APPENDIX G

HOSPITAL INCINERATOR APPROVAL TO OPERATE
FORT McCLELLAN, ALABAMA
(as received)

April 30, 1979

Lte. R. C. Watson
U.S. Mary Military Police School/
Training Center
Ft. McClellan
Ft. McClellan, AL 36205

Dear Col. Watson:

On the basis of the registration form and the inspection of February 14, 1979, the incinerator located at Building 292, next to Noble Army Hospital, Ft. McClellan, is granted approval to operate.

If this office may be of any further assistance, please write or call 834-6570 in Montgomery.

Sincerely,

Terry L. Cole

Terry L. Cole
Pollution Control Specialist
Alabama Air Pollution Control Commission

TLC/ldg

91 191 Montgomery, Alabama 36130

Registration Form for the Construction, Installation, or Modification of an Incinerator

(1) Name of organization: US Army Military Police School/Training Center & Ft McClellan

(2) Street address: Fort McClellan, AL

(3) Location of incinerator: Bldg 292, located next to Noble Army Hospital

(4) Name of person applying for permit: LTC H. C. Watson

(5) Title: Director of Facilities Engineering Phone: 238-3215

(6) Signature: H C Watson

(7) Check one:

X Existing incinerator

____ New incinerator

____ Modification to existing incinerator

(8) Capacity of incinerator: 85 lbs. per hour.

(9) Name and address of manufacturer of the incinerator and its local representative:

Waste Combustion Corporation	Jared & Assoc., Inc.
P. O. Box 6295,	P. O. Box 58006
Richmond, VA 23230	Birmingham, AL 35209

(10) Manufacturer model type and trade name: Model C32P, Consumat

(11) Type of material to be burned: (Use I.I.A. classification for type of waste) On back of sheet APC 120-2.

a. Circle 0 1 2 3 (4) 5 6 Other

b. Give general description as to where the waste is generated:

Generated from Noble Army Hospital

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Alabama Air Pollution Control Commission

APC 120-1
10/77

(12) Operation schedule:

	Hours per day	Days per year
Sun.		
Mon.	3	52
Tues.		
Wed.	3	52
Thurs.		
Fri.	3	52
Sat.		

Total hours per year: 468

(13) Stack height above grade: 18 ft.

Stack Diameter: 18" OD XXX

(14) Cleaning devices, check:

_____ wet Scrubber, _____ water flow rate in gal/hr

_____ precipitator

X after burner, 350,000 BTU/hr

_____ other (give) _____

_____ none

(15) Type of fuel, check:

X Natural gas BTU rating in BTU/CF 350,000

_____ Other (give) _____ _____ BTU rating in BTU per ____

(16) Installed Cost Unknown

(17) Please include a detail sketch of incinerator. Attached

SUBMIT IN DUPLICATE

APC 120-2
10/77

CLASSIFICATION OF WASTES

Type 0 -- Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings, from commercial and industrial activities. The mixtures contain up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags and plastic or rubber scraps.

This type of waste contains 10% moisture, 5% incombustible solids and has a heating value of 8500 B.T.U. per pound as fired.

Type 1 Rubbish, a mixture of combustible waste such as paper, cardboard, cartons, wood scraps, foliage and combustible floor sweepings, from domestic, commercial and industrial activities. The mixture contains up to 20% by weight of restaurant or cafeteria waste, but contains little or no treated papers, plastic or rubber wastes.

This type of waste contains 25% moisture, 10% incombustible solids, and has a heating value of 6500 B.T.U. per pound as fired.

Type 2 -- Refuse, consisting of an approximately even mixture of rubbish and, garbage by weight.

This type of waste is common to apartment and residential occupancy consisting of up to 50% moisture, 7% incombustible solids, and has a heating value of 4300 B.T.U. per pound as fired.

