Municipality of Anchorage
DEPARTMENT OF HEALTH AND HUMAN SERVICES
ENVIRONMENTAL SERVICES / FOOD SAFETY & SANITATION
825 L Street, P.O. Box 196650, Anchorage, Alaska 99519-6650
Telephone: (907) 343-6509 Fax: (907) 343-4786
www.muni.org

DHHS

APPLICATION FOR PLAN REVIEW

☒ **Remodel/Upgrade** ☐ **New Construction/Existing Building** ☐ **New Construction/New Building**

Establishment Name: The Herbal Cache			
Site Address: 158 Holmgren Place Girdwood	Mailing Address: PO Box 204, Girdwood, AK 99587		
Owner Name: Susan Curse / Ronda Lambert	Address: PO Box 204 Girdwood	Phone: 360-5438	Fax:
Email: susan@thecfak.com / ronda@thecfak.com			
Contact Name: Susan Curse	Address: PO Box 204 Girdwood	Phone: 360-5438	Fax:
Email: susan@thecfak.com			
Square feet: 500	If Food, Menu Provided: ☒ Yes ☐ No marijuana edibles, tinctures		
Applicants Signature: Susan Curse	Application Date: 7/13/16		

Department Notes/Comments

MOA DEPT OF H&HS
ENVIRONMENTAL SERVICES
825 L STREET
PHONE: 343-4200

7/13/2016 11:54:56 AM

Facility#FA000
Plan Review 0-1000 sq ft $220.00

Total $220.00
Check $220.00
Total Amt Tend $220.00
Change $0.00

Items 1
Clerk/5 90710 11:54

[redacted]

Amount Received:	Payment Type:	Receipt Number:	Date Received:
220	CK 1032	90710	7-13-16

Fees:

Pool/Spa

Spa:	$ 300.00	(Date Paid)
Pool 0-1600 sq. ft.:	$ 500.00	(Date Paid)
Pool 1600 sq. ft. +:	$ 750.00	(Date Paid)

Food

Food: 0-1000 sq. ft.:	$ 220.00	7/13/16 (Date Paid)
Food: 1001-4000 sq. ft.:	$ 330.00	(Date Paid)
Food: 4001 sq. ft. +:	$ 550.00	(Date Paid)

Facility ID: _____

PE: AF 20

Plan Review Project Number: _____

Plan Review: _____

72-038 Ver. 12_15

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Owner Name: Susan Curse / Ronda Lambert	Address: PO Box 204 Girdwood	Phone: 360-5438	Fax:
Email: susan@theofak.com / ronda@theofak.com			
Contact Name: Susan Curse	Address: PO Box 204 Girdwood	Phone: 360-5438	Fax:
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Square feet: 500	If Food, Menu Provided: ☒ Yes ☐ No marijuana edibles, tinctures		
Applicants Signature: Susan Curse	Application Date: 7/13/16		

Department Notes/Comments

OFFICE USE

Amount Received:	Payment Type:	Receipt Number:	Date Received:

Fees:

Pool/Spa

Spa:	$ 300.00	_____ (Date Paid)
Pool 0-1600 sq. ft.:	$ 500.00	_____ (Date Paid)
Pool 1600 sq. ft. +:	$ 750.00	_____ (Date Paid)

Food

Food: 0-1000 sq. ft.:	$ 220.00	_____ (Date Paid)
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Food: 4001 sq. ft. +:	$ 550.00	_____ (Date Paid)

Facility ID: _____

PE: _____

Plan Review Project Number: _____

Plan Review: _____

AP -

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APPLICATION FOR HEALTH PERMIT

☒ **Food Establishment** ☐ **Temporary Food** ☐ **Pool/Hot Tub** ☐ **Beauty/Barber Shop** ☐ **Pest Control**

