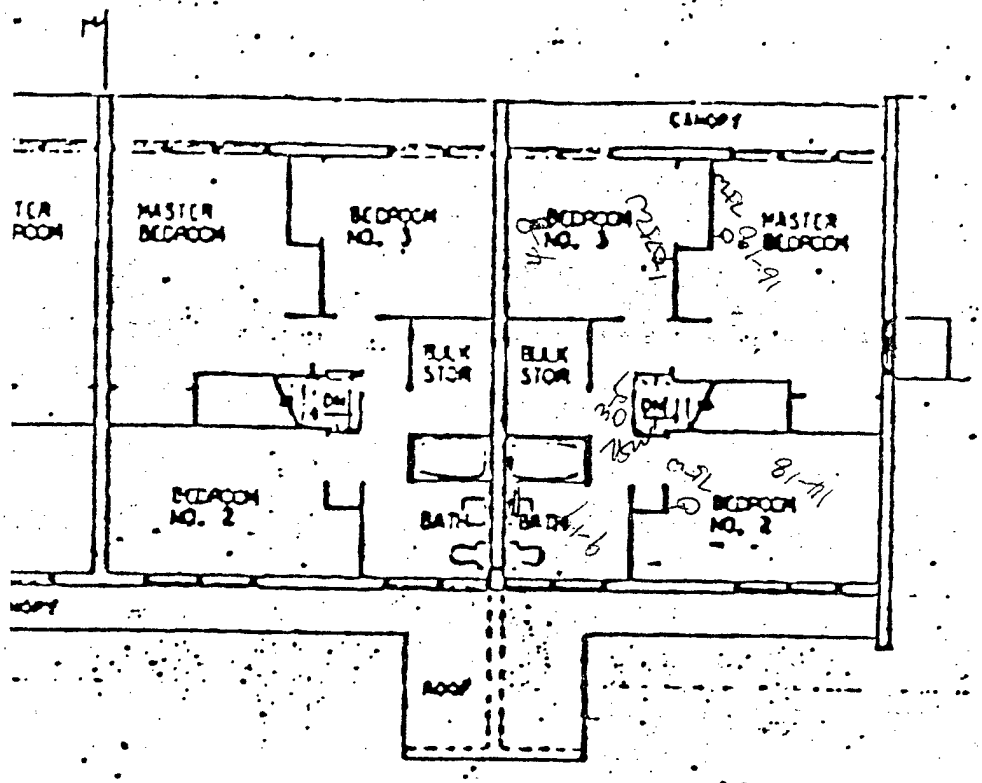
G/W white w/ gold

Ins. liner

FIRST FLOOR PLAN

8' 4' 0 8' 16'

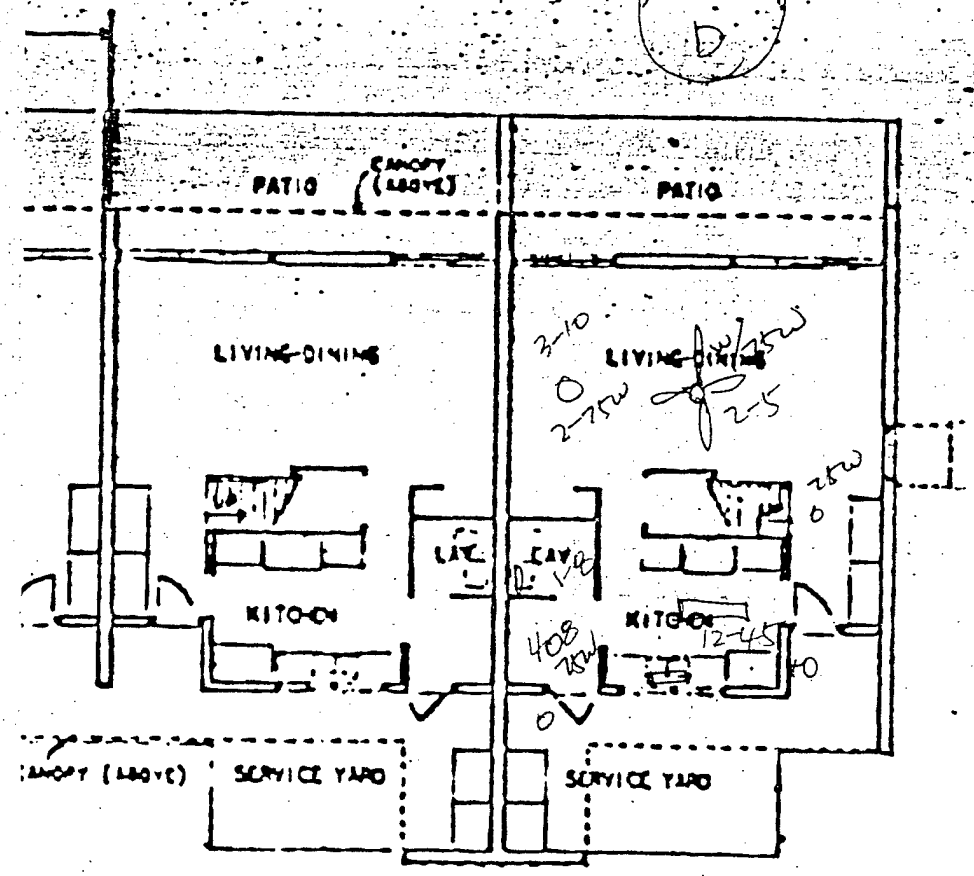
REVISIONS
FAMILY HOUSING SUPPLEMENTARY DATA FOR AIR CONDITIONING PROJECTS
CAFEHART HOUSING SCHOFIELD 1957 AREAS K-1, T & W FIRST AND SECOND FLOOR PLANS TYPE 6
SCHOFIELD BARRACKS . OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



TYPE 57-IX

3903, 3908, 3909, 3910

D



8' 4' 0 8' 16'

Date: 1/17/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3910

Building Type: 57 - 1X

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

same as S7-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ___

Reflective Coating ___

same as S7-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

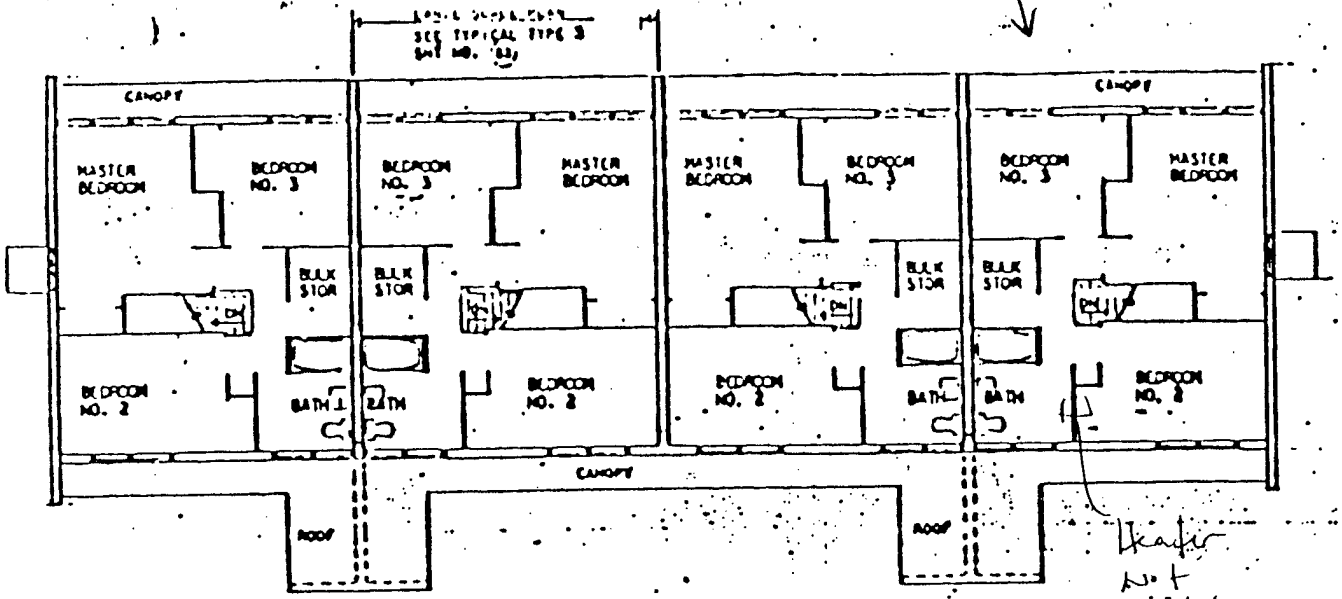
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Bathroom Shower	2l/10s	102	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

Heater not working

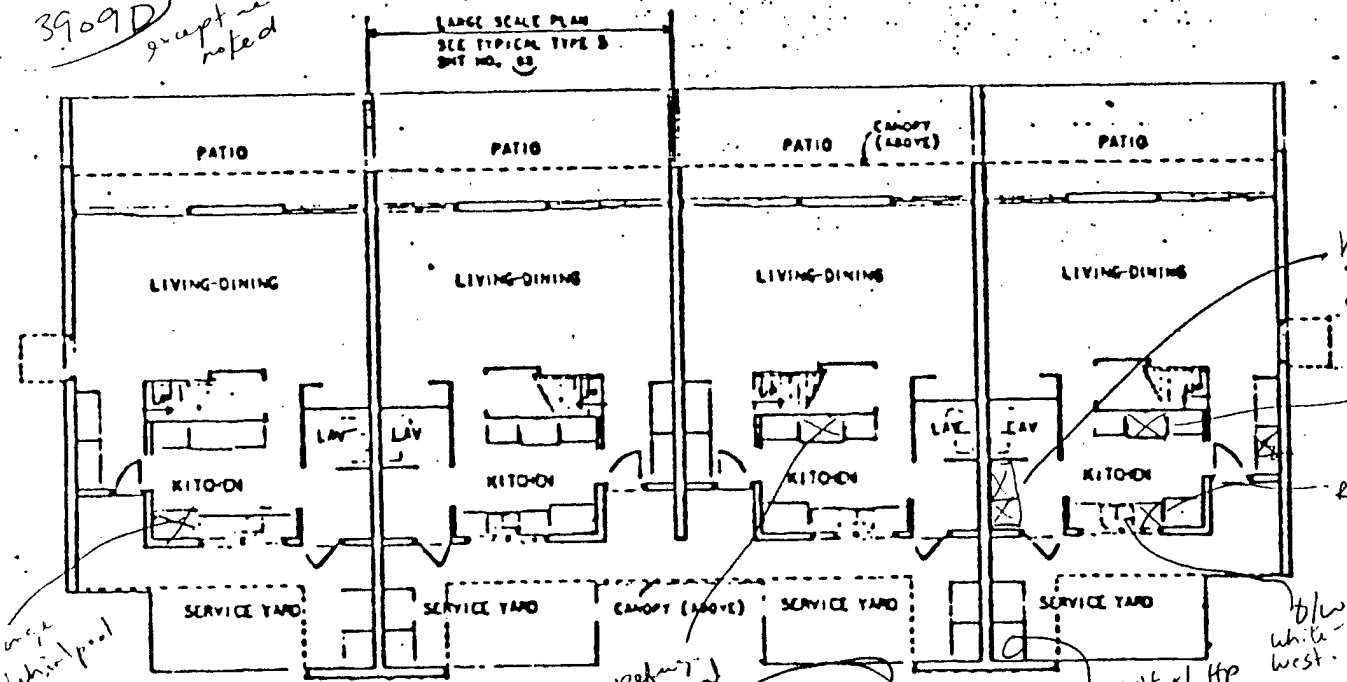
Type 57-IX

BUILDING NUMBERS

AREA K-1	3903,	3908,	3909,	3910	
AREA T	8006,	8008,	8018,	8016,	8022
	8026,	8028,	8100,	8105,	8108
	8111,	8118,	8121,	8205,	8208
	8220,	8228,	8232,	8304,	8005
	8308,	8316,	8317,	8318,	8327
	8331,	8332,	8400,	8009,	8407
	8413,	8507,	8516		
AREA M	4600,	4602,	4606,	4618,	4622
	4625,	4631,	4700,	4709,	4800,
	4805,	4807,	4810,	4811,	4816
	4913,	4919,	4925,	4928,	4929
	4931,	4942,	4947,	4948,	4951
	4952,	4956,	4958,	5002,	5026
	5027				

SEE SITE PLAN SHEET (67) (68) (69) FOR LOCATION

3909D graphics noted



W/D same as 57-IX

Gibson Frost Clear

Range Whirlpool w/ rotisserie

Piano Whirlpool

refrig. Admiral

3909C same except

c.w.h. w/ H.P. CC gas fired

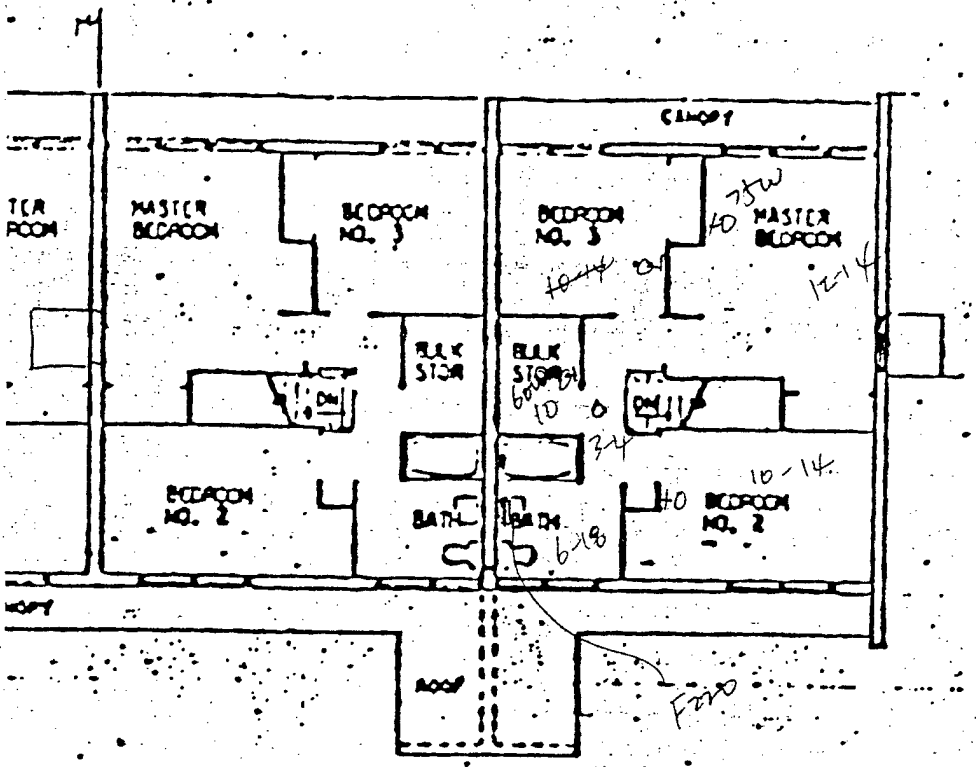
D/W White West.

Ins. liner

FIRST FLOOR PLAN

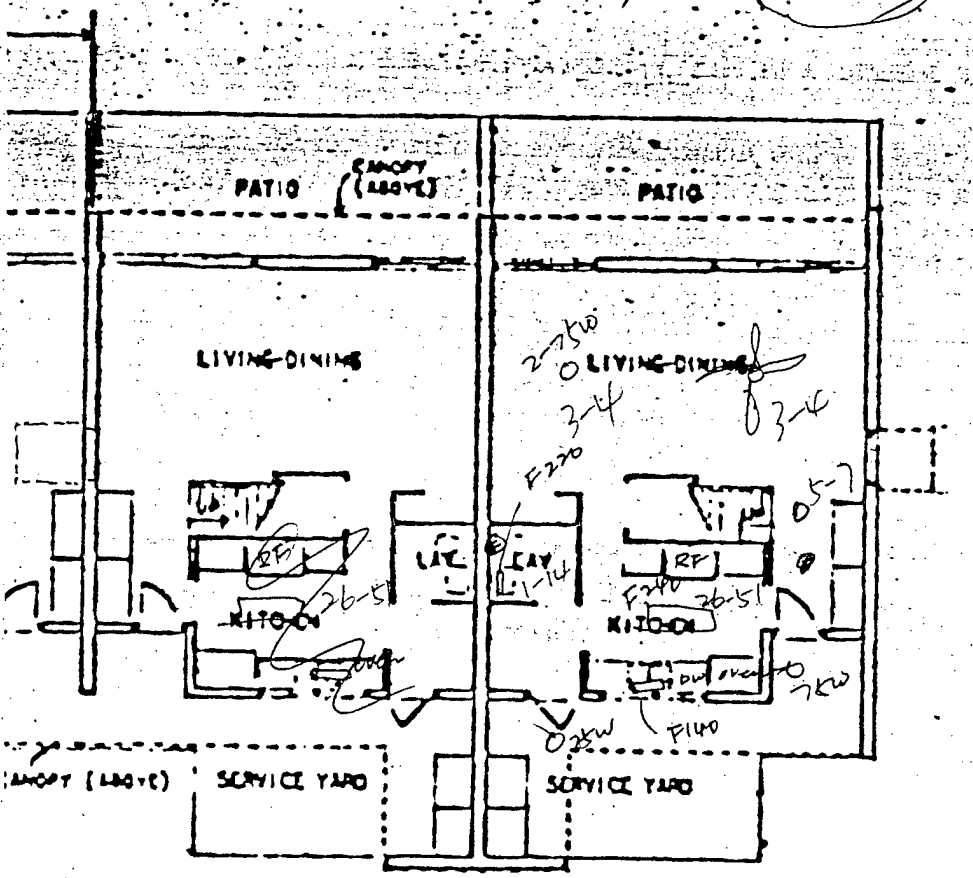
8' 4' 0 8' 16'

REVISIONS
FAMILY HOUSING SUGGESTED DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1957 AREAS K-1, T & M FIRST AND SECOND FLOOR PLANS TYPE 6
SCHOFIELD BARRACKS · OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS



TYPE 57-IX

3903, 3908, 3909, 3910 D



UNIT TYPE 60-I

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3917

Building Type: 60 - I

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: 3

Remarks: _____

2.0 ARCHITECTURAL

Same as SA-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ____ No ____

Tinted ✓

Reflective Coating ✓

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

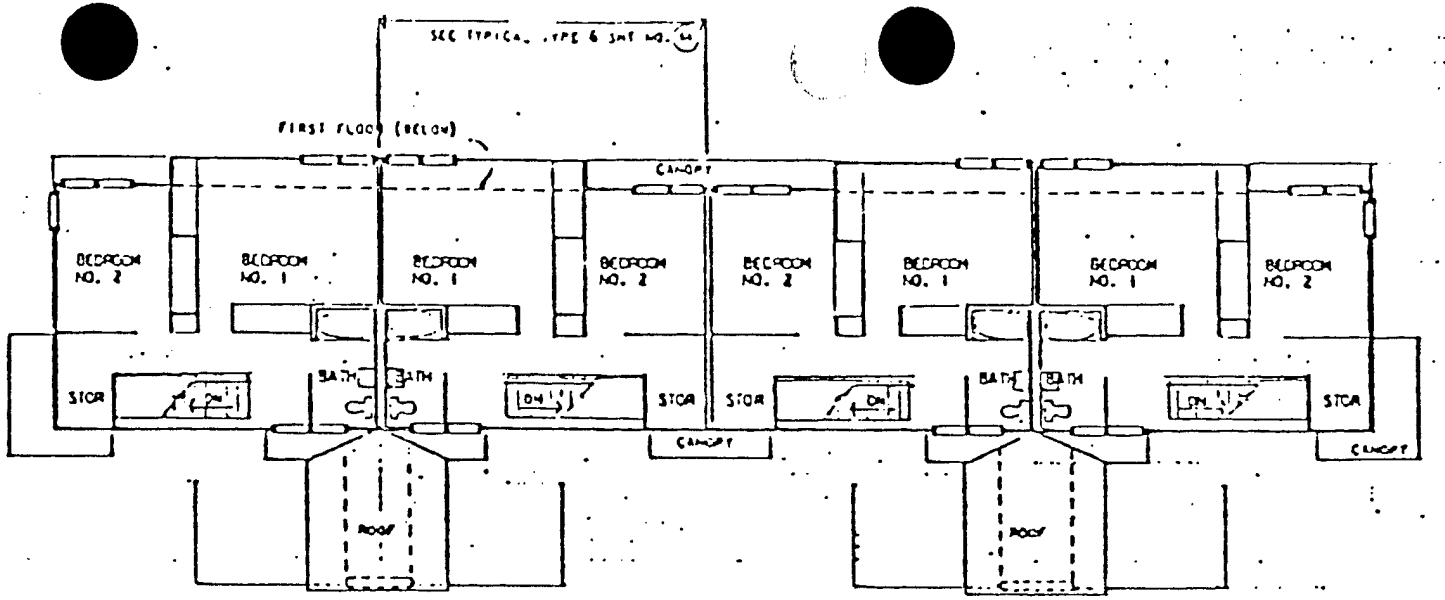
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

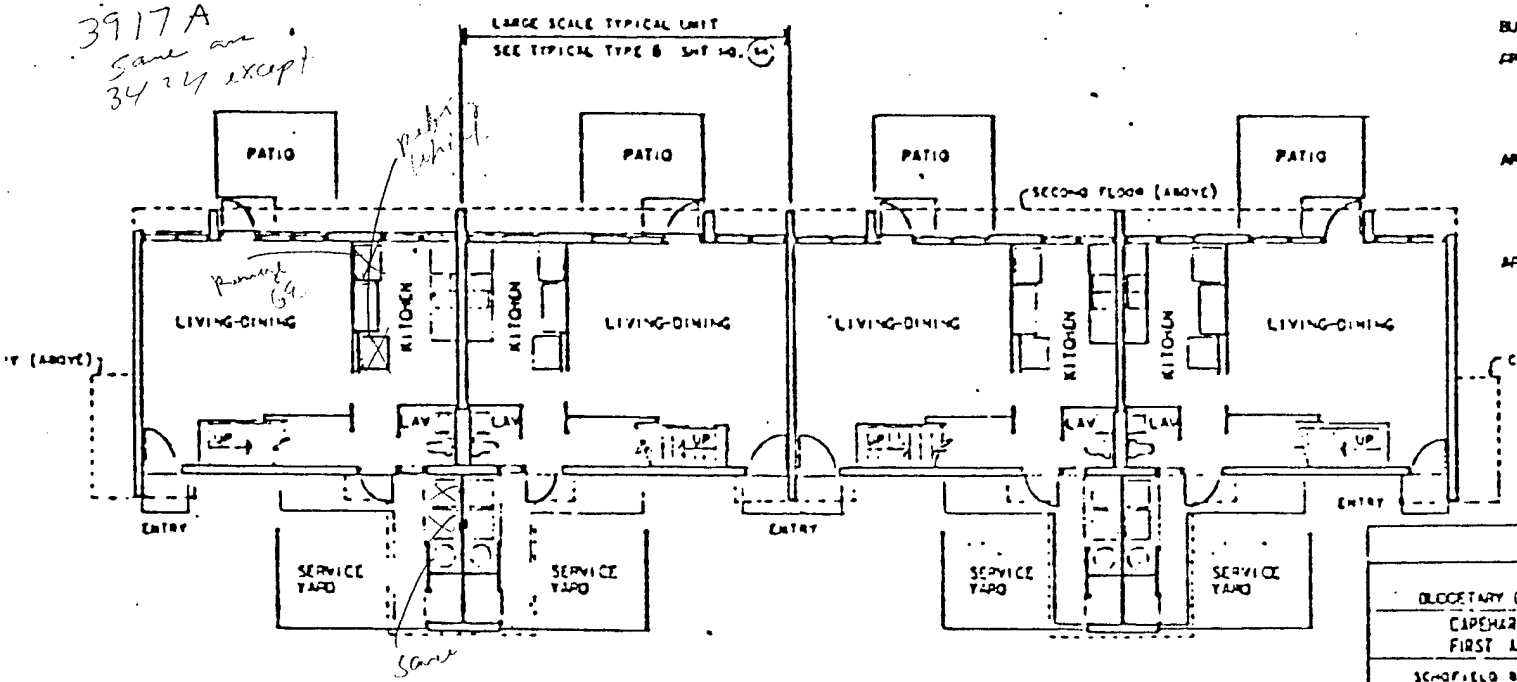
Fixture	Flow	Water Temp.	Remarks
DN STAIRS LAV.	1ℓ/10s	114	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 60-I

3917A
Same as
3924 except



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

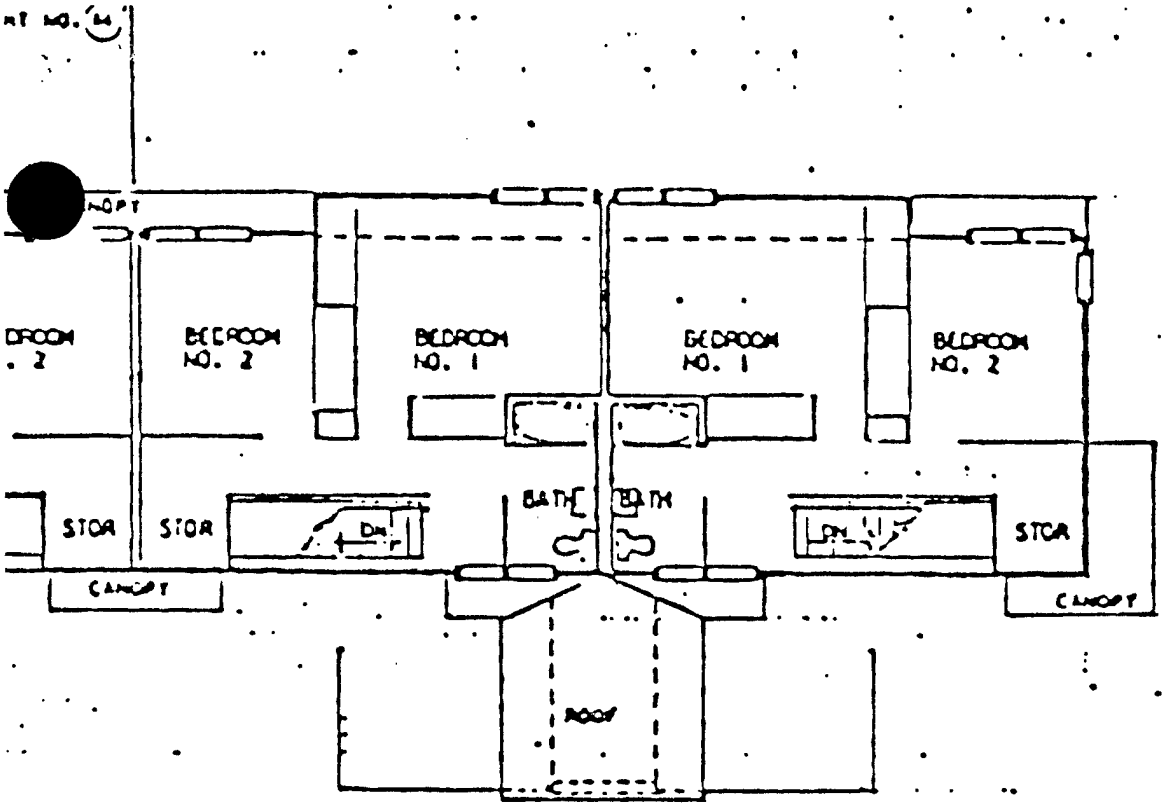
AREA K-1 3917, 3929, 3934, 3935, 3941.
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA V 1301, 1310, 1323, 1335, 1343, 1347, 1350
SEE SITE PLAN SHEET 69 FOR LOCATION

AREA T 8252
SEE SITE PLAN SHEET 68 FOR LOCATION

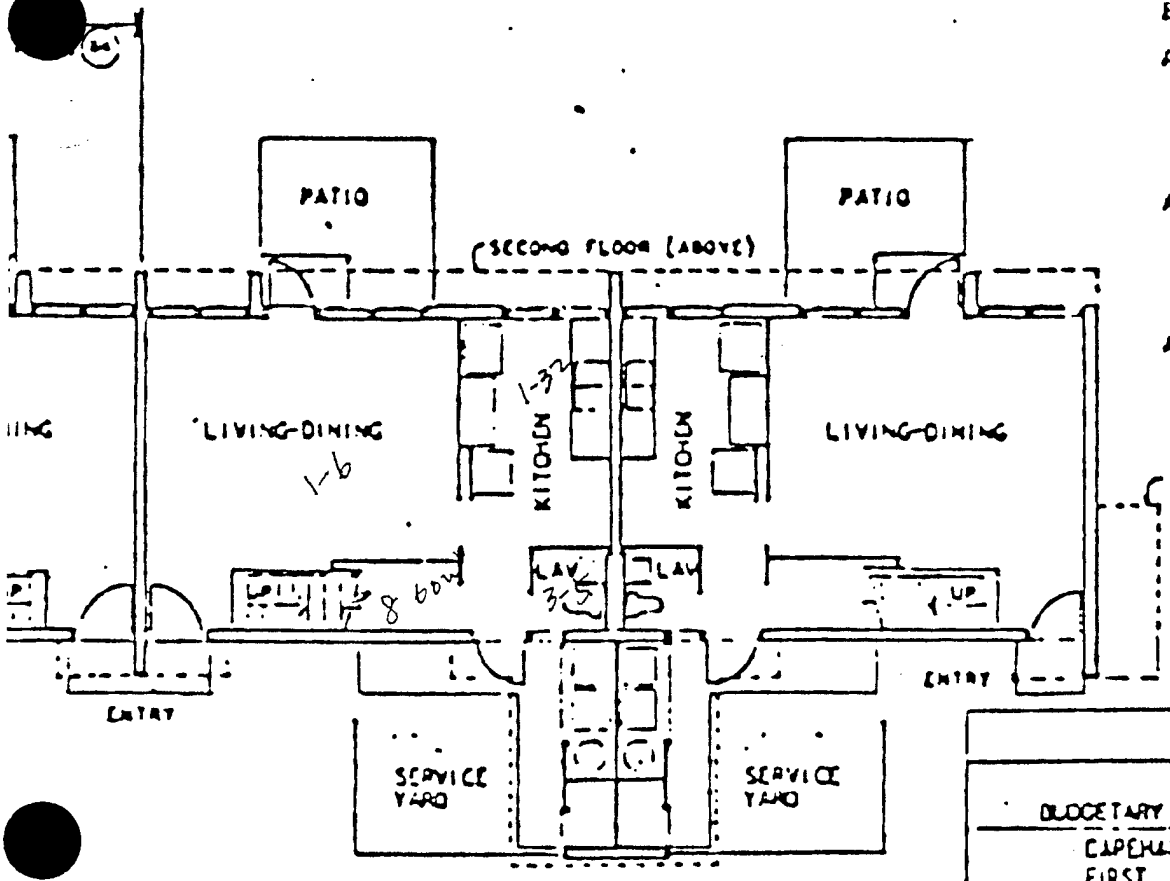
REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1963 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE H					
SCHOFIELD BARRACKS				OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 3299		25	23	07	SHT. 21

MAY 1963



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I



BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.