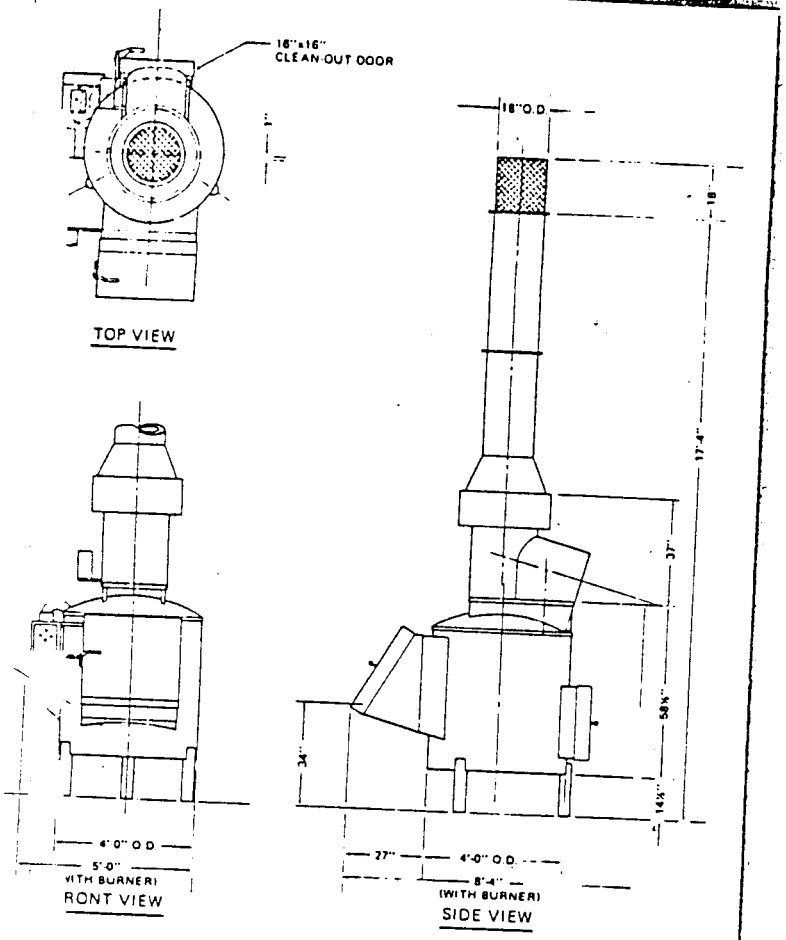
Type 3 -- Garbage, consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets, and like installations.

This type of waste contains up to 70% moisture, up to 5% incumbustible solids, and has a heating value of 2500 B.T.U. per pound as fired.

Type 4 -- Human and animal remains, consisting of carcasses, organs and solid organic wastes from hospitals, laboratories, abattoirs, animal pounds, and similar sources, consisting of up to 85% moisture, 5% incstible solids, and having a heating value of 1000 B.T.U. per pound as fired.

Type 5 -- By-product waste, gaseous, liquid or semi-liquid, such as tar, paints, solvents, sludge, fumes, etc., from industrial operations. B.T.U. values must be determined by the individual materials to be destroyed.

Type 6 -- Solid by product waste, such as rubber, plastics, wood waste, etc. from industrial operations. B.T.U. values must be determine by the individual materials to be destroyed.



CONSUMAT® MODEL C-32P

CAPACITY 85 Lbs. Per Hour
APPROX. WEIGHT 6900 Lbs.
BURNERS
Upper Chamber 350,000 BTU/Hr.
Lower Chamber 350,000 BTU/Hr.
ELECTRICAL SERVICE 110 Volt,
Single-Phase, 60 Cycle 20 Amp Start
GAS SERVICE REQUIRED AT BURNER
6" W.C., Natural; 11" W.C. L.P.
During Burner Operation
CONTROLS Push Button

CONSUMAT® Pathological Units are capable of burning all types of waste.

© Reg. T. M. Waste Combustion Corp., Richmond, Va.

CONSUMAT® LOADING CHART

POUNDS PER HOUR
BASED ON EIGHT HOUR DAY

TYPE WASTE	C-18-P	C-32-P	C-75-P	C-120-P	C-125-P	C-225-P	C-325-P	C-550-P
0*	75	130	250	435	470	850	1230	2065
1*	95	170	320	560	600	1100	1600	2680
2	85	200	360	560	680	1050	1420	1960
3	60	145	290	450	520	815	1110	1520
4 PATHOLOGICAL	50	85	175	290	350	588	825	1080
5	Not Recommended				Survey Required			
6	Survey Required				Survey Required			

