

CONTINUED FROM PAGE 21, 1940 (CONTINUED FROM PAGE 4, 1937)

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

Fiscal year ending June 30, 19 40

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
BUILD- ING NO.	DESIGNATION OF BUILDING OR SYSTEM	BRIEF DESCRIPTION OF IMPORTANT REPAIR WORK ACCOMPLISHED DURING THE FISCAL YEAR, COSTING \$100 OR MORE	REPAIR EXPENDITURES FOR THE PRESENT FISCAL YEAR	TOTAL REPAIR EXPENDITURES FROM THE DATE THE BUILD- ING OR SYSTEM WAS CONSTRUCTED TO JUNE 30, PRESENT FISCAL YEAR	TOTAL ORIGINAL COST, NOT INCLUDING REPAIRS, TO JUNE 30, PRESENT FISCAL YEAR	COST OF NEW CON- STRUCTION (INCLUDING ALTERATIONS AND ADDITIONS BUT NOT REPAIRS) DURING THE PRESENT FISCAL YEAR	REPLACEMENT VALUE JUNE 30, 19 40 PRESENT FISCAL YEAR
✓ 1	Officers Qtrs		\$	\$ 1724.32	\$ 11189.20	\$	\$ 11189.20
✓ 243	do			2020.00	11189.20		11189.20
✓ 17	do			1745.95	16661.00		16661.00
SUB-TOTAL GROUP No. 1				5490.27	39039.40		39039.40
✓ 546	NCO Quarters			1062.72	5426.50		5426.50
✓ 7	do (MD)			1929.15	5426.50		5426.50
✓ 18419	do			1286.46	2973.24		2973.24
SUB-TOTAL GROUP No. 7				4278.34	13826.24		13826.24
✓ 9	Barracks (Sub-total)			5265.91	34251.00		50000.00
✓ 8	Hospital (Sub-total)			1955.27	14829.01		14829.01
✓ 10	Bake Shop (Sub-total)	Salvaged 9-30-41		400.00	975.00		975.00
✓ 4	Administration Bldg			958.27	7297.30		7297.30
✓ 11	Guard House			952.52	3871.90		3871.90
✓ 13	Q.M. Storehouse			352.91	5008.00		5008.00
✓ 15	Oil House			149.55	380.00		700.00
✓ 20	Ordnance Storehouse			973.57	4084.90		4084.90
✓ 22	Fire Station			214.43	1250.00		1250.00
✓ 27	Post Exchange	Salvaged 6-30-41		1524.16	19877.48		19877.48
✓ 29	Flag-Staff			58.00	100.00		100.00
✓ 30	Married Soldiers Qtrs			329.55	1000.00		1000.00
SUB-TOTAL GROUP No. 15				5583.16	33969.20		34289.20
✓ 26	Shelter for Searchlight (Sub-Total)			84.15	855.00		855.00
✓ 32	Reservoir			Unknown	8860.00		10000.00
	Reservation Fences			550.89	1000.00		1000.00
	Bake Oven			Unknown	Unknown		2000.00
	Electric Power Equipment			260.00	Unknown		4000.00
	Electric T&D System			1000.00	4000.00		4000.00
	Rangas, Coal and Wood			107.00	1000.00		1000.00
	Heating Stoves			314.00	2000.00		2000.00
	Interior Fences			36.60	100.00		100.00
	Water Mains			1006.85	3500.00		5000.00
	Sewer Mains			1015.20	2736.00		5000.00
	Roads			2760.20	5000.00		10000.00
	Walks			1041.23	2500.00		5000.00
	Drainage System			500.00	1000.00		2000.00
	Care & Improvement Grounds			1014.00	1000.00X		14000.00
	Fire Fighting & Prev. Equipment			353.57	5000.00		5000.00
SUB-TOTAL GROUP No. 27				9988.54	35696.00		70100.00
TOTAL				33112.54	173440.85		223913.85 ✓

NINTH (C. A.) REPLY Station Fort. S. LAURELIA, WASHINGTON

REPRODUCED AT THE NATIONAL ARCHIVES

ANNUAL REPORT OF CONSTRUCTION AND REPAIR

REPORT

Fiscal year ending June 30, 1933

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
BUILDING NO.	DESIGNATION OF BUILDINGS OR SYSTEMS	BRIEF DESCRIPTION OF IMPORTANT REPAIR WORK ACCOMPLISHED DURING THE FISCAL YEAR, COSTING \$100 OR MORE	REPAIR EXPENDITURES FOR THE PRESENT FISCAL YEAR	TOTAL REPAIR EXPENDITURES FROM THE DATE THE BUILDING OR SYSTEM WAS CONSTRUCTED TO JUNE 30, PRESENT FISCAL YEAR	TOTAL ORIGINAL COST, NOT INCLUDING REPAIRS, TO JUNE 30, PRESENT FISCAL YEAR	COST OF NEW CONSTRUCTION (INCLUDING ALTERATIONS AND ADDITIONS BUT NOT REPAIRS) DURING THE PRESENT FISCAL YEAR	REPLACEMENT VALUE JUNE 30, 1933
1	Officers Qtrs.		\$	\$ 1724 52	\$ 11189 20	\$	\$ 11189 20
2&3	do		36 51	2020 00	11189 20		11189 20
17	do			1745 95	16661 00		16661 00
SUB-TOTAL GROUP 1			36 51	5490 27	39039 40		39039 40
5&6	WCO. Qtrs.			1082 72	5426 50		5426 50
7	Do (MD)			1929 16	5426 50		5426 50
18&19	do			1286 46	2973 24		2973 24
SUB-TOTAL GROUP 7				4279 34	13826 24		13826 24
9	Barracks	(sub-total)		5265 91	34251 00		50000 00
8	Hospital	(Sub-Total)		1955 27	14829 01		14829 01
10	Bake Shop	(Sub-Total) <i>Salvaged 1-30-41</i>		488 92	975 00		975 00
4	Administration Bldg.			958 27	7297 20		7297 20
11	Guard House			952 52	3871 90		3871 90
13	QM. Storehouse			352 91	5008 00		5008 00
15	Oil House			142 55	380 00		700 00
20	Ord. Storehouse			973 37	4084 90		4084 90
22	Fire Station			214 43	1250 00		1250 00
27	Post Exchange			1524 75	10977 20		10977 20
29	Flagstaff			58 00	100 00		100 00
30	Married Soldiers Qtrs.			392 35	1000 00		1000 00
SUB-TOTAL GROUP 15				5583 16	33969 20		34289 20
28	Shelter for Searchlight	(Sub-Total)		64 16	855 00		855 00
32	Reservoir			Unknown	8860 00		10000 00
	Reservation Fences			550 39	1000 00		1000 00
	Bake Oven			Unknown	Unknown		2000 00
	Electric Power Equip.			260 00	Unknown		4000 00
	Electric T&D System			1000 00	4000 00		4000 00
	Ranges, Coal & Wood			107 00	1000 00		1000 00
	Heating Stoves			314 00	2000 00		2000 00
	Interior Fences			66 60	100 00		100 00
	Water Mains			1006 35	3500 00		5000 00
	Swamp Mains			1015 20	2738 00		5000 00
	Roads			2760 20	3000 00		10000 00
	Walks			1041 23	2500 00		5000 00
	Drainage System			500 00	1000 00		2000 00
	Care & Imprvt. Grounds			1014 00	1000 00		14000 00
	Fire Fighting & Prev. Equip.			353 57	5000 00		5000 00
SUB-TOTAL GROUP 27				9988 54	35696 00		35000 00
						Corrected Total	70,100 00
TOTAL			36 51	33112 64	173440 85		220613 85
						Corrected Total	223,913 85

WINTHROP STATION FORT COLUMBIA, WASHINGTON. (C. S.) (Dept.)

REPRODUCED AT THE NATIONAL ARCHIVES

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Date June 30, 1941

Reservation—Area 729.35 acres.

Name Fort Columbia, Washington Location Mouth of Columbia River Established 1903 Government-owned 729.35 acres. Leased None acres.

Character of post Coast Artillery Telegraph station Astoria, Oregon Freight station Astoria, Oregon

Capacity: Officers Perm. - 4 Married; N. C. O. 6; Enl. men Perm. - 100; Temp. 45; Animals 0; Motor veh. 2; Hosp. beds 12

POST BLDG. No.	DESIGNATION OF BUILDING	HOT-WATER HEATERS				RANGES OR COOKERS				METERS				Plumbing	Electric	Fire	Structural	Interior	Exterior	Remarks on Condition of Buildings
		Coal	Oil	Gas	Steam	Coal	Oil	Gas	Steam	Coal	Oil	Gas	Steam							
I POST EXCHANGE BUILDINGS																				
A. Permanent																				
27		Removed by contractor under provisions of contract # W6105-QM-216																		
II BAKERY BUILDINGS																				
A. Permanent																				
10		To be removed. Now on approved I & I Report																		
III Flagstaffs																				
A. Permanent																				
29																				
IV HOUSING																				
A. Enlisted Men																				
1. Family Type NCO																				
(a) Permanent																				
5																				
6																				
7																				
18																				
19																				
30	Married Enl. M. Quarters																			
2. Barracks Type																				
(a) Permanent																				
9																				
(b) Emergency																				
T-100																				
B. Officers																				
1. Family Type																				
(a) Permanent																				
1																				
2																				
3																				
17																				
C. Storage																				
1. Permanent																				
13	QM. & Subs. Storehouse																			
15	Oilhouse																			
20	Ordnance Storehouse																			
32	Reservoir																			
D. Hospital Bldgs.																				
1. Permanent																				
8																				
V ALL OTHER MISCELLANEOUS BUILDINGS																				
1. Permanent																				
4	Administration Building																			

SEE OTHER SIDE

REPRODUCED AT THE NATIONAL ARCHIVES

RECORD OF EQUIPMENT AND CONDITION OF BUILDINGS

Date June 30, 1939

Reservation—Area 729.35 acres.

Name Fort Columbia, Washington Location Mouth of the Columbia River Established 1903 Government-owned 729.35 acres. Leased None acres.

Character of post C. A. (Inactive) Telegraph station Astoria, Oregon Freight station Astoria, Oregon

Capacity: Off. 54; W. off. and ft. cl. None; N. C. O. 60K; Enl. men 105 100; Animals None; Motor veh. None; Hosp. beds 12

POST BLDG. No.	DENOMINATION OF BUILDING	Laundry Stove	HOT-WATER HEATERS					RANGES OR COOKERS					METERS										CAPACITY	REMARKS ON CONDITION OF BUILDINGS									
			Coal	Oil	Gas	Steam	Electric	Range	Boiler	Coal	Oil	Gas	Steam	Electric	Water	Gas	Oil	Steam	Electric	Tubens	Drinks	Kitchen Sinks			Washbasin	Laundry Tubs	Shower Baths	Bathtubs	Fire Extinguishers	Fire Buckets	Shower Windows	Screens	
27	Post Exchange																													14	3209 sq. ft. Usable		
10	Bakery																													480 lbs	"		
1	Officers Qtrs	1					1	1																						1 Capt./ 1 Enl M.	"		
2&3	do						2	2																						2 Lt./ 1 NCO	"		
17	do						1	2																						1 P.O./ Vacant	"		
5&6	NCO. Qtrs.						2	1																						2 NCO/ 1 NCO	"		
7	do (MD)						1	1																						1 NCO/ Vacant	"		
18&19	do						2	2																						2 NCO/ do	"		
9	Barracks																														100 Enl. M./ do	"	
30	Married EM Qtrs.																													1 EM/ do	"		
13	QM & Sub. Storahouse																														4044 sq. ft./ do	"	
20	Ord. Storahouse																														2050 " / do	"	
15	Oil House																														260 " / do	"	
52	Reservoir																														550343 gal	"	
4	Administration Bldg.																														2159 sq. ft./ Vacant	"	
11	Guardhouse																														4 Fres./ do	Poor	
22	Fire Station																														4 Veh./ do	Usable	
29	Flagstaff																																Poor
26	Shelter for searchlight																														1 SL	Usable	
8	Post Hospital																														12 beds/ Vacant	"	

NOTE: All storahouses, offices, etc., are vacant.