SEE SITE PLAN SHEET (4) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350

SEE SITE PLAN SHEET (4) LOCATION

AREA T 1252

SEE SITE PLAN SHEET (4) LOCATION

8' 4' 0 8' 16'

REVISIONS	
FAMILY HOUSING DUCTARY DATA FOR AIR CONDITIONING	
CAPEHART HOUSING SCHOFIELD 1963 AREAS FIRST AND SECOND FLOOR PLANS	TYPE
SCHOFIELD BARRACKS	DRWG.
U. S. ARMY ENGINEER DIVISION, PACIFIC O CORPS OF ENGINEERS HONOLULU, HAWAII	

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3917 D

Building Type: 60 - I

Apartment: D

No. Bedrooms: 2

Area: 1

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

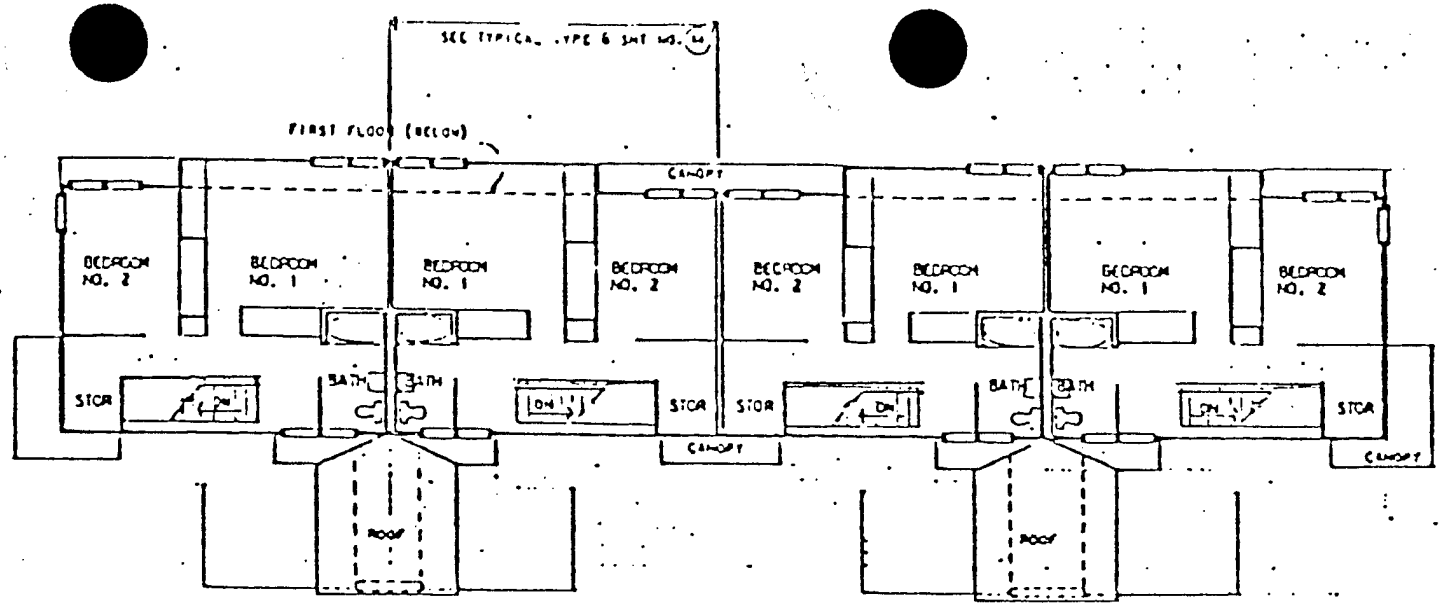
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

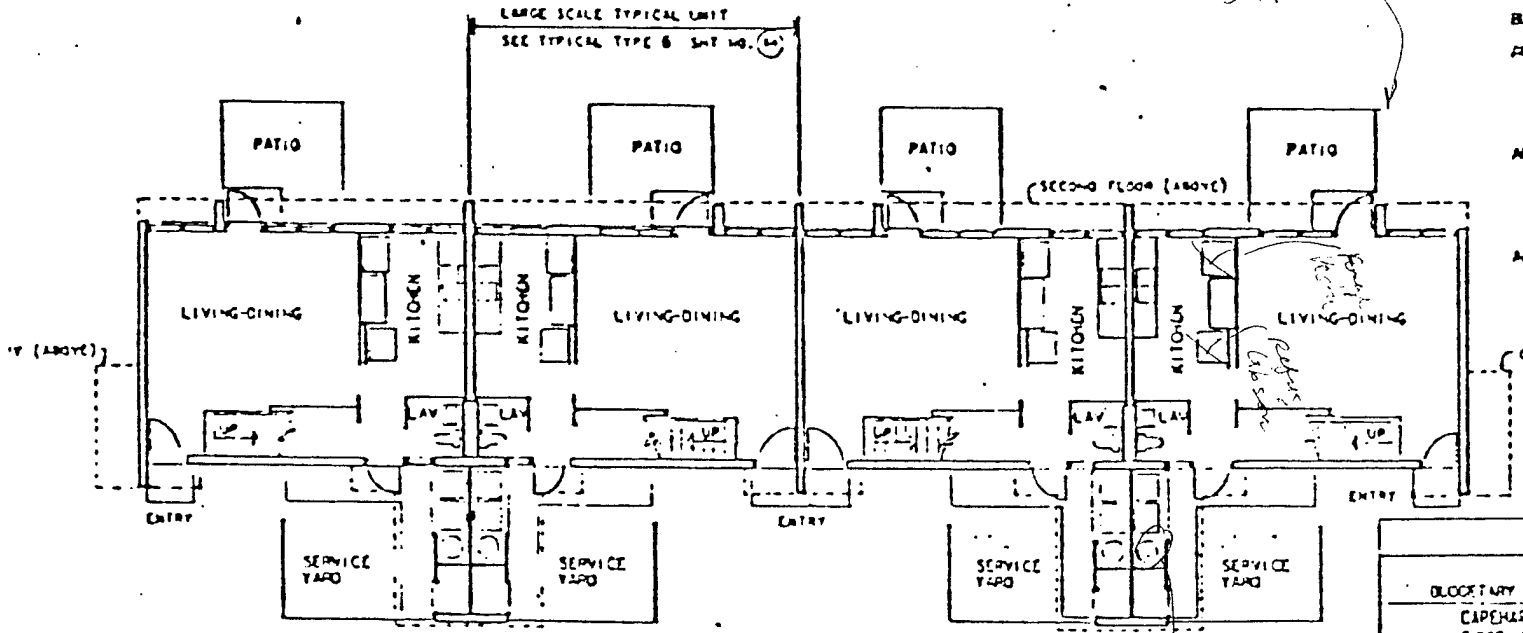
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5l/105	118	
Bath Shwr	1l/105	118	SuperSaver Shwr Head by Teledyne



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

Type 60-I

3917D

BUILDING NUMBERS

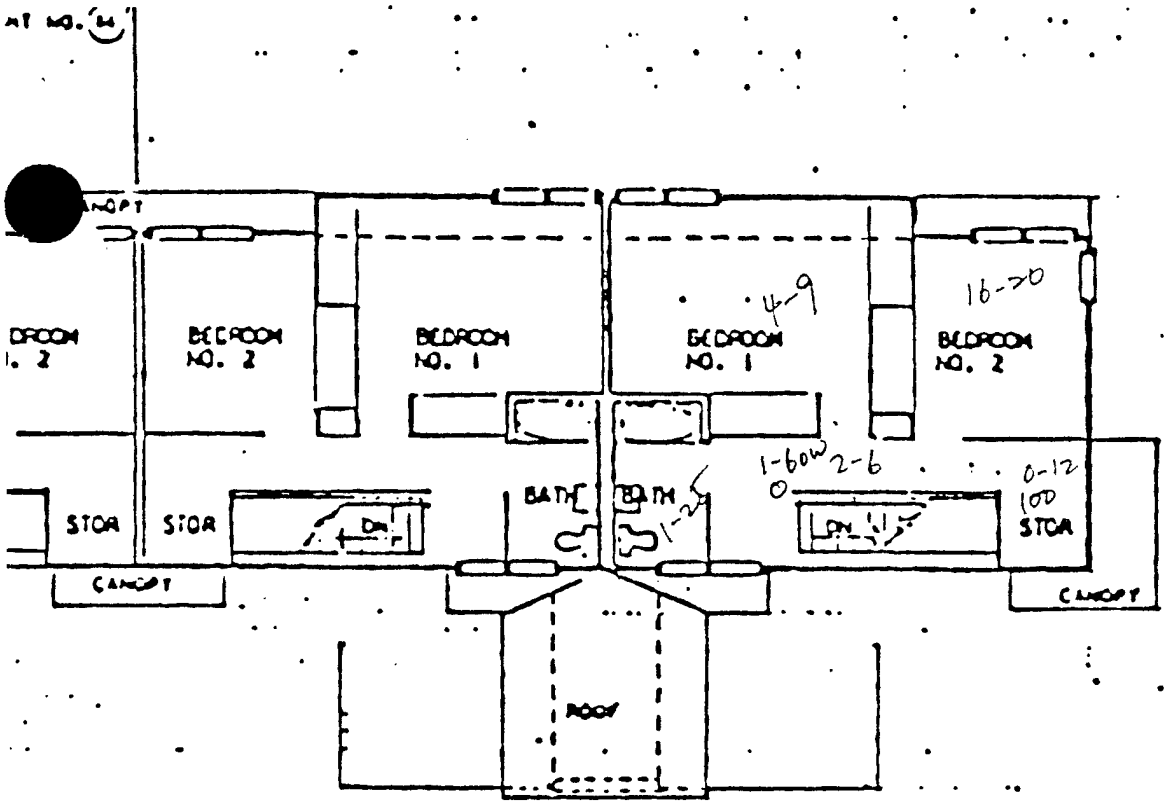
AREA K-1 3917, 3929, 3934, 3935 3941.
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA V 1301, 1310, 1323, 1333 1343, 1347, 1350
SEE SITE PLAN SHEET 69 FOR LOCATION

AREA T 8252
SEE SITE PLAN SHEET 68 FOR LOCATION

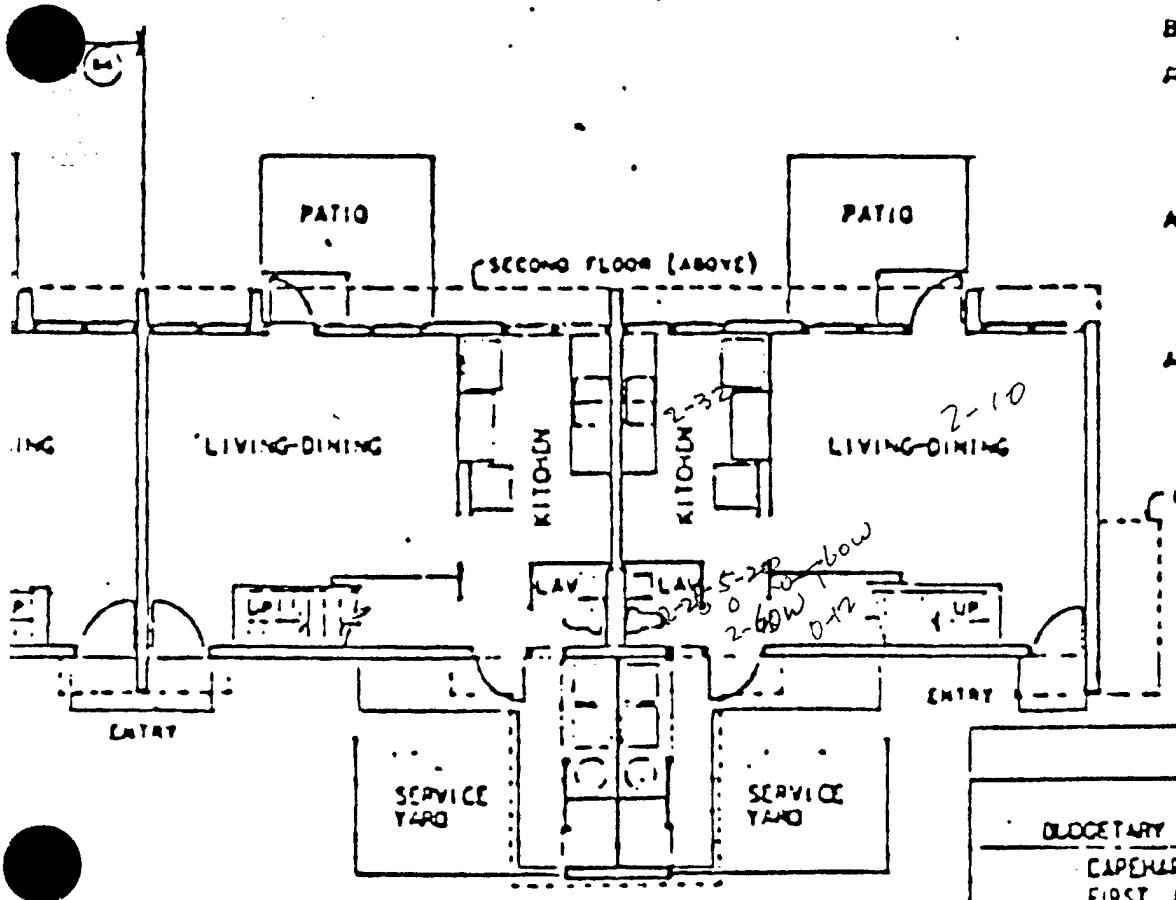
REVISIONS					
FAMILY HOUSING BLOCKTARY DATA FOR AIR CONDITIONING PROJECTS					
CARPENTER HOUSING SCHOFIELD 1963 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE H					
SCHOFIELD BARRACKS				OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8299		25	23	07	SHT. 31

MAY 1973



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I



BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.
SEE SITE PLAN SHEET (4) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350
SEE SITE PLAN SHEET (4) LOCATION

AREA T 4252
SEE SITE PLAN SHEET (4) LOCATION

8' 4' 0 8' 16'

REVISIONS
FAMILY HOUSING DUCTWORK DATA FOR AIR CONDITIONING
CARPENTER HOUSING SCHOFIELD 1963 AREA FIRST AND SECOND FLOOR PLANS TYPE
SCHOFIELD BARRACKS OAHU, H
U. S. ARMY ENGINEER DIVISION, PACIFIC O CORPS OF ENGINEERS HONOLULU, HAWAII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3924

Building Type: 60-I

Apartment: A

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 4

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 12

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Same as S7-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc. (down)		
Wood (up)		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood Roof		
Asphalt shingles		
Corrug. Conc		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM

Same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

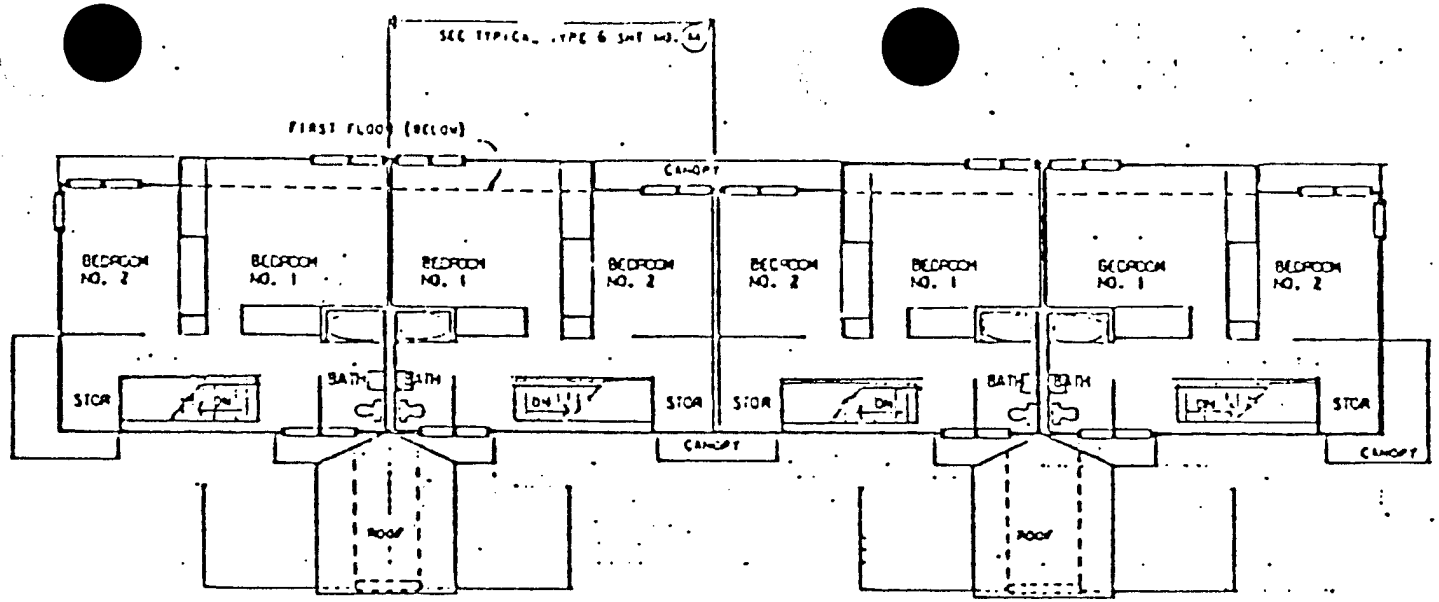
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit SK	1.5ℓ/10s	130F	
Bath Shwr	2ℓ/10s	130	

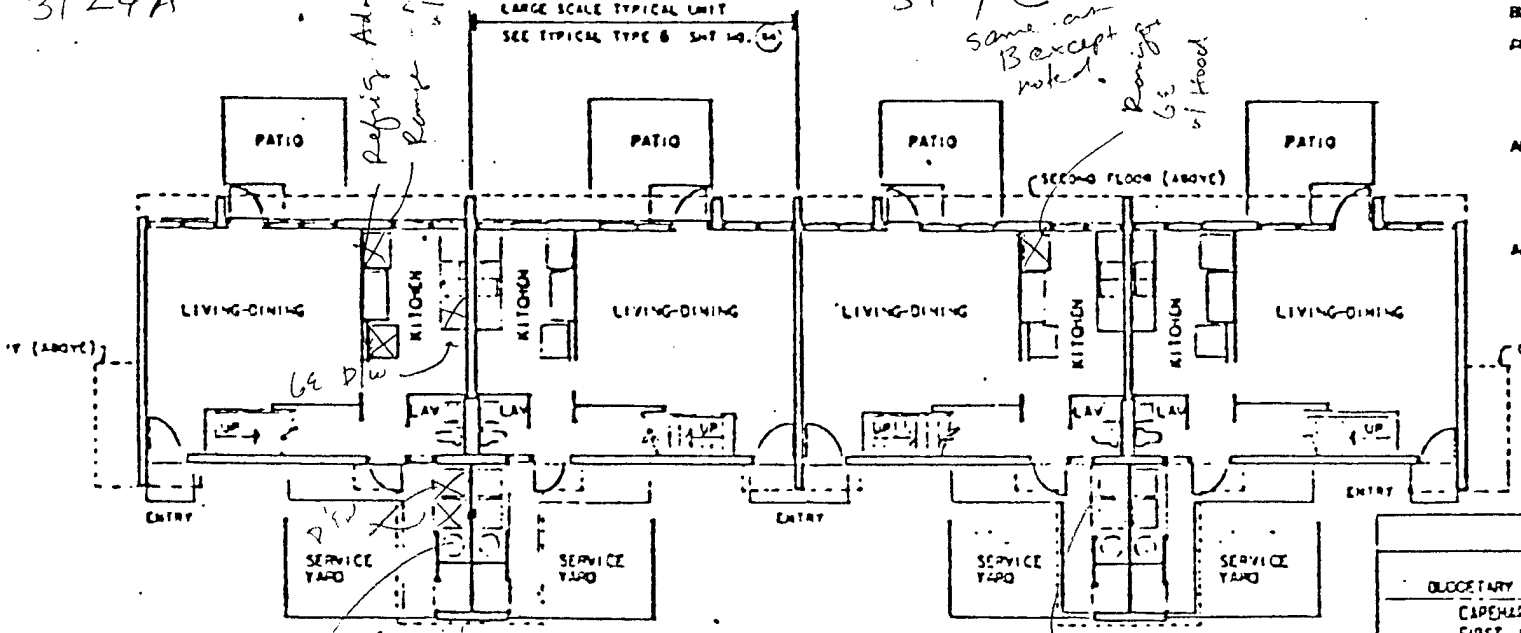


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3924A

Relocate Admiral Remote w/ Trade wind Hood

3924C same as B except note 1. Remote 63" w/ Hood



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8" 4" 0 8" 16"
GRAPHIC SCALE 1/8" = 1'-0"

Type 60-I

BUILDING NUMBERS

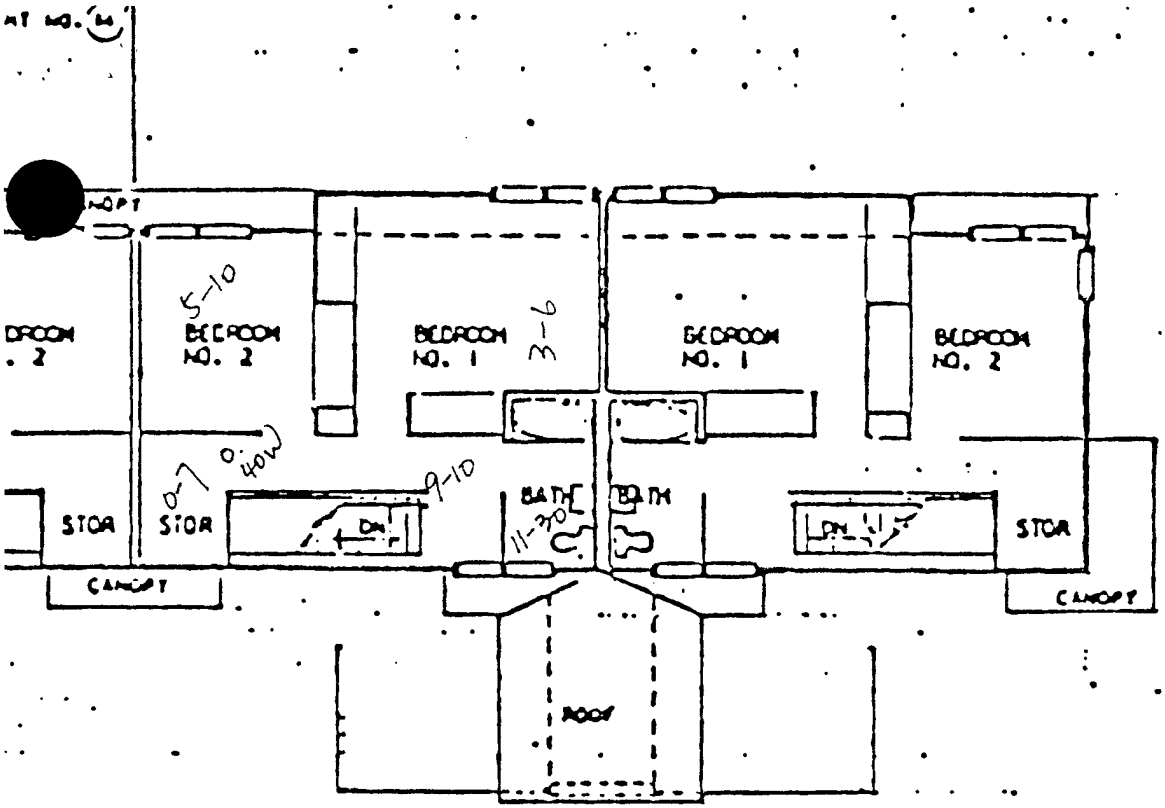
AREA K-1 3917, 3924, 3934, 3935, 3941.
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA V 1301, 1310, 1323, 1333, 1343, 1347, 1350
SEE SITE PLAN SHEET 69 FOR LOCATION

AREA T 4252
SEE SITE PLAN SHEET 68 FOR LOCATION

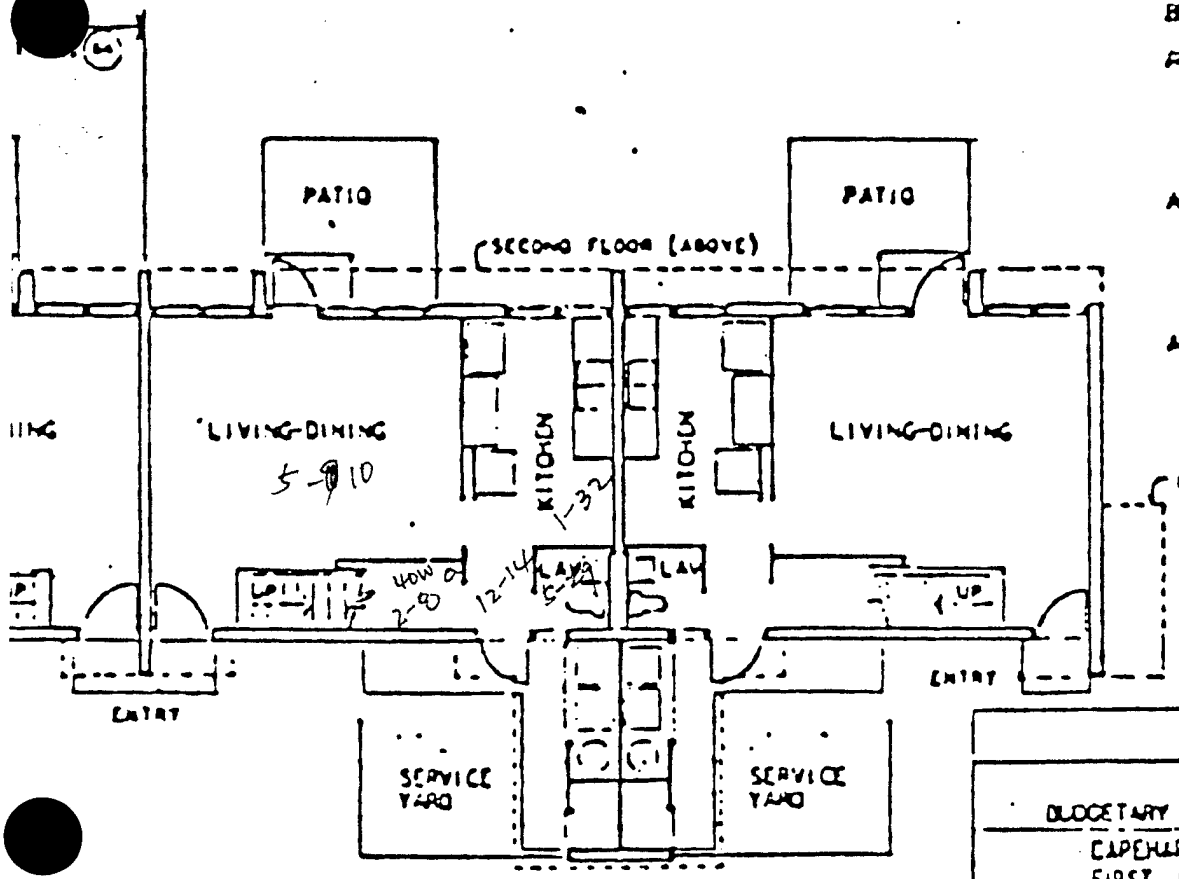
REVISIONS					
FAMILY HOUSING DIGESTARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1963 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE H					
SCHOFIELD BARRACKS				OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 3299		25	23	07	SHT. 21

MAY 1973



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I

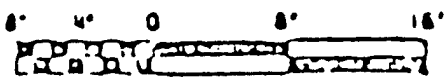


BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.
SEE SITE PLAN SHEET (6) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350
SEE SITE PLAN SHEET (6) LOCATION

AREA T 4252
SEE SITE PLAN SHEET (6) LOCATION



REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING
CAPEHART HOUSING SCHOFIELD 1963 AREAS FIRST AND SECOND FLOOR PLANS TYPE
SCHOFIELD BARRACKS OAHU, H
U. S. ARMY ENGINEER DIVISION, PACIFIC O CORPS OF ENGINEERS HONOLULU, HAWAII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3924

Building Type: 60-I

Apartment: C

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 2

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1X per week

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	
U-Factor _____	Area	

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		
	Total	
U-Factor _____	Area	

Window Yes ✓ No

Tinted ✓

Reflective Coating

Same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

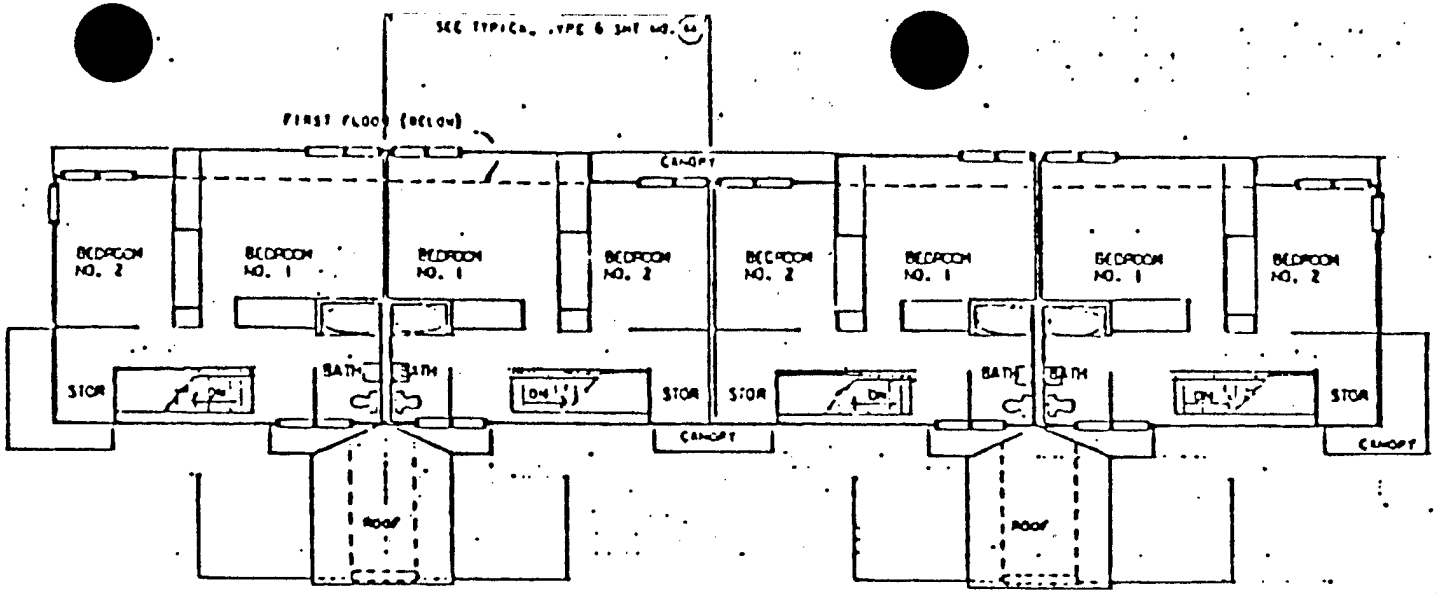
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT SK	2½/05	102	



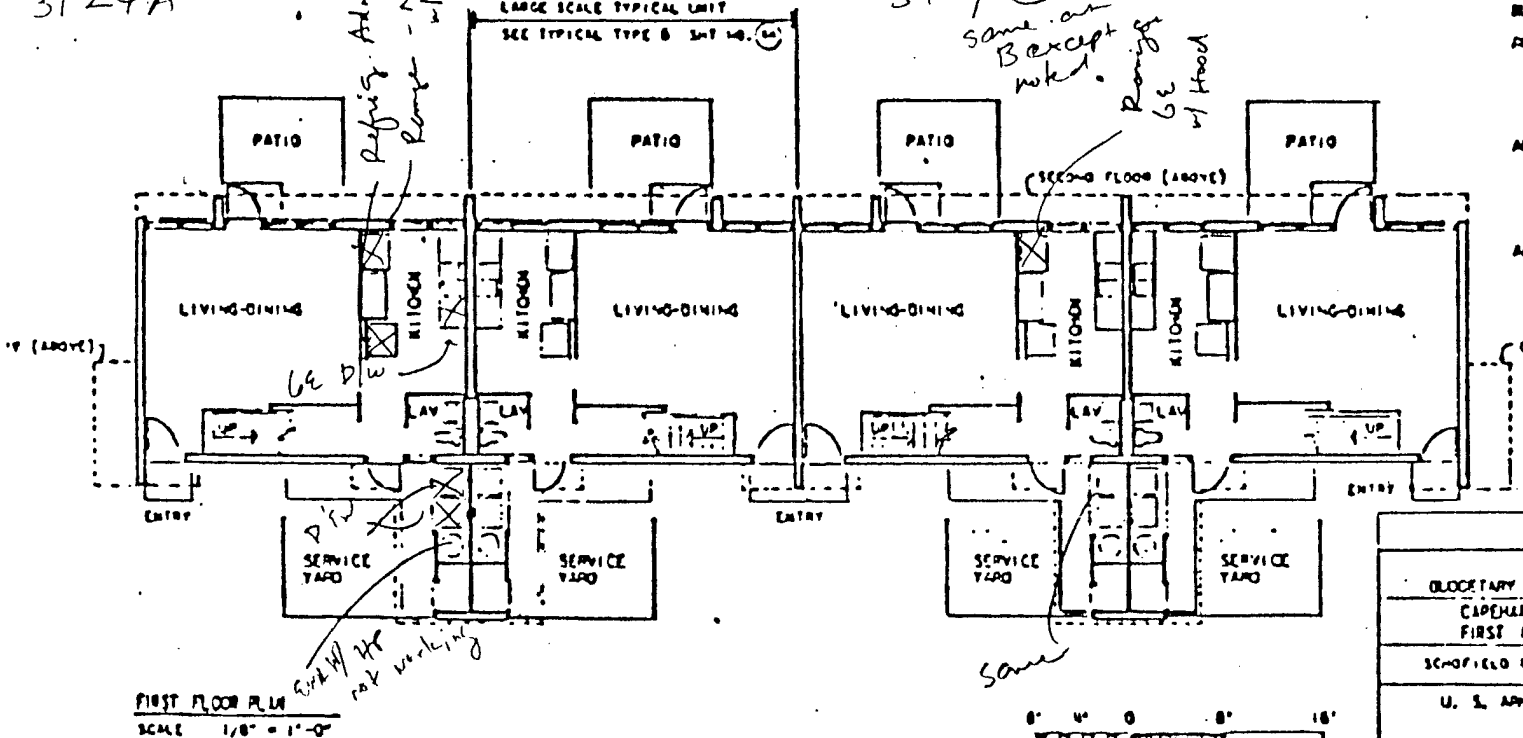
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3924A

Relocate Admiral Range - Provide w/ Trash Vent Hood

3924C same as Except note. Range GE w/ Hood

Type 60-I



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

0' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

BUILDING NUMBERS

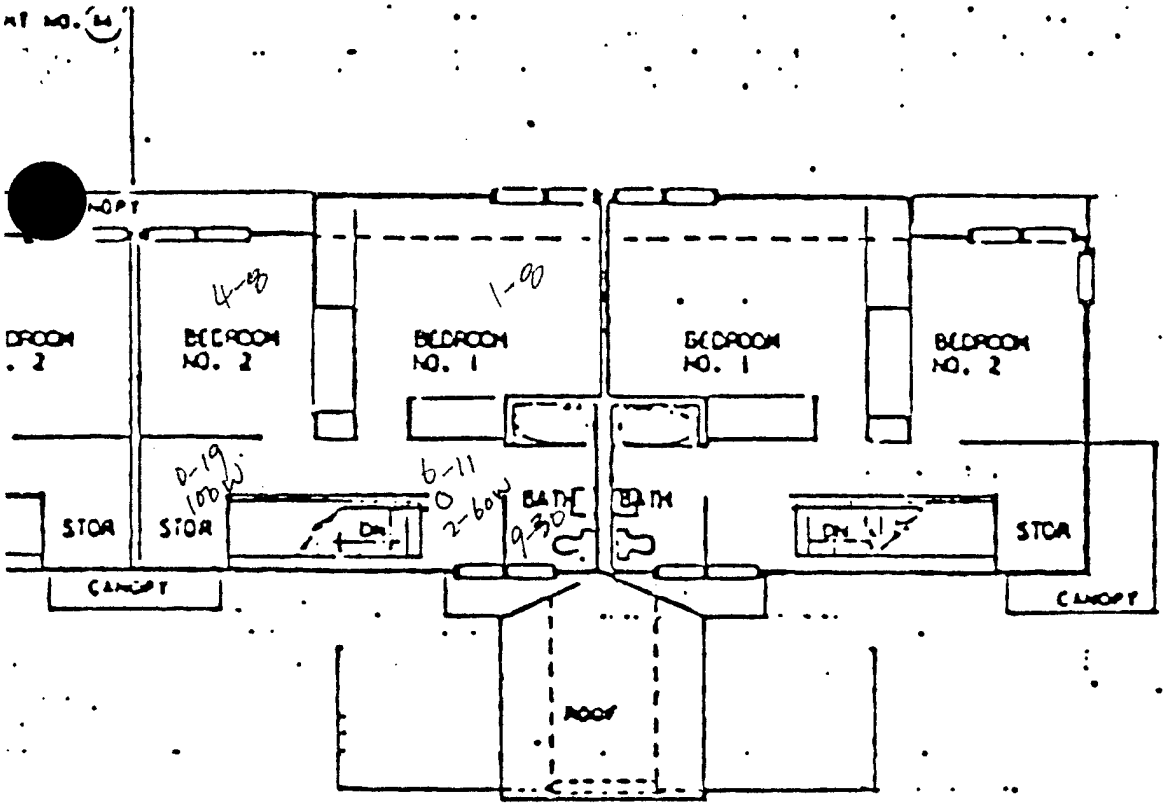
AREA K-1 3917, 3924, 3934, 3935 3941.
SEE SITE PLAN SHEET 07 FOR LOCATION

AREA V 1301, 1310, 1323, 1333 1345, 1347, 1350
SEE SITE PLAN SHEET 00 FOR LOCATION

AREA P 4252
SEE SITE PLAN SHEET 08 FOR LOCATION

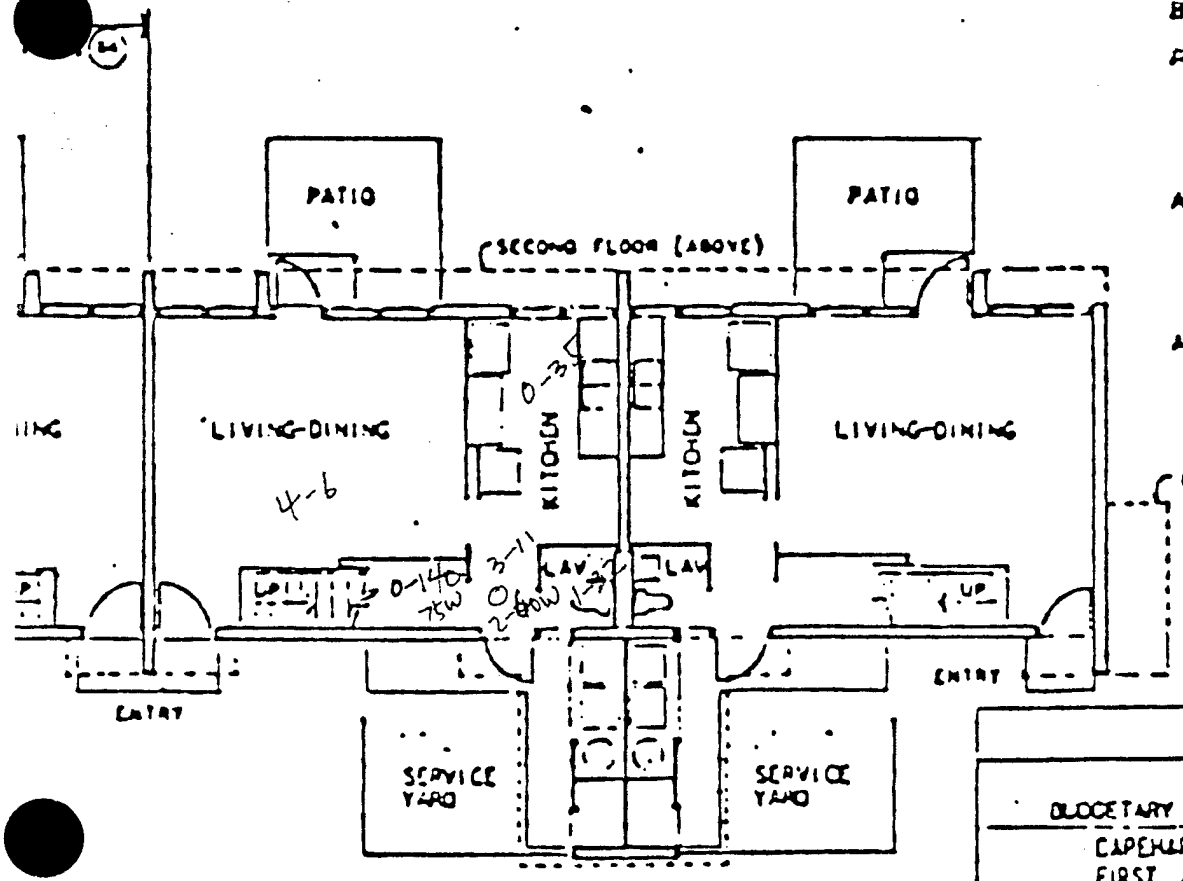
REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CARPENTER HOUSING SCHOFIELD 1963 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE H
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8299 | | 25 | 23 | 07 | SHT. 81