Facility Name: The Herbal Cache	If Change of Owner, Previous Facility Name:
Owner's Name(s): Susan Case / Ronda Lambert	Name of Person To Contact: Susan Case
Site Address: 158 Holmgren Place Girdwood, AK 99587	Phone: 783-0420 Fax: Email:
Mailing Address: PO Box 204	City: Girdwood State: AK Zip: 99587
Certified Manager's Name: Manager Certificate # Certificate Expiration Date:	Operating Days/Hours: M-Sat 11-7 Sun 12-6 Seating Capacity: N/A

IF TEMPORARY FOOD, PROVIDE THE FOLLOWING

Event & Location	Date(s)	Hrs. of Operation	Approved Kitchen/ Commissary	Time of Food Prep At Kitchen

Foods To Be Served

IF PEST CONTROL, PROVIDE THE FOLLOWING

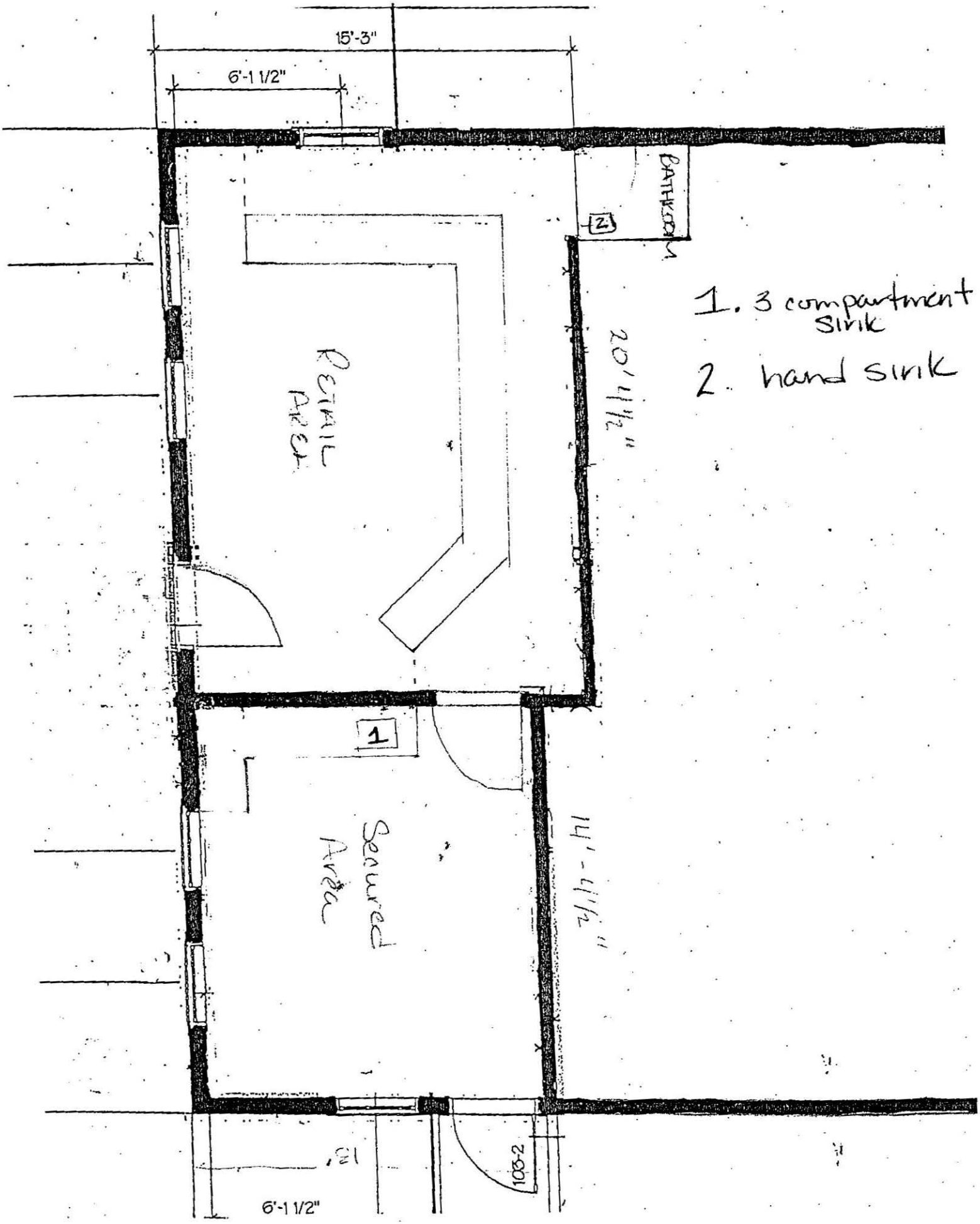
- **Pesticide applicant will comply with insurance requirements in AMC 15.75**
- **Equipment to be used • Pesticides/Chemicals used & method of application • Description of area(s) where application occurs**
- **Copy of liability insurance policy**