SEE OTHER SIDE

U. S. GOVERNMENT PRINTING OFFICE 3-9086

REPRODUCED AT THE NATIONAL ARCHIVES

ELECTRIC LIGHTING AND POWER

1941 - NO CHANGES HAVE BEEN MADE SINCE DATE OF THIS REPORT

At PORT COLUMBIA, WASHINGTON.

Date June 6, 1927.

1. Post generating plant active or inactive. Inactive *Portific ation Power Plant Original cost Engineer Installation completed Not known Total capacity.....

2. If purchased, give name and address of contracting firm.....

3. Incoming lines to substation or junction with post system: Owner.....
 Voltage..... Frequency..... Phase..... Number of conductors.....
 B. & S. gauge..... Insulated or bare..... Solid or stranded.....
 Aerial or underground..... Length of line from contractors plant or substation in miles.....
 Length of line on reservation in miles..... Or feet.....
 Number of poles..... Height..... Kind..... How treated.....
 Number of manholes..... Dimensions..... How constructed.....

4. Substation: Original cost..... Date completed.....
 Type..... Construction..... Dimensions.....
 Transformers: Quantity..... Manufacturer.....
 Name-plate data.....
 Mounted outdoor or indoor..... Connection of windings: Primary and secondary.....
 Lightning arresters: Quantity..... Manufacturer.....
 Name-plate data.....
 Where and how mounted.....
 Switchboard: Material..... Dimensions.....
 Number of panels..... Number of oil breakers..... Number of air switches.....
 List of instruments.....
 Number of circuits leaving station.....
 Voltage regulators: Quantity..... Manufacturer.....
 Name-plate data.....
 Street-lighting regulators: Quantity 0 Manufacturer.....
 Name-plate data.....
 Other Government-owned apparatus.....
 Apparatus owned by contractor, including metering facilities 0

5. Distribution system. Original cost..... Date completed.....
 Aerial or underground Aerial Phase..... Number of conductors.....
 Voltage: Primary 110 DC Secondary..... Power 110 Light 110
 Length in miles..... or feet 4000 Kind of poles Cedar Kind of crossarms Pipe
 Ducts 0 Manholes 0 Insulators.....
 Number of poles 33 Crossarms 42 Manholes 0 Insulators 84
 Number of lightning arresters 8 Type Multi-gap Manufacturer Not known
 Where mounted on poles How connected multiple
 Method of grounding arresters #6 copper-insulated to iron pipe at foot of pole

6. Interior installations. Government owned.....
 Lighting: Total kilowatt connected 3.355 Total number of sockets 51
 Ranges: Total kilowatt connected 0 Number installed 0
 Water heaters: Total kilowatt connected 0 Number installed 0
 Air heaters: Total kilowatt connected 0 Number installed 0
 Fans: Number of A. C. installed 0 Number of D. C. installed 0
 Motors: A. C., total horsepower connected 0 Number installed 0
 Motors: D. C., total horsepower connected 0 Number installed 0

7. Exterior lighting system: Cost Unknown Date completed Unknown
 Series of multiple Multiple Voltage or amperage 110-D.C.
 Number of lamps 10 Wattage or candlepower.....
 B. & S. gauge of conductors #6 Length of system 4000'
 Type of fixtures Pipe-gooseneck How mounted Pole Socket

List miscellaneous Government-owned apparatus, giving group designations: Total quantities and total kilowatt ratings. * Water Turbine-belt connected to Edy Elec. Co. D.C. Generator of 7.5 KW Capacity for Lighting and Power of Carstaker Detachment.

Give total kilowatt connected load of privately-owned appliances (estimated).....

8. Enter pertinent information on motors, except desk and bracket fans, in proper columns on reverse side of this sheet.....

INSTRUCTIONS—This form is for permanent record and will be used when new systems or extensive additions are completed and turned over for use.
 Forms will be prepared in triplicates. One copy of each form will be retained at the station where prepared, one copy will be forwarded to the Department or Corps Area Commander, and one copy (the original) will be forwarded to the Quartermaster General. At independent stations, forms will be prepared in duplicate, one copy will be retained at the station and the original will be forwarded to the Quartermaster General.

Slight modifications, alterations, or additions will be promptly reported to the Quartermaster General, giving all particulars with notations to be made which would affect operation. It is not necessary to submit new forms when reporting such slight modifications, etc. In as much as these forms are used to check upon the electric system in operation, entries hereon will be checked annually, or oftener, if necessary, and reported for correction. Entries hereon will be considered accurate at all times.

HOUSE LIGHTING—WATT-HOUR METERS AND HOUSE-WIRING DATA

1941 - NO CHANGES REPORTED SINCE DATE OF THIS FORM

At Fort Columbia, Wash.

Date June 21, 1922.

BUILDING		LAMPS						WATT-HOUR METERS					HOUSE WIRING			
NUMBER	DESIGNATION	NUMBER						VOLTS	APPARENT AVERAGE LIFE HOURS	NO.	MAKE	2 OR 3 WIRE	INSTALLED	LAST CALIBRATED	KIND	CONDITION
		15 wats	25 wats	40 wats	60 wats	75 wats	100 wats									
1	Officers Qtrs							110	Long	868828	Westinghse	2	Oct. 1914	Never	Conduit	Good
2	Officers Qtrs							110	"	811350	"	"	"	"	"	"
3	Officers Qtrs							110	"	811359	"	"	"	"	"	"
4	Administration Bldg									None						
5	N.C.O. Qtrs.		2	1	4	2		100		107495	"	"	"	"	"	"
6	N.C.O. Qtrs.				4	6		100		107515	"	"	"	"	"	"
7	N.C.O. Qtrs.							100		107505	"	"	"	"	"	"
8	Post Hospital									None						
9	Barracks									None						
10	Bake Shop							100	"	107521	"	"	"	"	K. & T.	"
11	Guard House							100	"	107520	"	"	"	"	"	"
12	Stables									None						
13	G.M. Subistence							100	"	107500	"	"	"	"	K. & T.	"
14	Blacksmith & Plumbing Shop									None				"	K. & T.	"
15	Oil House									None			None			
16	Coal Shed									None			None			
17	Surgeons Qtrs							100	Long	868824	"	2	Oct. 1914	Never	Conduit	Good
18	N.C.O. Qtrs							100	"	107508	"	"	"	"	"	"
19	N.C.O. Qtrs							100	"	107497	"	"	"	"	"	"
20	Ordinance Storeroom									None					K. & T.	"
21	Wagon Shed									None					K. & T.	"
22	Fire Station									None					K. & T.	"
23	A. B. Storeroom							100	Long	107516	"	2	Oct. 1914	Never	K. & T.	Poor
24	Wearf House				5	1				None	"	2	"	"	K. & T.	Poor
25	Gymnasium									None	"	2	None		K. & T.	Poor
26	Power House									None	"	2	None		K. & T.	Good
27	Post Exchange				4	11	2		Long	107540	"	2	Oct. 1913	Never	Conduit	Good
28	Teamsters Qtrs									None	"	2	"	"	K. & T.	Good
29	Flagstaff									None	"	2	"	"	K. & T.	Good
30	Married soldiers Qtrs									None	"	2	"	"	K. & T.	Good
31	Wearf									None	"	2	"	"	K. & T.	Good
		2	2	20	24	2										

REPRODUCED AT THE NATIONAL ARCHIVES

WATER SUPPLY SYSTEM AND WATER PUMPING PLANTS

At Fort Columbia, Washington

DATE April 27, 1938

1. Source of water supply <u>Seam Spring</u> 2. Sanitary conditions surrounding source of supply <u>Good</u> 3. Consumption—gallons a. Maximum day <u>Not metered</u> b. Minimum day <u>Not metered</u> c. Daily average for year <u>Not metered</u> 4. Population supplied a. Maximum month <u>7</u> b. Minimum month <u>7</u> c. Daily average for year <u>7</u> 5. Animals supplied—daily average <u>None</u>	6. Maximum gallons per day available <u>Not known</u> 7. Has the capacity of the supply been fully developed? <u>No</u> 8. Number and size of connections (city supply) <u>None</u> 9. State size, type, make, and capacity of meters <u>None</u> 10. Number of automatic flush valves <u>None</u> 11. Are pressures satisfactory to operate flush valves?	12. Pressures a. Maximum <u>250</u> near Bldg. No. <u>20</u> b. Minimum <u>120</u> near Bldg. No. <u>1</u> c. Normal for post <u>185</u> d. At highest fixture <u>100</u> in Bldg. No. <u>5</u>	13. Water temperature: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td></td> <td>Jan.</td> <td>Feb.</td> <td>Mar.</td> <td>Apr.</td> <td>May</td> <td>June</td> <td>July</td> <td>Aug.</td> <td>Sept.</td> <td>Oct.</td> <td>Nov.</td> <td>Dec.</td> </tr> <tr> <td>Maximum day</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Minimum day</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Monthly average</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Maximum day													Minimum day													Monthly average												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.																																											
Maximum day																																																							
Minimum day																																																							
Monthly average																																																							

15. Description of source of supply, sanitary conditions, and how water distribution system is operated:

.....

.....

.....

.....

.....

16. Description of pump operation:

.....

.....

.....

17. WELL DATA						19. CENTRIFUGAL AND DIRECT-ACTING PUMPS											
WELL No.—	1	2	3	4	5	PUMP No.—	1	2	3	4	5	6	7	8	9		
Total depth—feet	<u>None</u>					Where installed—Bldg. No.	<u>None</u>										
Size of casing and material						Name of manufacturer											
Length of screen and material						Capacity—g. p. m.											
Size of screen openings						Design head—feet											
Standing water level—feet						Speed—r. p. m.											
Capacity—g. p. m.						Driving unit											
Drawdown—feet						H. P. of driver											
When drilled						Electric current	Voltage										
Cost							Phase										
How pumped							Cycle										
Where is log available?						Direct or belt driven											
18. DEEP-WELL PUMPS						Suction lift or head—feet											
Name of manufacturer	<u>None</u>					Discharge head—feet											
Type						Automatic or manual start											
Capacity—g. p. m.						Unit Serial No.											
Head—feet						Date installed											
Driving unit						Cost											
H. P. of driver						20. Remarks on pumps covered by 18 or 19:											
Speed																
Depth of setting—feet																
Electric current	Voltage															
	Phase															
	Cycle															
Date installed																
Cost																

REPRODUCED AT THE NATIONAL ARCHIVES

SEWERAGE SYSTEMS AND WASTE DISPOSAL

At Fort Columbia, Washington

DATE April 27, 1938

1. Population served	(a) Maximum month <u>7</u> (b) Minimum month <u>7</u> (c) Daily average for year <u>7</u>	4. Are sanitary and storm sewers separate or combined? <u>Combined</u>	(a) City sewer (b) Stream <u>Columbia River</u> (c) Lake (d) Ocean (e)
2. Water consumption	(a) Maximum day <u>Not metered</u> (b) Minimum day <u>Not metered</u> (c) Daily average for year <u>Not metered</u>	5. Sewage discharged into	(a) Maximum day (b) Minimum day (c) Daily average for year
3. Sewage flow	(a) Maximum day (b) Minimum day (c) Daily average for year	6. Is sanitary sewage pumped? <u>No</u>	7. Is storm sewage pumped? <u>No</u>
		8. Does station have sewage treatment plant? <u>No</u>	