MAY 1973



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I



BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.
SEE SITE PLAN SHEET (6) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350
SEE SITE PLAN SHEET (6) LOCATION

AREA T 4252
SEE SITE PLAN SHEET (6) LOCATION

REVISIONS
FAMILY HOUSING DUCTARY DATA FOR AIR CONDITIONING
CARPENTER HOUSING SCHOFIELD 1963 AREAS FIRST AND SECOND FLOOR PLANS TYPE
SCHOFIELD BARRACKS OAHU, H
U. S. ARMY ENGINEER DIVISION, PACIFIC O CORPS OF ENGINEERS HONOLULU, HAWAII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3934

Building Type: 600-I

Apartment: C

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 3

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Same as S7-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Conc. wall		
wood siding		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
wood roof		
asphalt shingles		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 57-III

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: ____ °F
____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

____

____

____

d. Is Piping System Insulated and Condition: ____
Insulation Thickness: ____

e. Is Hot Water Circulated? ____

1) Condition of circular ____
2) Circulator capacity ____
3) Is aquastat provided?
4) Aquastat temperature setting ____
5) Mfg/Model ____
6) Electrical Data ____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location ____
b. Areas Served ____
c. Manufacturer and Model ____
d. Energy (Oil, Gas, Electric, Coal, Etc.) ____
e. Type Heaters & Quantities:
1) Storage ____
2) Instantaneous ____
3) Semi-Instantaneous ____
f. Heater Size and Storage Capacity ____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

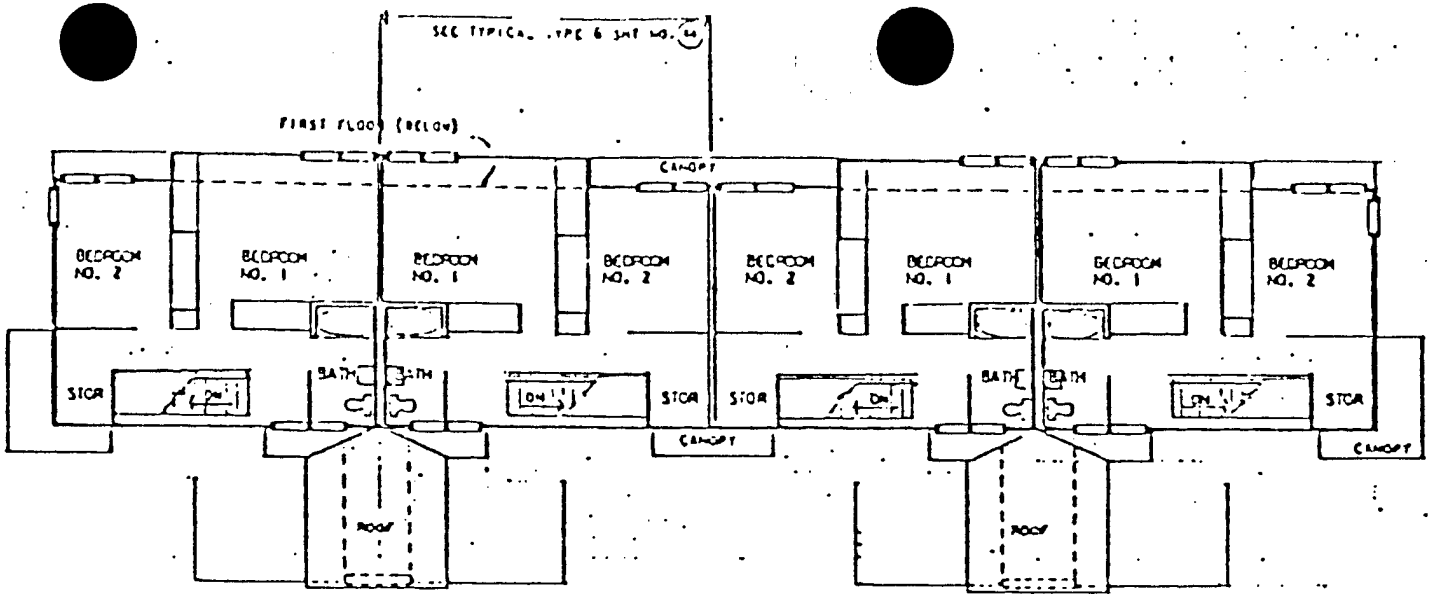
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

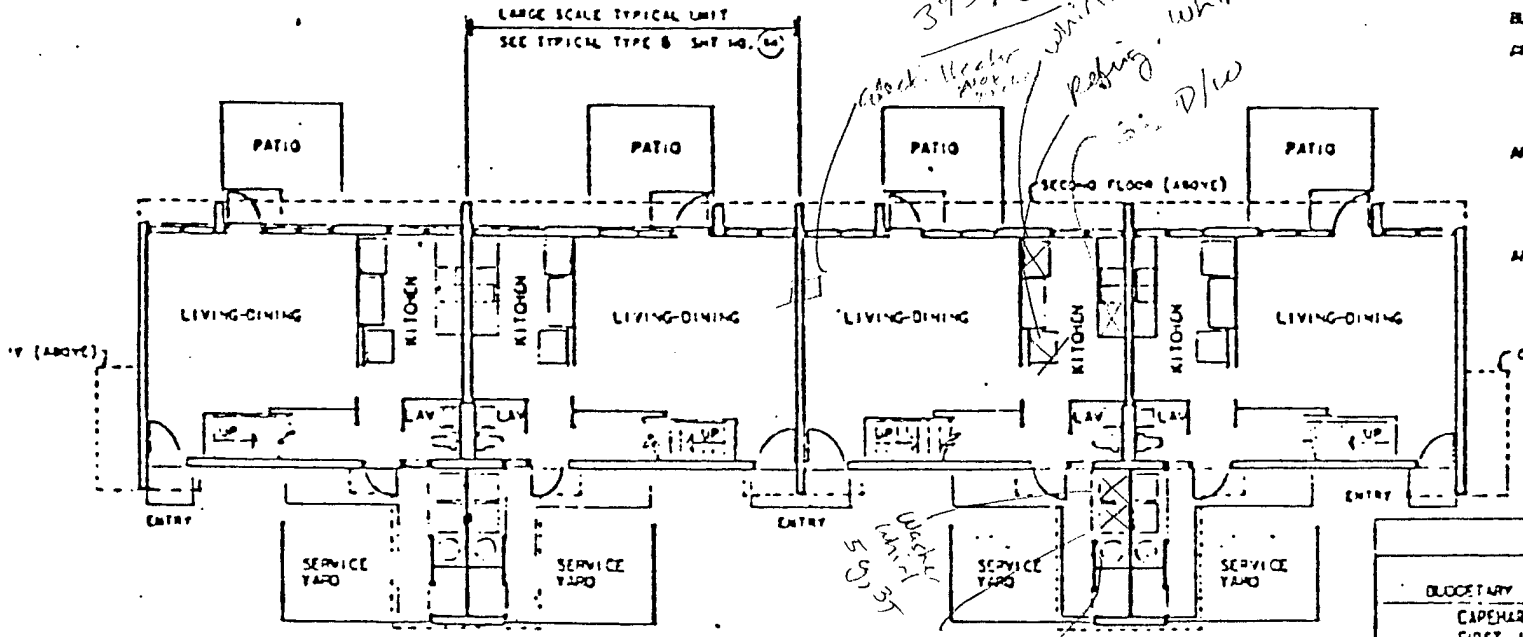
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
KIT SK	1.5ℓ/10s	130F	w/ Flow Rest



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

Type 60-I

BUILDING NUMBERS

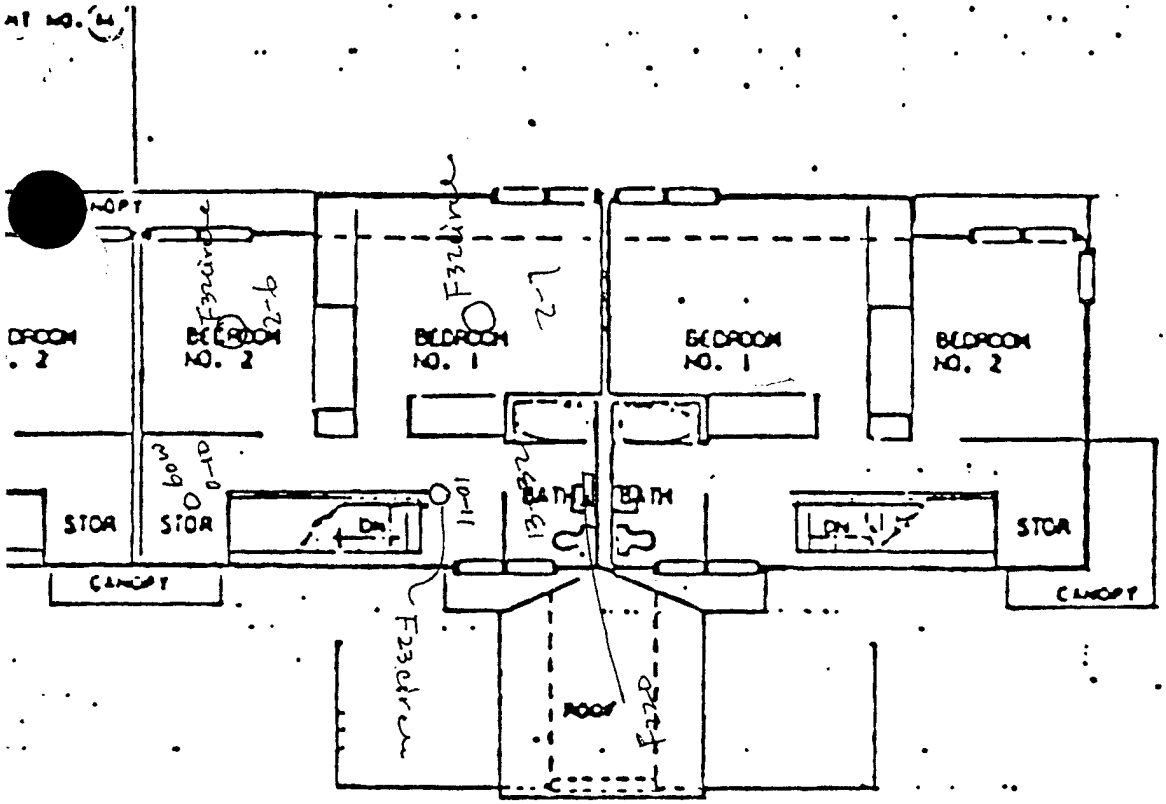
AREA K-I 3917, 3929, 3934, 3935, 3941.
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA V 1301, 1310, 1323, 1335, 1345, 1347, 1350
SEE SITE PLAN SHEET 69 FOR LOCATION

AREA T 8252
SEE SITE PLAN SHEET 68 FOR LOCATION

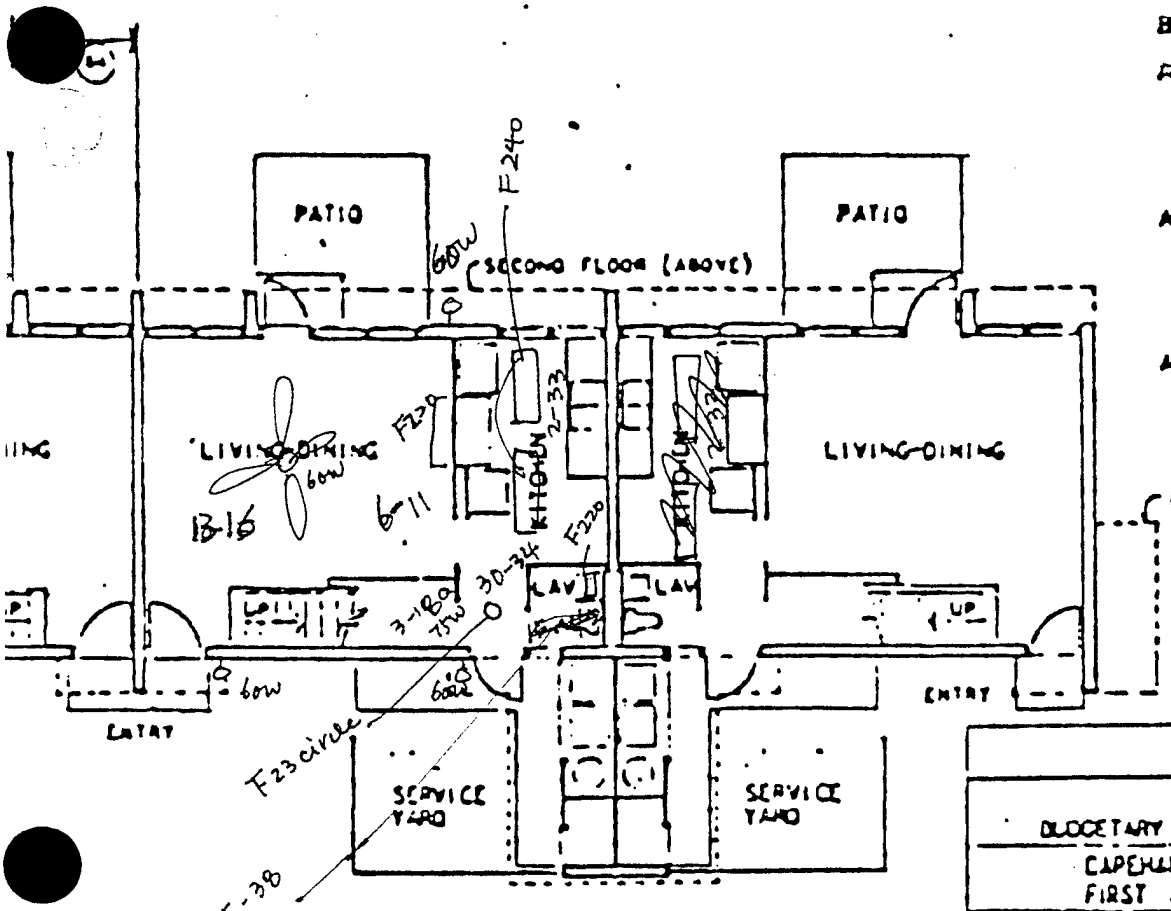
REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1963 AREAS K-I, T, V FIRST AND SECOND FLOOR PLANS TYPE H					
SCHOFIELD BARRACKS				OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8299		25	23	07	SHT. 21

MAY 1973



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I



BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.
SEE SITE PLAN SHEET (4) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350
SEE SITE PLAN SHEET (4) LOCATION

AREA T 4252
SEE SITE PLAN SHEET (4) LOCATION

REVISIONS
FAMILY HOUSING DUCTWORK DATA FOR AIR CONDITIONING
CARPENTER HOUSING SCHOFIELD 1963 AREA FIRST AND SECOND FLOOR PLANS TYPE
SCHOFIELD BARRACKS OAHU, H
U. S. ARMY ENGINEER DIVISION, PACIFIC O CORPS OF ENGINEERS HONOLULU, HAWAII

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3935

Building Type: 60-I

Apartment: B

No. Bedrooms: 2

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 2

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1 week

Remarks: _____

2.0 ARCHITECTURAL

Construction

Same as 57-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

3.0 HOT WATER SYSTEM Same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

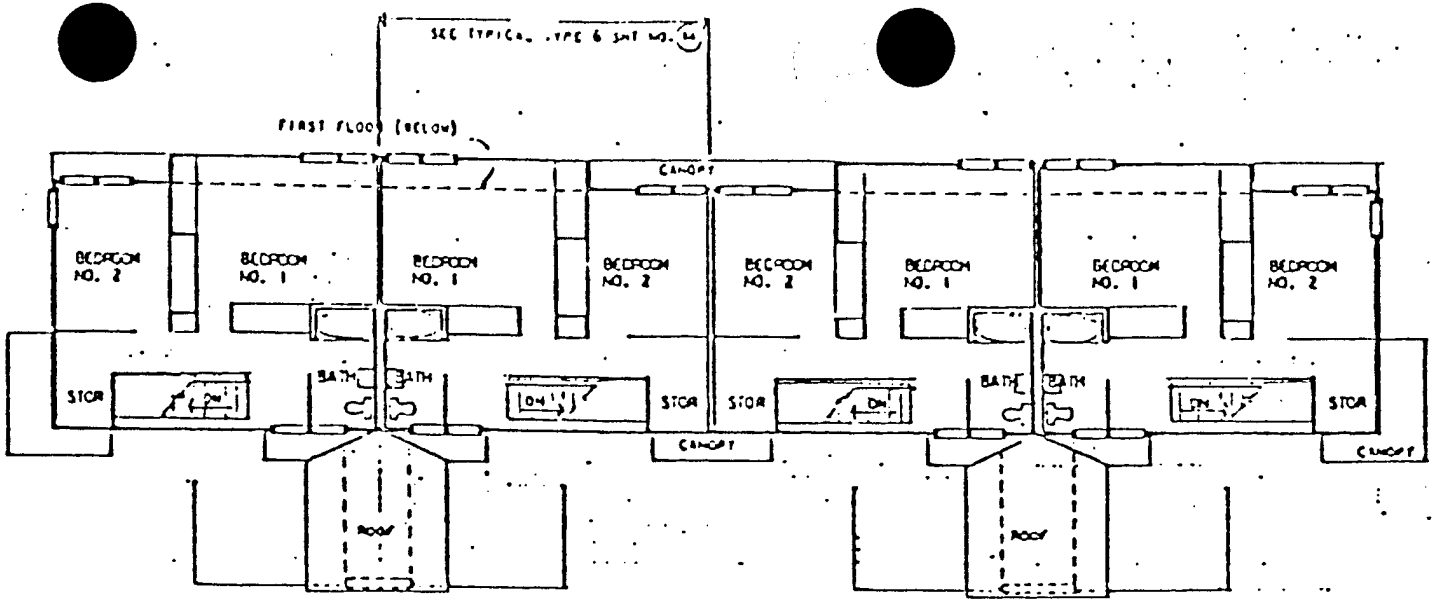
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

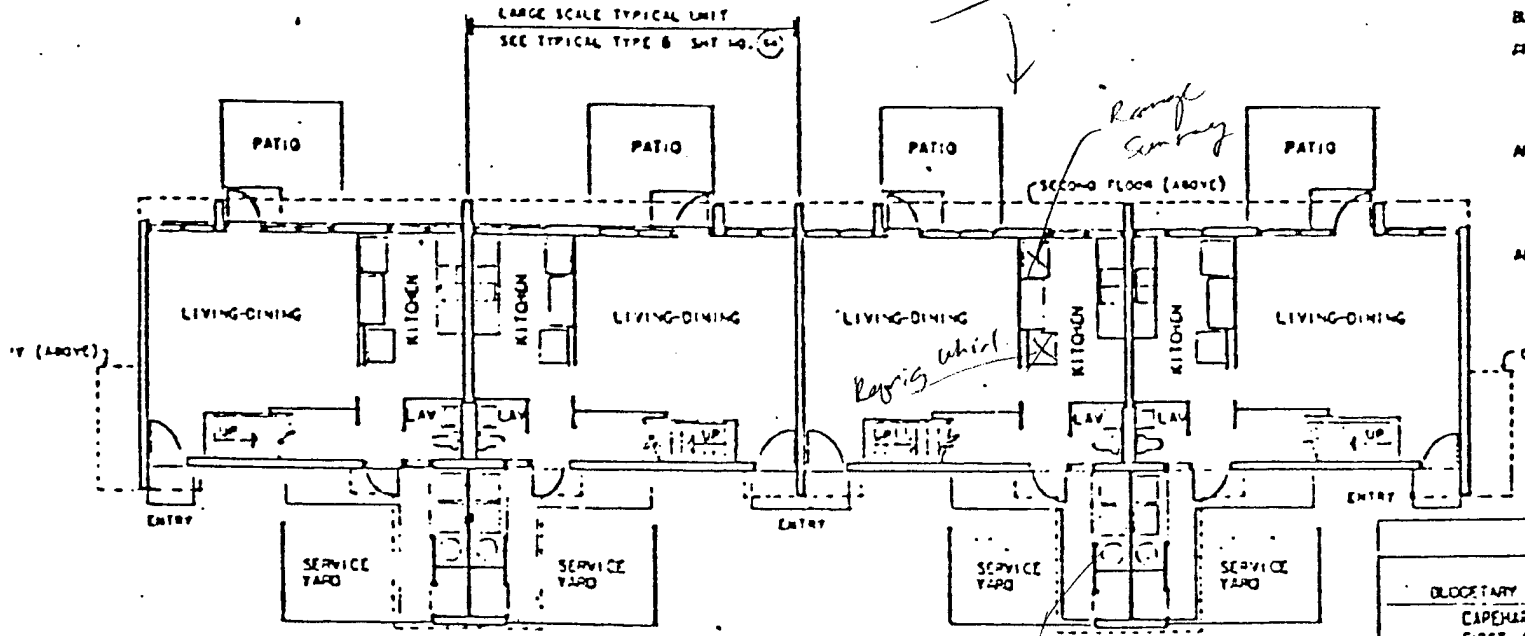
Fixture	Flow	Water Temp.	Remarks
Kit. SK	1 2/10	120	
Shwr	1 2/10	120	reg. head.



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3935B

Type 60-I



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

BUILDING NUMBERS

AREA K-1 3917, 3929, 3934, 3935 3941.
SEE SITE PLAN SHEET 67 FOR LOCATION

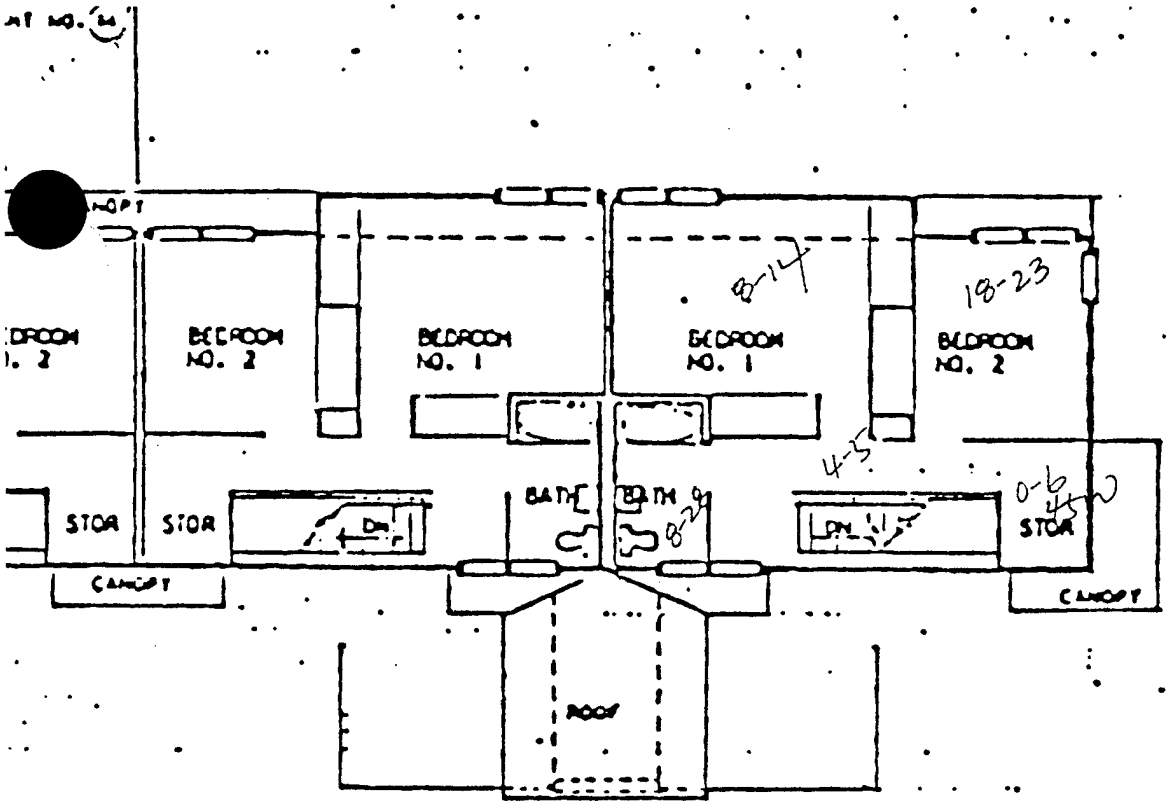
AREA V 1301, 1310, 1323, 1335 1343, 1347, 1350
SEE SITE PLAN SHEET 66 FOR LOCATION

AREA T 1252
SEE SITE PLAN SHEET 68 FOR LOCATION

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

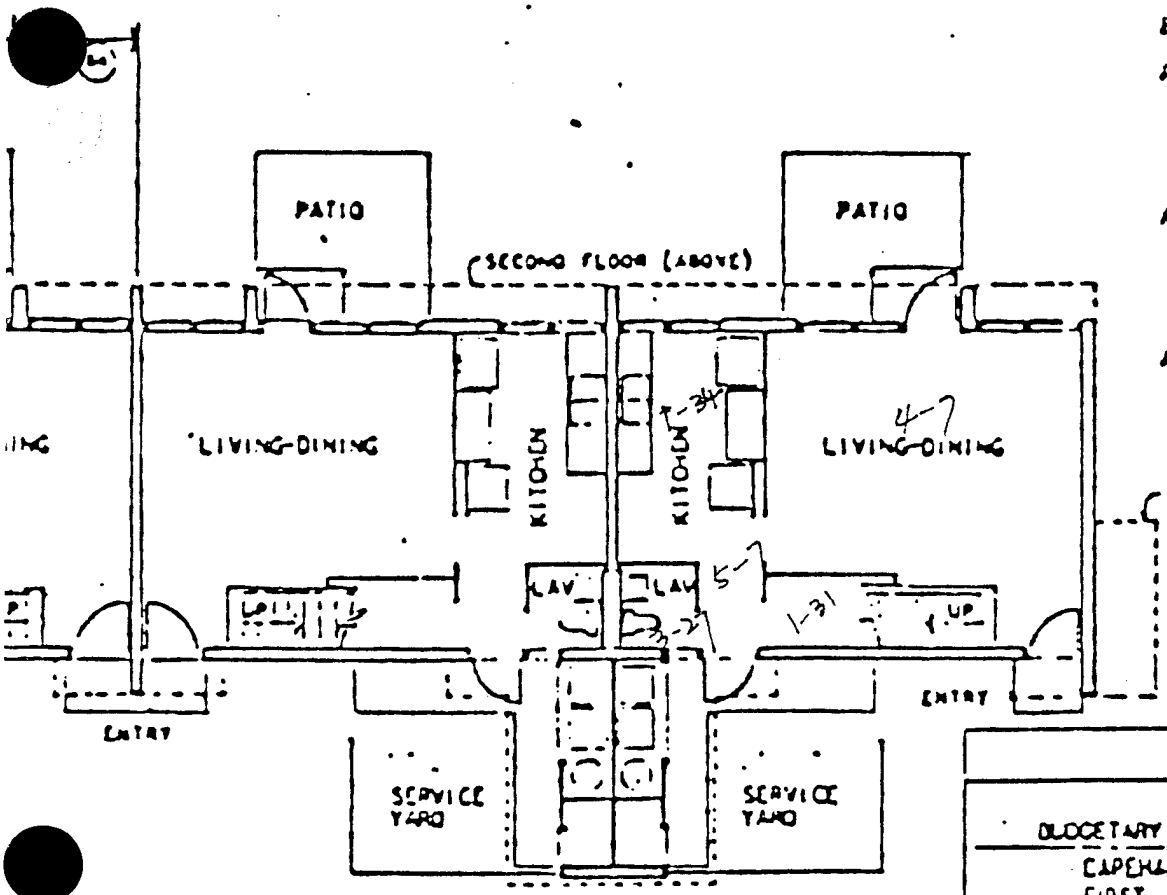
REVISIONS					
FAMILY HOUSING BIOGRAPHY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1963 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE H					
SCHOFIELD BARRACKS				OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 3299		25	23	07	SHT. 21

MAY 1973



3917 ABCD
3924 ABCD
3934 ABCD
3935 ABCD

Type 60-I



BUILDING NUMBERS

AREA K-1 3917, 3924, 3934, 3941.
SEE SITE PLAN SHEET (6) LOCATION

AREA V 1301, 1310, 1323, 1343, 1347, 1350
SEE SITE PLAN SHEET (6) LOCATION

AREA T 4252
SEE SITE PLAN SHEET (6) LOCATION

8' 4' 0 8' 16'

REVISIONS

FAMILY HOUSING
DIDOCETARY DATA FOR AIR CONDITIONING
CARPENTER HOUSING SCHOFIELD 1963 AREA
FIRST AND SECOND FLOOR PLANS TYPE

SCHOFIELD BARRACKS OAHU, H

U. S. ARMY ENGINEER DIVISION, PACIFIC O
CORPS OF ENGINEERS
HONOLULU, HAWAII

UNIT TYPE 60-II

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3922

Building Type: 60-II

Apartment: C

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 6

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 14

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as S7-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: ____ °F
____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

____

____

____

d. Is Piping System Insulated and Condition: ____
Insulation Thickness: ____

e. Is Hot Water Circulated? ____

1) Condition of circular ____
2) Circulator capacity ____
3) Is aquastat provided?
4) Aquastat temperature setting ____
5) Mfg/Model ____
6) Electrical Data ____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location ____
b. Areas Served ____
c. Manufacturer and Model ____
d. Energy (Oil, Gas, Electric, Coal, Etc.) ____
e. Type Heaters & Quantities:
1) Storage ____
2) Instantaneous ____
3) Semi-Instantaneous ____
f. Heater Size and Storage Capacity ____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

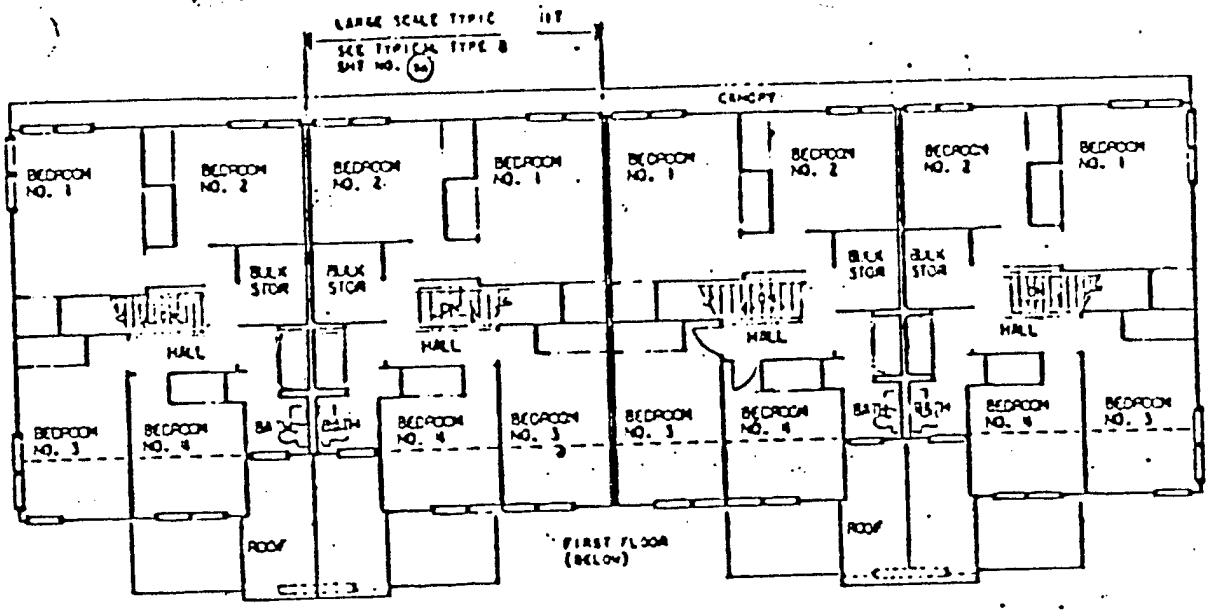
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

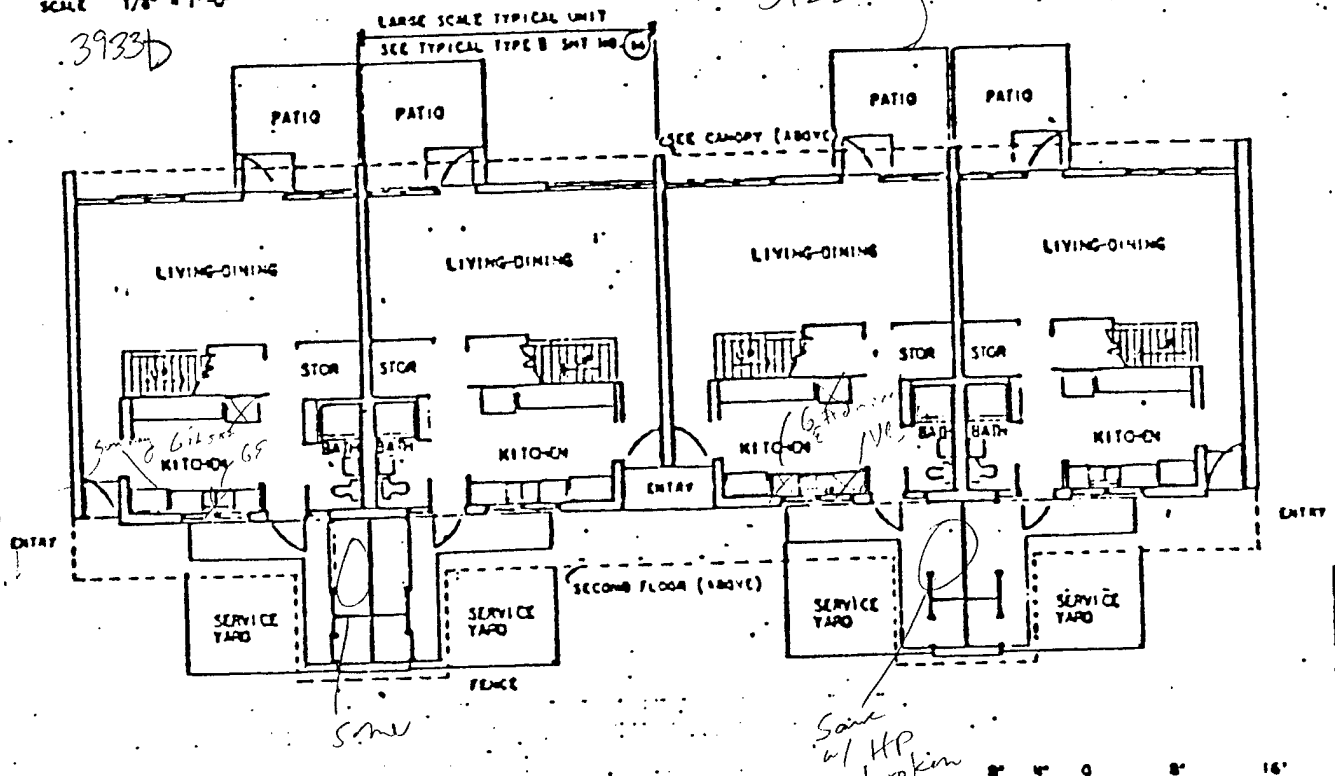
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
kitsk	1ℓ/12s	124	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3933 D