I Certify that I am familiar with applicable Anchorage Municipal Code of Ordinances and that the above described establishment will be operated and maintained in accordance with said Ordinances.

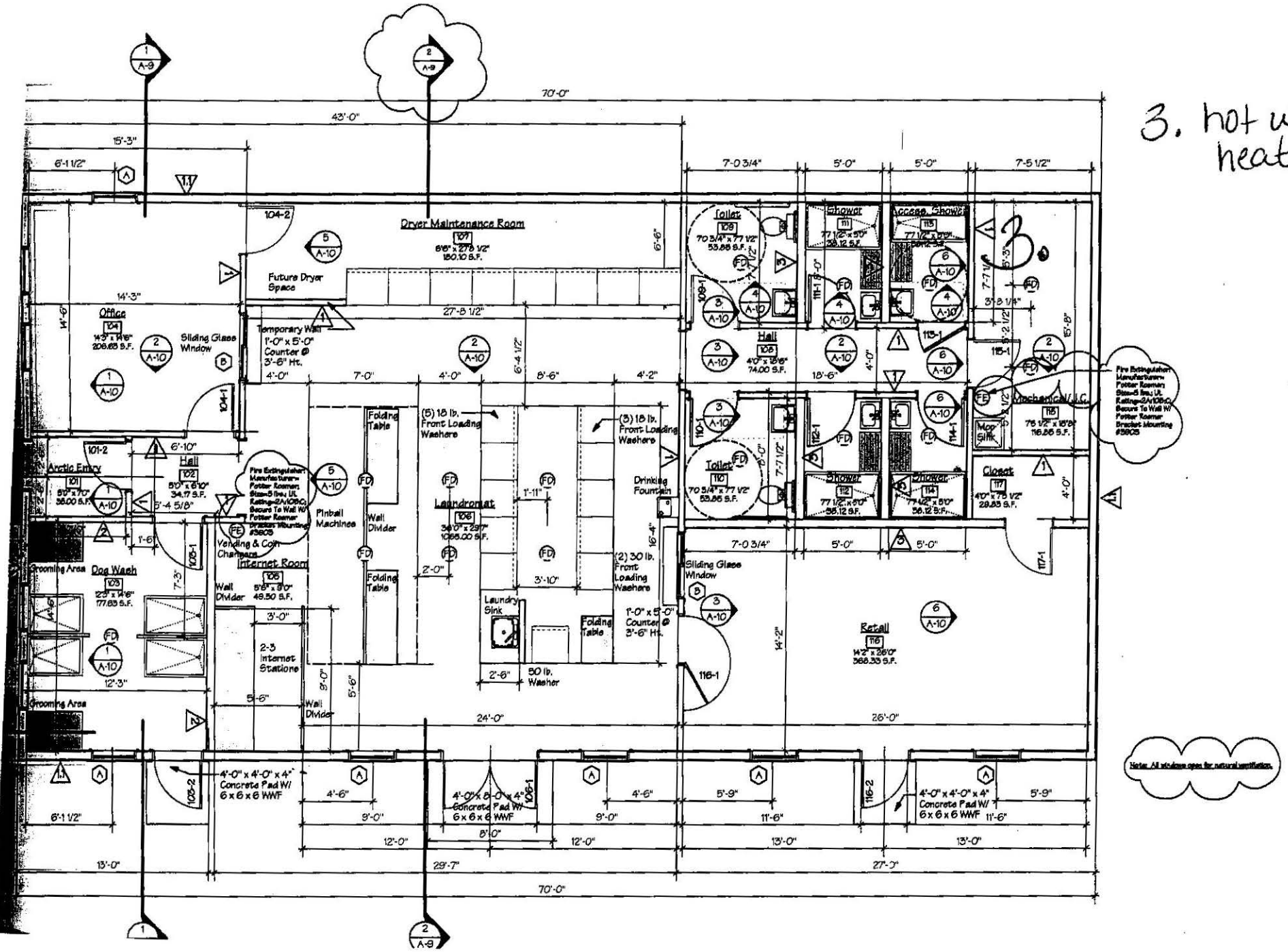
Applicant's Signature: Susan Case **Date:** 7/13/16