9. SEWER MAINS

(a) SANITARY						(b) STORM WATER					
Diameter	6"	6"				Diameter					
Material	C-Iron	Vit-clay				Material					
Length	120'	2330'	0.46			Length					
Joint material	LD&OK	Cement				Joint material					
Average depth	6'	6'				Average depth					
Date installed	Unknown	Unknown				Date installed					
Cost		2436.00				Cost					

Number of manholes 10 Average depth 6'
 Manhole elevations shown on Drawing No. _____
 Sewer layout shown on Drawing No. _____
 Brief description of sanitary sewerage system including pumping stations, treatment plants, etc.: _____

Number of manholes _____ Average depth _____
 Manhole elevations shown on Drawing No. _____
 Sewer layout shown on Drawing No. _____
 Brief description of storm water sewerage system including pumping stations: _____

10. SANITARY SEWAGE PUMPS

Pump No. -	1	2	3	4	5	6
Installed—Bldg. No.	None					
Name of manufacturer						
Type						
Capacity—g. p. m.						
Total head—feet						
Speed—r. p. m.						
Suction lift						
Discharge head						
Direct or belt drive						
Driving unit						
H. P. of driver						
Automatic or manual start						
Unit Serial No.						
Date installed						
Cost						

11. STORM DRAINAGE PUMPS

Pump No. -	1	2	3	4	5	6
Installed—Bldg. No.	None					
Name of manufacturer						
Type						
Capacity—g. p. m.						
Total head—feet						
Speed—r. p. m.						
Suction lift						
Discharge head						
Direct or belt drive						
Driving unit						
H. P. of driver						
Automatic or manual start						
Unit Serial No.						
Date installed						
Cost						

12. SEWAGE TREATMENT PLANT

UNIT	SCREEN CHAMBER	SEWAGE TANKS	CHLORINATING CHAMBER	DOWING CHAMBER	SIPHON	FILTERS	SLUDGE BEDS
Number of units	None	None	None	None	None	None	None
Dimensions							
Capacity							
Drawing Nos.							
Date installed							
Cost							

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FIRE PROTECTION

At Port Columbia, Wash.

Date July 15, 1922.

FIRE DEPARTMENT ORGANIZATION.

NO. OF STATION	NO. MEN EACH STATION	NO. OF STATION	NO. MEN EACH STATION
1	None		
Total		Total	

Remarks: Post inactive

OUTSIDE AID.

LOCATION	DISTANCE	TIME
None		

Remarks:

WATER SUPPLY.

Capacity of tanks	PRESSURE IN MAINS	
	Due to tanks or reservoir	Direct pumping
Capacity of reservoirs <u>Appr. 200,000 gals.</u>	Not known	
Capacity pump, max. G. P. M.	Min	
Duration of water supply		

Remarks:

AUTOMATIC SPRINKLER SYSTEMS.

BLDG. NO.	NAME OF MANUFACTURER	WET OR DRY	AREA COVERED	BLDG. NO.	NAME OF MANUFACTURER	WET OR DRY	AREA COVERED
None							

Remarks:

STANDPIPE SYSTEMS.

Designation and number of buildings equipped

None

Remarks:

HOSE CONNECTIONS AT PLUGS

Number of threads per inch POST
 Diameter of male couplings over threads NEAREST TOWN

7
3"

7
3"

Remarks:

FIRE-ALARM SYSTEMS

NAME OF SYSTEM NUMBER OF STATIONS AREA COVERED PURCHASED OR RENTED

None

Remarks:

FIRE-FIGHTING APPARATUS

Capacity, G. P. M.	Name of Manufacturer	Number
Triple comb'n pumping engines		
Double comb'n chem'l and hose trucks		
Hook and ladder truck		
Utilities car		
Wheel-type chemical extinguishers	Not known	1 500
2-20gal tanks	Not known	1 600
Hose carts, hand-drawn	Not known	2 300
1-quart extinguishers		
2 1/2-gallon soda-and-acid extinguishers		
2 1/2-gallon foam-type extinguishers		
5-gallon hand pump tank		
Hose—2 1/2-inch, double jacket		
2 1/2-inch, single jacket	800	Linear feet
Unlined linen		Linear feet
Other apparatus:		
		Linear feet

Remarks:

1157

INDIVIDUAL HEATING PLANTS

At Fort Columbia, Washington.

Date December 31, 1927.

POST NUMBER	BUILDINGS DESIGNATION	HEATED BY INDIVIDUAL HEATING PLANTS (STEAM OR HOT WATER)						HEATED BY STOVES, ROOM HEATERS, FURNACES, AND FIREPLACES																
		IN BUILDING		NAME OF MANUFACTURER	SER. NO.	SIZE	IN BOILER Capacity Sq. Ft. Boiler's Rating	STOVES, DIAMETER GRATE						ROOM HEATERS, DIAMETER						FURNACES		FIRE-PLACES		
		Sq. Ft. Direct Radiation or Equivalent	Sq. Ft. Uncovered Pipe Used for Heating					7"	8"	10"	12"	14"	16"	18"	18"	20"	22"	24"	26"	No.	Diameter Grate	No.		
1	Officers' Qrs.		1050	American Radiator			500																	
2	Officers' Qrs.		1050	Kellogg McKay Cameron	410	416-	500																	
3	Officers' Qrs.		1150	American Rad. Co.	1208	32249-	500																	
4	Administration Building																							
5	N.C.O. Qrs.	*																						
6	N.C.O. Qrs.	*																						
7	N.C.O. Qrs.	*																						
8	Post Hospital		4600	American Rad. Co.	69275	S 31	800																	
9	Barracks, N.M.	450	9400	Ditto	4836B		1600																	
11	Guard House																							
12	C.M. Storeroom																							
17	Surgeon's Qrs.		1050	American Rad. Co.	122143-		500																	
18	N.C.O. Qrs.																							
19	N.C.O. Qrs.	*																						
20	Ord. Stereroom																							
23	Arty Engineer Storeroom																							
27	Post Exchange	250	1650	American Rad. Co.	S-224905		500																	
28	Teamsters' Qrs.																							
30	Married Soldiers' Quarters	700	19950																					

* Note - Buildings marked with asterisk not occupied at present.
 Figures indicate equipment required in case they are occupied.

(SEE OTHER SIDE)

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1927

COMPLETION REPORT
ELECTRIC LIGHTING AND POWER

SLF

Date JULY 28, 1942

N 278

1941

Post FORT COLUMBIA, WASHINGTON

generating plant, active or inactive _____ Original cost _____
 Date completed _____ Total capacity, KW _____
 Units: Number _____ Size _____ Type _____
 Purchased, give name and address of Contractor PUBLIC UTILITY DISTRICT NO. 2,
ILWACO, WASHINGTON Number of Contract 857-gm-109
 Lines at reservation boundary: No. of circuits _____ Voltage _____ Phase _____
 Frequency _____ cycles. Number of conductors _____ Aerial or underground _____
 Length of line from Contractor's plant or substation in miles _____ or feet _____
 Original Cost _____
 Lines from reservation boundary to substation: Owner _____
 Length in miles: Aerial _____ Underground _____ Number of circuits _____
 Number of Poles _____ Manholes _____ Conductors _____ Size of conductors _____
 Poles: Kind _____ Height _____ Manholes: Kind _____ Size _____
 Ducts: Kind _____ Size _____ Number _____
 Original Cost _____
 Station: Original Cost _____ Date Completed _____
 Type of construction _____ Dimensions _____
 Main transformer bank: Owner _____ KVA: Bank _____ Spare _____
 Quantity: Bank _____ Spare _____ Manufacturer _____
 Name-plate data: _____
 KVA with fans _____ Impedance % _____ Regulation % _____
 Connection of windings: Primary _____ Secondary _____
 Tap changing equipment: Description _____
 Voltage regulators: Quantity _____ Manufacturer _____ Owner _____
 Name-plate data _____
 Lightning arresters: Quantity _____ Manufacturer _____ Owner _____
 Switchboard: Material _____ Dimensions _____
 Number of Panels _____ Cubicles _____ Disconnects, S.T. _____ Disconnects, D.T. _____
 Incoming line oil circuit breakers: Number _____ Volts _____ Amps _____
 Feeder oil circuit breakers: Number _____ Volts _____ Amps _____
 Air circuit breakers: Number _____ Volts _____ Amps _____ Type _____
 Potential transformers: Number _____ Rating _____
 Current transformers: Number _____ Rating _____
 Relays: Number _____ Description _____
 Other Government owned apparatus or meters _____
 Distribution circuits: Number _____ aerial or underground _____
 Apparatus owned by Contractor, including metering facilities: _____

6. Distribution system: Original cost _____ Date completed _____
 Aerial pole line: Length, miles _____ Pole: Number _____ Kind _____
 Average height _____ Average span _____ Number of anchors _____
 3 phase primary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 1 phase primary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 Secondary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 Underground: Manholes: Number _____ Average spacing, ft. _____ Average size, cu. ft. _____
 Ducts: Trench feet _____ Duct feet _____ Size _____ Material _____
 3 phase primary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 1 phase primary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 Secondary: Length, miles _____ Volts _____ Conductors: Number _____ Sizes _____
 Primary Parkway: Length, miles _____ Volts _____ Phase No. cond'rs _____ Sizes _____
 Secondary Parkway: Length, miles _____ Volts _____ Phase No. cond'rs _____ Sizes _____
 Services, Overhead: Number _____ Average number of conductors _____ Average Size _____
 Services, Underground: Number _____ Average number of conductors _____ Average Size _____
 Line accessories: Number of: Sectionalizing switches _____ Time oil switches _____
 Capacitors: Number _____ Total KVA _____ Location _____
 Distribution transformers: Number _____ Total KVA _____ Mounting _____
 7. Exterior lighting system: Original cost _____ Date completed _____
 Length, miles: Aerial _____ Underground _____ Regulators: Number _____
 Voltage _____ Total KW _____ Secondary amperes _____
 Series fixtures: Number: Bracket type _____ Post type _____ Size lamps _____
 Multiple fixtures: Number: Bracket type _____ Post type _____ Size lamps _____
 8. Interior installations: Lighting and misc. appliances, total kilowatts connected _____
 Ranges: Total kilowatts connected _____ Number installed _____
 Water heaters: Total kilowatts connected _____ Number installed _____
 Air heaters: Total kilowatts connected _____ Number installed _____
 Fans: Number of A.C. installed _____ Number of D.C. installed _____
 Motors: A.C., total horsepower connected _____ Number installed _____
 Motors: D.C., total horsepower connected _____ Number installed _____
 List miscellaneous Government-owned apparatus, giving group designations, total quantities and kilowatt ratings: _____
 Privately owned appliances: Total kilowatts connected (estimated) _____

Remarks: The electric light and power system at this station
owned by Public Utility District No. 2, Ilwaco, Washington.