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

3922 C

Type 60-II

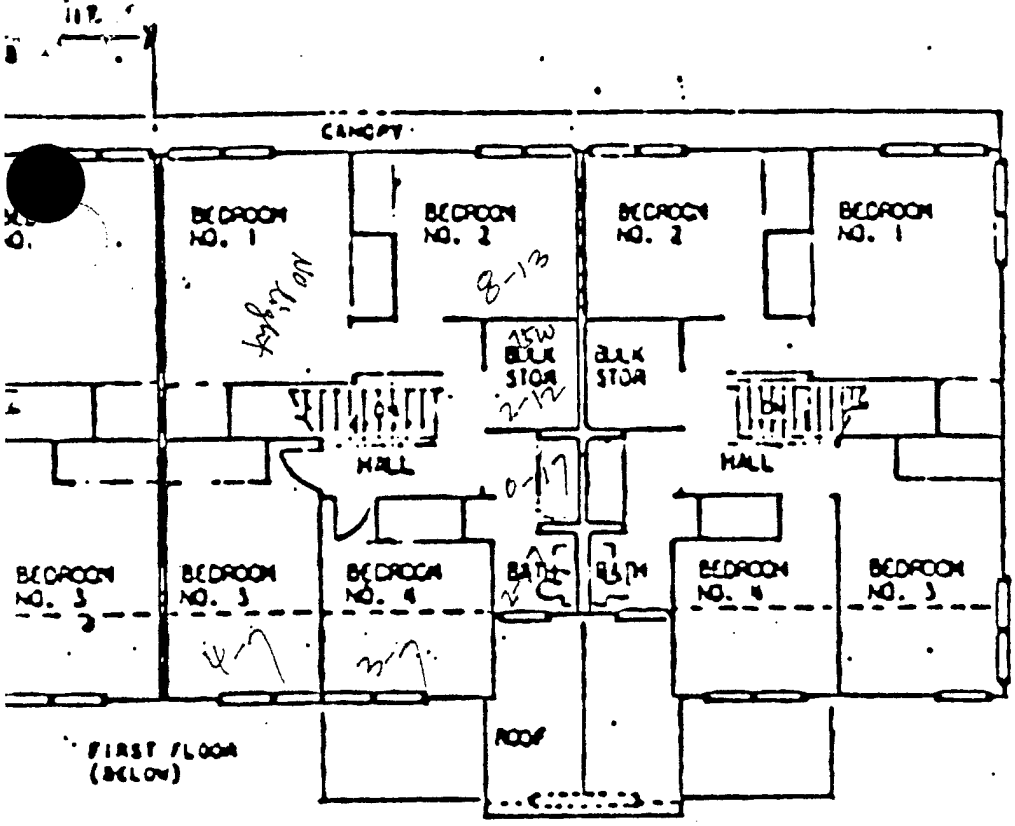
BUILDING NUMBERS

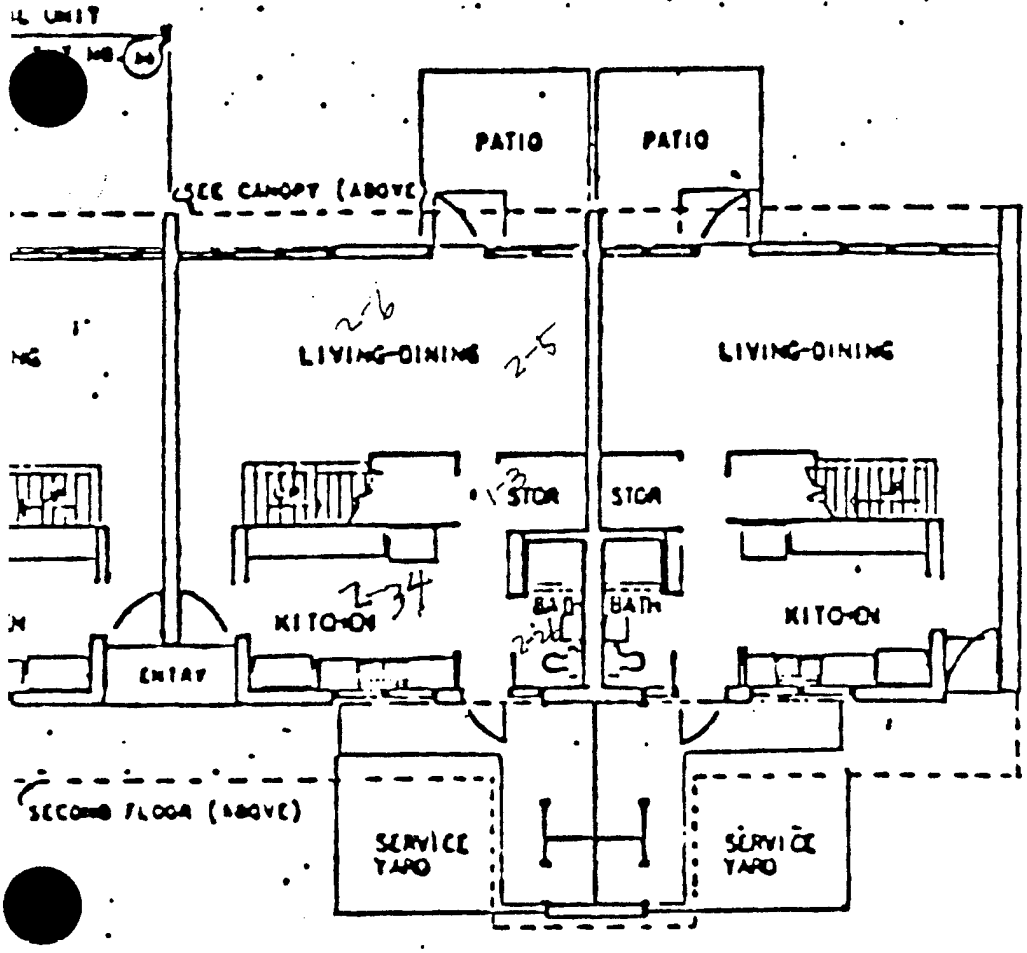
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 9250, 9250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1306, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CARPENTRY HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
25 | 23 | 67 SHT 88





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA K-1	3922, 3933,
	SEE SITE PLAN SH
AREA T	4240, 4250
	SEE SITE PLAN SH
AREA V	1302, 1303, 1318, 1321, 1356
	SEE SITE PLAN SH

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDIT
CAPEHART HOUSING SCHOFIELD FIRST AND SECOND FLOOR PLA
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3922

Building Type: 60 - II

Apartment: A D

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 5

Average No. of Showers/Day: 10

Average No. of Laundry Loads/Week: 14

Average No. of Times Dishwasher Used/Day: not used

Remarks: _____

same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ✓

Reflective Coating ___

3.0 HOT WATER SYSTEM

Same as 57-III

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

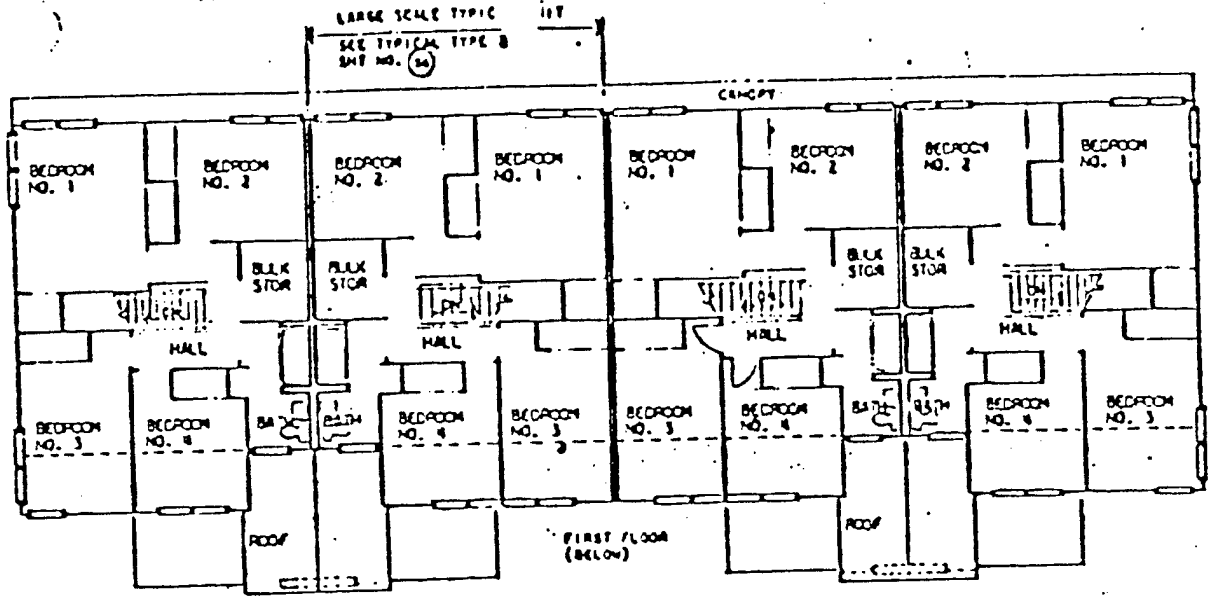
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

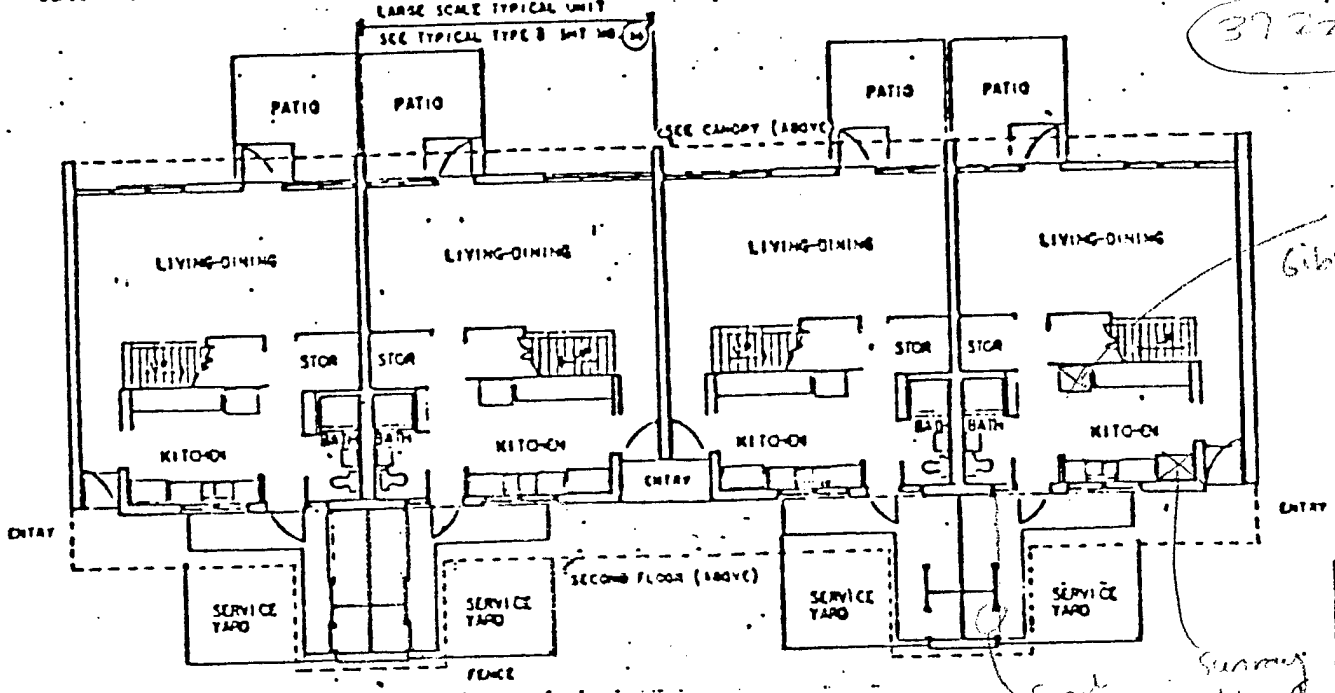
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kitsk	2l/10s	110	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

3922 D

Type 60-II

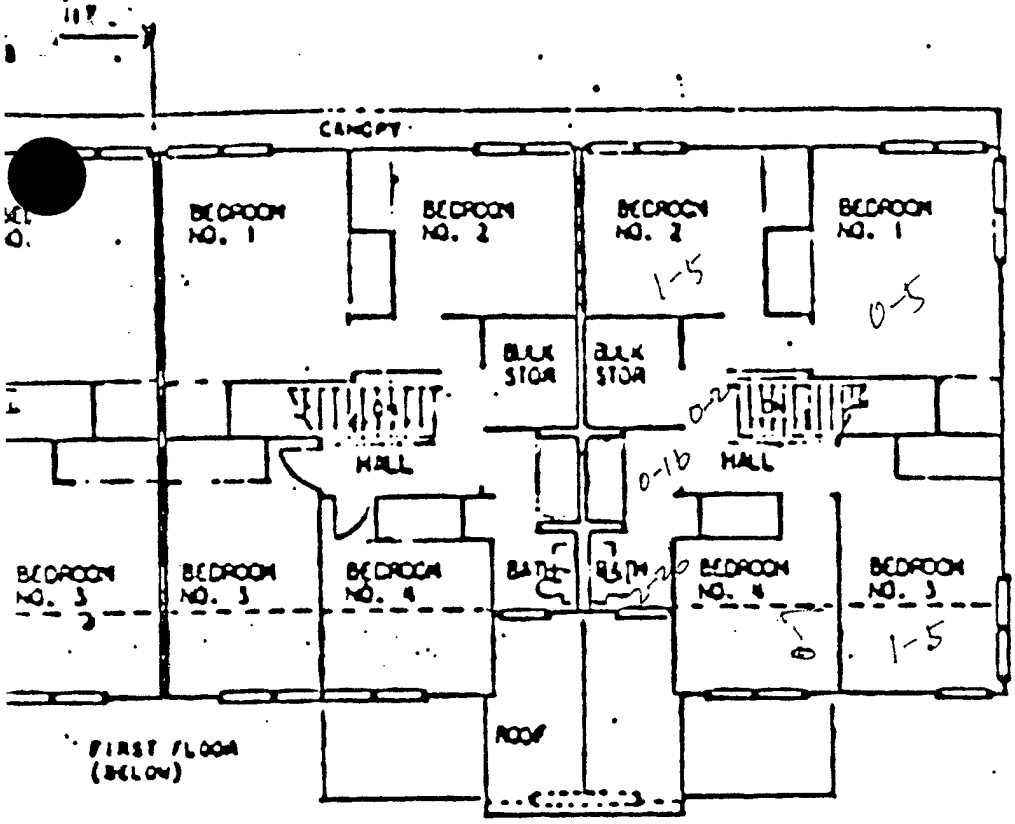
BUILDING NUMBERS

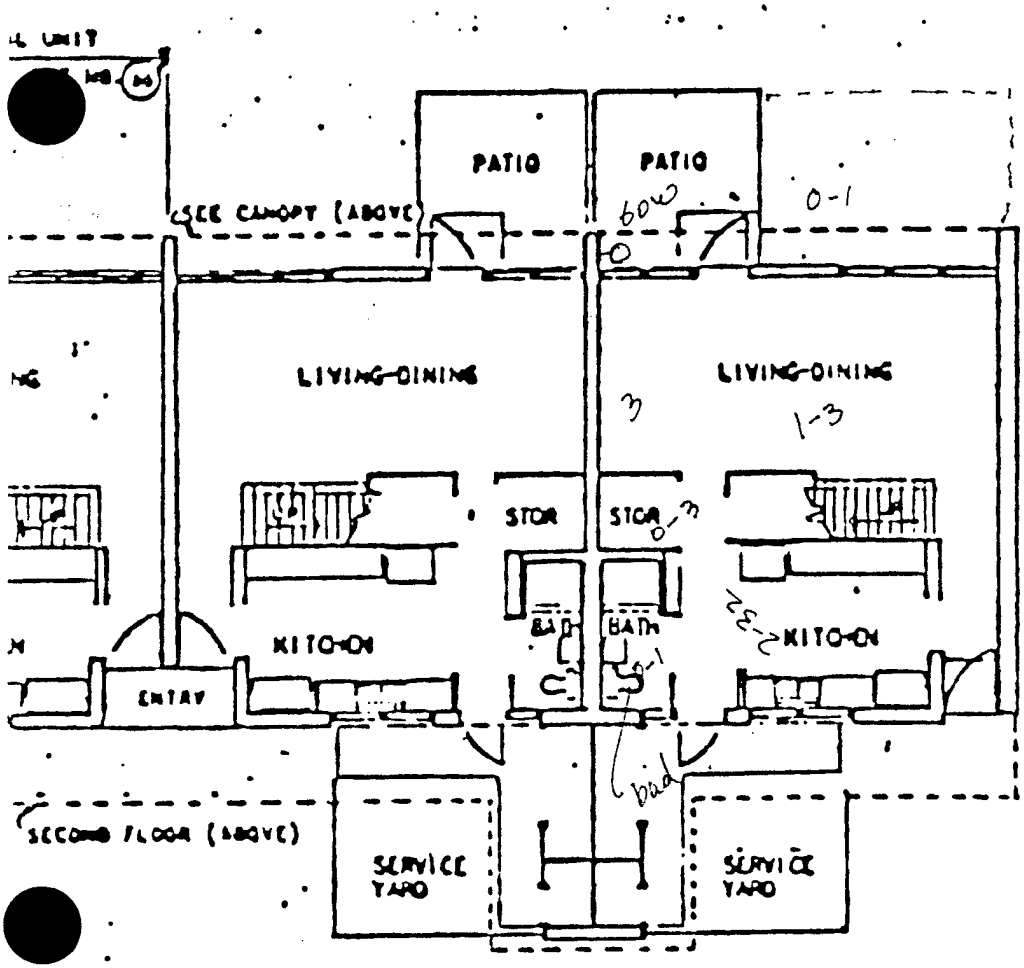
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 4250, 4250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1306, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS	
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS	
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I	
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC CODE 9366	25 | 23 | 07 SHT. 22





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA X-1	3922, 3933,
	SEE SITE PLAN SH
AREA Y	4240, 4250
	SEE SITE PLAN SH
AREA V	1302, 1303, 1318, 1321, 1356
	SEE SITE PLAN SH

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDIT
CARPENTER HOUSING SCHOFIELD FIRST AND SECOND FLOOR PLA
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

8' 4' 0 8' 16'

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3933

Building Type: 6a-II

Apartment: B

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 3

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 20

Average No. of Times Dishwasher Used/Day: not used

Remarks: _____

2.0 ARCHITECTURAL

Same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No ___

Tinted ___ ✓

Reflective Coating ___

same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

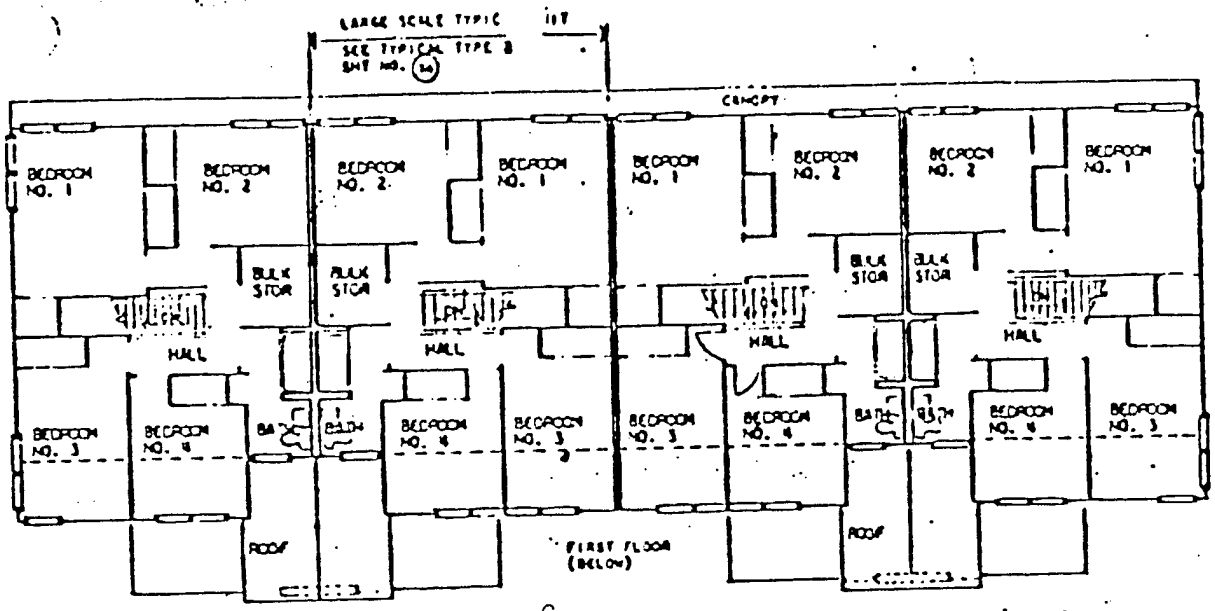
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

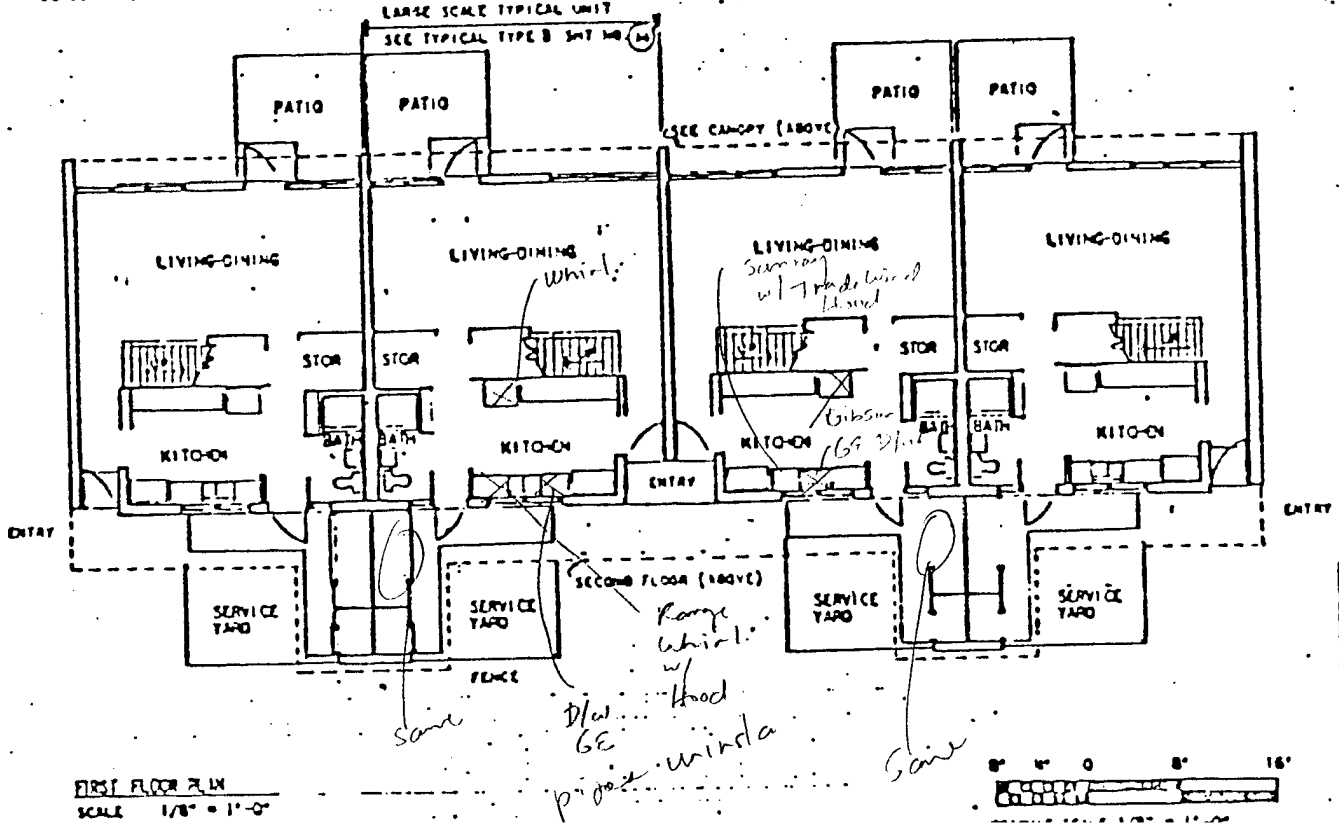
Fixture	Flow	Water Temp.	Remarks
Kit Sk	1ℓ/10s	116	
(UP) SHWR	2ℓ/10s	120	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3933 C

3933 B



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 60-II

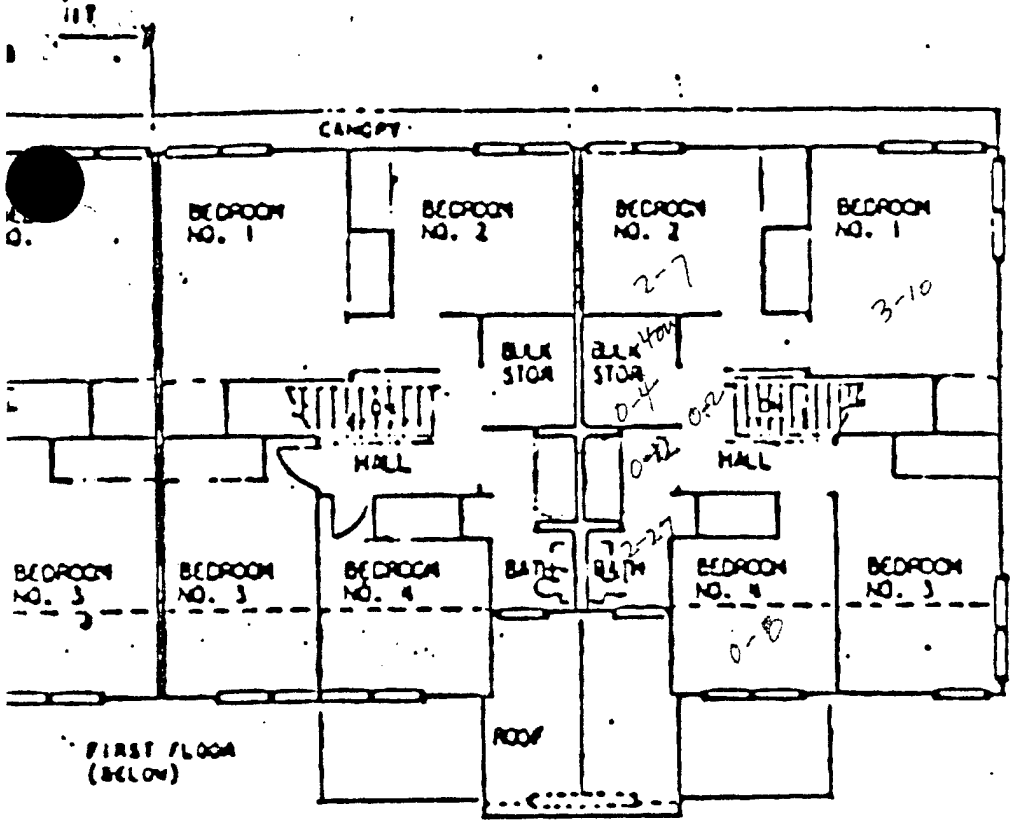
BUILDING NUMBERS

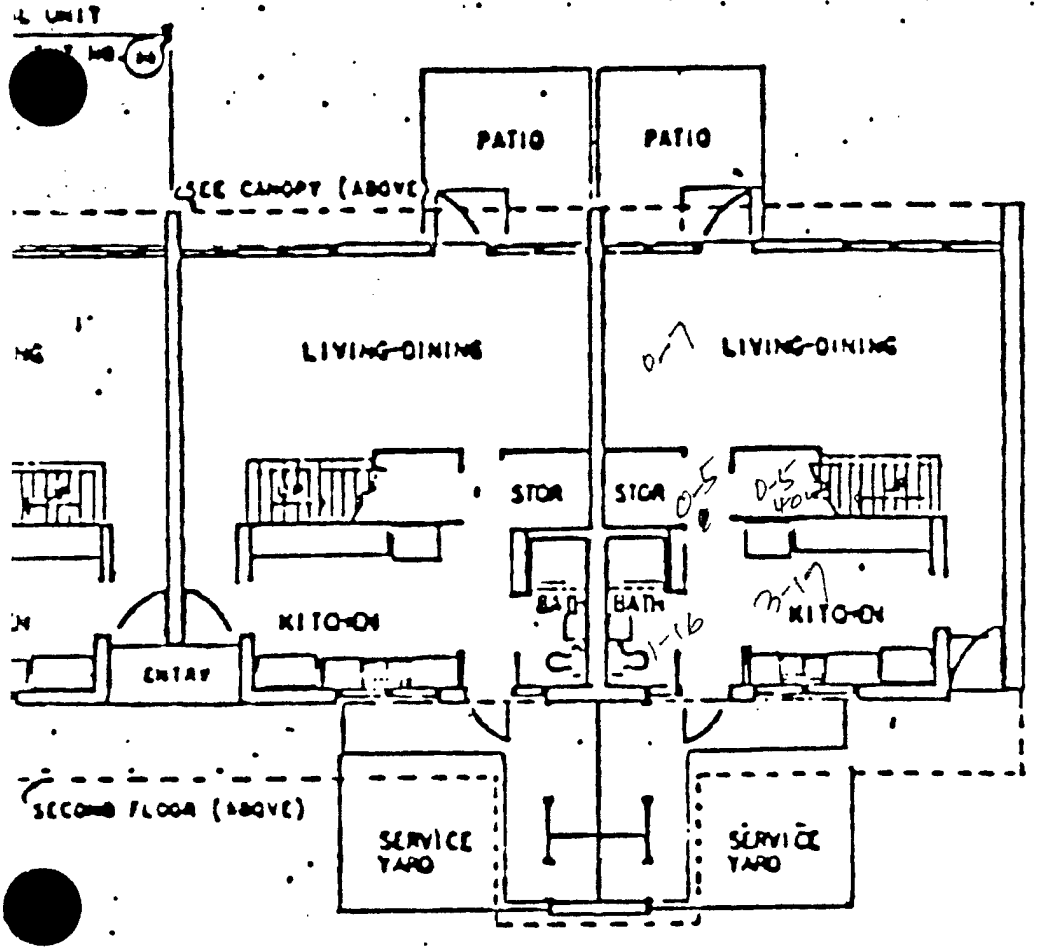
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 4250, 4250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1306, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS				
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS				
CLEARWATER HOUSING SCHOFIELD 1950 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I				
SCHOFIELD BARRACKS			OAHU, HAWAII	
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII				
LOC CODE 9250		25 | 23 | 07	SHT.	22





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA X-1	3922, 3933,
	SEE SITE PLAN S
AREA T	4240, 4250
	SEE SITE PLAN S
AREA V	1302, 1303, 1318, 1321, 1356
	SEE SITE PLAN S

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDI
CAPEHART HOUSING SCHOFIELD FIRST AND SECOND FLOOR PL
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 8933

Building Type: 60-II

Apartment: C

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 5

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 15

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted

Reflective Coating ✓

3.0 HOT WATER SYSTEM same as 57-111

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

d. Is Piping System Insulated and Condition:
Insulation Thickness:

e. Is Hot Water Circulated?