Facility ID	District	PE	Owner ID	Change: ☐ New ☐ Owner ☐ Name ☐ Permit Renewal ☐ Mailing Address	Invoice
Fees		Department Comments			
Payment Type		Check #		Cash Register Receipt	Date Received
Approved (MOA)				Date Approved	

70-007 Ver. 3_04 * DISTRIBUTION: WHITE-Department of Health & Human Services CANARY- Accounting PINK-Customer



1. 3 compartment sink
2. hand sink


3. hot water heater
Dryer Maintenance Room
Future Dryer Space
Office
Sliding Glass Window
Temporary Wall
Arctic Entry
Hall
Grooming Area
Dog Wash
Internet Room
Vending & Coin Changers
Pinball Machines
Folding Table
Wall Divider
Laundromat
Laundry Sink
Drinking Fountain
Toilet
Shower
Access. Shower
Mechanical/J.C.
Closet
Retail
Mop Sink
Note: All windows open for natural ventilation.

(907) 269-4933

May be revoked for failure to keep in safe condition

State of Alaska

Certificate Of Inspection/Operation

Alaska Number	*Owner No.*	*NB/Serial No.*	*Type*	*Inspected By*	*On:*	*Press/Wt*	*Cert Exp*
052428AK	Htg blr	466418	Cl Blr	**Gault, John**	**03/16**	**50**	**03/18**

MAIL TO: Girdwood Laundry & Pet Wash
Attn: Pfister, Daniel - Owner
PO Box 501
Girdwood, AK 99587-0501

LOCATION: Girdwood Laundry Bldg
Holmgren Place
Girdwood, AK 99587

Heidi Drygas
Commissioner of Labor

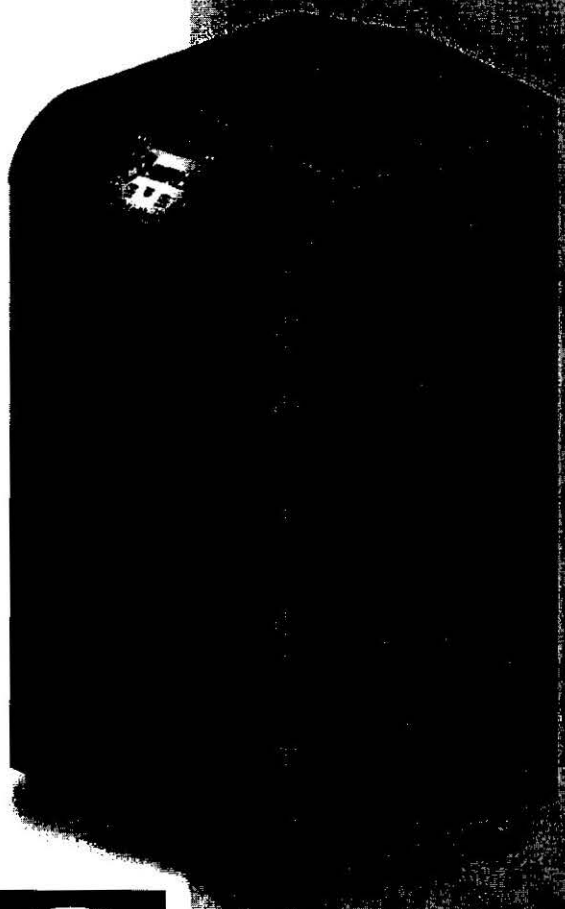
Certificate Not Valid Until Fees Are Received