Submitted By Max J. Durham
 MAX J. DURHAM, Capt., C. of E.
 Date JULY 28, 1942

Approved By Philip I. Baker
 PHILIP I. BAKER, Lt. Col., C. A. C.
 Date JULY 28, 1942

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COMPLETION REPORT
MOTORS

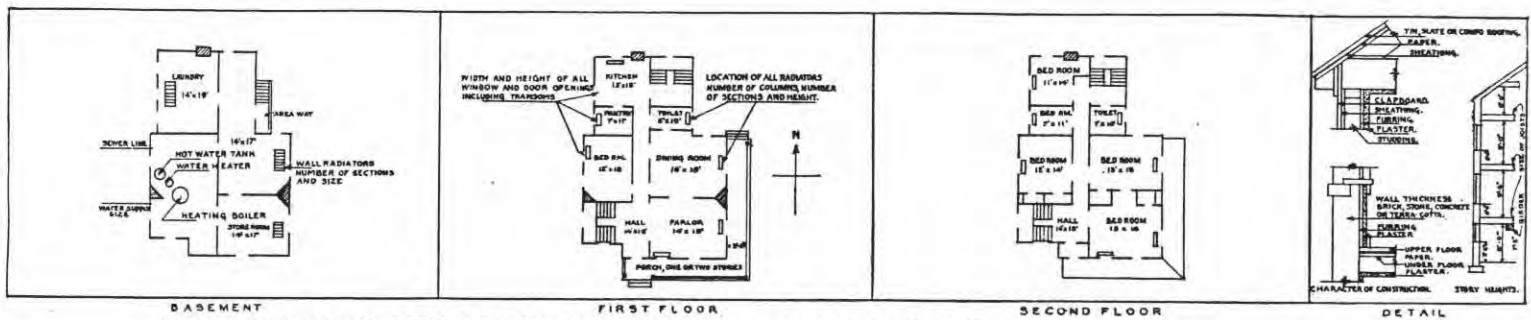
Post: Fort Columbia, Washington

Date July 28, 1942

Name of Manufacturer	Serial No.	Type	Frame	H.P.	Volts	Amps	R.P.M.	A.C. or D.C.	Phase	Bldg. # Location	Date of Install.	Usage	Drive	Orig. Cost	Control Equip.		Remarks
															Make	Type	
General Elec.		FC	224	1	110-220	9.1	3460	"	--	1	9	----	Direct	----	----	Auto	Serviceable
													Bump Vcc.				
General Elec.		FC	224	1	110-220	9.1	3460	"	--	1	9	----	Direct	----	----	Auto	Serviceable
													Bump Vcc.				
General Elec.		KC	63A	1/2	110-220		1725	"	--	1	T100	----	Fan Belt	----	----	Auto	Serviceable
						7.2-3.6											
General Elec.		KC	63A	1/2	110-220		1725	"	--	1	T110	----	Fan Belt	----	----	Auto	Serviceable
						7.2-3.6											
General Elec.		KC	63A	1/2	110-220		1725	"	--	1	T120	----	Fan Belt	----	----	Auto	Serviceable
						7.2-3.6											

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B.C.D. 1



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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A large grid area for providing data for the building plans.

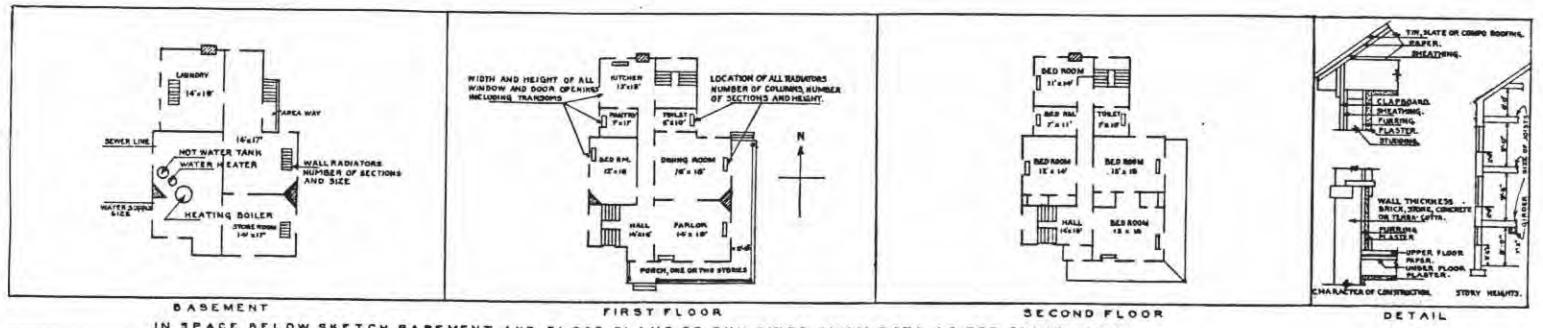
REMARKS												
Basement				1st Floor cont'd				2nd Floor cont'd				
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	
Cellar	32'6"	25'5"	8'	Pantry	6'10"	8'	10'	Bathroom	5'10"	8'	9'	
Boiler room	10'7"	11'9"	8'	Pantry	8'	12'	10'	Bedroom	10'11"	15'2"	9'	
Coal room	7'2"	11'9"	8'	Hall	10'8"	17'8"	10'	Bedroom	13'2"	18'	9'	
				Hall	4'3"	15'10"	10'	Bedroom	12'10"	16'2"	9'	
1st Floor				2nd Floor								
Parlor	14'8"	15'10"	10'	Bedroom	11'10"	12'10"	9'	Hall	4'3"	15'10"	9'	
Living room	10'11"	15'2"	10'	Closet	6'8"	8'	9'	Hall	10'6"	8'10"	9'	
Dining room	14'10"	13'	10'	Bathroom	5'10"	8'	9'	Closet	3'6"	5'6"	9'	
Kitchen	11'10"	12'10"	10'					Closet	3'6"	3'6"	9'	
								Closet	3'3"	5'9"	9'	
								Closet	1'9"	9'6"	9'	

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights, etc.

B.L.O. 2



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

REMARKS											
Basement				1st. Floor cont'd				2nd Floor Cont'd			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Boiler room	10'2"	11'	3'	Dining room	12'6"	16'10"	9'	Hall	3'8"	16'6"	9'
Coal room	5'4"	6'7"	8'	Parlor	13'6"	16'4"	9'	Bathroom	6'6"	9'6"	9'
Store room	5'4"	5'6"	8'	Hall	5'2"	11'9"	9'	Hall	3'4"	14'4"	9'
Wash room	12'2"	14'10"	8'	Hall	9'8"	11'3"	9'	Closet	3'4"	3'	9'
Store room	12'6"	16'4"	8'								
Cellar	12'7"	16'2"	8'								
				2nd Floor							
1st. Floor				Bedroom							
Kitchen	12'2"	13'1"	9'	Bedroom	12'4"	12'6"	9'				
Pantry	5'7"	8'	9'	Bedroom	13'6"	16'8"	9'				

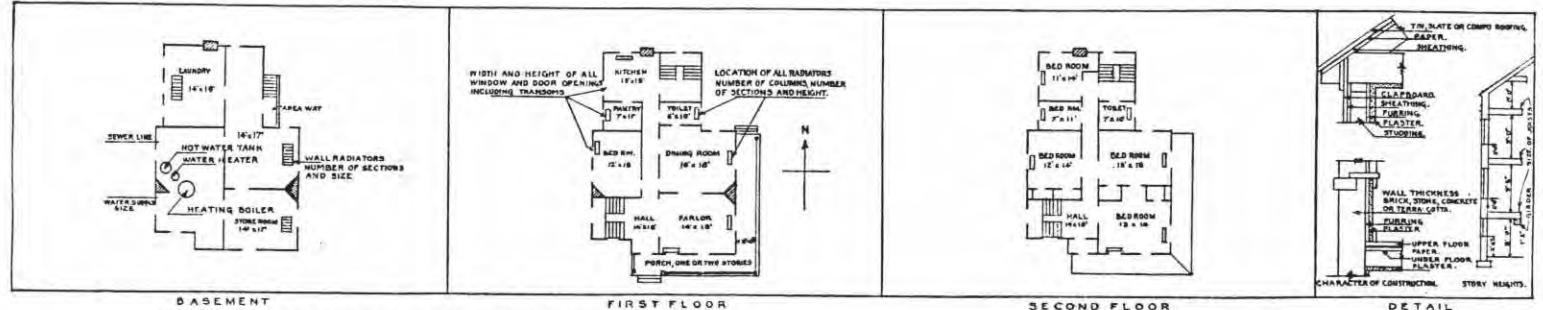
INSTRUCTIONS

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If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights,

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Bld. 3



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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Basement				1st Floor cont'd				2nd Floor cont'd			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Boiler room	10'2"	11'	8'	Dining room	12'6"	16'10"	9'	Hall	3'8"	16'8"	9'
Coal room	5'4"	5'7"	8'	Parlor	13'6"	16'4"	9'	Bathroom	5'6"	5'8"	9'
Store room	5'4"	5'5"	8'	Hall	5'2"	11'9"	9'	Hall	3'4"	14'4"	9'
Wash room	12'2"	14'10"	8'	Hall	9'6"	11'3"	9'	Closet	3'4"	3'	9'
Store room	12'6"	16'4"	8'	2nd Floor.							
Cellar	12'7"	16'2"	8'	Bedroom	12'2"	13'1"	9'				
				Bedroom	12'4"	12'6"	9'				
1st. Floor				Bedroom	13'6"	16'8"	9'				
Kitchen	12'2"	13'1"	9'								
Pantry	5'7"	8'	9'								

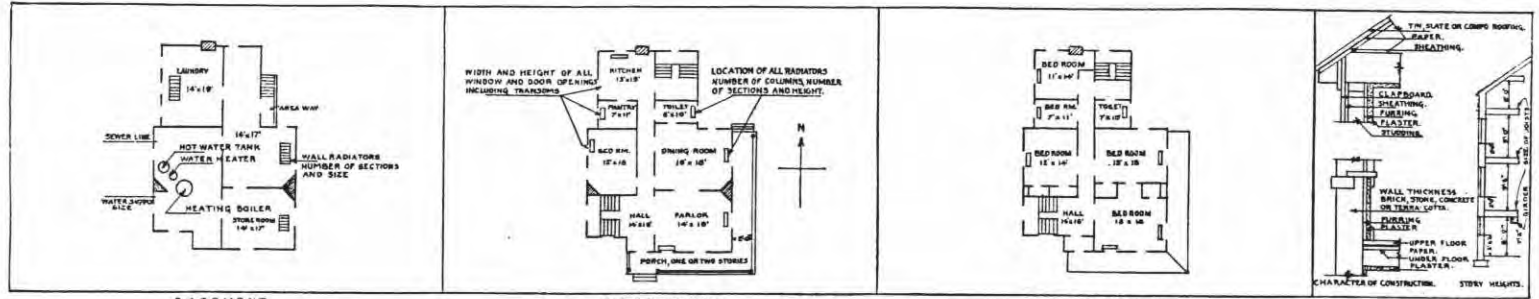
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water sewer connections. In space under heading "Details" show character of construction, story heights

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B.D. 4



BASEMENT
IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

FIRST FLOOR

SECOND FLOOR

DETAIL

[Grid area for drawing]			
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REMARKS

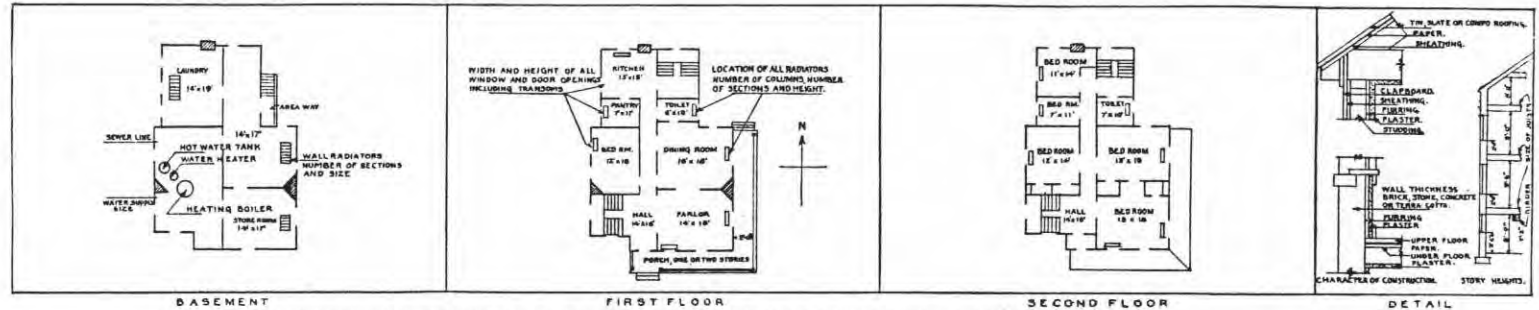
1st Floor				2nd Floor			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Office	14' 7"	15'	10'	Class room	14' 7"	30' 6"	10'
Office	14' 7"	15'	10'	Class room	14' 7"	30' 6"	10'
Office	13' 3"	14' 7"	10'	Storeroom	8'	25' 3"	10'
Office	14' 7"	16' 1"	10'	Hall	7'	8'	10'
Toilet	4'	8'	10'				
Hall	8'	25' 9"	10'				

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 30 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of walls and sewer connections. In space under heading "Details" show character of construction, story height.