1) Condition of circular
2) Circulator capacity
3) Is aquastat provided?
4) Aquastat temperature setting
5) Mfg/Model
6) Electrical Data

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location
b. Areas Served
c. Manufacturer and Model
d. Energy (Oil, Gas, Electric, Coal, Etc.)
e. Type Heaters & Quantities:
1) Storage
2) Instantaneous
3) Semi-Instantaneous
f. Heater Size and Storage Capacity

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

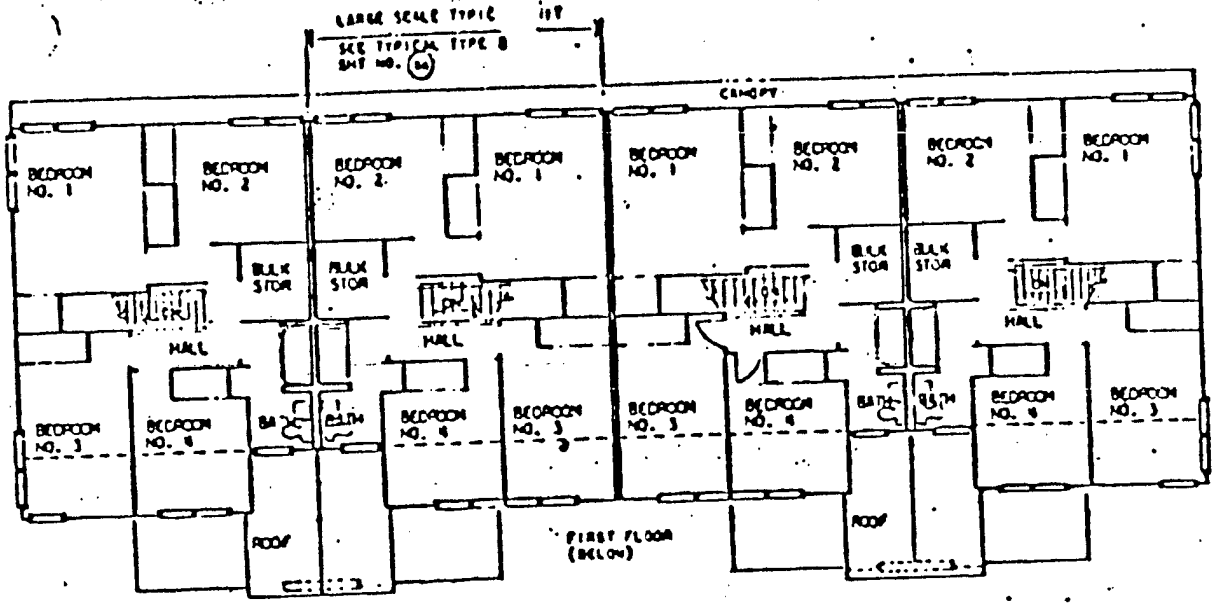
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

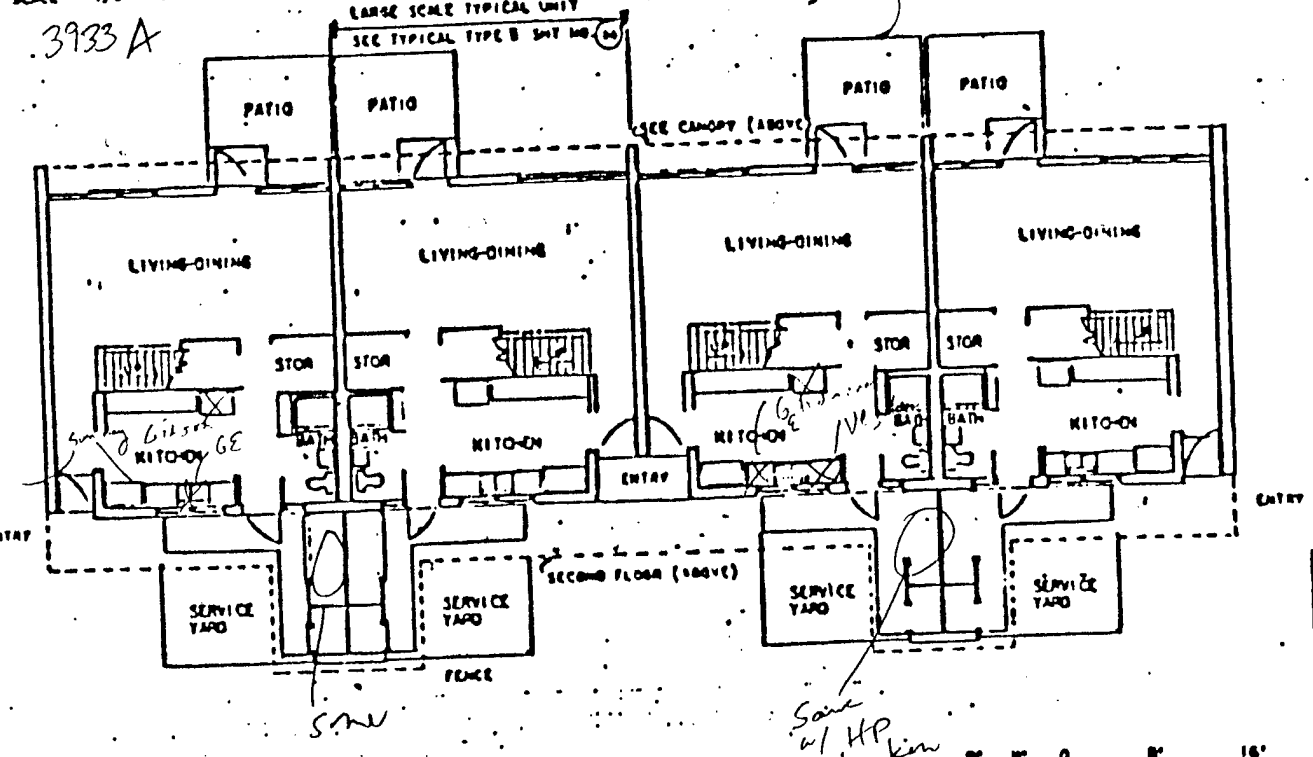
Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5ℓ/105	120	
UPSTAIRS SHWR	3.5ℓ/105	120	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3933 A

3923 C



Type 60-II

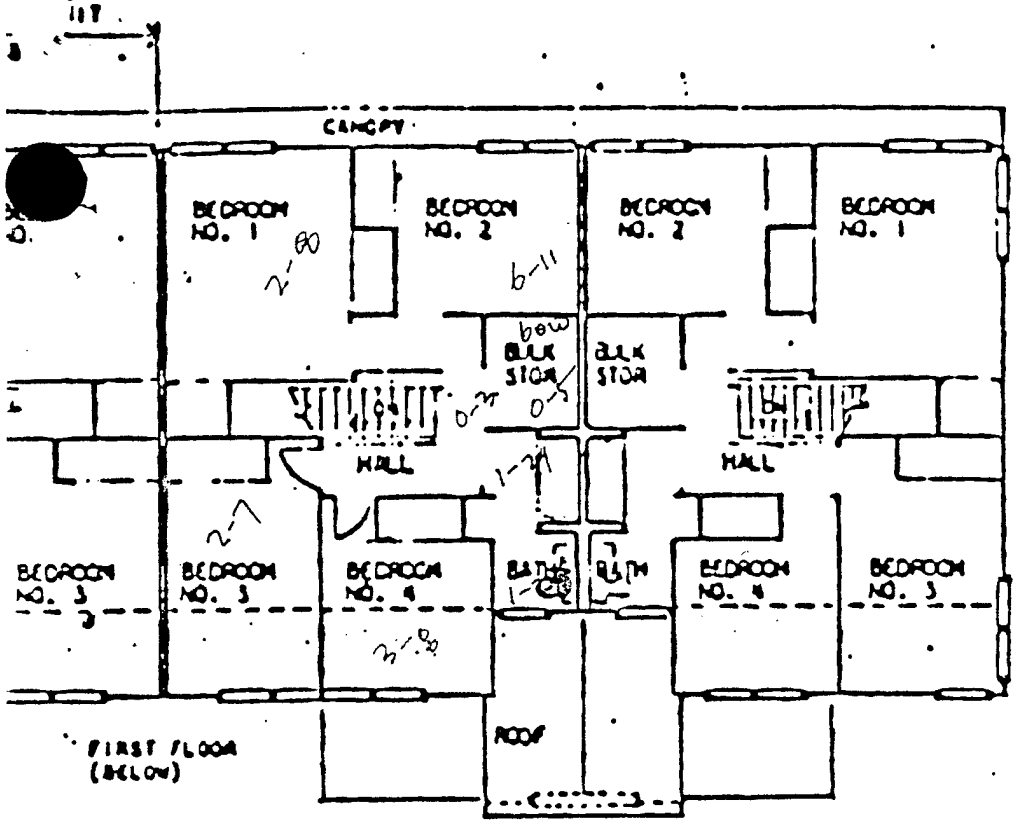
BUILDING NUMBERS

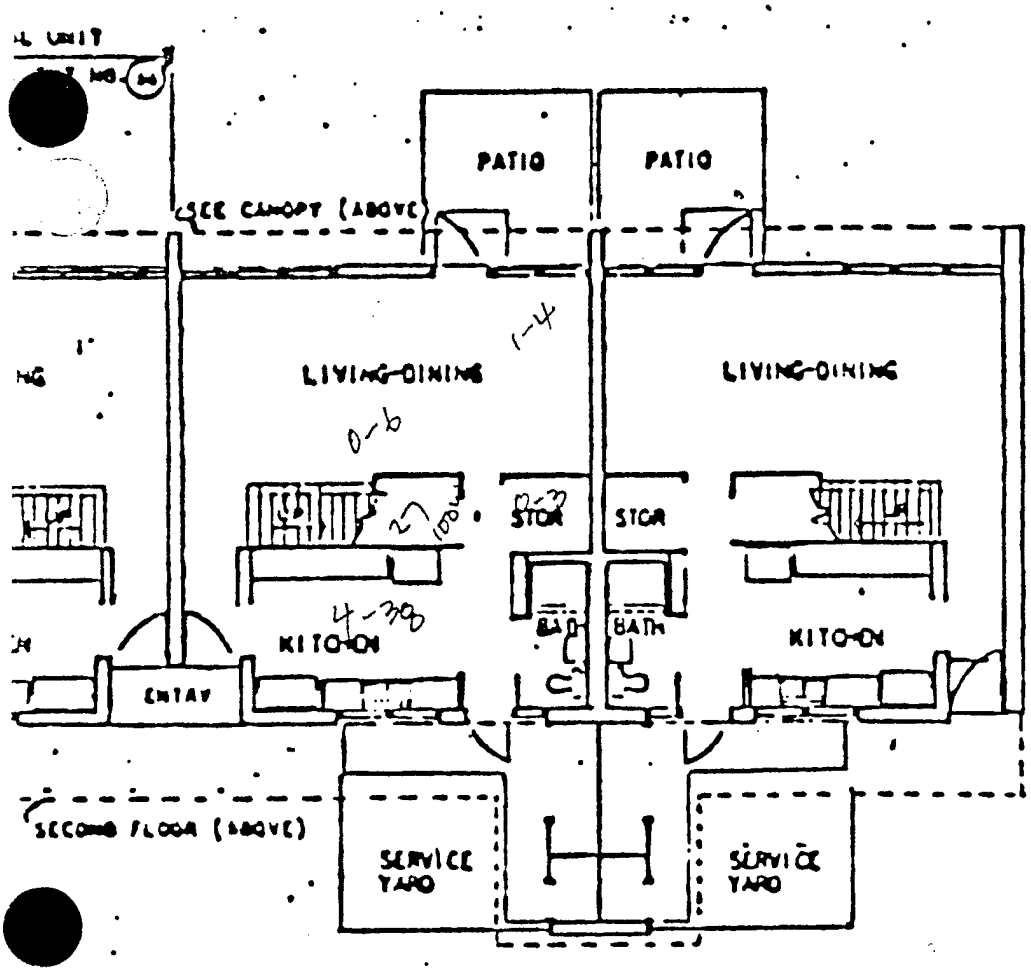
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 8240, 8250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1308, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE 1
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC CODE. 8240 | | 25 | 23 | 07 | SHT. 32





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA K-1	3922, 3933,	
	SEE SITE PLAN S	
AREA T	4240, 4250	
	SEE SITE PLAN S	
AREA V	1302, 1303, 1318, 1321, 1356	
	SEE SITE PLAN S	

8' 4' 0 8' 16'

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDIT
CAPEHART HOUSING SCHOFIELD FIRST AND SECOND FLOOR PL
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3933

Building Type: 60-II

Apartment: ~~A~~ D

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 5

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 10

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating /

same as 57-111

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

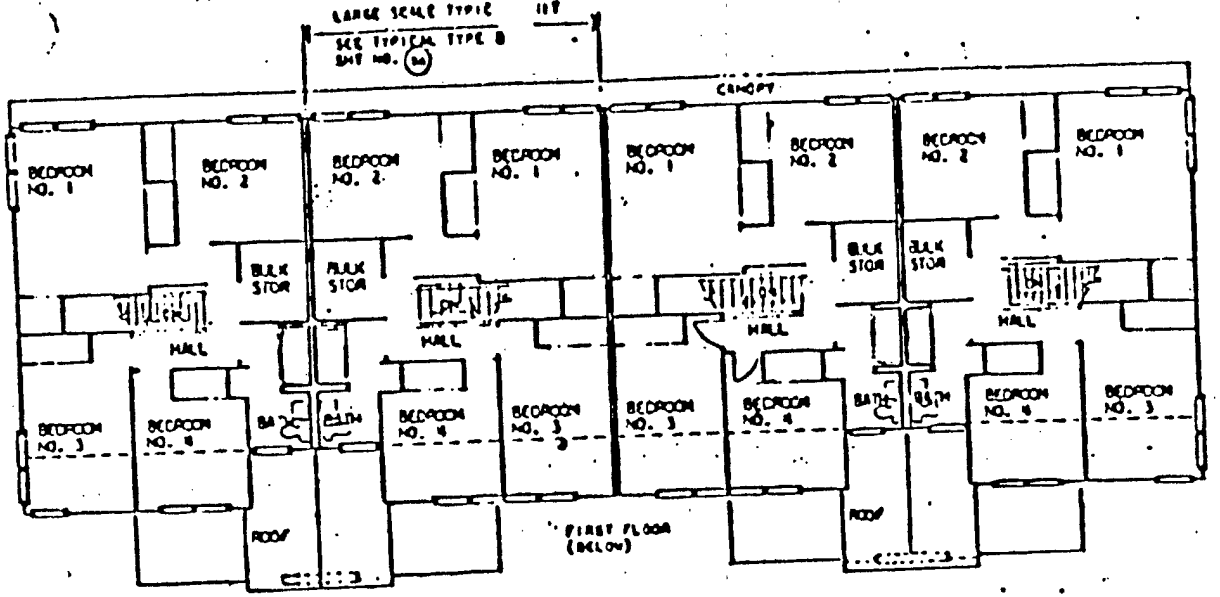
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

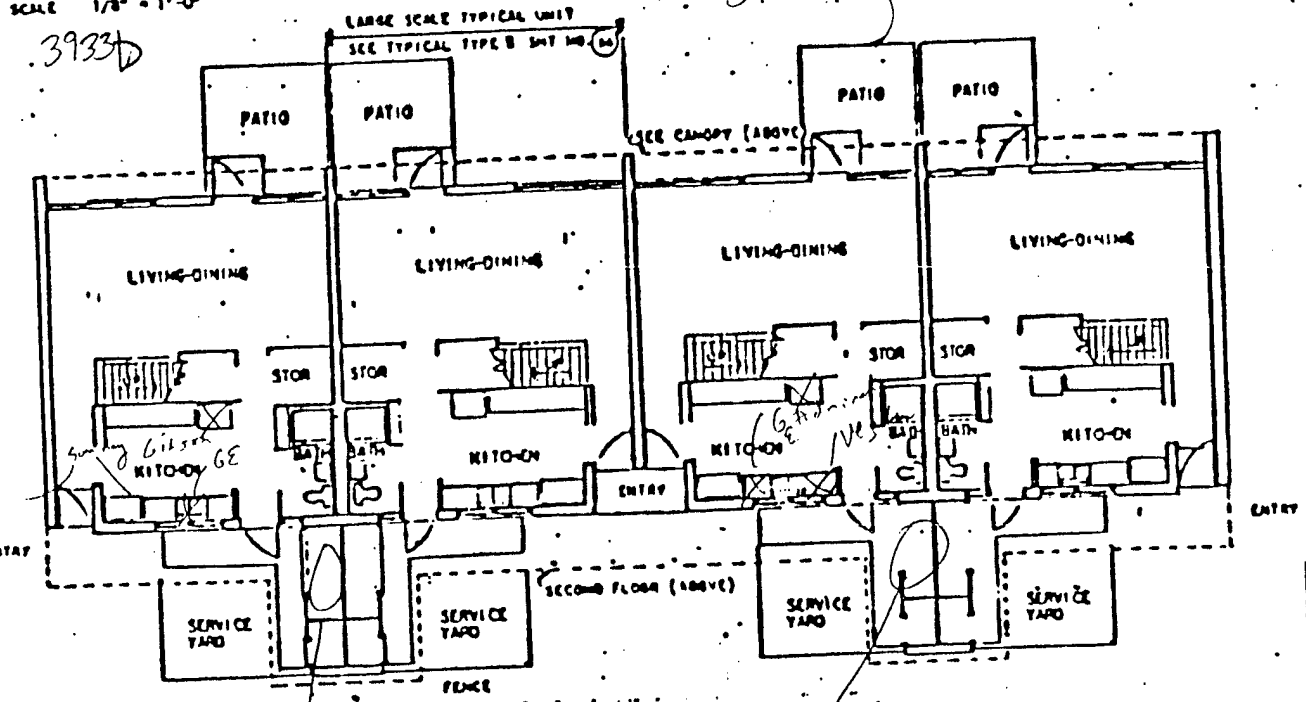
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. SK	1ℓ/10s	122F	
PN CSHWR	1ℓ/10s	120F	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3933D



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 60-II

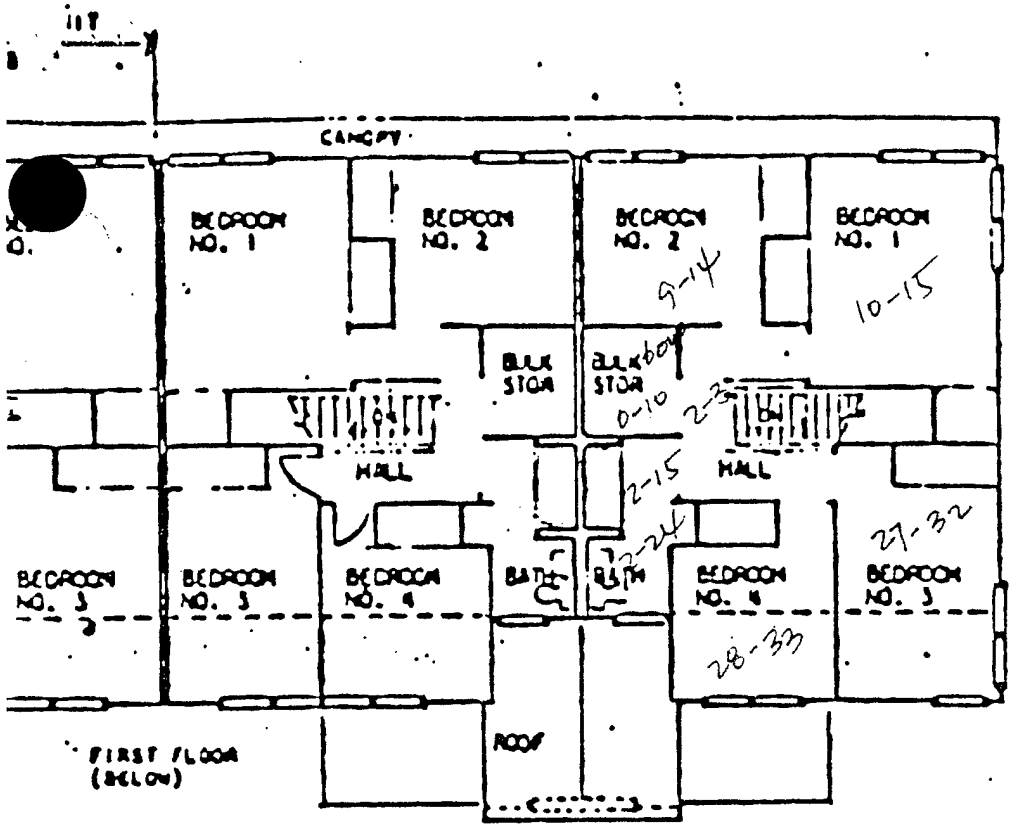
BUILDING NUMBERS

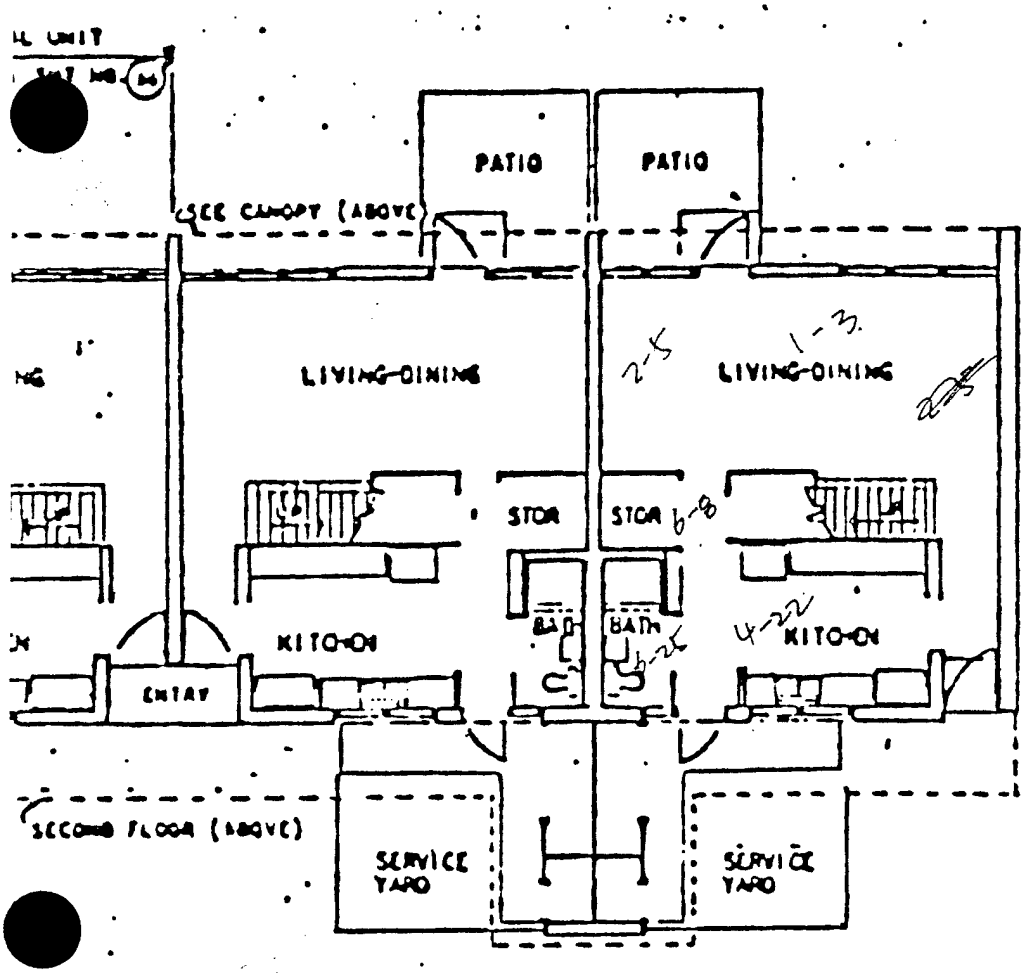
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 8240, 8250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1306, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS
FAMILY HOUSING
BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC CODE, 9290 | 25 | 23 | 07 | SHT. 22





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA K-1	3922, 3933,
	SEE SITE PLAN S
AREA Y	4240, 4250
	SEE SITE PLAN S
AREA V	1302, 1303, 1318, 1321, 1356
	SEE SITE PLAN S

REVISIONS
FAMILY HOUSING BLOCKAWAY DATA FOR AIR CONDIT
CAPEHART HOUSING SCHOFIELD FIRST AND SECOND FLOOR PL
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3739

Building Type: 60-II

Apartment: C

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: 8

No. of Occupants: 5

Average No. of Showers/Day: 10

Average No. of Laundry Loads/Week: 14

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

Same as 57-III

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____

Reflective Coating ✓

same as 57-III ~~60-I~~

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: ____ °F
____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

____

____

____

d. Is Piping System Insulated and Condition: ____
Insulation Thickness: ____

e. Is Hot Water Circulated? ____

1) Condition of circular ____
2) Circulator capacity ____
3) Is aquastat provided?
4) Aquastat temperature setting ____
5) Mfg/Model ____
6) Electrical Data ____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location ____
b. Areas Served ____
c. Manufacturer and Model ____
d. Energy (Oil, Gas, Electric, Coal, Etc.) ____
e. Type Heaters & Quantities:
1) Storage ____
2) Instantaneous ____
3) Semi-Instantaneous ____
f. Heater Size and Storage Capacity ____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

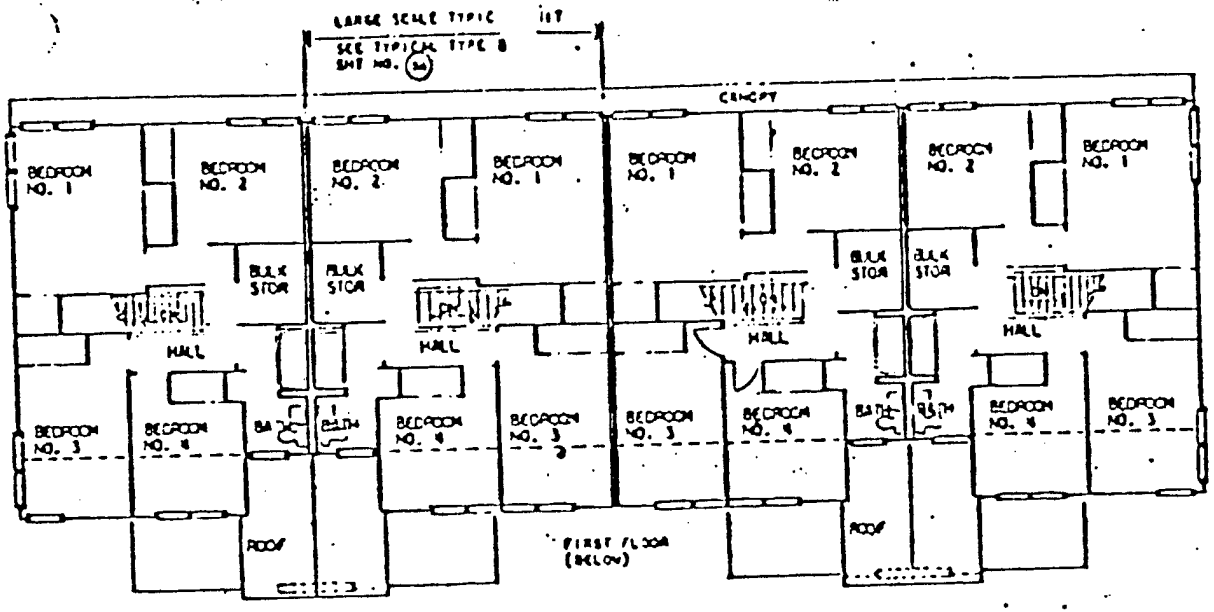
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

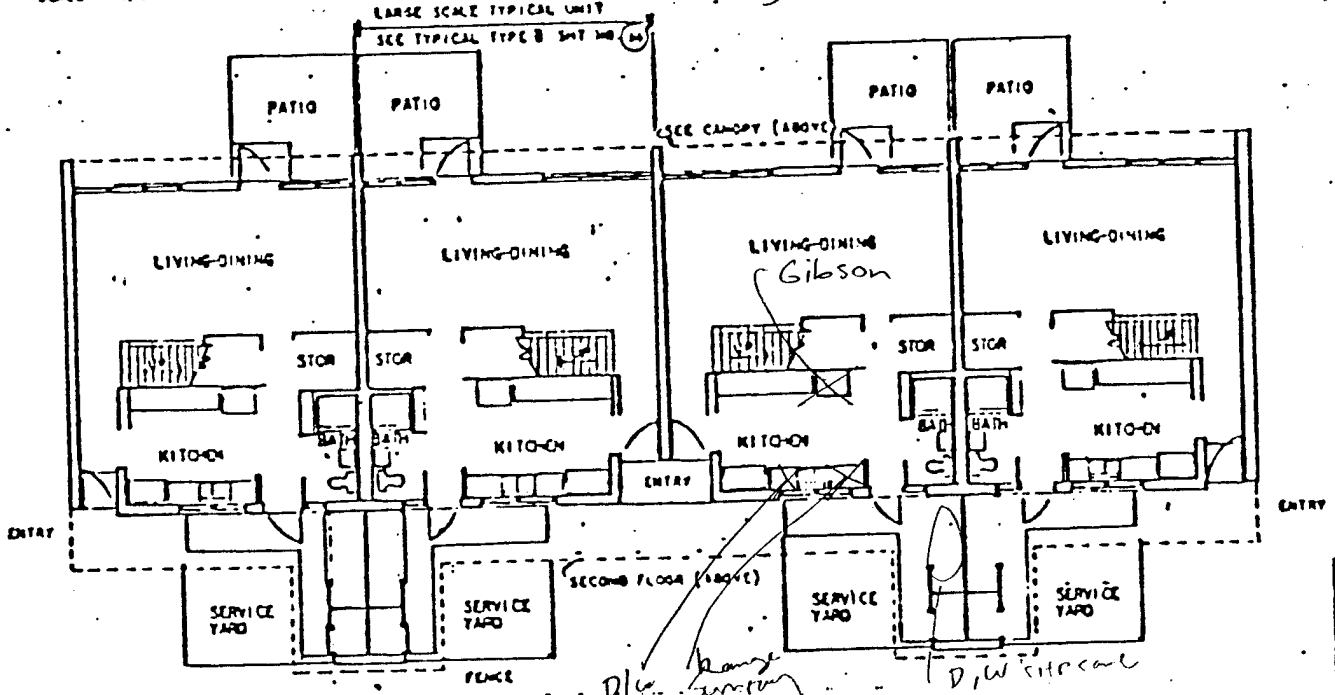
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit. Sk	2ℓ/10s	118	
Shwr (~~up~~ down)	1ℓ/10s	110	



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3939C



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

Type 60-II

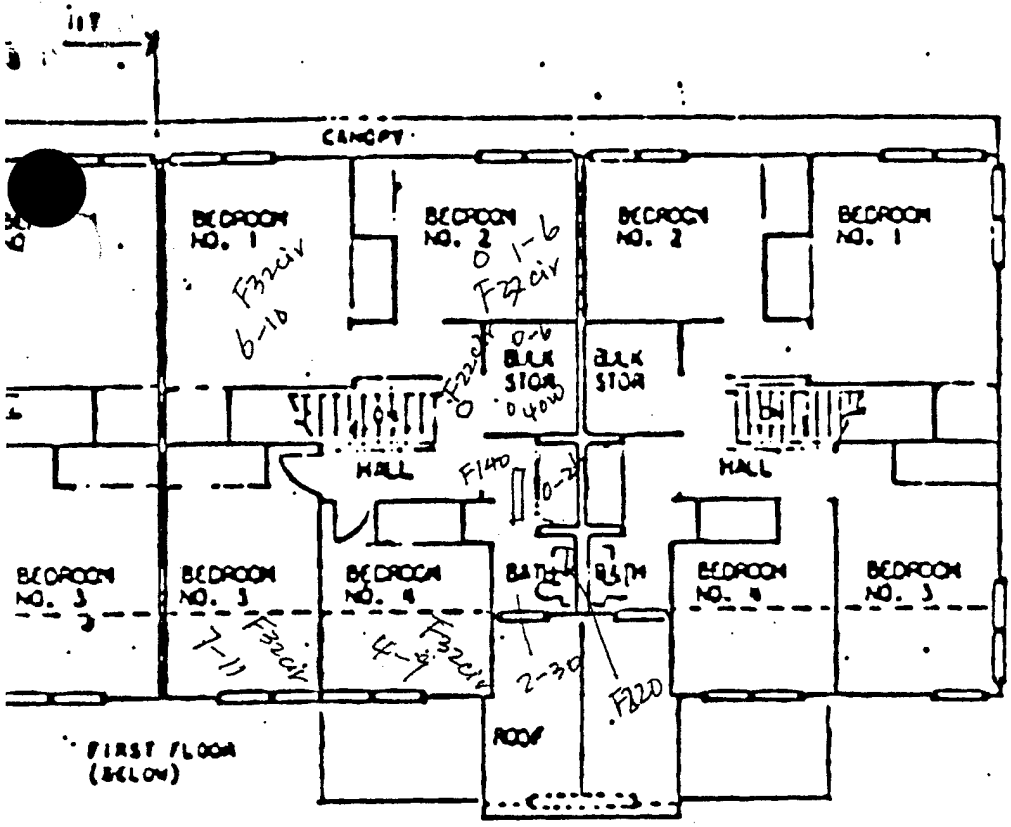
BUILDING NUMBERS

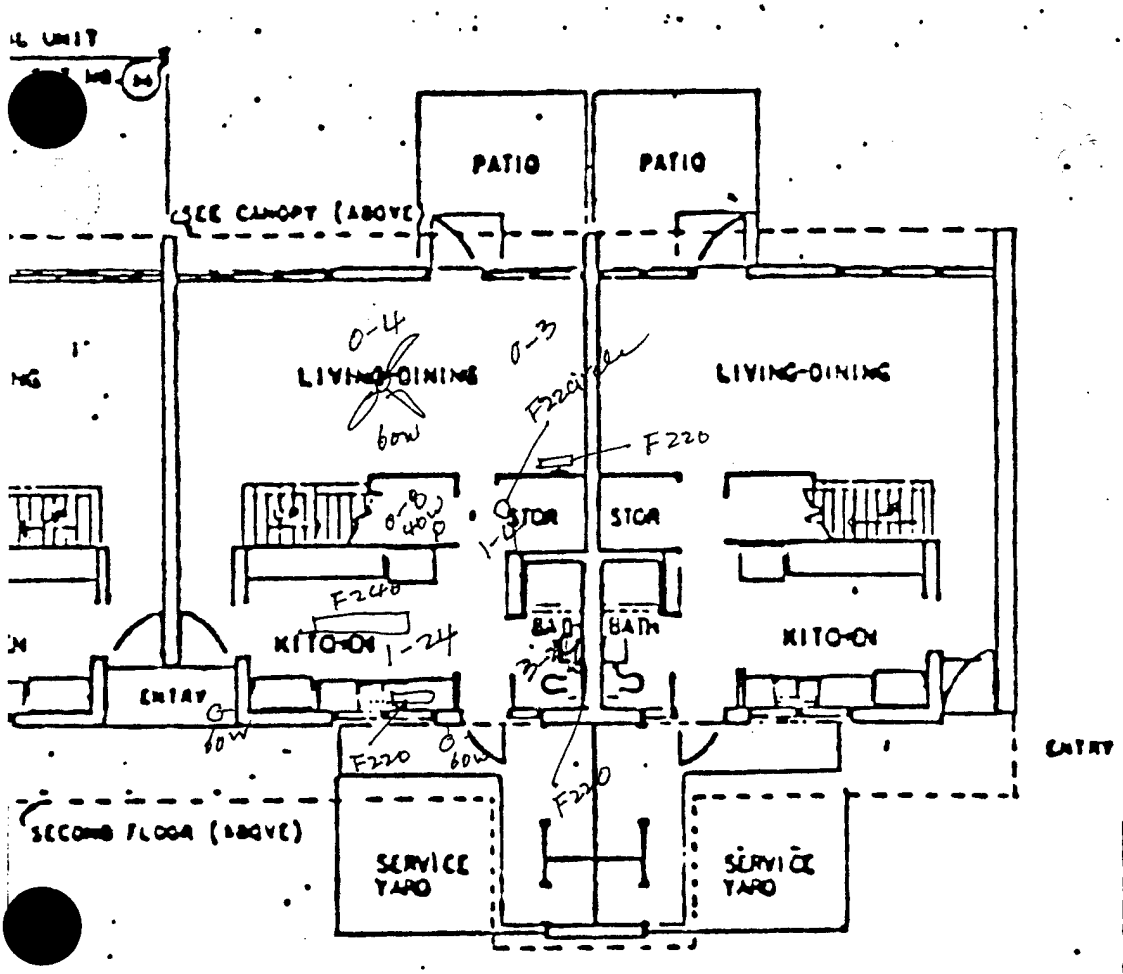
AREA K-1 3922, 3933, 3936, 3939
SEE SITE PLAN SHEET 67 FOR LOCATION

AREA T 8250, 8250
SEE SITE PLAN SHEET 68 FOR LOCATION

AREA V 1302, 1303, 1306, 1313, 1318, 1321, 1331, 1341, 1356
SEE SITE PLAN SHEET 69 FOR LOCATION

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CARPORT HOUSING SCHOFIELD 1950 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
25 | 23 | 67 SHT. 22





3922 ABCD
3933 ABCD
3936 ABCD
3939 ABCD

Type 60-II

BUILDING NUMBERS

AREA K-1	3922, 3933,	
	SEE SITE PLAN S-	
AREA T	4240, 4250	
	SEE SITE PLAN S-	
AREA V	1302, 1303, 1318, 1321, 1356	
	SEE SITE PLAN S-	

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDI
CAPEHART HOUSING SCHOFIELD FIRST AND SECOND FLOOR PL
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER DIVISION CORPS OF ENGINE

UNIT TYPE 60-III

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3918

Building Type: 60-111

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 5pm

No. of Occupants: 4

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 8

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 57-III

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

3.0 HOT WATER SYSTEM

same as #7-11(

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

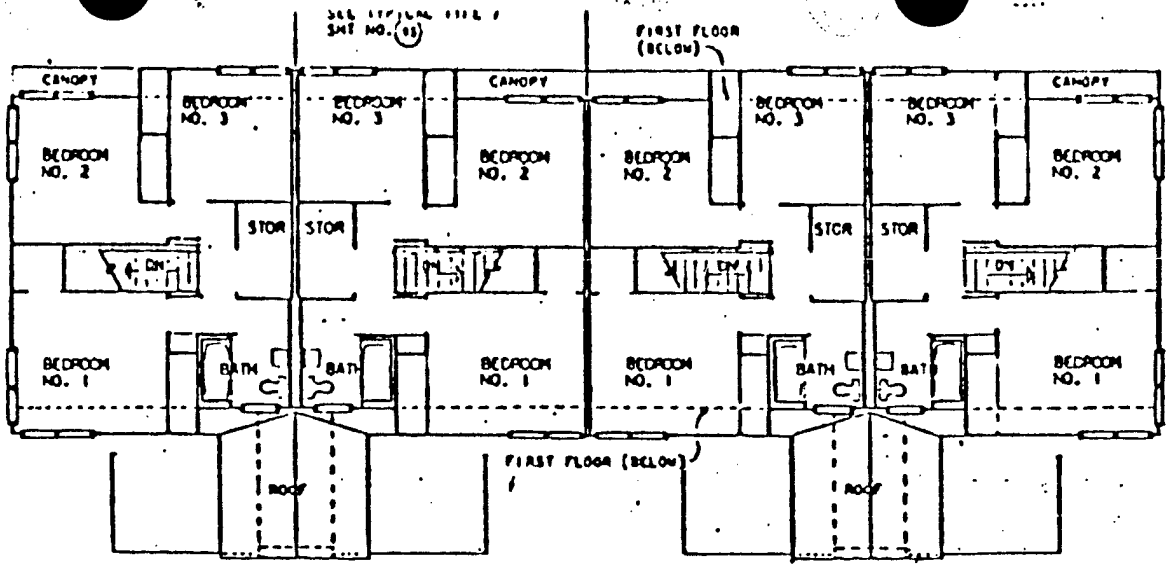
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