Bill Walker
Governor

Installation & Operation Manual

Models: 80 - 285

Starting Serial #H07H10040039



⚠ WARNING This manual must only be used by a qualified heating installer / service technician. Read all instructions, including this manual and the Knight Boiler Service Manual, before installing. Perform steps in the order given. Failure to comply could result in severe personal injury, death, or substantial property damage.

Save this manual for future reference.

Lochinvar®

High Efficiency Water Heaters, Boilers and Pool Heaters

Ratings

DOE

Knight Boiler I=B=R Rating					Other Specifications				
Model Number Note: Change "N" to "L" for L.P. gas models.	Input MBH (Note 5)		Gross Output MBH (Note 2,7)	Net I=B=R Ratings Water, MBH (Note 3,7)	Boiler Water Content Gallons	Water Connections	Gas Connections	Air Size	Vent Size (Note 4)
	Min	Max							
KBN080	16	80	72	63	0.6	1"	1/2"	3"	3"
KBN105	21	105	94	82	0.7	1"	1/2"	3"	3"
KBN150	30	150	135	117	1.3	1"	1/2"	3"	3"
KBN210	42	210	190	165	1.7	1"	1/2"	3"	3"
KBN285	57	285	260	226	2.4	1-1/4"	3/4"	4"	4"

NOTICE Maximum allowed working pressure is located on the rating plate.

Notes:

1. As an Energy Star Partner, Lochinvar has determined that Knight boilers meet the Energy Star guidelines for energy efficiency.
2. The ratings are based on standard test procedures prescribed by the United States Department of Energy.
3. Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.15.
4. Knight boilers require special gas venting. Use only the vent materials and methods specified in the Knight Installation and Operation Manual.
5. Standard Knight boilers are equipped for operation up to 4,500 feet with no field adjustments. Output ratings will be reduced by 4% for each 1,000 feet above sea level up to 4,500 feet only.
6. High altitude Knight boilers will have a high altitude label affixed to the unit (as shown in FIG. A) and are equipped for operation of 4,501 feet to 12,000 feet only with no field adjustments. For high altitude models, output ratings will be reduced by 2% for each 1,000 feet above sea level.

   High altitude models have a different control module for altitude operation, but the operation given in this manual for standard models remains the same.
7. Ratings have been confirmed by the Hydronics Institute, Section of AHRI.