BCD 5



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE.

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REMARKS

1st Floor				2nd Floor			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Bedroom	11'1"	14'5"	9'	Bedroom	10'10"	17'5"	9'
Kitchen	10'10"	17'5"	9'	Bedroom	11'1"	14'8"	9'
Hall	3'	14'8"	9'	Hall	5'10"	7'	8'
Pantry	2'6"	4'	9'	Closet	2'4"	3'8"	7'
				Hall	3'	9'2"	9'

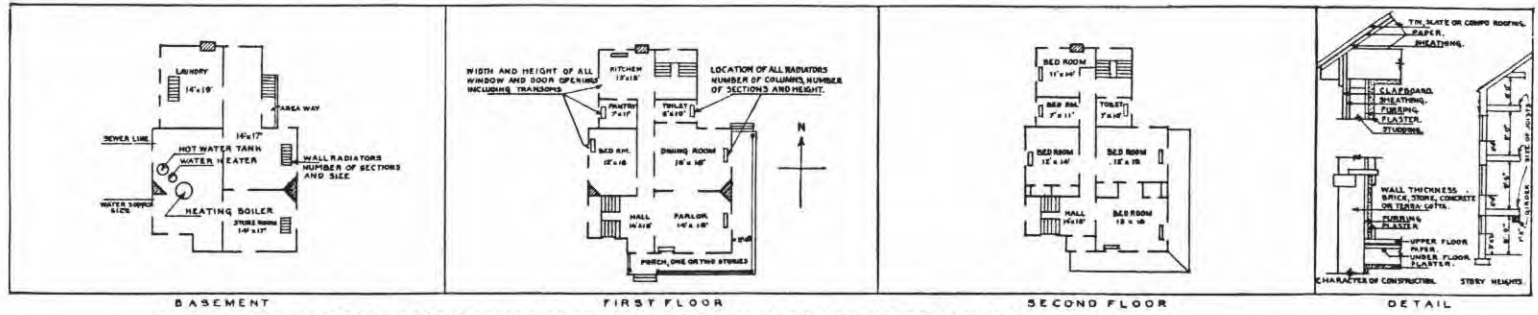
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of walls and sewer connections. In space under heading "Details" show character of construction, story heights.

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B.L.D. 6



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

--	--	--

1st Floor				REMARKS			
Designation:	Width:	Length:	Height:	2nd Floor			
Parlor	11'1"	14'3"	9'	Bedroom	10'10"	11'1"	9'
Kitchen	10'10"	12'5"	9'	Bedroom	11'1"	14'3"	9'
Hall	3'	14'3"	9'	Bathroom	5'10"	7'	8'
Pantry	2'6"	4'	7'	Closet	2'4"	3'3"	7'
				Hall	3'	9'2"	9'

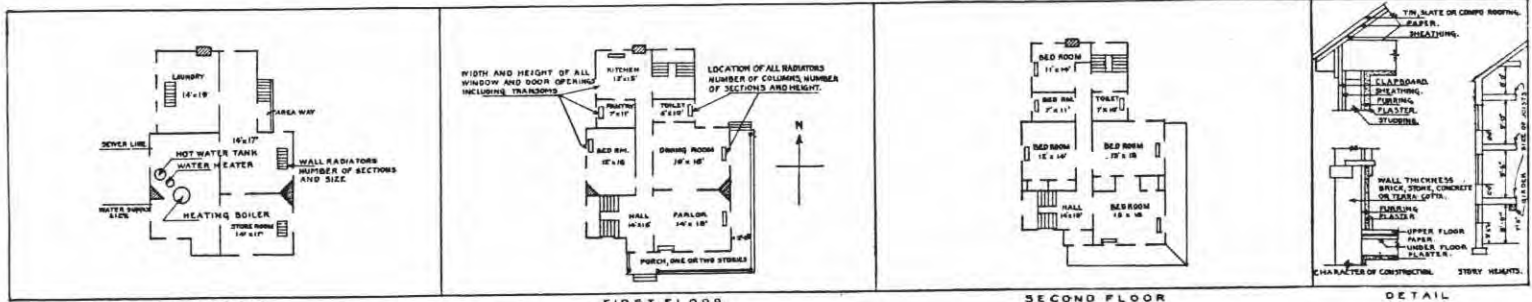
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

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Bld. 7



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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1st Floor				2nd Floor			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Kitchen	11'	18'6"	9'3"	Bedroom	12'	12'9"	9'
Parlor	12'	15'	9'3"	Bedroom	12'	13'3"	9'
Pantry	2'6"	4'	7'	Hall	3'	9'3"	9'
Hall	3'	15'	9'3"	Closet	2'6"	3'6"	9'
				Bathroom	6'7"	6'	9'

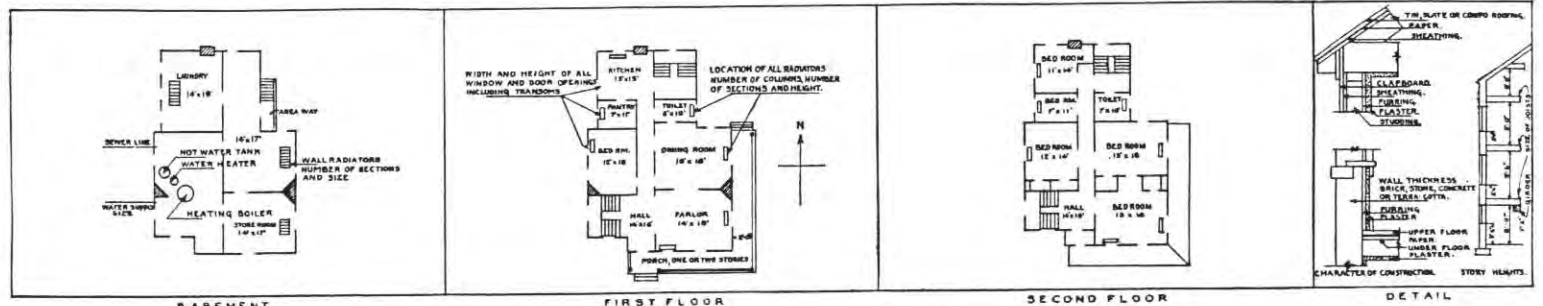
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show existing building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

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BLD 8



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

[Grid area for drawing data]											
------------------------------	--	--	--	--	--	--	--	--	--	--	--

REMARKS

Basement				1st Floor				1st Floor Cont'd			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Main room	24'	45'2"	8'	1st Ward	11'	14'1"	11'	Hall	5'6"	27'	11'
Wing	10'	14'8"	8'	Ward	14'10"	16'2"	11'	Operating Rm.	11'	16'2"	11'
Storeroom	16'	18'	8'	Office	16'	16'6"	11'	Lavatory	11'	11'	11'
				Dispensary	8'6"	16'6"	11'	Ward	16'6"	41'	11'
				Kitchen	13'10"	16'6"	11'	Attie			
				Store room	8'	8'	11'	Storeroom	41'	68'8"	8'
				Closet	3'6"	4'	11'	Storeroom	16'6"	23'	8'
				Hall	4'	8'	11'				
				Hall	7'	11'	11'				

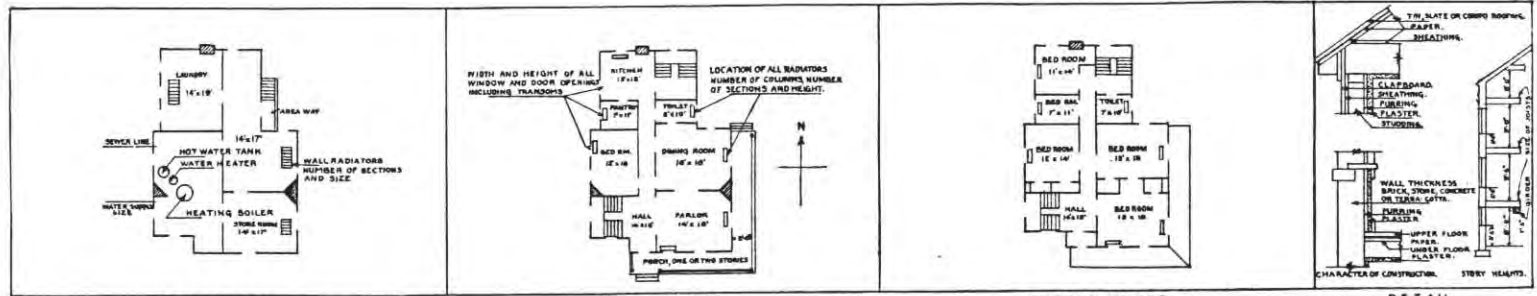
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

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BLD 9



BASEMENT FIRST FLOOR SECOND FLOOR
 IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

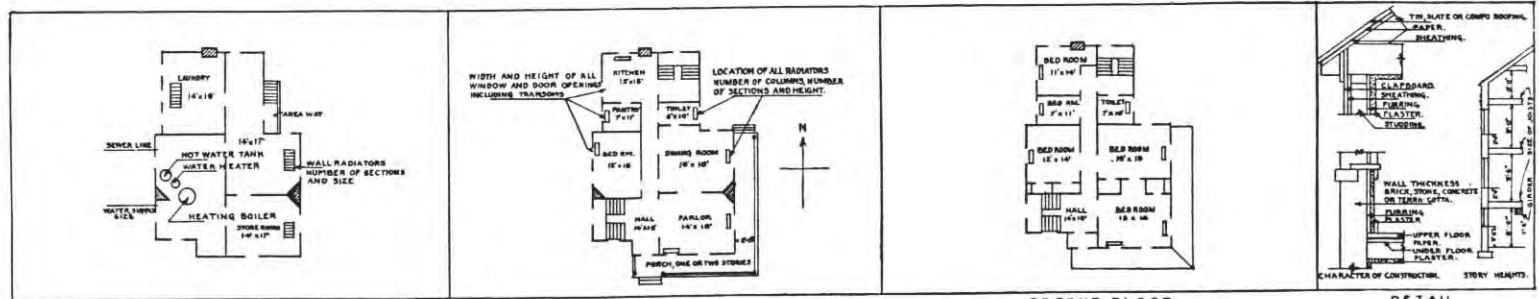
[A large grid area for providing data for the building plans, as indicated by the caption above.]											
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ARRANGEMENT OF ROOMS:				REMARKS							
1st FLOOR:				1ST FLOOR cont'd:				2ND FLOOR Cont'd:			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Kitchen	24'	24' 6"	11'	Office	11' 11"	16' 9"	11'	Hall	5'	22'	12'
Pantry	8'	8' 6"	11'	1st. Sgt. R.	11' 11"	16' 9"	11'	BASEMENT:			
Cooks R.	8'	10' 6"	11'	Squad R.	24' 6"	44' 4"	11'	Work Shop	13'	22' 6"	8'
Broad R.	9' 4"	13'	11'	2ND FLOOR:				Store R.	22' 6"	30' 4"	8'
Dining R	26' 6"	43'	11'	2-Squad R.	24' 6"	48' 9"	12'	Store R.	23' 5"	47' 6"	8'
Hall	10' 7"	22'	11'	2-Squad R.	24' 6"	44' 4"	12'	Boiler R.	23' 5"	47' 6"	8'
Barber Shop	9'	16' 3"	11'	2-Store R.	10' 7"	10' 9"	12'	Coal R.	15' 7"	16'	8'
Day R.	24' 6"	31' 6"	11'	Tailor Shop	9'	10' 9"	12'	Lav. & Bath R.	22' 6"	43' 4"	8'
								Hall	9' 11"	22'	8'

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of stairs and sewer connections. In space under heading "Details" show character of construction, story height, etc.