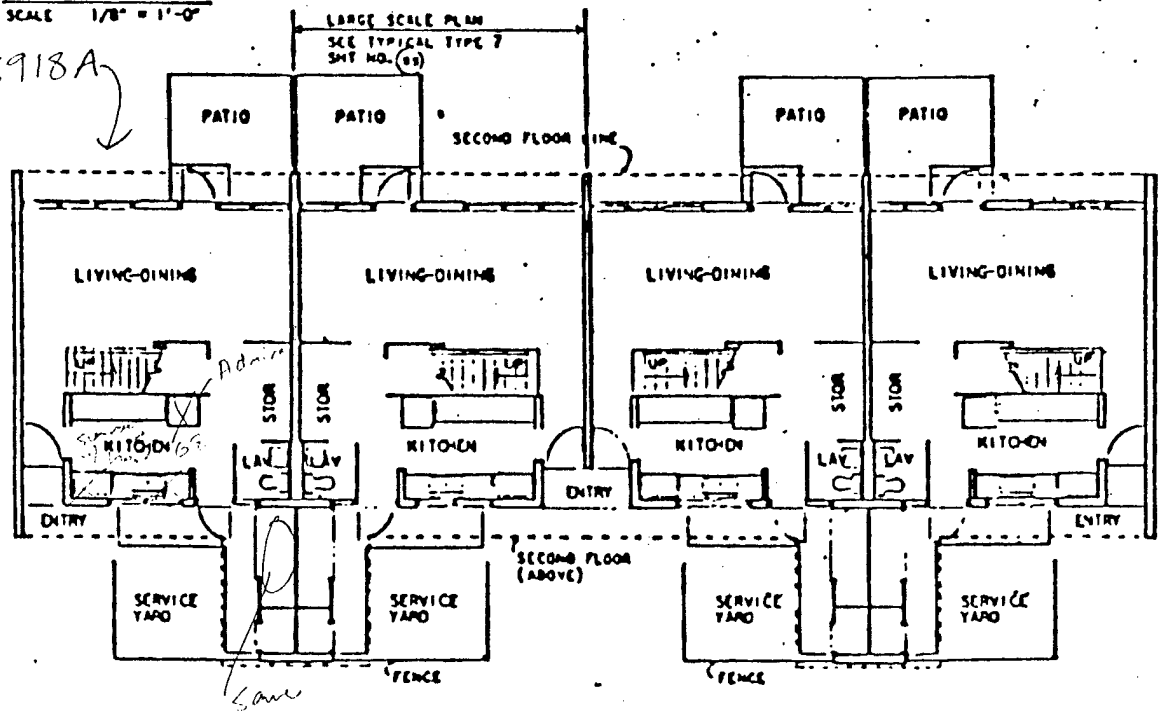
Fixture	Flow	Water Temp.	Remarks
Kit Sk	2ℓ/10S	102	during wash
Shwr (4)	1ℓ/10S	102	



SECOND FLOOR PLAN

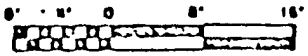
SCALE 1/8" = 1'-0"

3918A



FIRST FLOOR PLAN

SCALE 1/8" = 1'-0"



GRAPHIC SCALE 1/8" = 1'-0"

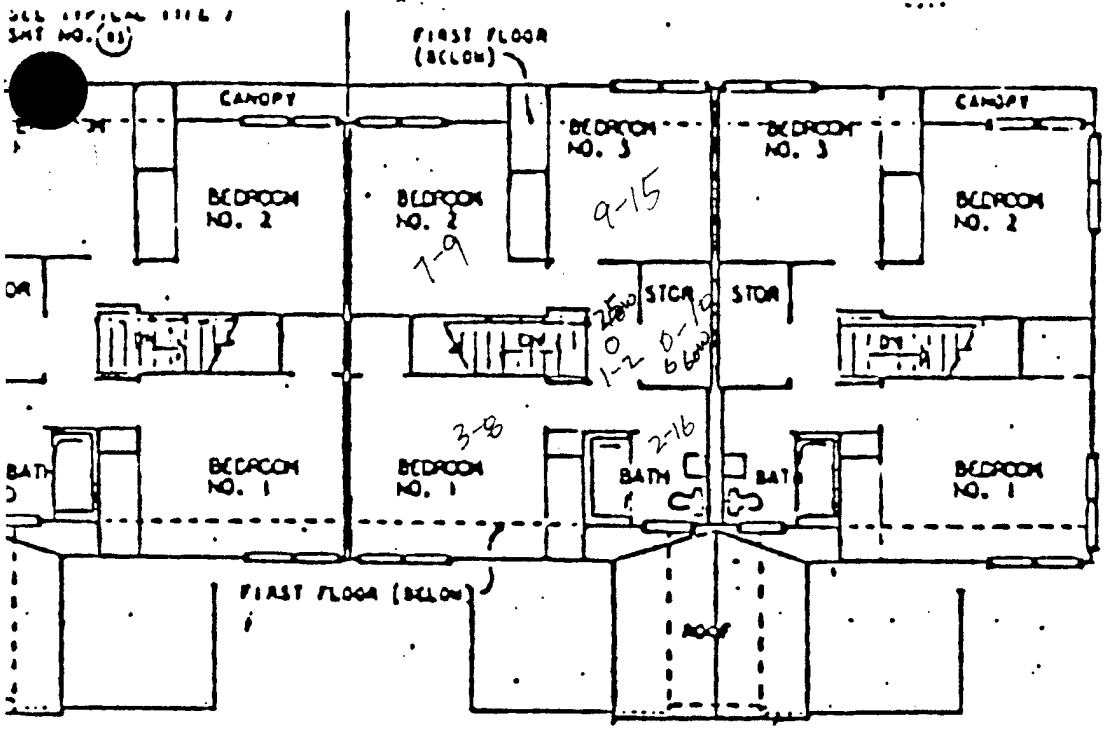
Type 60-III

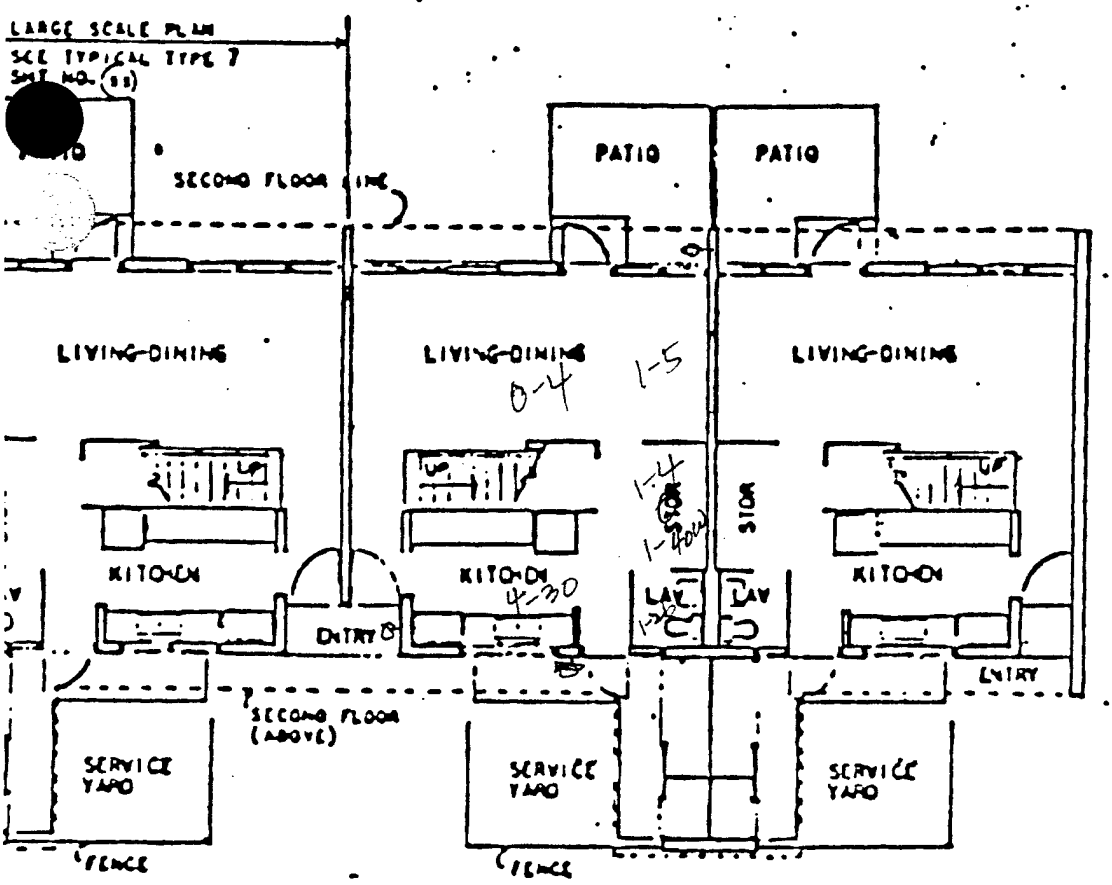
BUILDING NUMBERS

AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3949	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4254		
AREA V	1304,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1329
	1325,	1326,	1327,	1328,	1332
	1333,	1334,	1336,	1337,	1342
	1344,	1345,	1346,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CARPORT HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE 1					
SCHOFIELD BARRACKS OAHU, HAWAII					
U. S. ARMY ENGINEER, DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8499		25	23	07	SHT. 39





Type 60-I

BUILDING NUMBERS

AREA K-1	3918,	391
	3923,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	130
	1311,	131
	1317,	131
	1325,	132
	1333,	133
	1344,	134
	1351,	135
	1362,	136
	1372	

SEE SITE PLAN FOR LOCATION

TYPE 60-II

3918 (A) BCD
3919 ABCD
3920 ABCD
3921 ABCD

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVIS	
FAMILY H BLOCKTAFF DATA FOR AIR (	
CAPEHART HOUSING SCH FIRST AND SECOND FLO	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER, D CORPS OF HONOLULU	
LOC. CODE 8299	25

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3919

Building Type: 60-111

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: 2

Remarks: _____

2.0 ARCHITECTURAL

Construction

Same as 57-III

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted /

Reflective Coating

same as 57-III

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

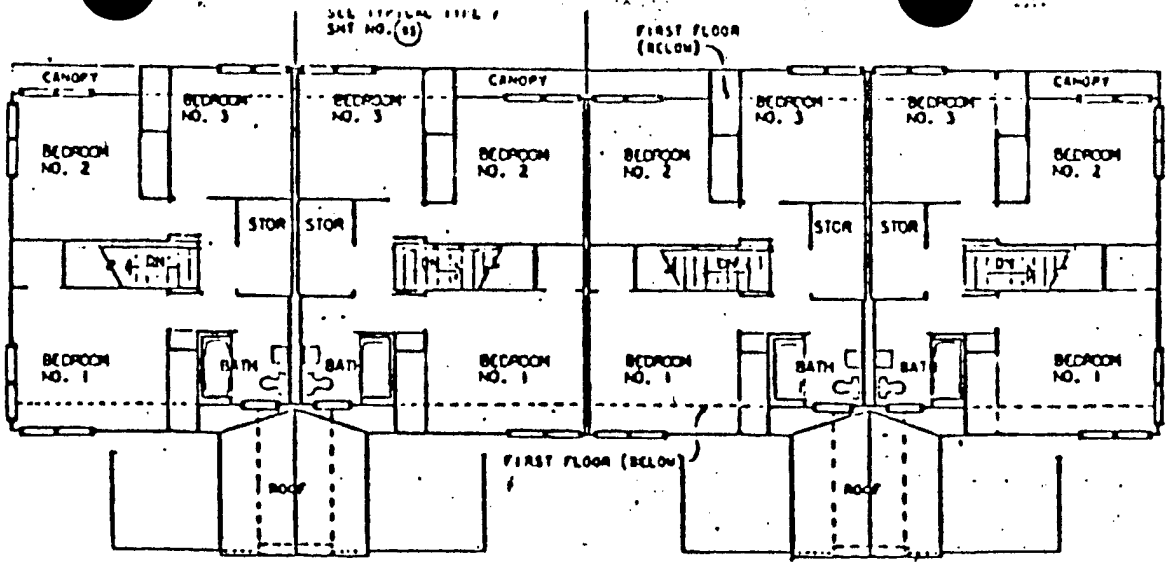
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Callons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

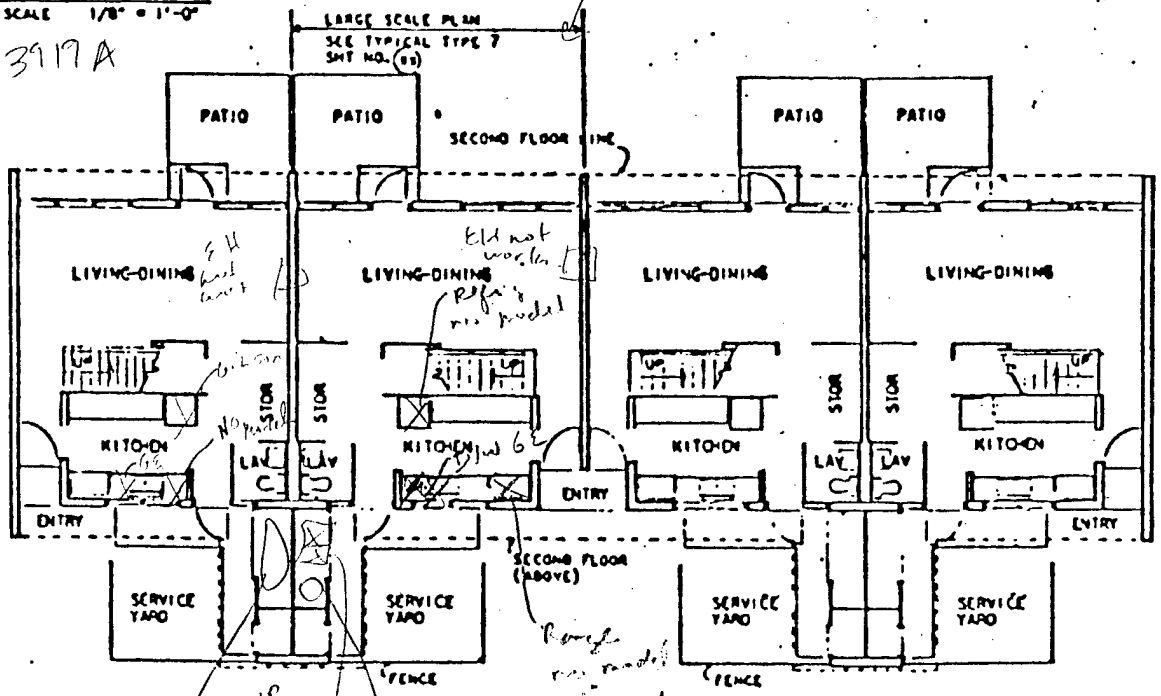
Fixture	Flow	Water Temp.	Remarks
Kit Sk	2l/10s	104F	Doing Wash



3919B

SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3919A



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

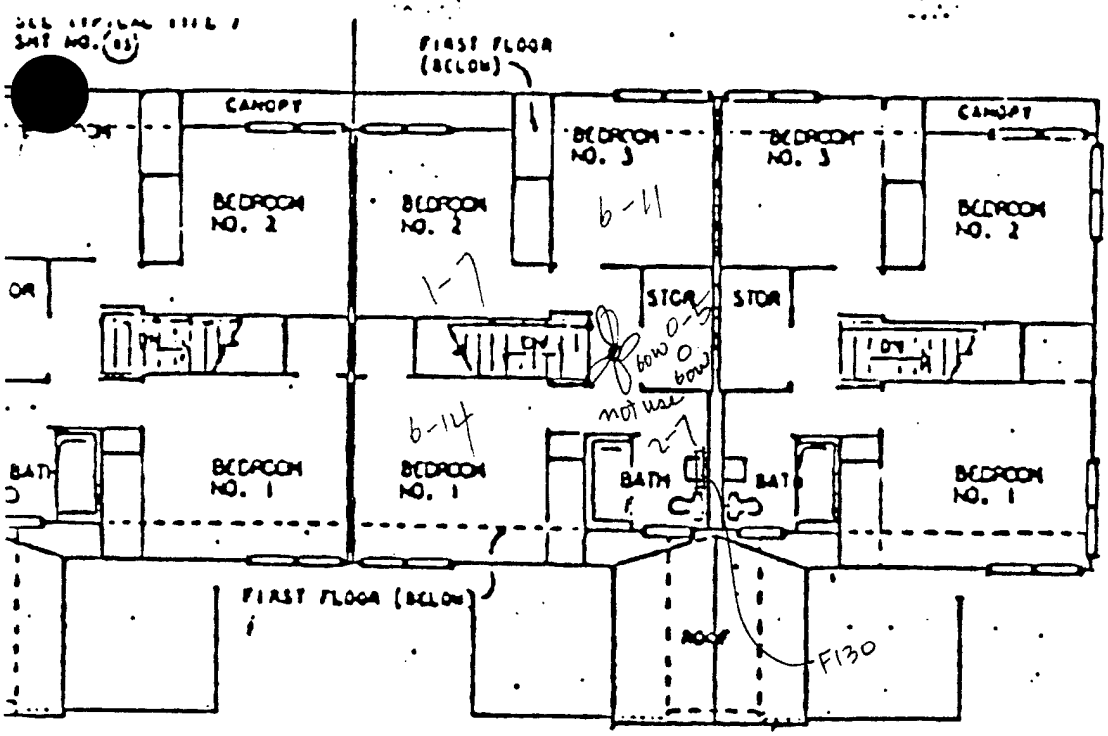
Type 60-III

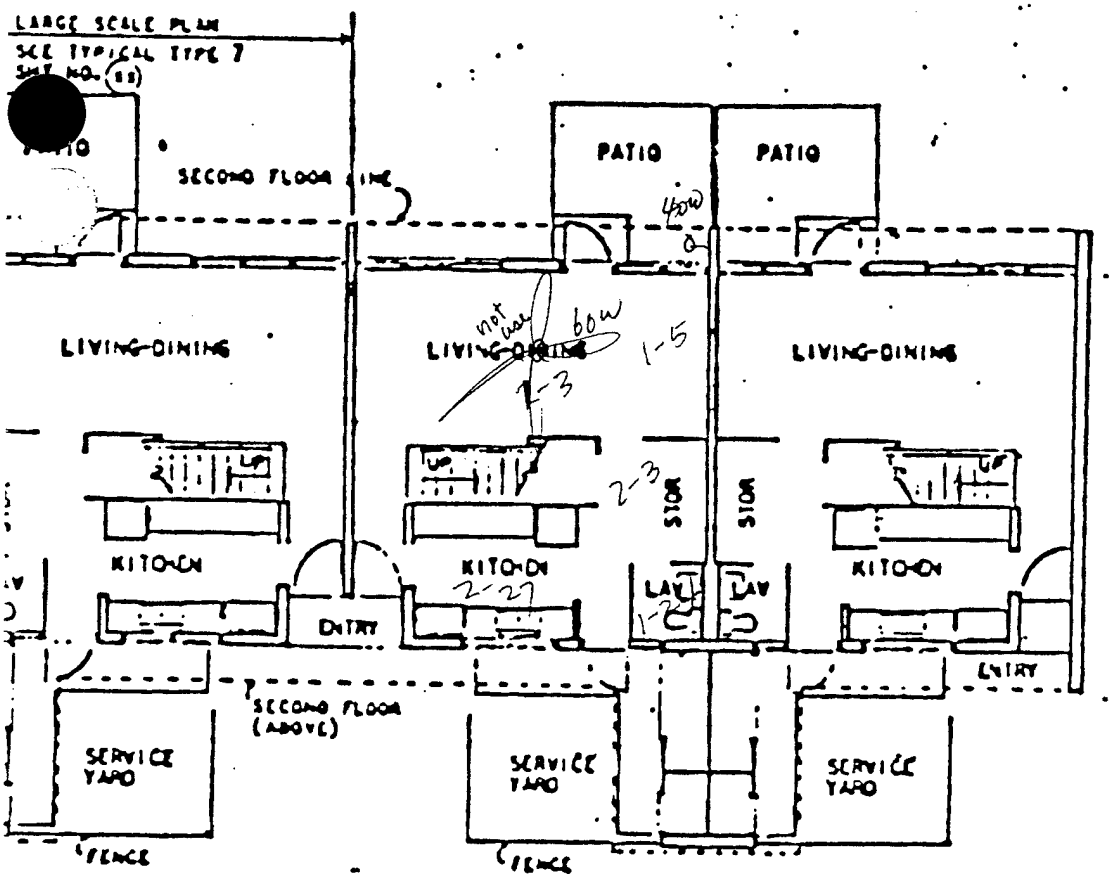
BUILDING NUMBERS

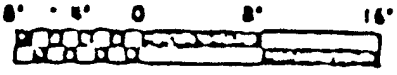
AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3945	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4250		
AREA V	1306,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1324
	1325,	1326,	1327,	1328,	1332
	1333,	1334,	1336,	1337,	1342
	1344,	1345,	1346,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69) FOR LOCATION

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE J					
SCHOFIELD BARRACKS OAHU, HAWAII					
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8299		25	23	09	SHT. 33







Type 60-I

BUILDING NUMBERS

AREA K-1	3918,	391
	3925,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	130
	1311,	131
	1317,	131
	1325,	132
	1333,	133
	1340,	134
	1351,	135
	1362,	136
	1372	

SEE SITE PL
FOR LOCATIO

TYPE 60-II

3918 ABCD
3919 ABCD
3920 ABCD
3921 ABCD

REVIS		
FAMILY H BLOCKTAIT DATA FOR AIR		
CAPEHART HOUSING SCH FIRST AND SECOND FL		
SCHOFIELD BARRACKS		
U. S. ARMY ENGINEER, DI CORPS OF HONOLULU		
LOC. CODE 8298		25

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3919

Building Type: 60 - 111

Apartment: B

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: all

No. of Occupants: 4

Average No. of Showers/Day: 5

Average No. of Laundry Loads/Week: 9

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL Same as 60-I

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted ✓

Reflective Coating

same as 60-II

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

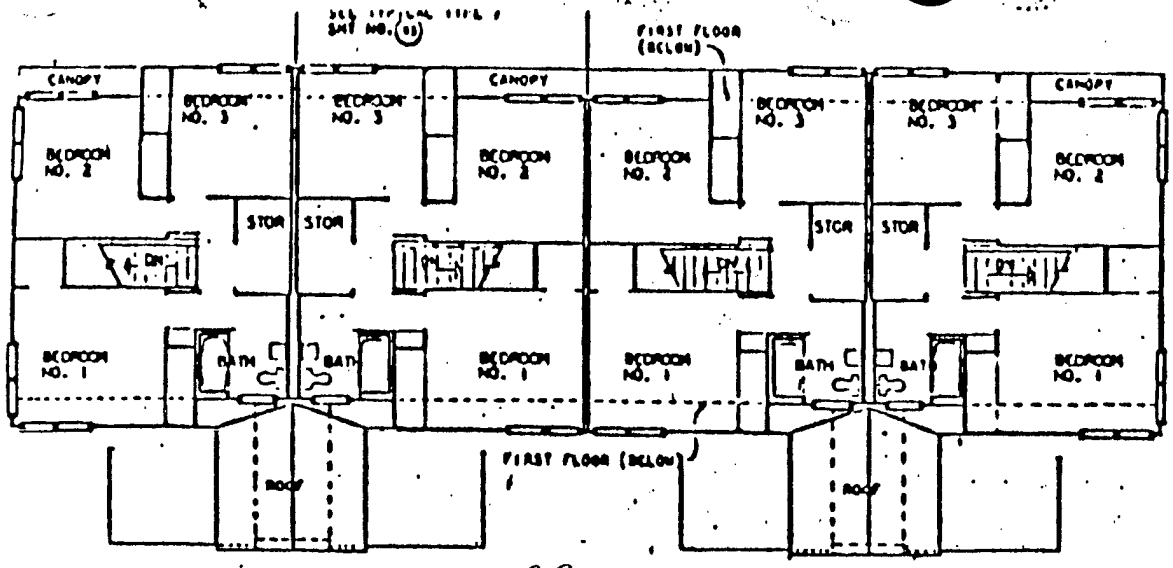
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Callons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

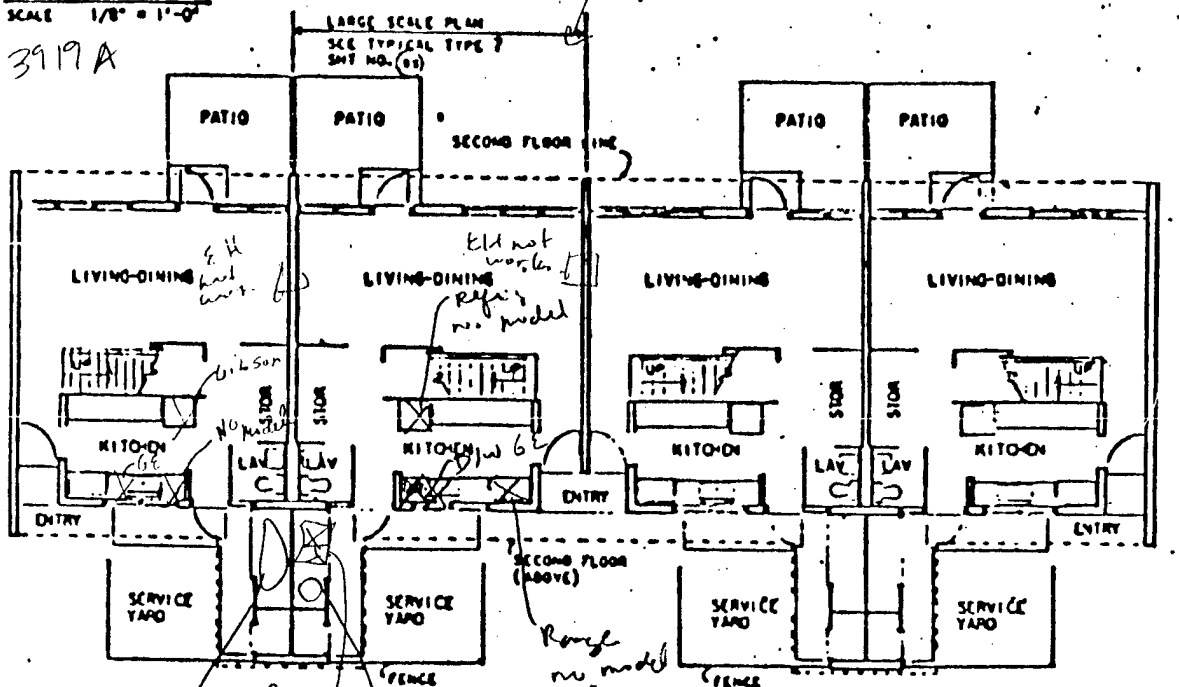
Fixture	Flow	Water Temp.	Remarks
Kit Sk	1.5l/10s	122F	
Shwr (4p)	1l/10s	120F	Shower Massage Head



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3919B

3919A



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



GRAPHIC SCALE 1/8" = 1'-0"

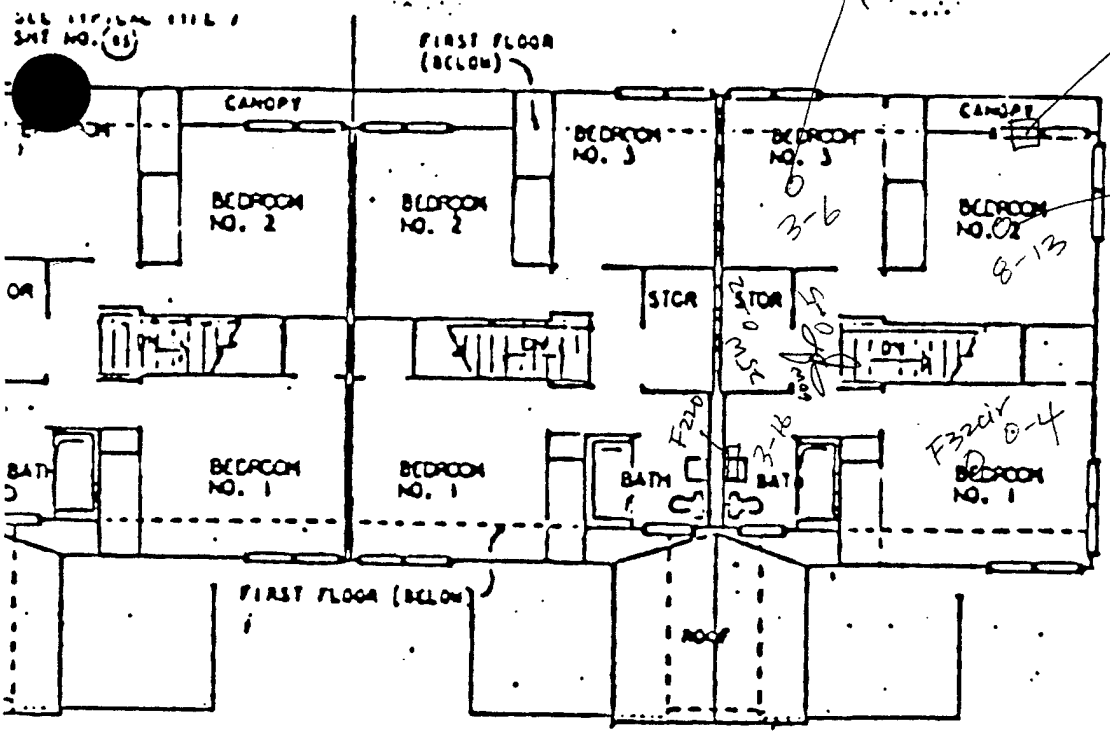
Type 60-III

BUILDING NUMBERS

AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3944	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4254		
AREA V	1304,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1324
	1325,	1326,	1327,	1329,	1332
	1333,	1334,	1336,	1337,	1342
	1345,	1349,	1348,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69) FOR LOCATION

REVISIONS
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE 1
SCHOFIELD BARRACKS OAHU, HAWAII
U. S. ARMY ENGINEER, DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII
LOC. CODE 8490 | 25 | 23 | 07 | SHT. 08



F32air

A/C Airtemp

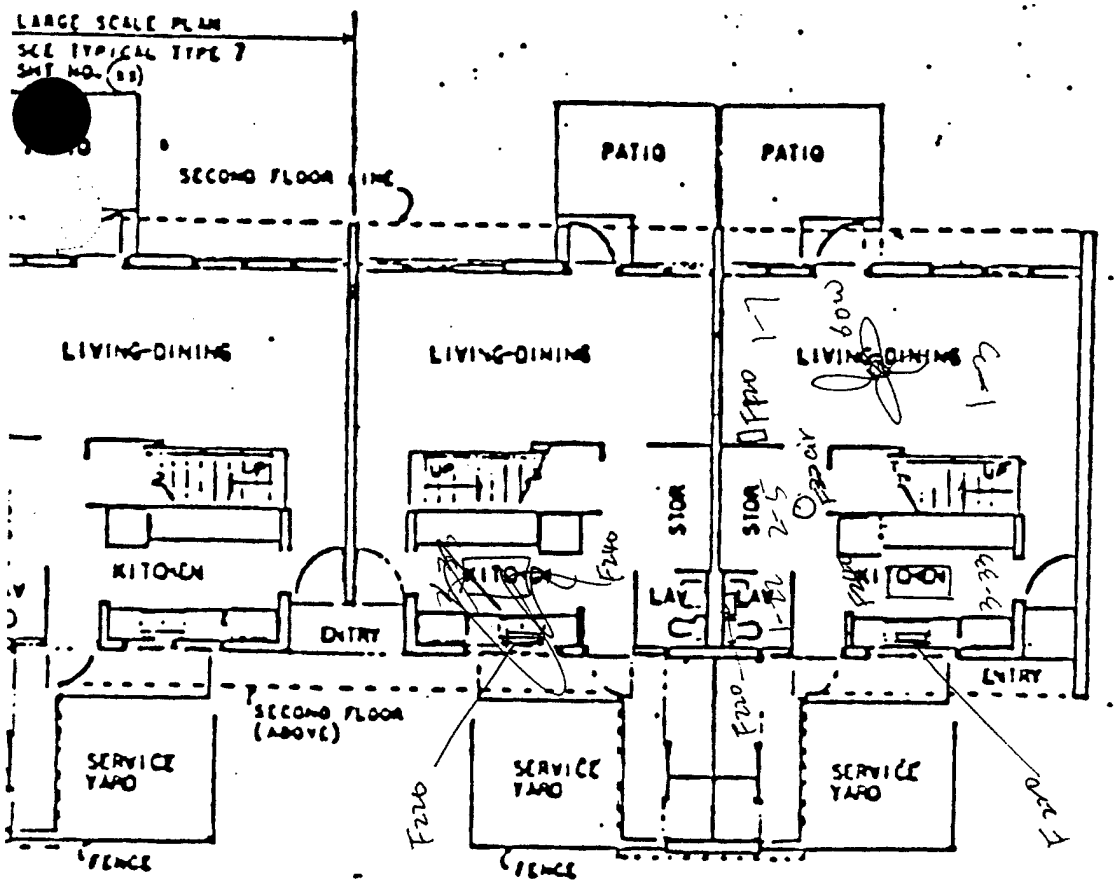
F32air

Type 60-I

BUILDING NUMBERS

AREA X-1	3918,	391
	3923,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	1305
	1311,	1312
	1317,	1319
	1325,	1326
	1333,	1334
	1340,	1343
	1351,	1352
	1362,	1364
	1372	

SEE SITE PLA FOR LOCATION



TYPE 60-II

3918 ABCD
3919 ABCD
3920 ABCD
3921 ABCD

8' 4' 0 8' 16'

GRAPHIC SCALE 1/8" = 1'-0"

REVIS	
FAMILY H BLOCKTAIT DATA FOR AIR C	
CAPEHART HOUSING SCHO FIRST AND SECOND FLOO	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER, DI CORPS OF E HONOLULU,	
LOC. CODE 8299	23

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3920

Building Type: 100-111

Apartment: A

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 2

Average No. of Showers/Day: 3

Average No. of Laundry Loads/Week: 7

Average No. of Times Dishwasher Used/Day: Not used

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Same as 5-[illegible] 6.0-I

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No

Tinted Yes ✓ No

Reflective Coating Yes ✓ No

same as Co-II

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

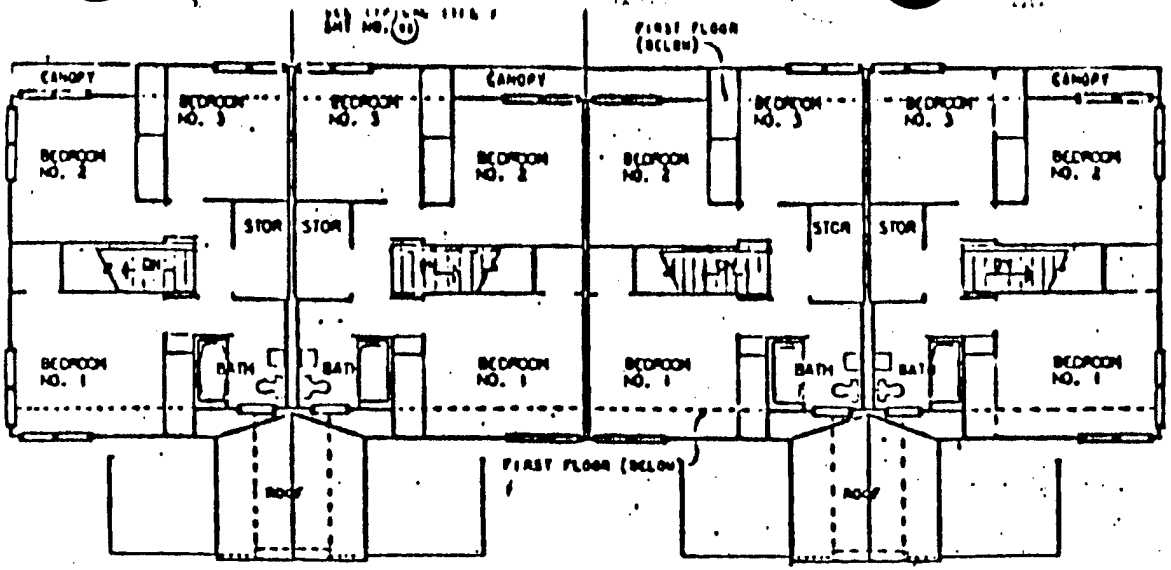
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
K.f SL	1.2/105	118	