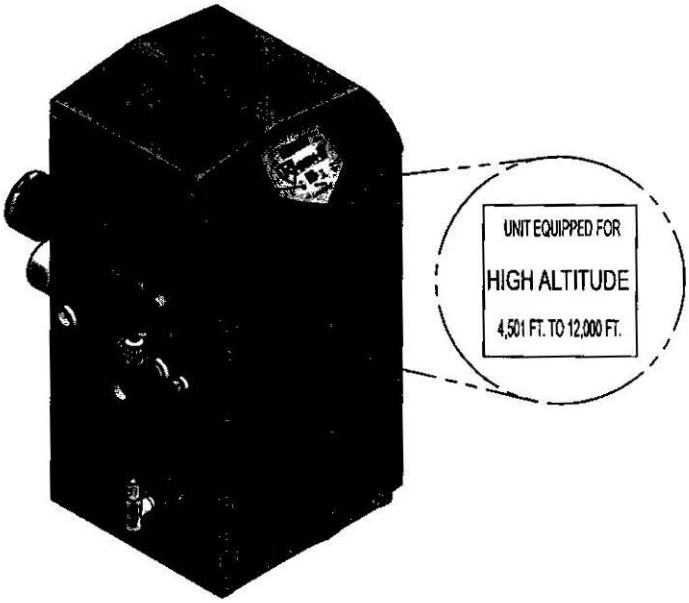


***Figure A** High Altitude Label Location*

11 Operating information

Ramp delay

For systems with lower flow, the SMART SYSTEM can limit the firing rate (when enabled) when a space heating call for heat starts, or when switching from a DHW call for heat to a space heating call for heat. There are six (6) limits that can be programmed, as well as six (6) time intervals corresponding to each limit. The sixth limit will also limit the firing rate for the rest of the call for heat.

Gradient limiting

If during operation of the boiler the outlet water temperature is rising too quickly, the control will reduce the firing rate to its lowest setting.

Outdoor air reset

With the outdoor air sensor connected, the control module will calculate the set point based on the programmed reset curve. The installer can change the slope of the reset curve by several adjustable parameters. The user can limit the maximum set point for the system using the space heating set point.

Boost function

If outdoor air reset is active, and a space heating demand has been active continuously for a set period of time (time adjustable by installer) and there has been no DHW demands, the control will increase the set point by a fixed number of degrees (adjustable by installer). This process will continue until the space heating demand ends, the set point reaches the programmed set point or a maximum of 20 increases has occurred. Once the system heat demand is satisfied, the set point will revert to the value determined by the reset curve.

Night setback

The controller may be programmed to reduce the space heating set point during a certain time each day. A start and stop time can be programmed for each day of the week.

Flame current support

To prevent nuisance shutdowns when the boiler is firing at minimum rates, the control will increase the firing rate when the flame signal drops too low.

Protection features

Outlet temperature, flue temperature, and temperature rise limiting

The outlet temperature is monitored by the boiler outlet temperature sensor. When the outlet temperature exceeds 185°F, the unit will reduce the fan speed. If the outlet water temperature exceeds 195°F the control will shut the unit down until it cools off.

The control module monitors the flue temperature by a sensor located in the flue exhaust. If the flue temperature exceeds 215°F the control will reduce the maximum fan speed. If the flue temperature exceeds 240°F the control will shut the unit down. The unit will restart automatically once the flue temperature drops 25°F and the minimum off time has expired.

The control monitors the temperature difference between the inlet and the outlet sensor. If this difference exceeds 55°F the control will reduce the fan speed. If the temperature difference exceeds 60°F the control will shut the unit down. The unit will restart automatically once the temperature difference has dropped below 55°F and the minimum off time has expired.

Freeze protection

DO NOT install the boiler in a room likely to freeze.

The following integral feature of the SMART SYSTEM control module provides some protection for the boiler only -- not for the system.

- The SMART SYSTEM control module provides freeze-up protection as follows when the boiler water temperature drops below 45°F:
- Below 45°F, the boiler and system pumps operate constantly.
- Below 37°F, the boiler turns on.
- Boiler and pumps turn off if boiler water temperature rises above 45°F.

⚠ CAUTION This feature of the SMART SYSTEM control module does not eliminate the possibility of freezing. The installation must still use recognized design, installation and maintenance practice to prevent freeze potential for the boiler and system.

11 Operating information *(continued)*

Monitor external limits

Connections are provided on the connection board for external limits such as flow switch, low water cutoff, gas pressure switches, and an auxiliary device proving switch. The SMART SYSTEM will shut off the burner and inhibit relighting whenever any of these external limits open.

Run-time and alarm outputs

The boiler provides dry contacts for indicating when the boiler is running, and when it is unable to operate.

Run-time and cycle counting

The control uses two timers to monitor the total hours of burner operation. One timer monitors the time the boiler is firing under 50% of rate. The other timer monitors the time the boiler is firing over 50% rate.