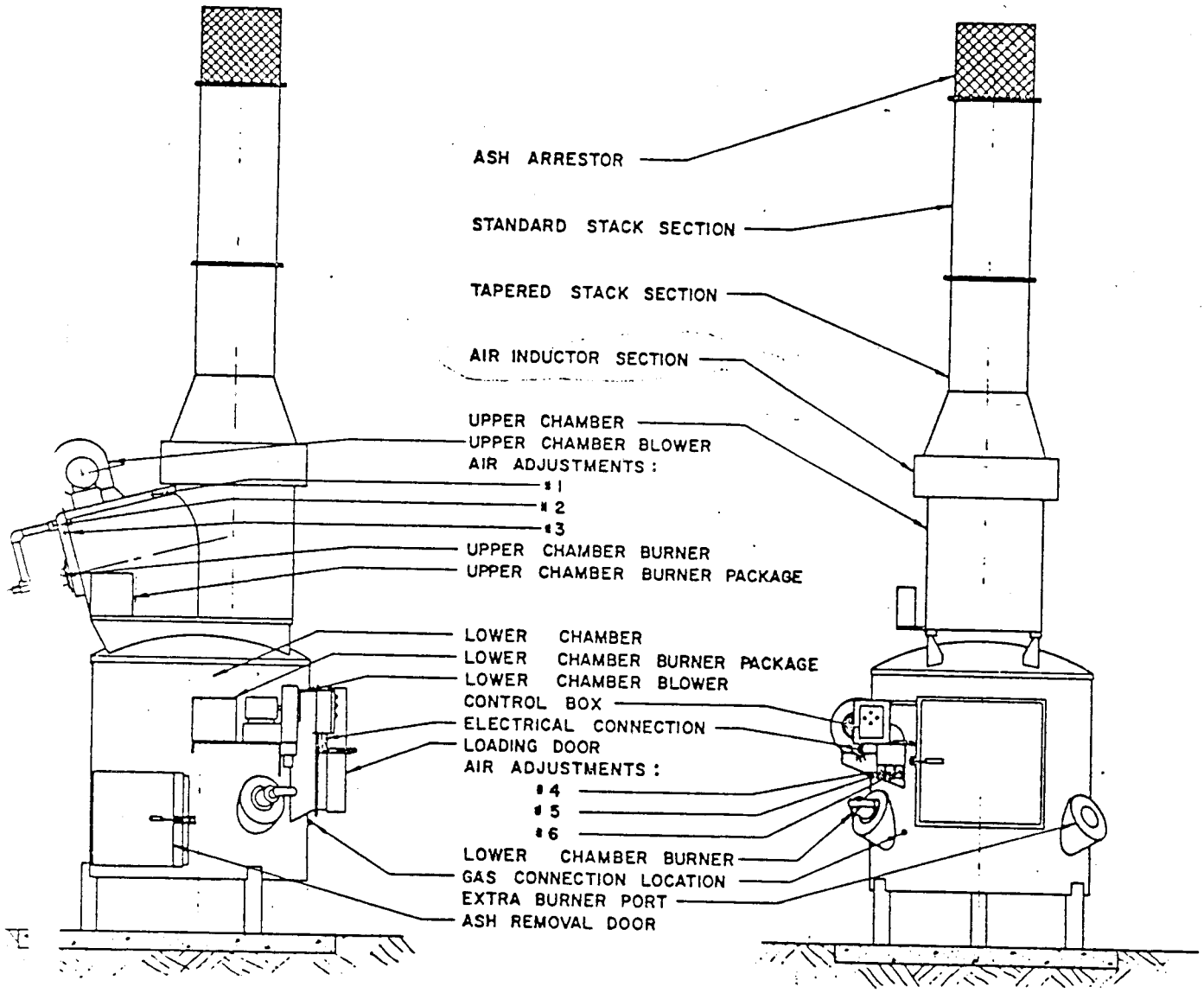
*Density of the mixture affects the burning rate of Type 0 and Type 1 waste. Rating on Model C-125 and larger is based upon use of mechanical feeding device.

SOLD AND SERVICED BY:

Box 6295, Richmond, Virginia 23230

NOMENCLATURE

Hearth Area 40" ϕ
$\pi r^2 = 1256.64$
$= 8.75$ sq Ft



SIDE VIEW

FRONT VIEW