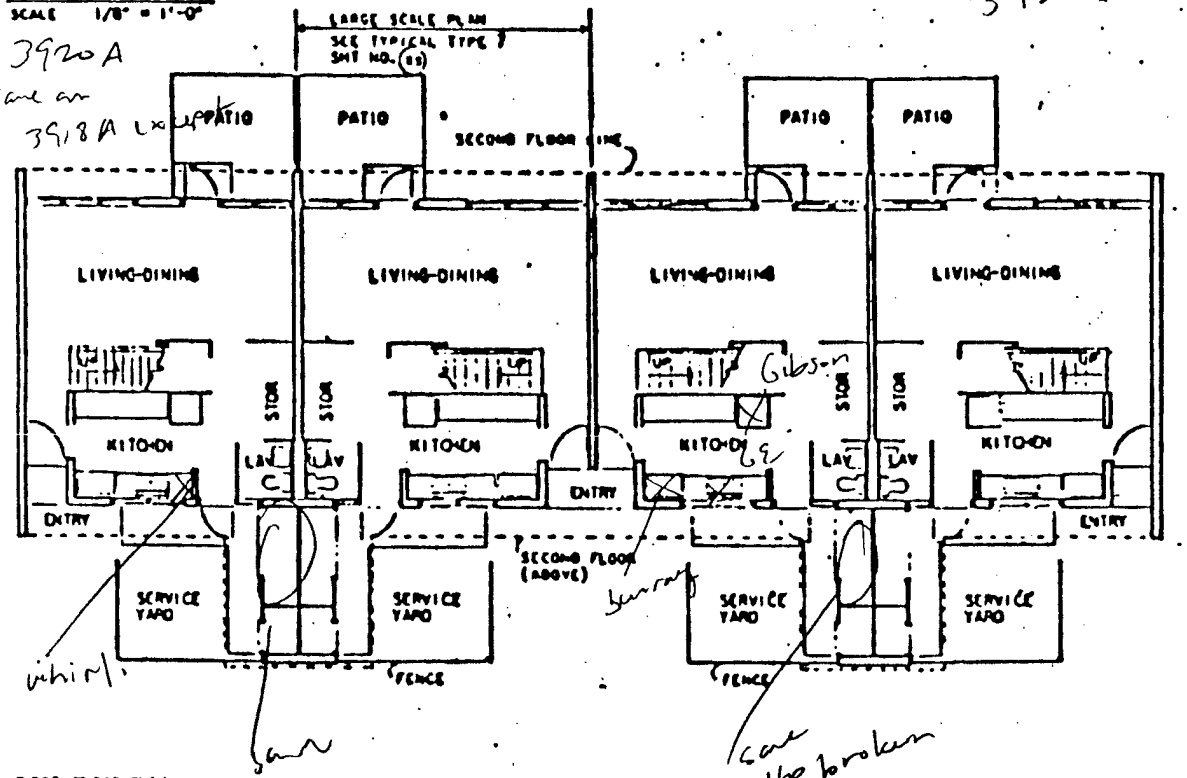


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3920A

Same as 3918A Lx

3920D



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

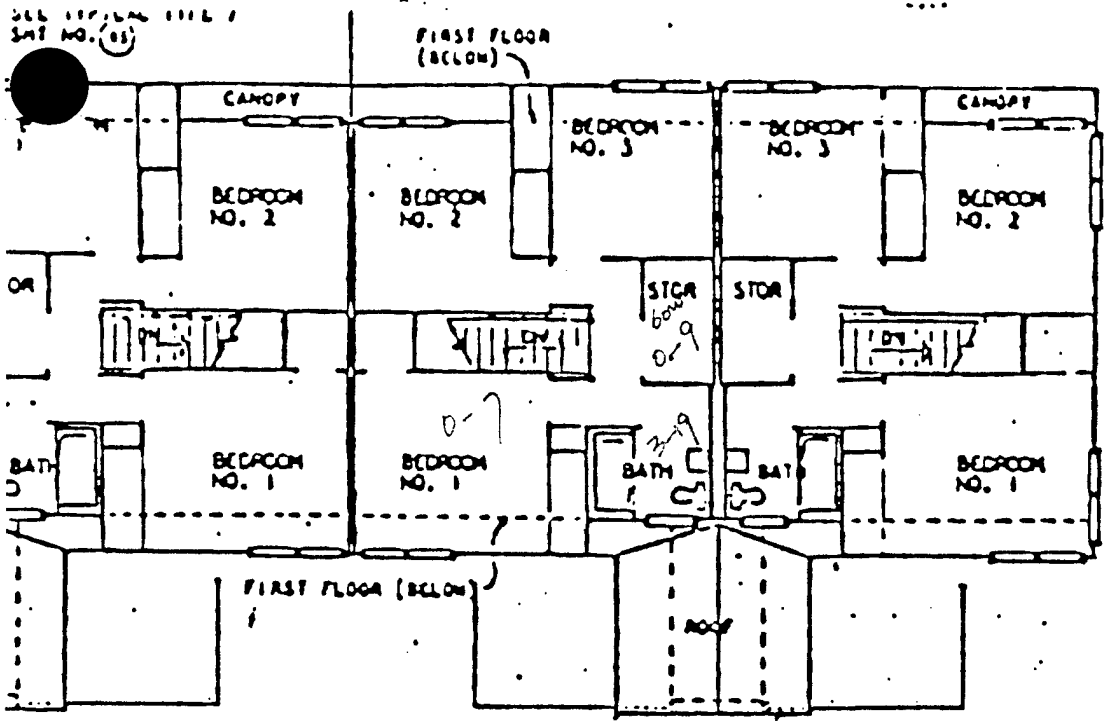
Type 60-III

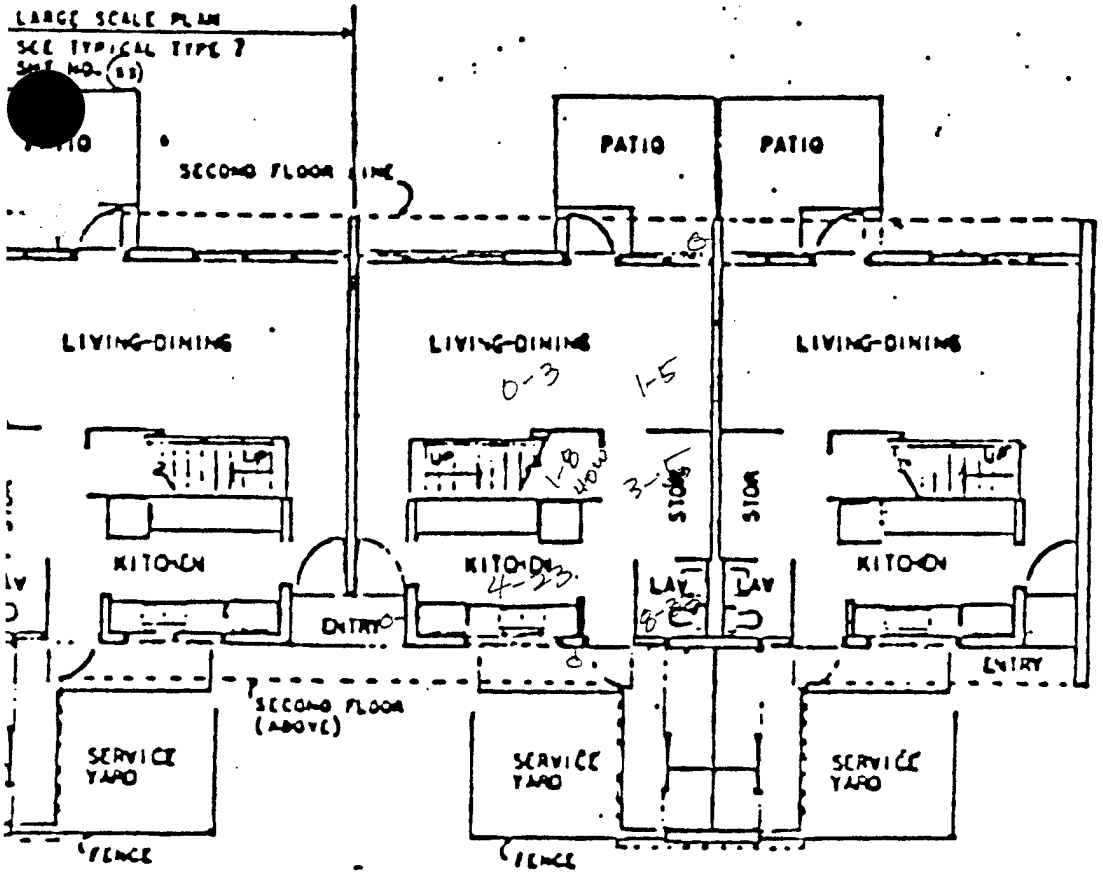
BUILDING NUMBERS

AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3948	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4254		
AREA V	1304,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1329
	1329,	1326,	1327,	1329,	1332
	1333,	1334,	1338,	1337,	1342
	1348,	1345,	1346,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69) FOR LOCATION

REVISIONS				
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS				
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE 1				
SCHOFIELD BARRACKS				OAHU, HAWAII
U. S. ARMY ENGINEER, DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII				
LOC. CODE 8490		75	23	07 SHT. 68





Type 60-I

BUILDING NUMBERS

AREA K-1	3918,	391
	3925,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	130
	1311,	131
	1317,	131
	1325,	132
	1333,	133
	1340,	134
	1351,	135
	1362,	136
	1372	

SEE SITE PL
FOR LOCATIO

TYPE 60-II

3918 ABCD
3919 ABCD
3920 ABCD
3921 ABCD

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

	ACTIV
FAMILY H BLOCKWAY DATA FOR AIR	
CAPEHART HOUSING SCH FIRST AND SECOND FLO	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER, D CORPS OF HONOLULU	
LOC. CODE 8398	25

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3920

Building Type: 60-111

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Same as CO-II

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes ✓ No ____

Tinted ____ ✓

Reflective Coating ____

3.0 HOT WATER SYSTEM

same as 60-II

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

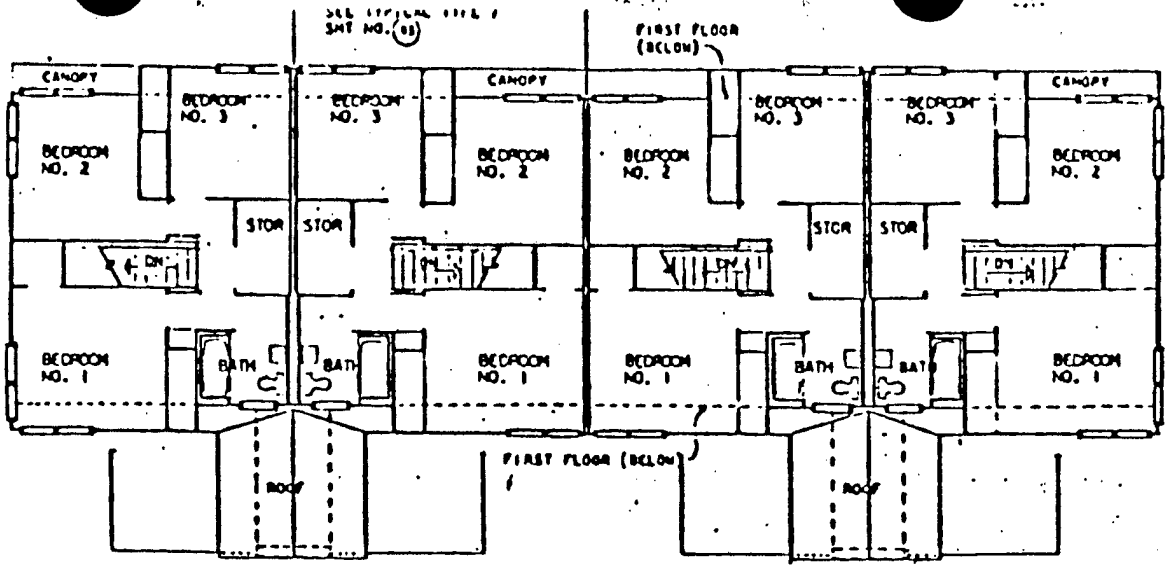
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
kitsk	1.5ℓ/10s	138	

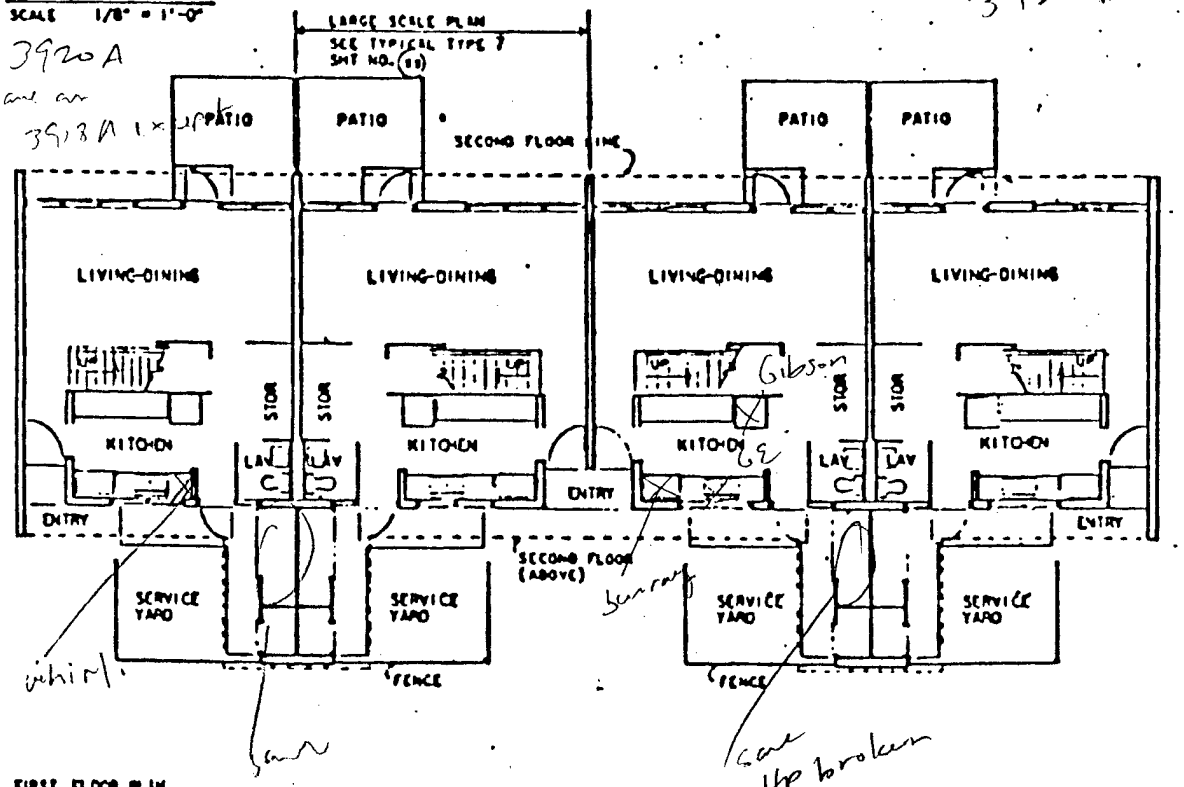


SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

3920A

Same as 3918A Reversed

3920D



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

GRAPHIC SCALE 1/8" = 1'-0"

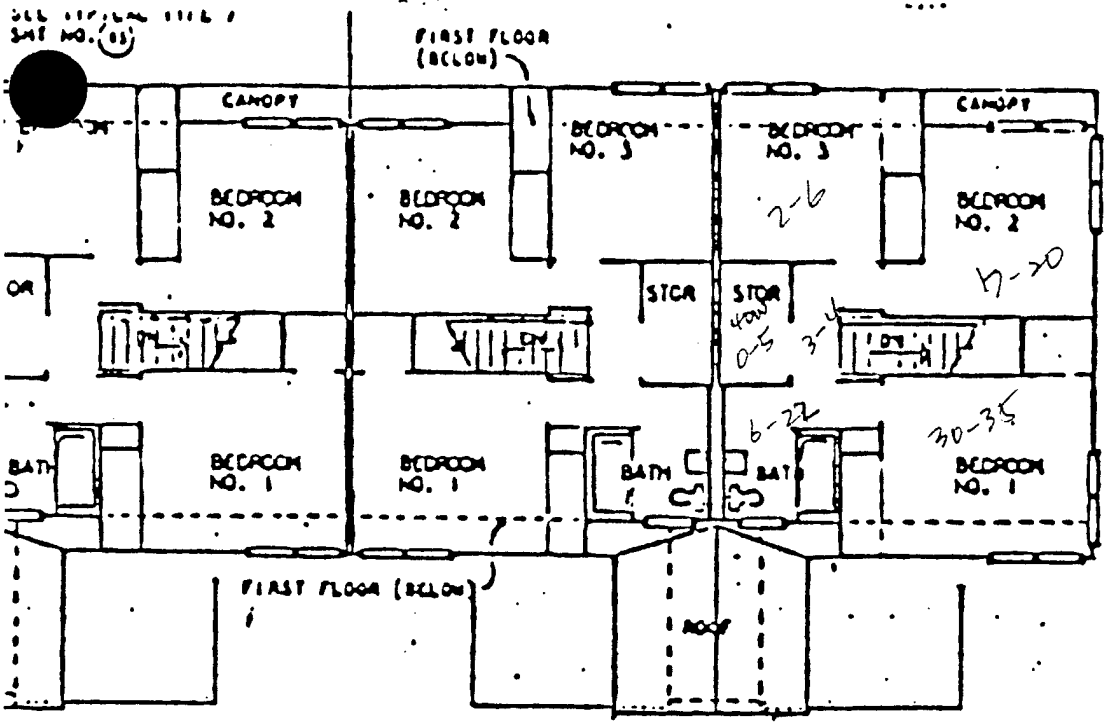
Type 60-III

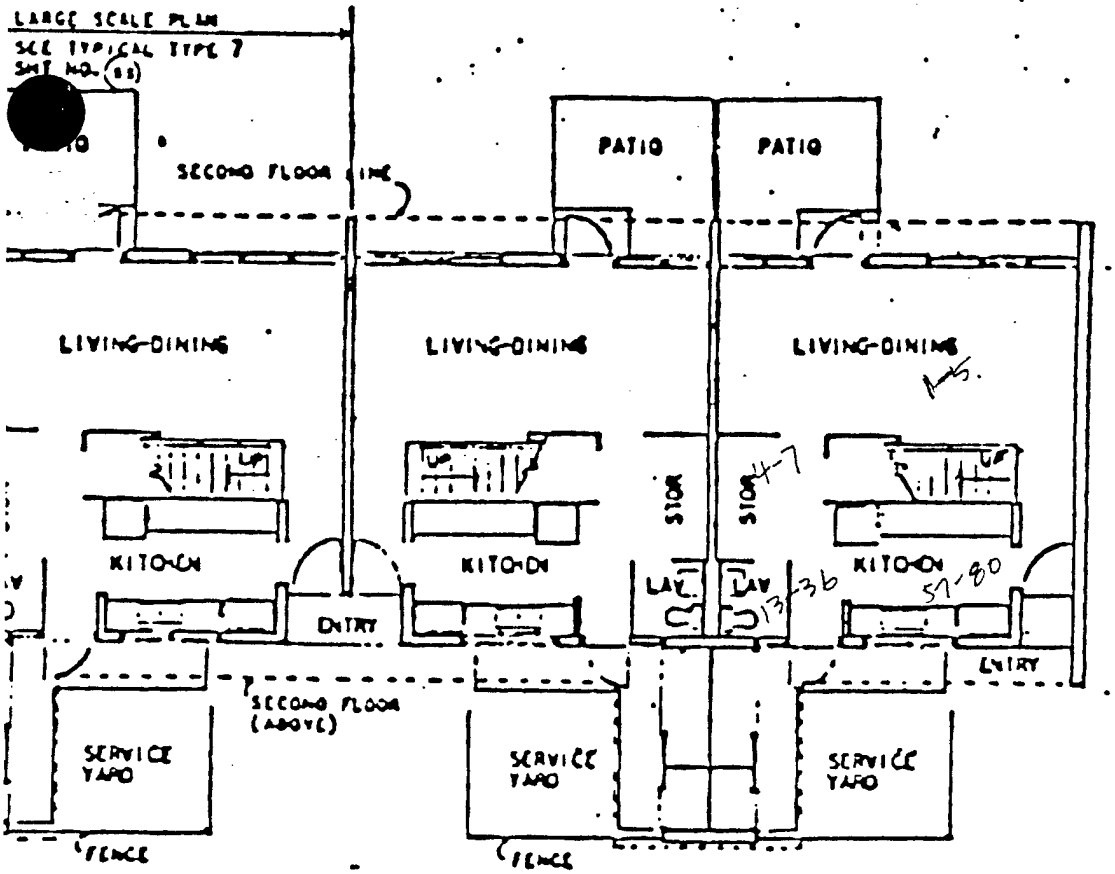
BUILDING NUMBERS

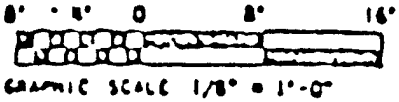
AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3949	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4254		
AREA V	1304,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1324
	1325,	1326,	1327,	1329,	1332
	1333,	1334,	1336,	1337,	1342
	1348,	1349,	1348,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69)
FOR LOCATION

REVISIONS	
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS	
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE 3	
SCHOFIELD BARRACKS	OAHU, HAWAII
U. S. ARMY ENGINEER, DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII	
LOC. CODE 8499	PS 33 DF DWG. 38







Type 60-I

BUILDING NUMBERS

AREA K-1	3918,	391
	3925,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	130
	1311,	131
	1317,	131
	1325,	132
	1333,	133
	1341,	134
	1351,	135
	1362,	136
	1372	

SEE SITE PLA FOR LOCATIO

TYPE 60-II

3918 ABCD
3919 ABCD
3920 ABCD
3921 ABCD

REVIS	
FAMILY H BLOCKTAIT DATA FOR AIR C	
CLEMENT HOUSING SCH FIRST AND SECOND FLO	
SCHOFIELD BARRACKS	
U. S. ARMY ENGINEER, DI CORPS OF E HONOLULU	
LOC. CODE 8298	25

Date: _____
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 3921

Building Type: 60-111

Apartment: D

No. Bedrooms: 3

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: _____

No. of Occupants: 4

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 9

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

same as Co.-II

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	✓
Reflective Coating		

same as G.-II..

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

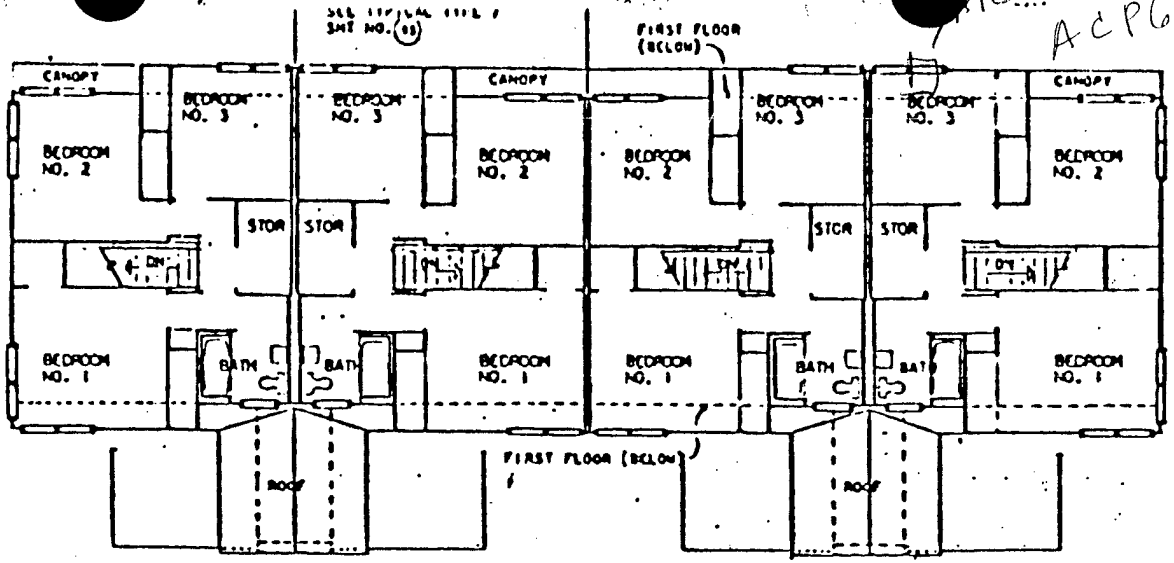
b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

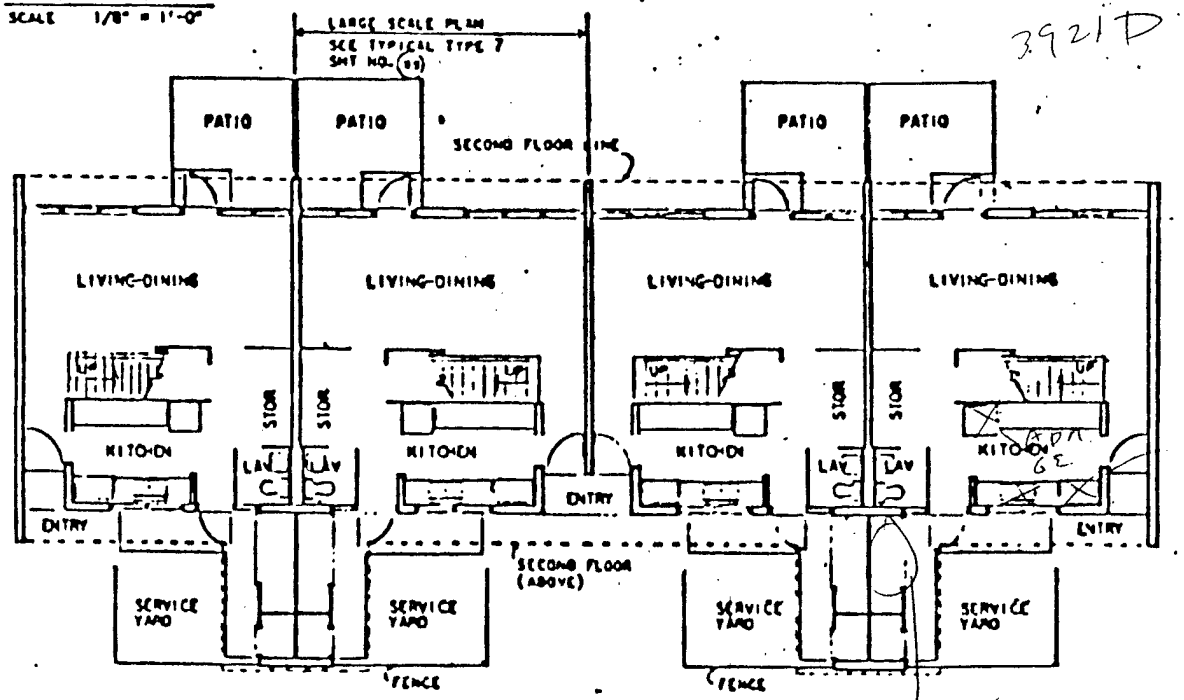
3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk	2.2/105	117	

McWhirter
ACP602XP
6,000 BTUH
EER: 8.7



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

3921D

whirl

Type 60-III

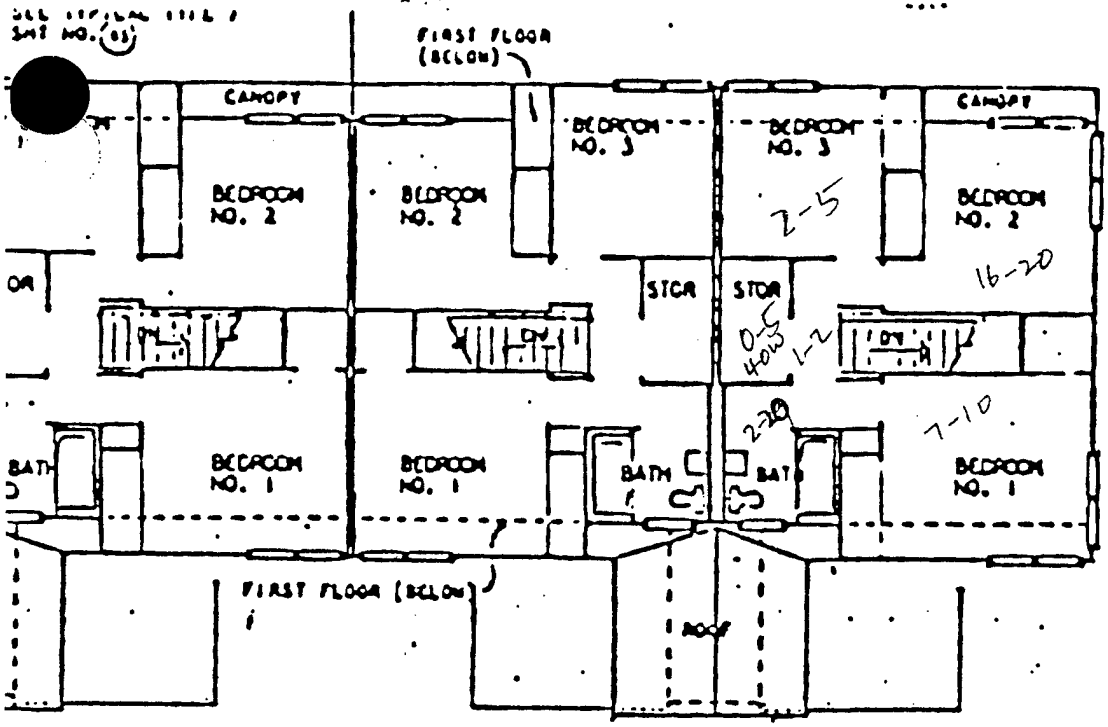
BUILDING NUMBERS

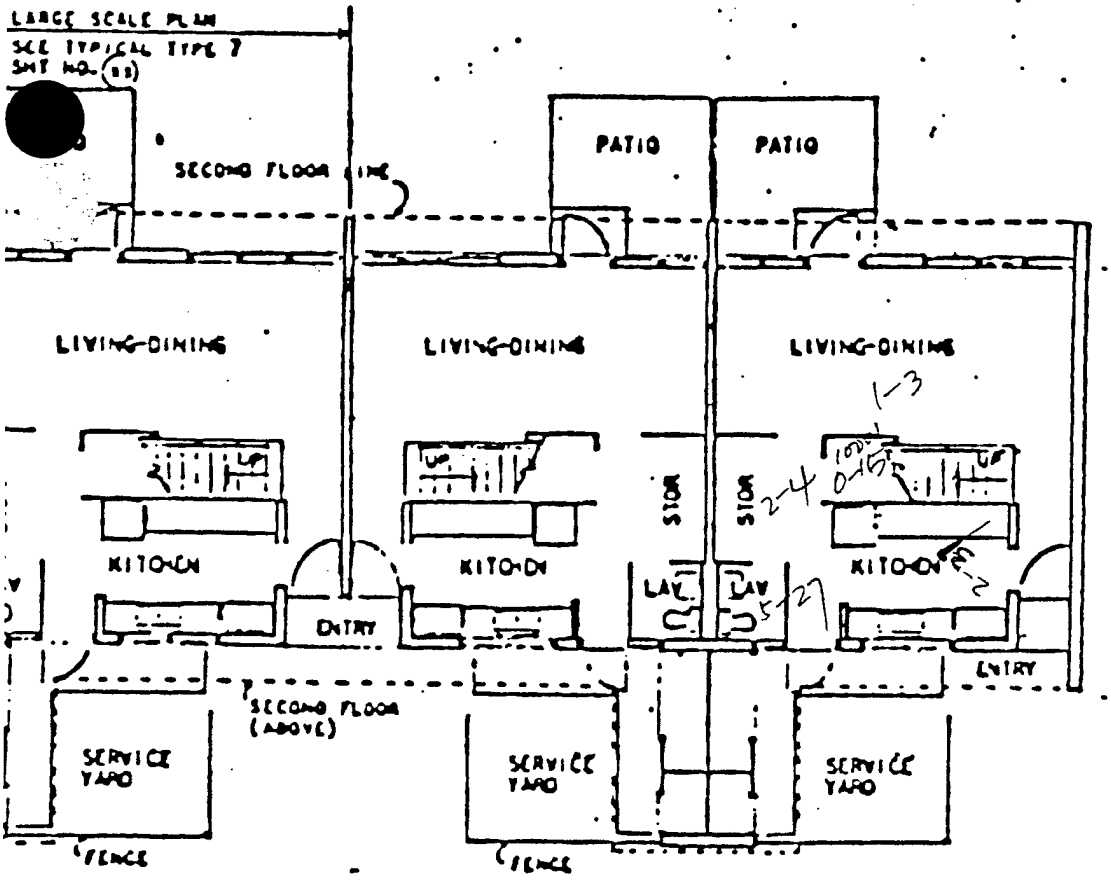
AREA K-1	3918,	3919,	3920,	3921,	3923
	3925,	3926,	3927,	3928,	3929
	3930,	3931,	3932,	3937,	3938
	3940,	3942,	3943,	3945	
AREA T	4234,	4236,	4238,	4242,	4244
	4246,	4248,	4254		
AREA V	1304,	1305,	1307,	1308,	1309
	1311,	1312,	1314,	1315,	1316
	1317,	1319,	1320,	1322,	1324
	1325,	1326,	1327,	1328,	1332
	1333,	1334,	1336,	1337,	1342
	1344,	1345,	1348,	1348,	1349
	1351,	1352,	1354,	1358,	1360
	1362,	1364,	1366,	1368,	1370
	1372				

SEE SITE PLAN SHEETS (67) (68) (69) FOR LOCATION

GRAPHIC SCALE 1/8" = 1'-0"

REVISIONS					
FAMILY HOUSING BUDGETARY DATA FOR AIR CONDITIONING PROJECTS					
CAPEHART HOUSING SCHOFIELD 1960 AREAS K-1, T, V FIRST AND SECOND FLOOR PLANS TYPE I					
SCHOFIELD BARRACKS					OAHU, HAWAII
U. S. ARMY ENGINEER DIVISION, PACIFIC OCEAN CORPS OF ENGINEERS HONOLULU, HAWAII					
LOC. CODE 8499		75	13	07	SHT. 18





Type 60-I

BUILDING NUMBERS

AREA K-1	3918,	391
	3925,	392
	3930,	393
	3940,	394
AREA T	4234,	423
	4246,	424
AREA V	1308,	1305
	1311,	1312
	1317,	1319
	1325,	1326
	1333,	1334
	1340,	1345
	1351,	1352
	1362,	1364
	1372	

SEE SITE PLA FOR LOCATION

TYPE 60-II

3918 ABCD
3919 ABCD
3920 ABCD
3921 ABCD

8' 4' 0 8' 16'
GRAPHIC SCALE 1/8" = 1'-0"

REVIS
FAMILY H
BLOCKTABY DATA FOR AIR C
CLOPHLET HOUSING SOC
FIRST AND SECOND FLO
SCHOFIELD BARRACKS
U. S. ARMY ENGINEER, DI
CORPS OF E
HONOLULU,
LOG. CODE 84799 | 25

UNIT TYPE 71-I

Date: 1/26/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 81

Building Type: 71-I

Apartment: A

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: from 5 pm

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 6

Average No. of Times Dishwasher Used/Day: every other day

Remarks: _____

2.0 ARCHITECTURAL

Construction

no crawl space under house

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Plaster Ceilg		
Plaster Wall		
Conc. Ext. Wall		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood Roof		
Asphalt Shingles		
Inside Film		

Total

U-Factor _____ Area

	Yes	No
Window		
Tinted	✓	
Reflective Coating		✓

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: 120 °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: Not visible portion
Insulation Thickness: _____

e. Is Hot Water Circulated? No

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location Laundry Room
b. Areas Served Entire Unit
c. Manufacturer and Model Hoyt Energy Master Model EES-1
d. Energy (Oil, Gas, Electric, Coal, Etc.) E
e. Type Heaters & Quantities:
1) Storage ✓
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity 116 gal.