The control uses four (4) ignition counters to monitor the amount of boiler cycles. The first counter counts all ignitions of the control. The second counter counts only ignition attempts that have failed. The third and fourth counters are the same as the first and second respectively, but can be reset by the installer.

Service reminder

The control can be programmed for service reminder notification. This notification will become active when either a set time frame has expired, or a set amount of running hours or cycles has expired (all adjustable by the installer). The display will alternate the standard text on the display screen with Service Due every 5 seconds. The service reminder notification can be reset by the installer.

Error logging

The control will hold in memory the last 10 error codes as well as the last 10 turn-off functions. The date and time of the occurrence will be recorded as well. Only the 10 most current occurrences will be held in memory.

Boiler temperature regulation

Operating temperature (target)

The SMART SYSTEM control module senses water temperature and regulates boiler firing and firing rate to achieve a target temperature. The target temperature can be set between 70°F and 190°F.

- Target temperature is fixed when the outdoor sensor is not installed.
- Target temperature is calculated as described below under "Outdoor Reset Operation" and "Target Temperature Boost" when the outdoor sensor is connected.

High limit operations

When outlet temperature exceeds 200°F, high limit action occurs. The boiler shuts down until the outlet water cools down.

If local codes require manual reset, an Adjustable Manual Reset High Limit Kit is available.

Low water cutoff protection

1. The SMART SYSTEM control module uses temperature sensing of both supply and return areas of the heat exchanger. If the flow rate is too low or the outlet temperature too high, the control module modulates and shuts the boiler down. This ensures boiler shutdown in the event of low water or low flow conditions.
2. Some codes and jurisdiction may accept these integral features of the control in lieu of requiring an additional limit control or low water cutoff. Consult local jurisdiction to determine. A low water cutoff kit(s) is available (Kit 3057).

Outdoor reset operation, if used

Target temperature with outdoor reset

This feature improves the system's efficiency as the outdoor temperature warms up.

See the Knight Boiler Service Manual to change the settings.

Reset curve

The reset curve looks at outdoor air temperature and adjusts the set point.

Cascade

When multiple boilers are installed, they can be wired together in a cascade sequence. A maximum of eight boilers can be controlled from a single control. In this application one boiler would be designated as the Leader control and all others would be designated as Member controls.

Once the Leader boiler receives a call for heat from a room thermostat, the control will determine what the set point will be. If outdoor air reset is desired, connect the outdoor air sensor to the terminals on the Low Voltage Connection Board on the Leader boiler. The set point will be calculated based on the programmed reset curve parameters. See the Knight Boiler Service Manual to program the reset curve. If outdoor air reset is not desired, do not connect the outdoor air sensor. A fixed temperature set point can be programmed into the control. See page 51 of this manual to program the set point.

11 Operating information

Cascade *(continued)*

If the water temperature at the system supply sensor is less than the set point + the turn-off offset - the off-on differential, then the control will initiate a call for heat on the Cascade (see the Knight Boiler Service Manual for an explanation of the offset and differential). The Leader will energize the lead boiler on the Cascade. For a new startup this will be the Leader boiler.

The boiler will fire at its ignition speed and will then modulate its firing rate to maintain the set point. If the first boiler reaches 100% of its firing rate, the Leader will calculate at what point the second boiler could fire at 20% of its firing rate. At this point, the Leader will fire the second boiler on the Cascade. For a new startup, this would be the first Member boiler. The boiler will fire at its ignition speed and will then modulate its firing rate to maintain the set point.

If the set point still cannot be met, the Leader will continue firing more Members until either the heat demand is met or all boilers on the Cascade are firing. As the heat demand decreases, the last boiler on will modulate down to 20% of its firing rate. Once the demand for that boiler is zero, it will shut down. As the heat demand decreases further, the second to last boiler will modulate down and shut off. This will continue until the demand is satisfied and all boilers are shut off.