Bld 10



BASEMENT FIRST FLOOR SECOND FLOOR
 IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

Grid area for drawing				Detail area
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ARRANGEMENT OF ROOMS:				REMARKS
1ST FLO. R.:				
Designation:	Width:	Length:	Height:	
Oven R.	20' 6"	32'	10'	
Bakers R.	10'	10'	10'	
Bread R.	10'	10'	10'	

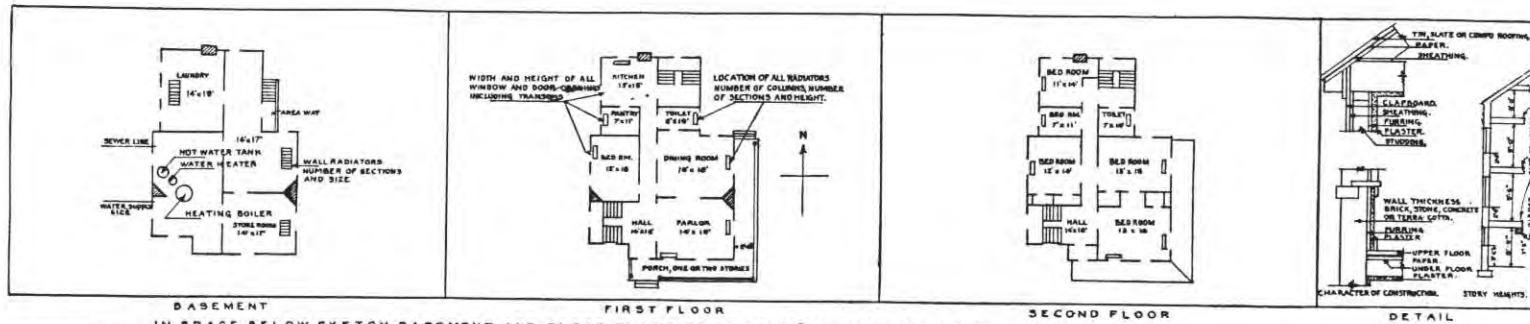
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted. If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height, etc.

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B.L.D. 11

REPRODUCED AT THE NATIONAL ARCHIVES



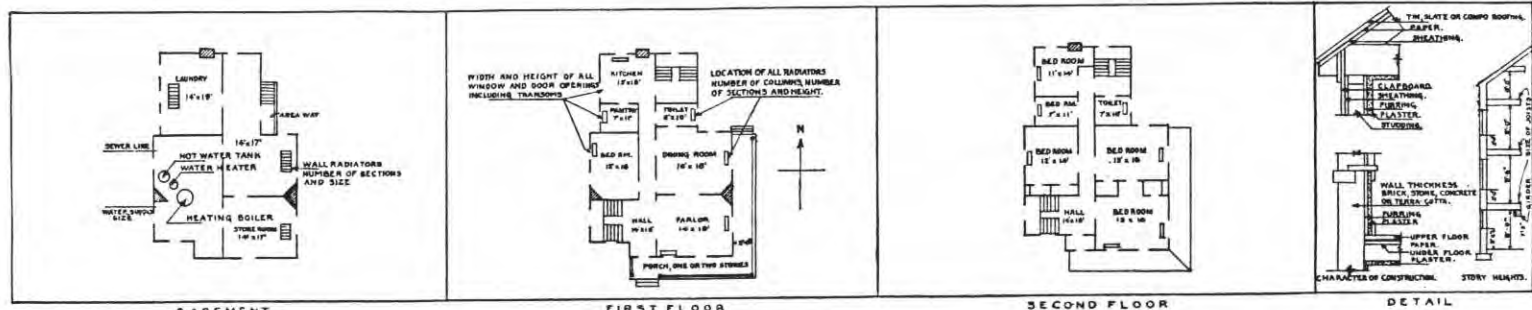
ARRANGEMENT OF ROOMS	REMARKS
1st Floor:	
Designation: Width: Length: Height:	
Guard room 14' 7" 27' 6" 10' 1"	
Office 12' 14' 4" 10' 1"	
Prison room 14' 11" 20' 10' 1"	
Lavatory 4' 6" 7' 6" 10' 1"	
Lavatory 4' 6" 7' 6" 10' 1"	

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 16 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of wall and sewer connections. In space under heading "Details" show character of construction, story height:

Bld 13



BASEMENT
IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

FIRST FLOOR

SECOND FLOOR

DETAIL

ARRANGEMENT OF ROOMS				REMARKS			
Designation:	Widths:	Length:	Height:	Designation:	Width:	Length:	Height:
Office	9'11"	12'1"	9'1"	2nd Floor:			
Office	9'11"	12'1"	9'1"	Storeroom	24'8"	28'6"	6' Av.
Office	15'8"	24'8"	9'1"	Storeroom	24'8"	44'4"	6' Av.
Sales room	24'8"	28'6"	9'1"				
Store room	18'1"	24'5"	9'1"				
Issue room	9'11"	12'	9'1"				
Lavatory	6'	8'	9'1"				

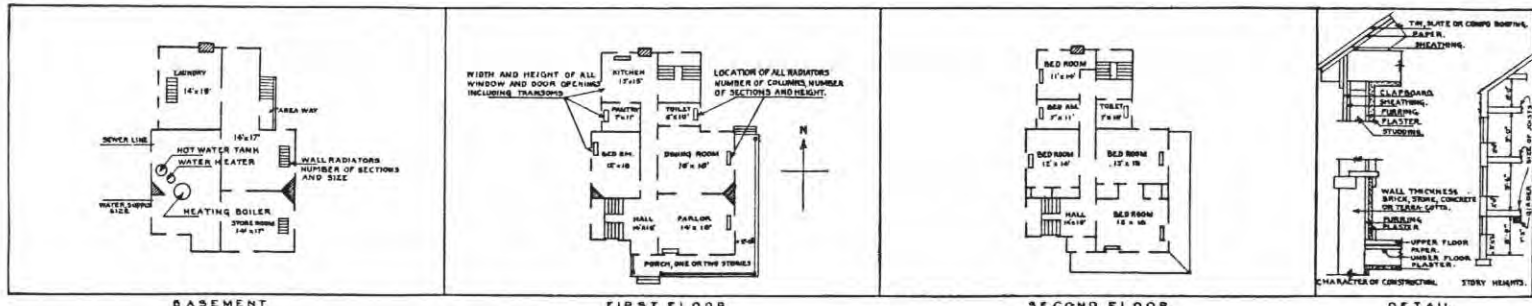
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights.

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51718



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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REMARKS

1st Floor:	Designation:	Width:	Length:	Height:
	Oil room	13'2"	20'1"	10'

INSTRUCTIONS

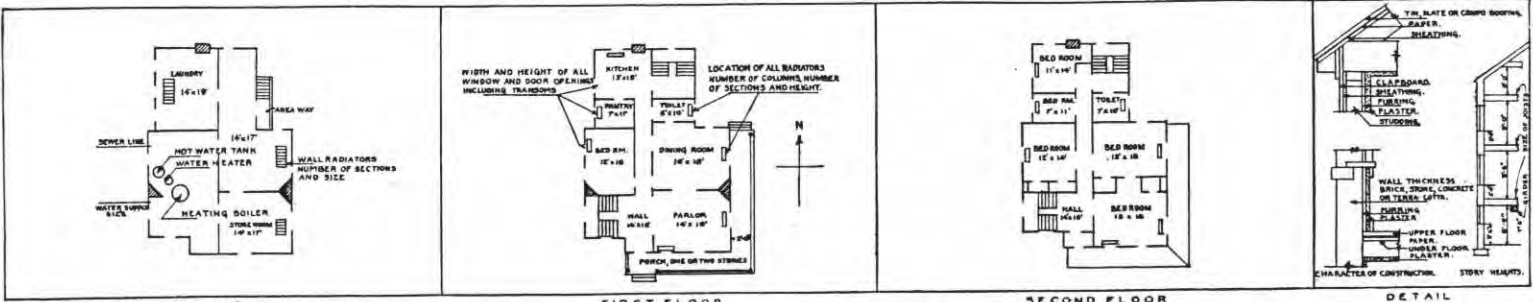
If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

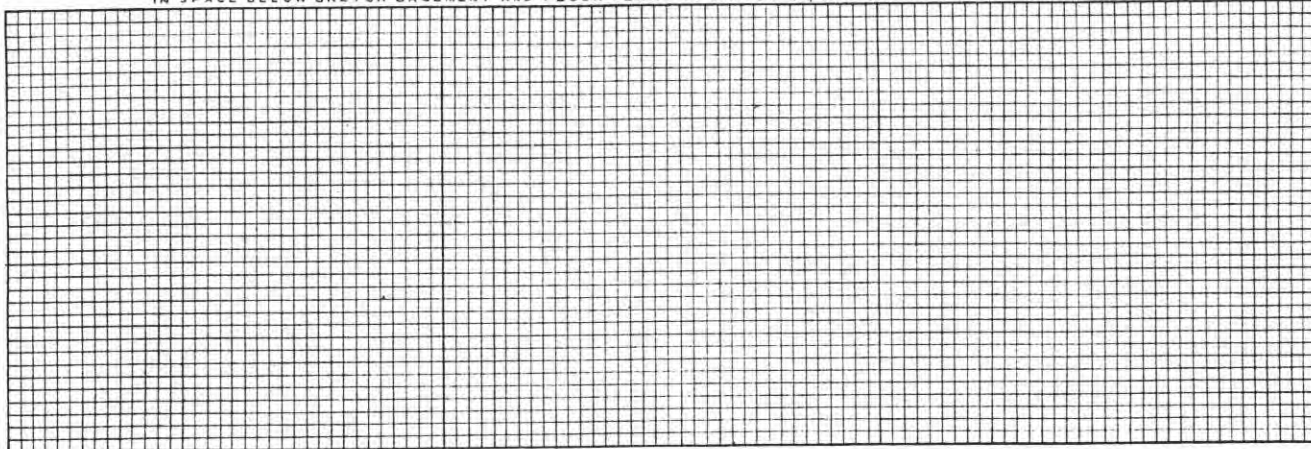
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Bld 17

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BASEMENT
IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE



Basement:				1st Floor cont'd REMARKS				2nd Floor cont'd			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Storeroom	11'11"	12'10"	8'	Pantry	6'	8'	10'	Bedroom	15'4"	15'10"	9'
Cellar	15'11"	11'11"	8'	Hall	11'6"	17'	10'	Bedroom	14'8"	15'10"	9'
Boiler room	14'	17'1"	8'	Hall	4'6"	20'9"	10'	Closet	3'6"	5'8"	9'
Coal room	14'	14'8"	8'	Hall	5'	7'	10'	Closet	3'	6'	9'
Hall	8'3"	22'3"	8'	Closet	3'6"	4'	10'	Closet	3'7"	3'7"	9'
1st Floor				2nd Floor:				Closet			
Kitchen	13'	13'	10'	Bedroom	9'10"	13'	9'	Closet	3'	3'6"	9'
Pantry	8'	10'6"	10'	Bathroom	8'	10'6"	9'	Closet	3'6"	3'6"	9'
Study	12'	15'	10'	Bathroom	7'	7'	9'	Hall	11'7"	17'1"	9'
Dining room	15'	18'	10'	Bedroom	12'	15'	9'	Hall	4'6"	20'9"	9'
Parlor	15'7"	15'7"	10'					Hall	4'6"	7'	9'

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in space above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

Place Fort Columbia, Washington.
 Designation of building N.C.O. Quarters Capacity 1
 Total cost, \$ 2419.75 Date completed January 1905
 Material: Walls Frame Foundation Stone
 Roof Slate Floors Wood
 Total floor area above basement, square feet 743
 Size: Main building 13'0" x 18'6" Wings _____ Basement _____
 a Stoves Height of first floor above ground _____
 (How heated)
 b _____ How lighted Electric
 (Type of heat) Water connections Yes
 c Coal Sewer connections Yes
 (Type of domestic hot water heater) Gas connections No

COOKING RANGES INSTALLED (Give quantity and size)	REFRIGERATORS INSTALLED (Give quantity and size)	METERS INSTALLED (Give quantity and capacity)
Coal _____	Gas _____	Gas _____
Gas _____	Electric _____	Electric _____
Electric _____	Ice _____	Oil _____
Oil _____		Steam _____
Steam _____		Water _____



ADDITIONS AND INSTALLATIONS

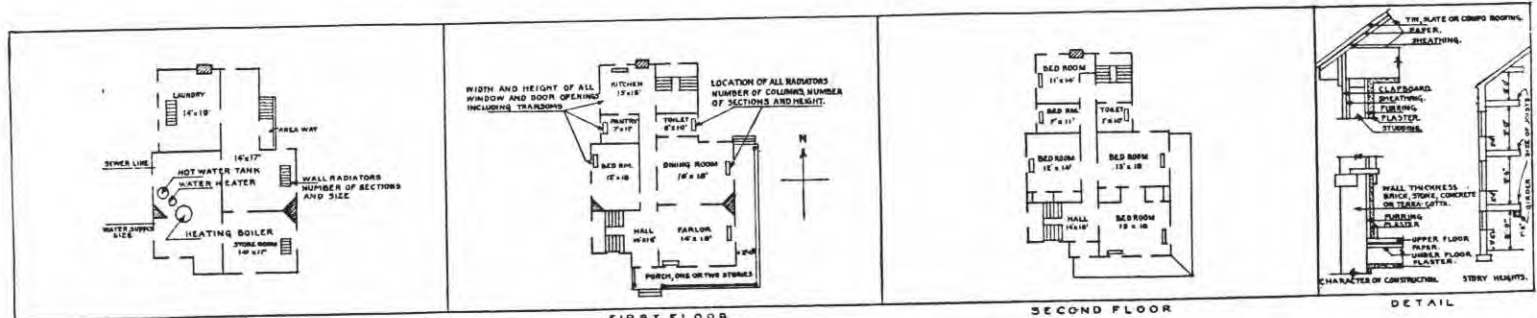
(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

DATE	COST	DATE	COST
REPAIRS (Brought forward to June 30/37). Brought forward #1296.46			

INSTRUCTIONS.—“a” State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
 “b” State whether steam, vapor, hot water, or hot air.
 “c” State whether gas, coal, oil, or central heating plant.

See reverse side of form.

Bed. 18



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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				REMARKS			
Basement:				2nd Floor:			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Cellar	16'2"	24'4"	8'	Bedroom	10'10"	11'1"	9'
				Bedroom	11'1"	14'8"	9'
				Bathroom	5'10"	7'	8'
				Closet	2'4"	3'8"	9'
1st Floor:							
Kitchen	10'10"	17'5"	9'1"				
Parlor	11'1"	14'8"	9'3"				
Closet	2'6"	4'	9'6"				
Hall	3'	14'8"	9'6"				

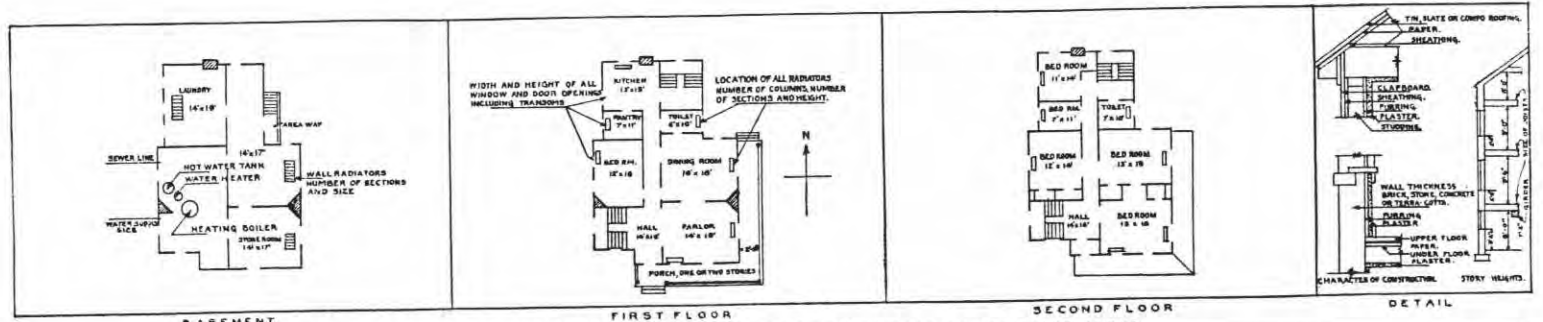
INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

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Blot. 19



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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Basement:				2nd Floor:			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Cellar	16'2"	24'4"	8'	Bedroom	10'10"	11'1"	9'
				Bedroom	11'1"	14'8"	9'
				Bathroom	5'10"	7'	9'
				Closet	2'4"	3'8"	9'
1st Floor:							
Kitchen	10'10"	17'5"	9'				
Parlor	11'1"	14'8"	9'				
Closet	2'6"	4'	9'				
Hall	3'	14'8"	9'				

INSTRUCTIONS

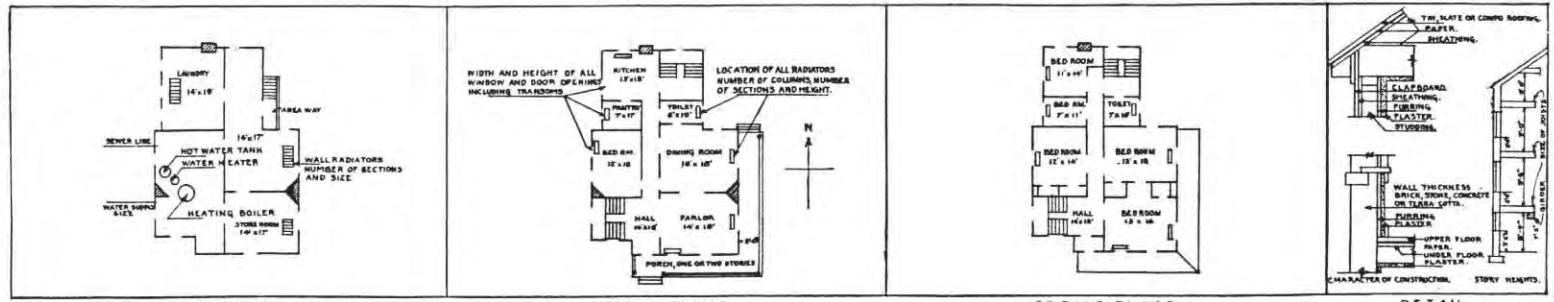
If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water sewer connections.

In space under heading "Details" show character of construction, story height.

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Bld. 20



BASEMENT FIRST FLOOR SECOND FLOOR
IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

REMARKS			
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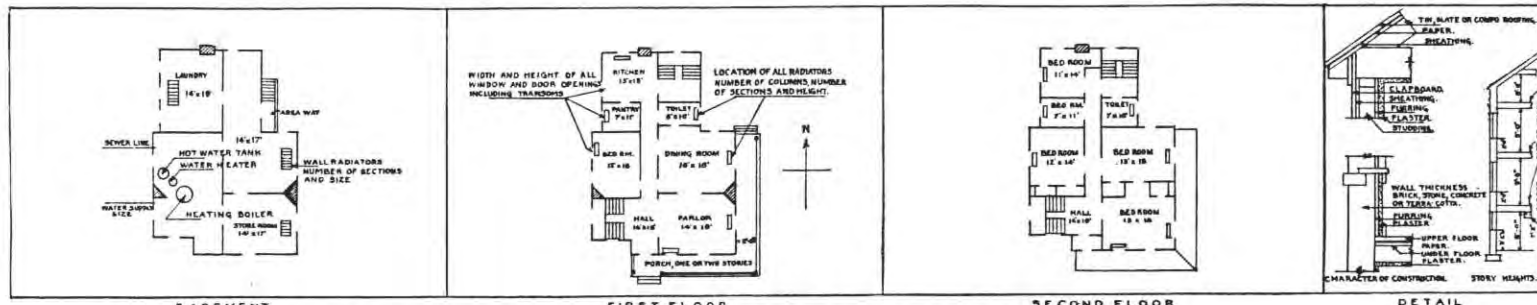
Designation:	Width:	Length:	Height:
Office	11'	14'	11'
Office	11'	14'	11'
Storeroom	28'6"	68'6"	11'

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.
 If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There should be 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of walls and sewer connections. In space under heading "Details" show character of construction, story heights.

REPRODUCED AT THE NATIONAL ARCHIVES

Bld. 22



BASEMENT FIRST FLOOR SECOND FLOOR DETAIL
 IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE.

REMARKS			
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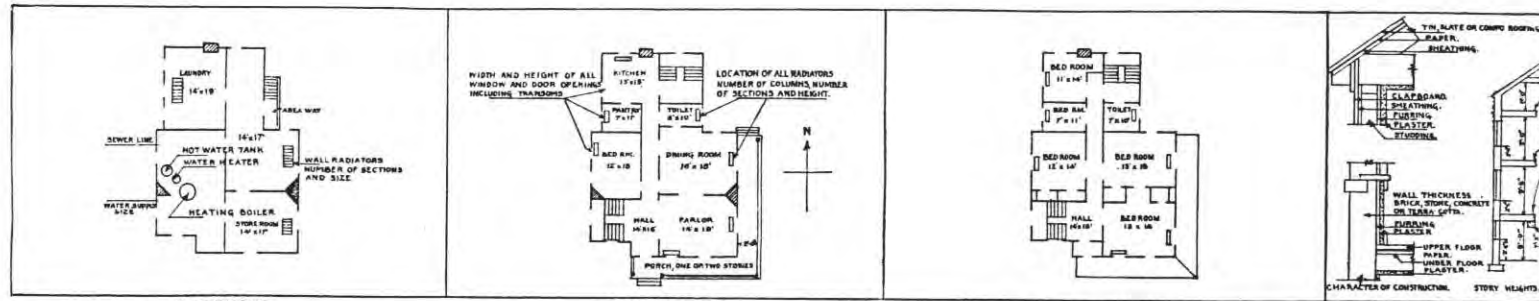
Main Floor:
 Designation: Width: Length: Height:
 Main floor 21' 37' 9'

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in space above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. The building in the space allowed. Show inside dimensions and designation of each room. Indicate location of and sewer connections. In space under heading "Details" show character of construction, story height, etc.