g. Heating Capacity 2250 W
h. Type Controls (Air, Steam, Electric) E
i. When Installed & Condition good
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

see sketch

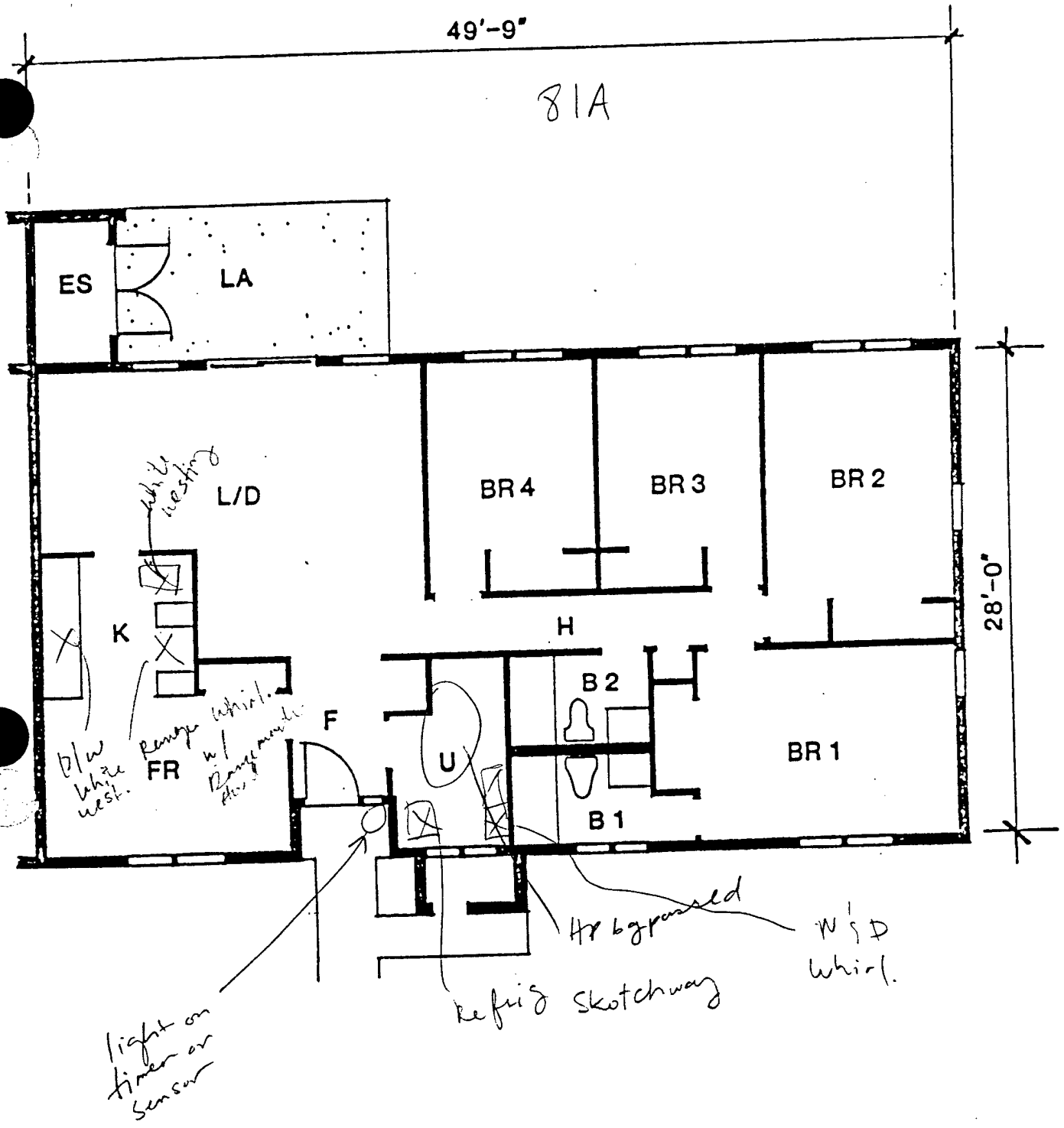
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kitsk	1l/10s	120	



FIRST FLOOR

Bldg 81, 83, 85

AREA: SCH-A

UNIT TYPE: FY71/IX

ADDRESS: _____

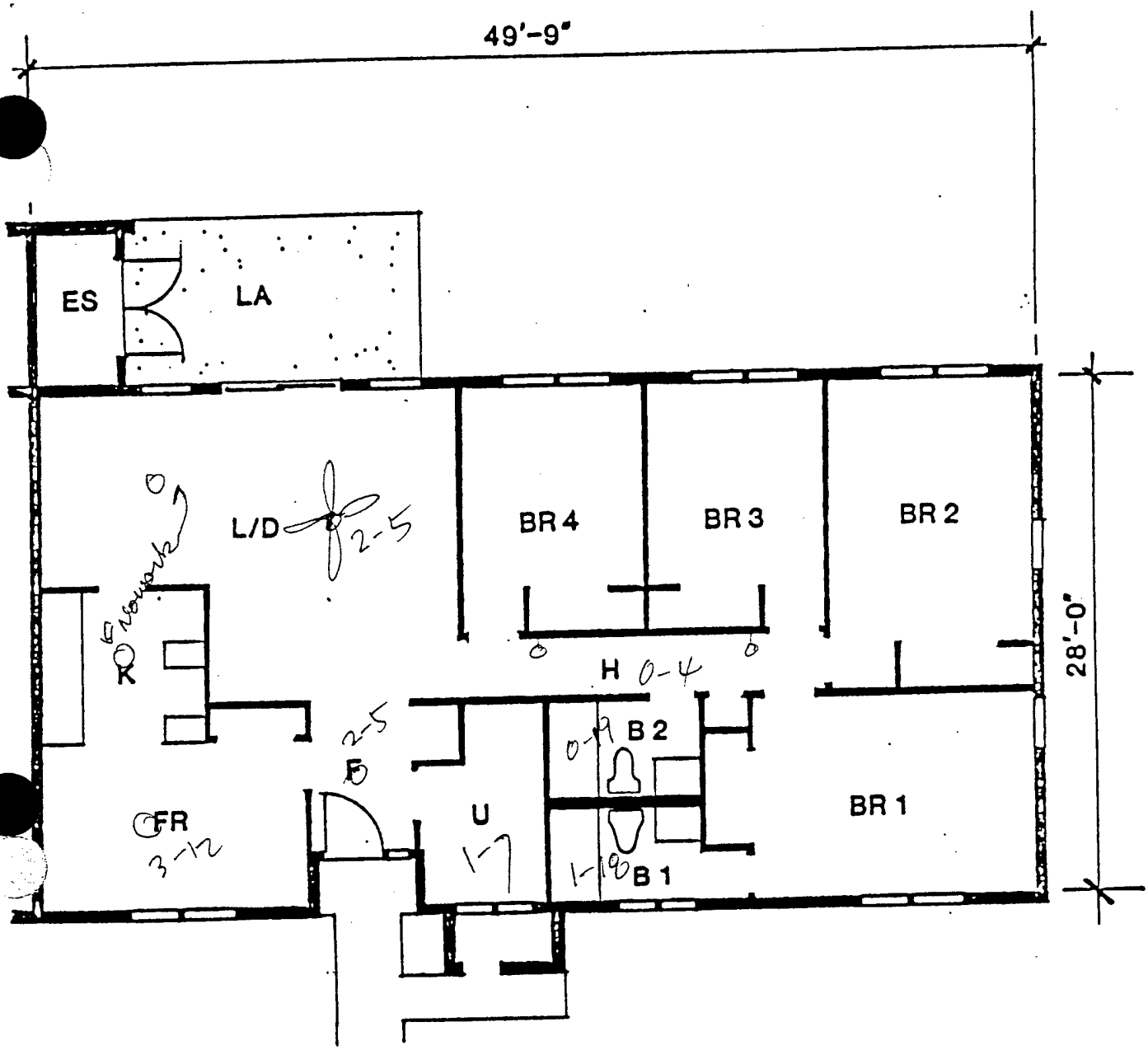
SURV: _____

DATE: _____

TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey



FIRST FLOOR

81A

Bldg 81, 83, 85

AREA: SCH-A

ADDRESS: _____

UNIT TYPE: FY71/IX

SURV: _____

DATE: _____

TIME IN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey

50

Date: 1/26/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 51

Building Type: 71-I

Apartment: B

No. Bedrooms: 4

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ALL DAY

No. of Occupants: 4

Average No. of Showers/Day: 1 per person or 2

Average No. of Laundry Loads/Week: 4

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Plaster Ceil'g		
Plaster Wall		
Conc. Ext. Wall		
Inside Film		
	Total	
U-Factor _____	Area	

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Wood Roof		
w/ Asphalt Shingles		
Inside Film		
	Total	
U-Factor _____	Area	

Window Yes ✓ No ____

Tinted ____ ✓

Reflective Coating ____

same as 81A

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

a. Is System Supported from (check one):

____ Central Plant ____ One System per Building

____ Several Small Systems per Building

✓ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____
_____
_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

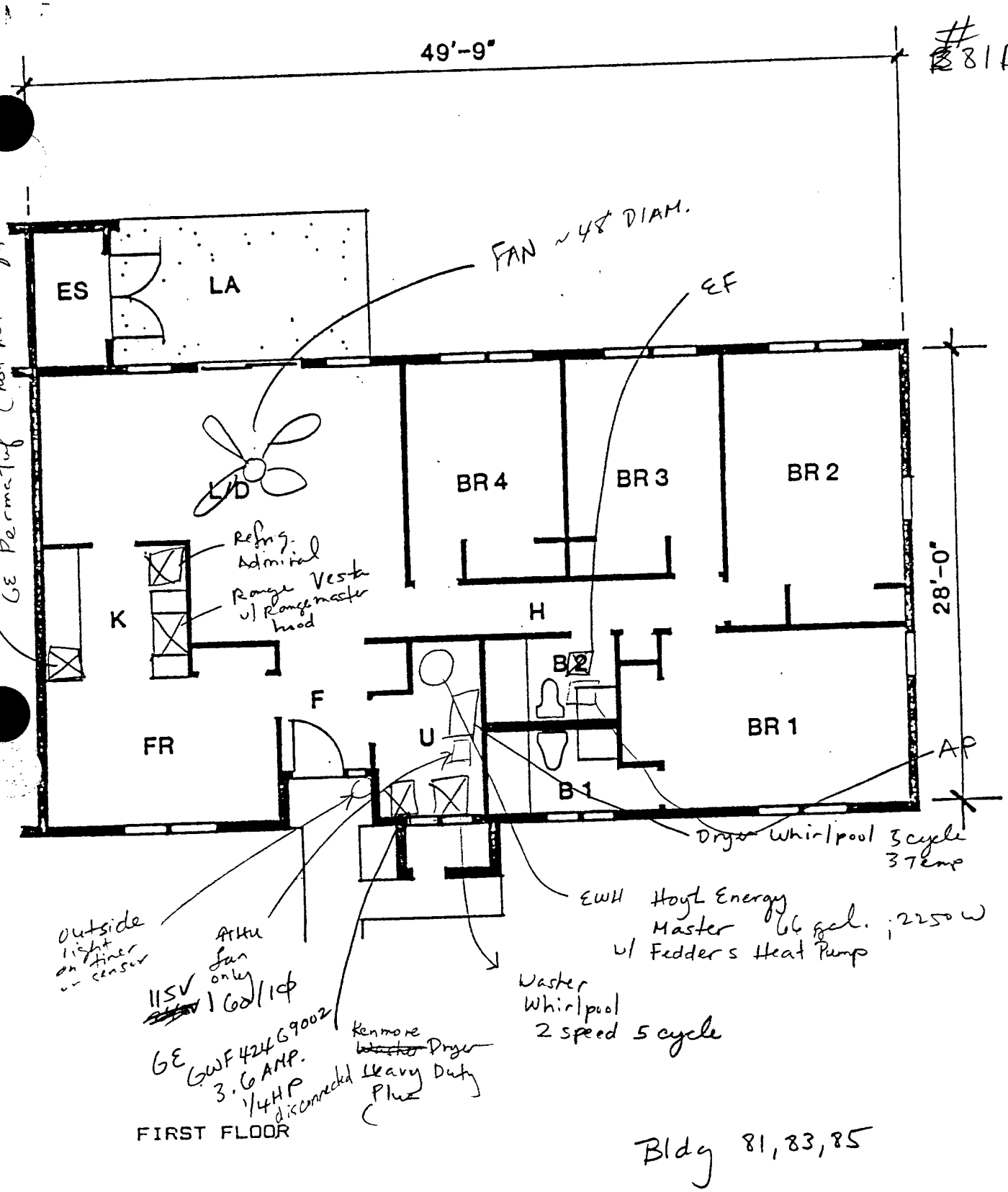
1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit.	2.2/10	118°F	

For 1979

#81B



Bldg 81, 83, 85

AREA: SCH-A UNIT TYPE: FY71/IX

ADDRESS: _____

SURV: _____

DATE: _____

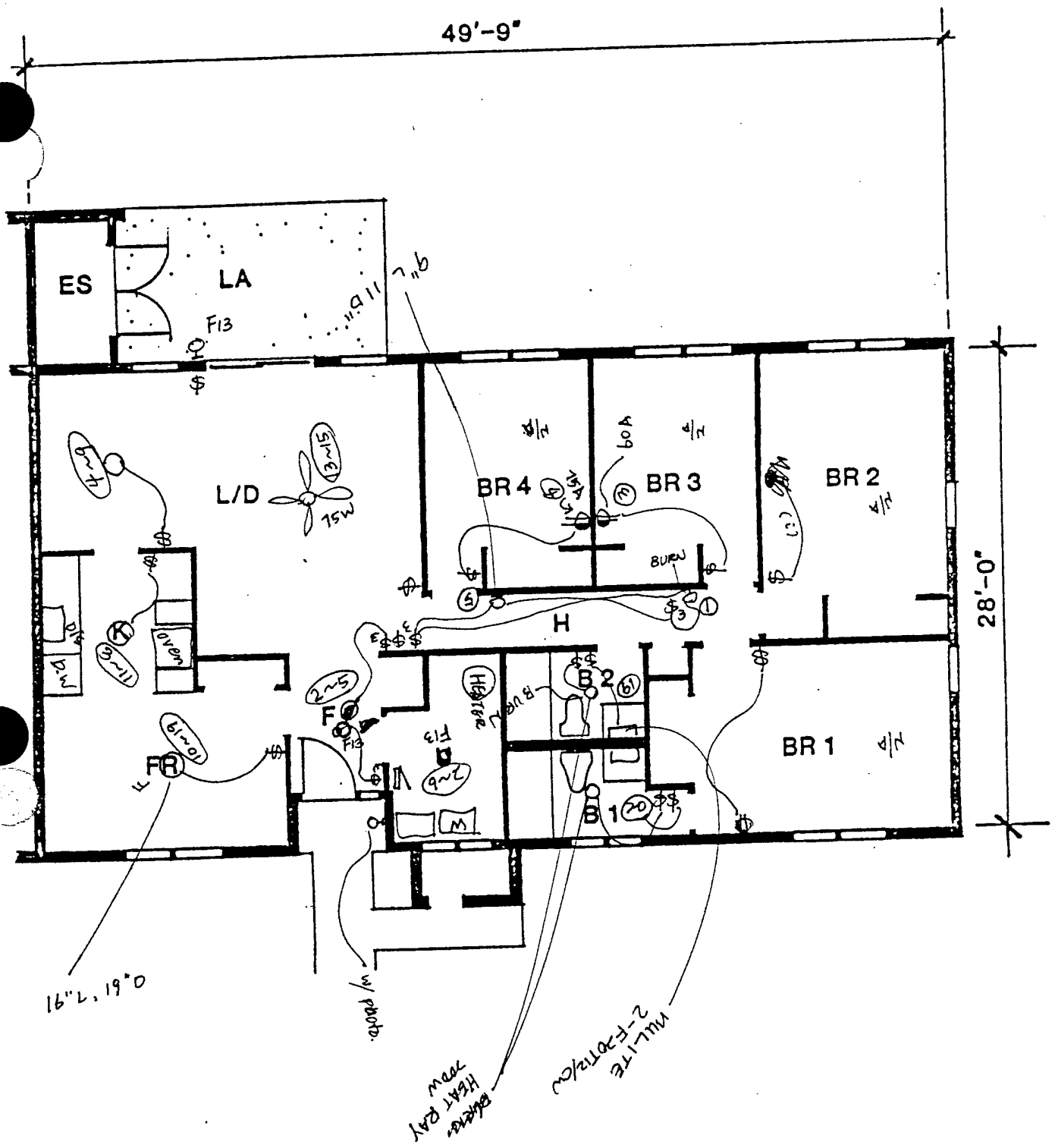
TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey

50

F.F 10/70



FIRST FLOOR

Bldg 81, 83, 85

(81B)

AREA: SCH-A

UNIT TYPE: FY71/IX

ADDRESS: _____

SURV: _____

DATE: _____

TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey

50

Date: 1/26/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 83

Building Type: 71-I

Apartment: A

No. Bedrooms: _____

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: after 3 pm

No. of Occupants: 4

Average No. of Showers/Day: 4

Average No. of Laundry Loads/Week: 5

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

same as 81

Construction

Wall _____ Color: D _____ H _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Type: F _____ P _____

Roof (Incl. Clg.) Color: D _____ M _____ L _____

Material _____ Thickness (In.) _____ R Value ___

Outside Film _____

Insulation _____

_____

_____

_____

_____

Inside Film _____

Total

U-Factor _____ Area

Window	Yes	No
Tinted	✓	
Reflective Coating	✓	

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

same as 81

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

3.2 DOMESTIC HOT WATER HEATING EQUIPMENT (If more than one location, list each one)

a. Location _____
b. Areas Served _____
c. Manufacturer and Model _____
d. Energy (Oil, Gas, Electric, Coal, Etc.) _____
e. Type Heaters & Quantities:
1) Storage _____
2) Instantaneous _____
3) Semi-Instantaneous _____
f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
i. When Installed & Condition _____
j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

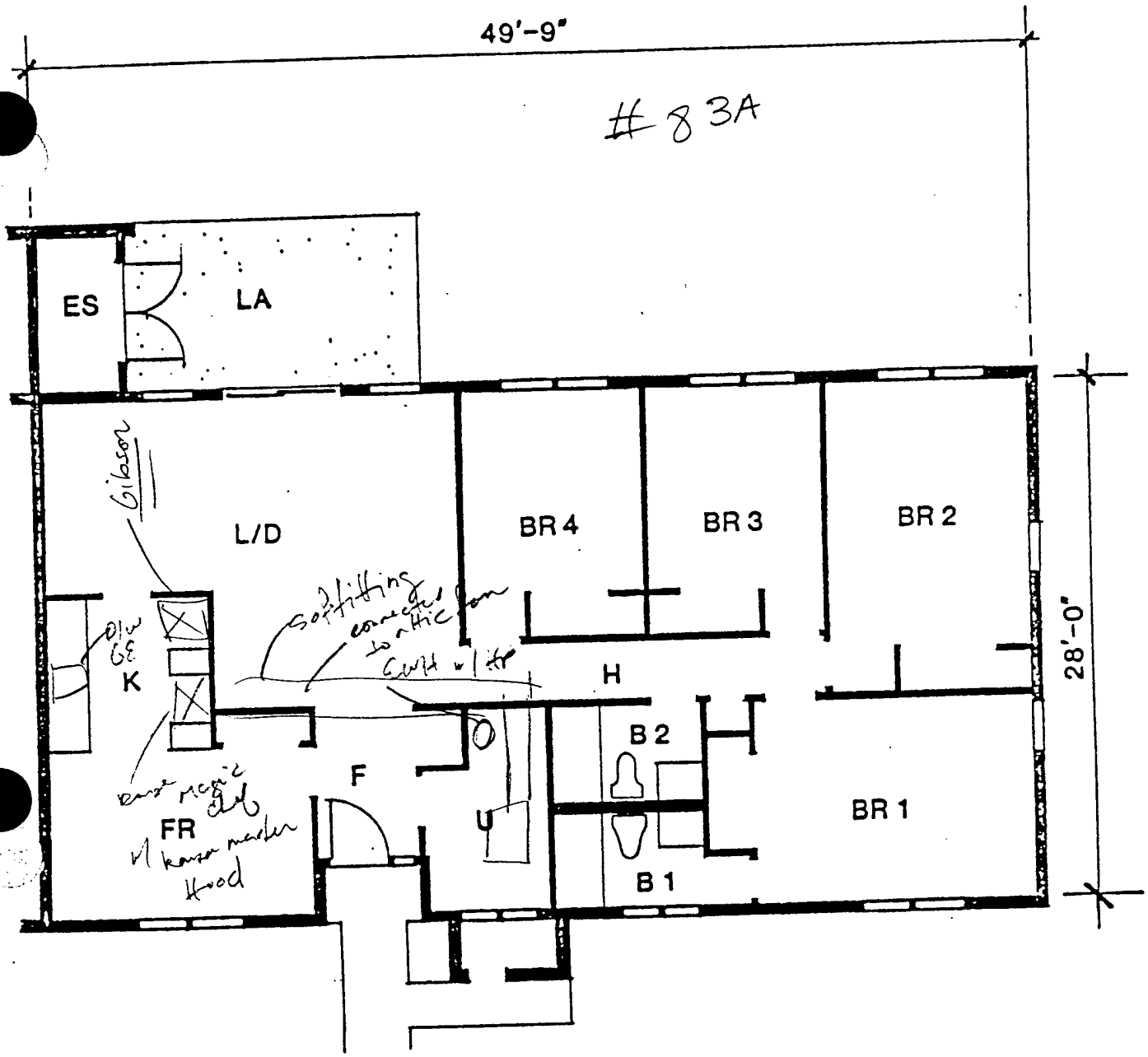
1) Mfg/Mdl _____
2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Bathroom Shwr	1.5l/10s	112	



FIRST FLOOR

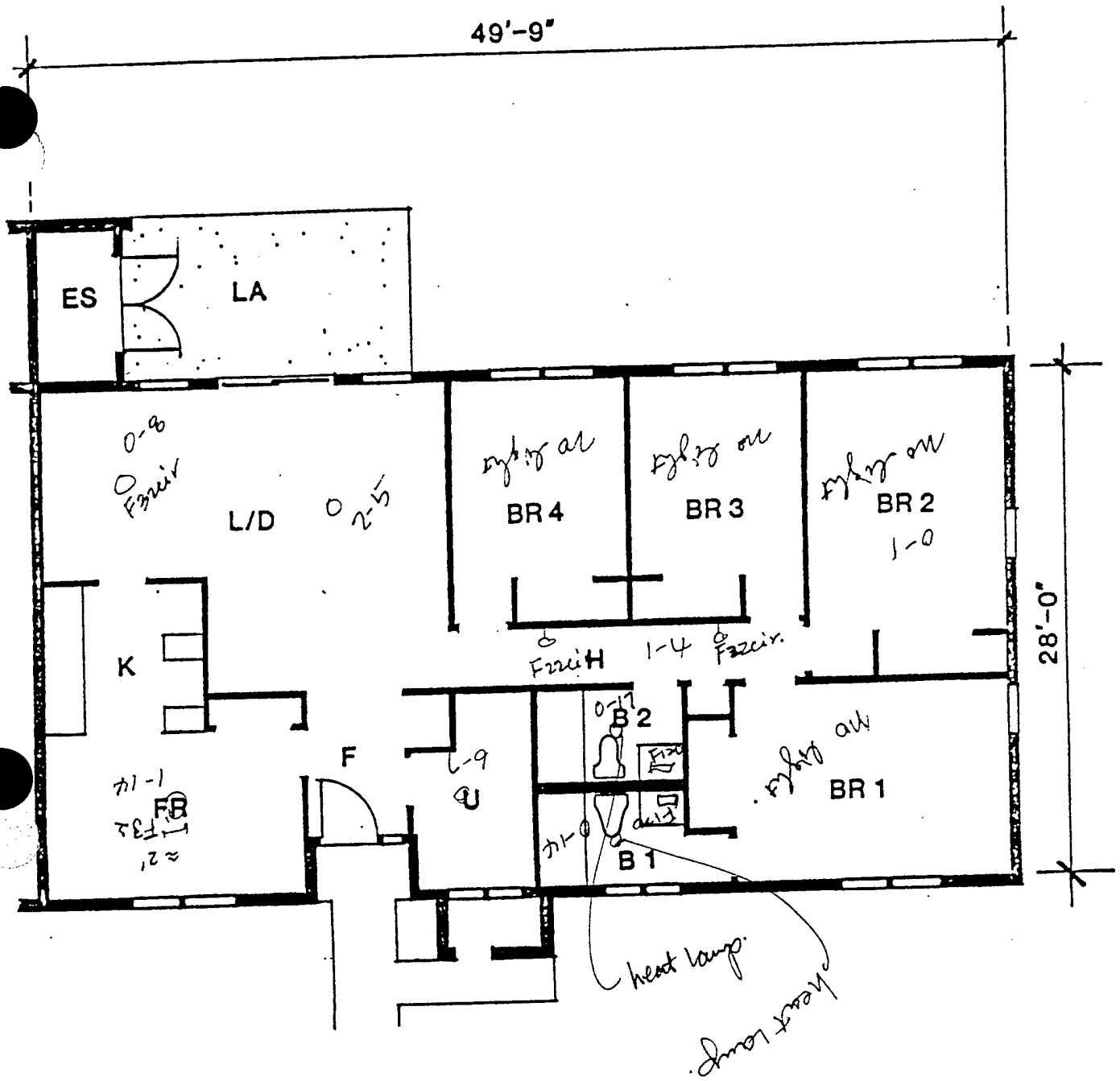
Bldg 81, 83, 85

AREA: SCH-A
ADDRESS: _____

UNIT TYPE: FY71/IX
SURV: _____
DATE: _____
TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey



FIRST FLOOR

83A

Bldg 81, 83, 85

AREA: SCH-A

UNIT TYPE: FY71/IX

ADDRESS: _____

SURV: _____

DATE: _____

TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey

50

Date: 1/26/90
Prepared By: _____

ENERGY SAVINGS OPPORTUNITY SURVEY FORM

1.0 GENERAL INFORMATION

Building No.: 83

Building Type: 71-I

Apartment: B

No. Bedrooms: _____

Area: _____

Address: _____

Telephone No.: _____

Occupied Hours: ~~1~~ 2:3 pm

No. of Occupants: 6

Average No. of Showers/Day: 6

Average No. of Laundry Loads/Week: 12

Average No. of Times Dishwasher Used/Day: 1

Remarks: _____

2.0 ARCHITECTURAL

Same as 81

Construction

Wall _____ Color: D _____ H _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Roof (Incl. Clg.) Type: F _____ P _____ Color: D _____ M _____ L _____

Material	Thickness (In.)	R Value
Outside Film		
Insulation		
Inside Film		

Total

U-Factor _____ Area

Window Yes / No

Tinted _____

Reflective Coating _____

3.0 HOT WATER SYSTEM

3.1 DOMESTIC HOT WATER HEATING EQUIPMENT

Same as 81

a. Is System Supported from (check one):

_____ Central Plant _____ One System per Building

_____ Several Small Systems per Building

_____ Individual EWH/Unit

b. Domestic Hot Water Temperatures provided: _____ °F
_____ °F

c. Average Pipe Sizes of All HW Piping and Approximate Run of Each:

_____

_____

_____

d. Is Piping System Insulated and Condition: _____
Insulation Thickness: _____

e. Is Hot Water Circulated? _____

1) Condition of circular _____
2) Circulator capacity _____
3) Is aquastat provided?
4) Aquastat temperature setting _____
5) Mfg/Model _____
6) Electrical Data _____

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f. Heater Size and Storage Capacity _____

g. Heating Capacity _____
h. Type Controls (Air, Steam, Electric) _____
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j. Heater Temperature Setting _____
k. Average Water Maintained Temperature _____
l. Temperature Differential (j) - (k) _____
m. Is Hot Water Supply Adequate _____
n. Insulation Thickness _____
o. Insulation Material _____
p. Timeclock and Hrs Set _____

3.3 HW USING APPLIANCES

a. Dishwasher

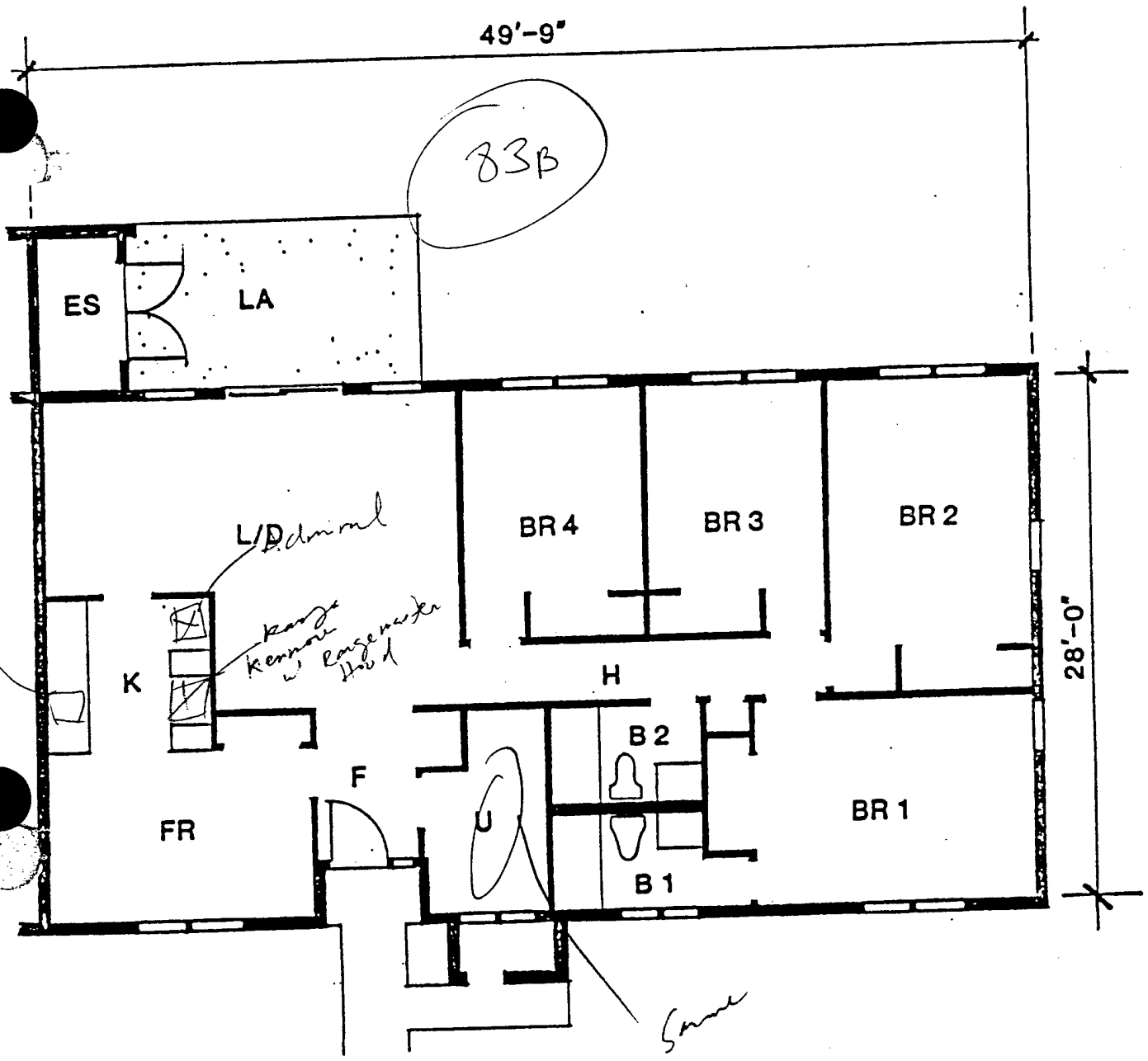
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2) Galons HW/Wash _____
3) Booster Heater Mfg/Mdl _____
4) Heating Source _____
5) Capacity _____
6) Electrical Data _____

b. Clothes Washer

1) Mfg/Mdl _____
2) Setting: Hot _____ Warm _____ Cold _____
3) Gallons HW/Wash _____
4) Electrical Data _____

3.4 HOT WATER FIXTURES

Fixture	Flow	Water Temp.	Remarks
Kit Sk.	1.5l/1as	116	
Shower (B2)	3l/10s	112	



FIRST FLOOR

Bldg 81, 83, 85

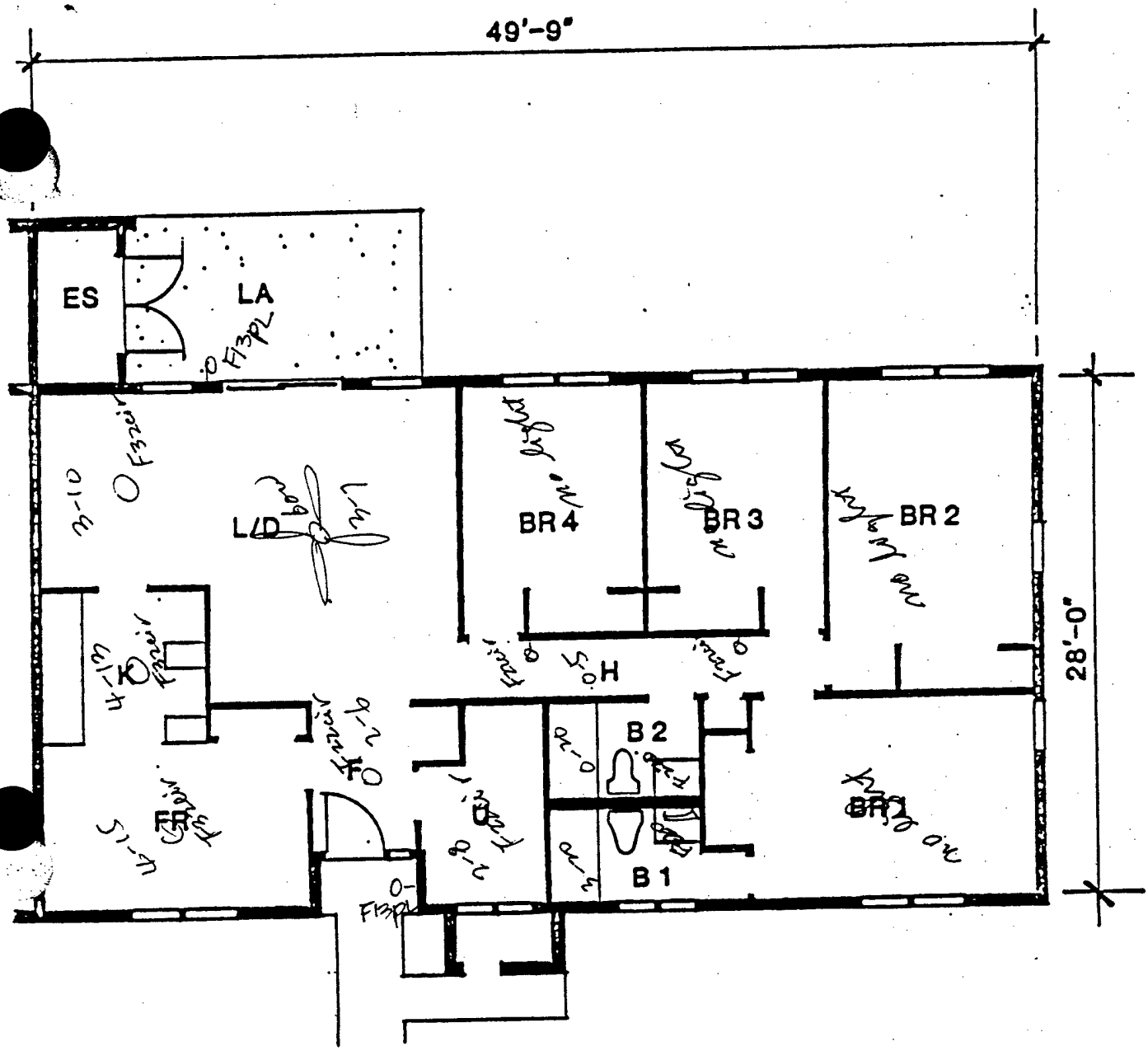
AREA: SCH-A
ADDRESS: _____

UNIT TYPE: FY71/IX
SURV: _____
DATE: _____
TIMEIN/OUT: _____

4 2 0 8

Architects
Johnson Reese Luersen Lowrey

50



FIRST FLOOR

Bldg 81, 83, 85 83 B

AREA: SCH-A
ADDRESS: _____

UNIT TYPE: FY71/IX

SURV: _____
DATE: _____
TIMEIN/OUT: _____

4 2 0 8

ARCHITECTS
Johnson Reese Luersen Lowrey