Sequence of the cascade

To equalize the run time of all boilers on the Cascade, the firing sequence will automatically be changed at set intervals.

For the first 24 hours after initializing the Cascade, the sequence will be changed every hour. After that the sequence will be changed once every 24 hours. The switching on/off sequence will be as follows:

DAY	SWITCHING ON SEQUENCE
Day 1	L-M1-M2-M3-M4-M5-M6-M7
Day 1 + 1 hour	M1-M2-M3-M4-M5-M6-M7-L
Day 1 + 2 hours	M2-M3-M4-M5-M6-M7-L-M1

DHW, Night Setback, and Ramp Delay operation with cascade

For DHW operation any boiler(s) in the Cascade can be selected to provide heat for a DHW call. Select a boiler to be designated as the DHW boiler. Connect the DHW thermostat to the terminals on the Low Voltage Connection Board marked for the DHW Thermostat. When the boiler receives a DHW call, the Leader control will take that boiler out of the Cascade sequence. If another boiler is available, the Leader will start it up to take its place.

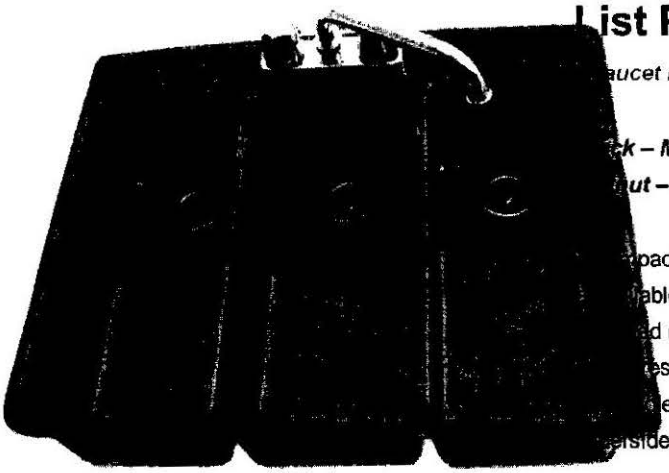
The DHW boiler will adjust its set point to the programmed DHW set point and will adjust its firing rate to maintain this. Once the DHW call has been satisfied, the Leader control will place that boiler back into the Cascade sequence.

Switching of the boiler between DHW operation and SH operation when there is a call for both does not occur. The boiler will provide heat for the DHW demand until it is satisfied.

Night Setback operation of the boilers within the Cascade is available. Programming of the Night Setback will be done through the Leader boiler. Refer to the Knight Boiler Service manual for information regarding Night Setback.

Ramp Delay operation of the boilers as described in the Knight Boiler Service Manual is not active when the boilers are part of a Cascade system.

Three Compartment Drop-In SANITIZING SINK



List Price: *$308.00*

aucet not included

k – Model NO: BUS – 1924
ut – Brown Model NO: KUS – 1924

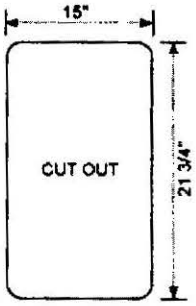
pact, economical and easy to install
able in Black or Walnut Brown
d in one piece from quality ABS plastic
es to metal, wood & plastic laminations
e in shelf or counter top and apply glue to
side of integral rim – set in place

NSF.

N.S.F. Certified Under Standard 2
Accepted by
Most Local Health Departments

Dimensions | Ordering Info | Contact Info

- *18 1/4" x 23" o.a.*
- *Sink bowl size:*
14 1/4" x 6 1/2" x 5 1/2"
- *Twist lock drain stopper*
- *1 1/2" drains*
- *Includes drip rail and faucet deck*
- *Faucet Model PF-4 (optional)*
order with 6" or 8" spout
- *Cut out size: 21 3/4" x 15"*
- *Deck faucet mount 4" o.c.*



leaders in ABS plastic food service equipment
...for 40 years