Bld 26



IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

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REMARKS

One room:	Designation:	Width:	Length:	Height:
	Room.	10'	20'	

INSTRUCTIONS

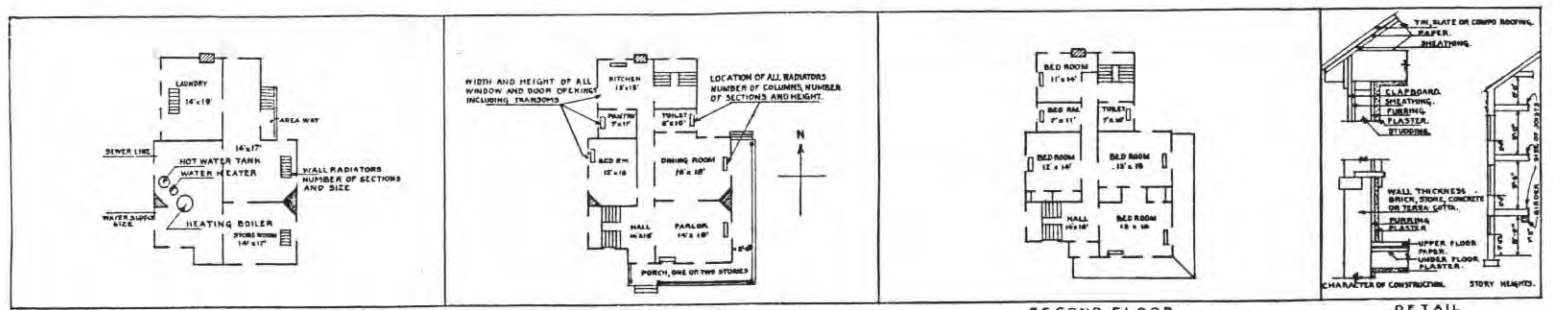
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If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show entire building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story heights.

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Old. 27

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BASEMENT FIRST FLOOR SECOND FLOOR
 IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

Grid area for drawing							
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REMARKS

Basement:				1st Floor Cont'd.			
Designation:	Width:	Length:	Height:	Designation:	Width:	Length:	Height:
Boiler room	12'8"	25'10"	8'	Storeroom	14'	8'	10'
				Reading room	14'	9'6"	10'
				Sales room	14'	18'	10'
				Hall	8'6"	40'6"	10'
1st Floor:							
Lavatory	14'	5'6"	10'				
Hall	6'	20'	10'				
Pantry	14'	9'	10'				
Office	14'	15'6"	10'				
Kitchen	14'	7'	10'				
Library	14'	24'	10'				
Storeroom	12'	13'6"	10'				

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.

If plans are not available make sketch plans and elevation in spaces allowed. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There should be 10 squares to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections.

In space under heading "Details" show character of construction, story height, etc.

Post Plan No.

O.Q.M.G.: Plan No. Record Building No. 29

Place Fort Columbia, Washington
 Designation of building Flagstaff Capacity
 Total cost, \$ Unknown Date completed Unknown
 Material: Welded Steel Foundation Concrete
 Roof Floors
 Total floor area above basement, square feet
 Size: Main building Wings Basement
 a (How heated) Height of first floor above ground
 b (Type of heat) How lighted
 c (Type of domestic hot water heater) Water connections Sewer connections Gas connections

COOKING RANGES INSTALLED (Give quantity and size)
 Coal Gas Electric Oil Steam

REFRIGERATORS INSTALLED (Give quantity and size)
 Gas Electric Ice

METERS INSTALLED (Give quantity and capacity)
 Gas Electric Oil Steam Water



ADDITIONS AND INSTALLATIONS

(Below enter chronologically all modifications, additions, introductions of water, sewer, lights, heating, etc.)

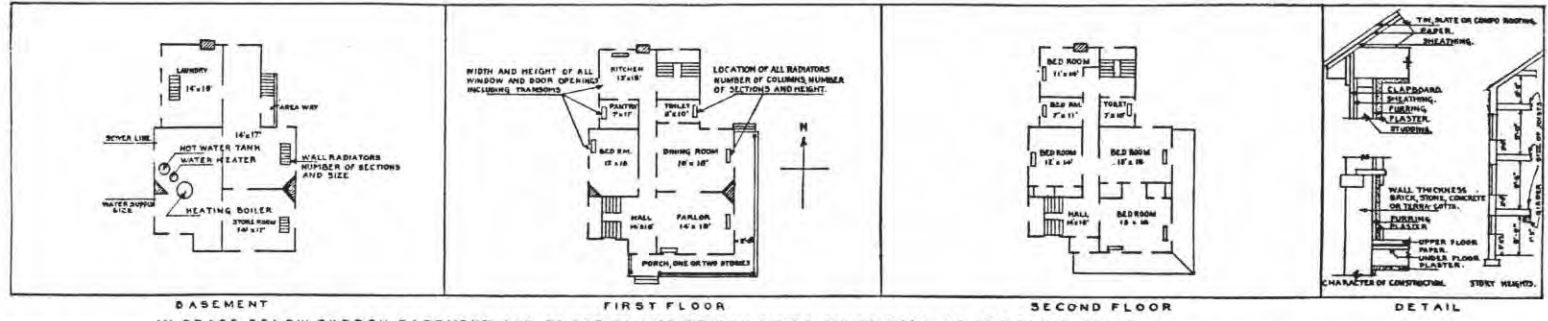
DATE	REMARKS	COST	DATE	COST
June 30/37	Repairs (Brought fwd. to June 30/37)	\$ 58.00		

INSTRUCTIONS.—"a" State whether heated from central heating or by individual heating plants, stoves, furnaces, or fireplaces.
 "b" State whether steam, vapor, hot water, or hot air.
 "c" State whether gas, coal, oil, or central heating plant.

See reverse side of form.

3-5891

Bld. 30



BASEMENT FIRST FLOOR SECOND FLOOR
 IN SPACE BELOW SKETCH BASEMENT AND FLOOR PLANS OF BUILDINGS, GIVING DATA AS PER PLANS ABOVE

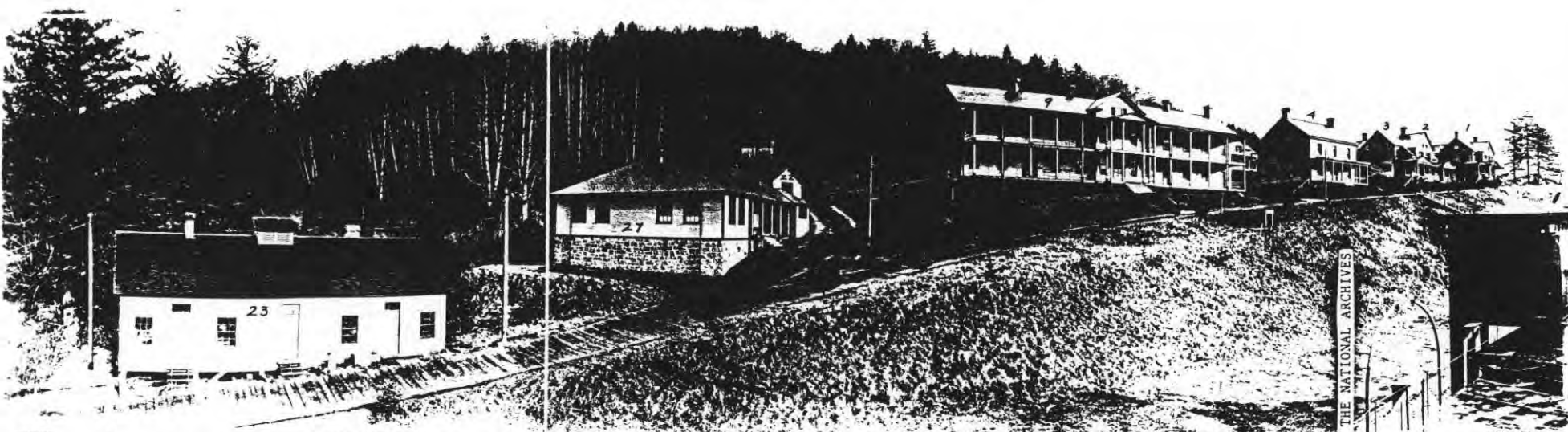
REMARKS

1st Floor:			
Designation:	Width:	Length:	Height:
Kitchen	9'6"	19'3"	9'
Parlor	14'3"	15'3"	9'
Bedroom	10'8"	15'3"	9'

INSTRUCTIONS

If plans of building are available, forward copy of same showing information called for above. These plans should be checked against the building and any variations from same in the building as constructed should be noted.
 If plans are not available make sketch plans and elevation in spaces above. The plans shown are typical of "quarters." Similar plans may be made for all types of buildings. There are 1 square to the inch. Each square will represent 1', 2', 4', or 8', etc., as may be necessary to show or building in the space allowed. Show inside dimensions and designation of each room. Indicate location of water and sewer connections. In space under heading "Details" show character of construction, story height.

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Mine Storehouse. 23. - Post Exchange. 27. - Barracks. 9. - Headquarters. 4. - Officers Quarters. 3-2-1.
 Fire Apparatus House. 22.
 Taken Jan. 1913.



Mine Storehouse. 23. - Post Exchange. 27. - Headquarters. 4. - Q. M. Storehouse. 13. - Officers Qrs. 3-2-1.
 Barracks. 9. Hospital. 8. - Hosp. Steward's Qrs. 7.
FORT COLUMBIA, WASH.
 Taken. Jan. 1913.



Ord. Storehouse. 20. - Wagon Shed. 21. - Stable. 12. - Teamster's Qrs. 28. - Workshops. 14. - Gymnasium. 25. - Coal Shed. 16.
 Taken Jan. 1913.

REPRODUCED AT THE NATIONAL ARCHIVES



Officer's Qrs. 1 - Hospital. 8. - Surgeon's Qrs. 17.
 FORT COLUMBIA, WASH.
 Taken Jan. 1913.

W. M. Britton



Ord. Storehouse, 20. - Wagon Shed, 21. - Stable, 12 - Teamster's Qrs. 28 - Workshops, 14. - Gymnasium, 25. - Coal Shed, 16.
 Taken Jan. 1913.

REPRODUCED AT THE NATIONAL ARCHIVES



Officer's Qrs. 1 - Hospital, 8. - Surgeon's Qrs. 17.
 FORT COLUMBIA, WASH.
 Taken Jan. 1913.

W.M. Britten



*Reservoir, and Hydraulic Ram in box.
Taken Jan 1913.*

REPRODUCED AT THE NATIONAL ARCHIVES



*General view of Post from Wharf #31.
FORT COLUMBIA, WASH.
Taken Jan. 1913.*



*Reservoir, and Hydraulic Ram in box.
Taken Jan 1913.*

REPRODUCED AT THE NATIONAL ARCHIVES



*General view of Post from Wharf #31.
FORT COLUMBIA, WASH.
Taken Jan. 1913.*