

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-0881	Issue Date:	CBL: 347 E003001
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Location of Construction: 39 SKYLARK RD	Owner Name: SHAW ROBERT E & STEPHANIE	Owner Address: 39 SKYLARK RD	Phone:
Business Name:	Contractor Name: Stephen McKenzi	Contractor Address: 72 Gertrude Ave. Portland	Phone 2077977706
Lessee/Buyer's Name	Phone:	Permit Type:	Zone: R-3

Past Use: Single Family	Proposed Use: Single Family / Install 275 gallon oil tank in the basement.	Permit Fee: \$70.00	Cost of Work: \$4,200.00	CEO District: 5
		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>N/A</i>	INSPECTION: Use Group: <i>U</i> Type: <i>HVAC</i> <i>INC 2003</i>	

Proposed Project Description:
Install 275 gallon oil tank in the basement.

Signature: *[Signature]*

Signature: *[Signature]*

SCANNED

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: gg	Date Applied For: 08/14/2009	Zoning Approval
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Special Zone or Reviews

Shoreland

Wetland

Flood Zone

Subdivision

Site Plan

Maj Minor MM

Date: *08/19/09*

Zoning Appeal

Variance

Miscellaneous

Conditional Use

Interpretation

Approved

Denied

Date: _____

Historic Preservation

Not in District or Landmark

Does Not Require Review

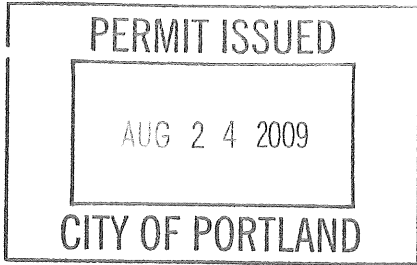
Requires Review

Approved

Approved w/Conditions

Denied

Date: *[Signature]*



CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT _____ ADDRESS _____ DATE _____ PHONE _____

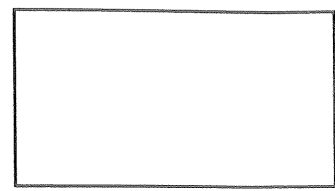
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ DATE _____ PHONE _____



FILL IN AND SIGN WITH INK

#09 0881

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



S/F 347 E 003

To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 39 SKYMARK Use of Building HOME Date 8-2-9
 Name and address of owner of appliance ROBERT SHAW 39 SKYMARK RD
CITY
 Installer's name and address STEPHEN MCKENZIE Heating
77 Martine Ave. Telephone 7977706

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # 1340
- Oil # _____
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____
- Metal
Factory Built U.L. Listing # _____
- Direct Vent
Type _____

Type of Fuel Tank

- Oil
- Gas

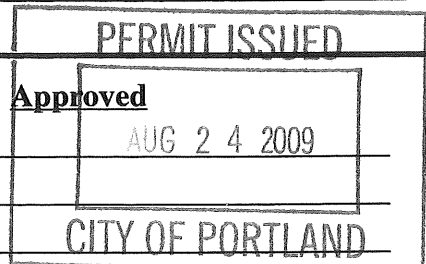
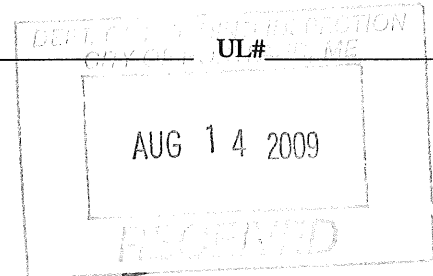
Size of Tank 275

Number of Tanks 1

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 4200

Permit Fee: \$ 70.00



Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer Stephen McKenzie

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Business Name:	Contractor Name: Stephen McCkenzi	Contractor Address: 72 Gertrude Ave. Portland	Phone (207) 797-7706
Lessee/Buyer's Name	Phone:	Permit Type:	

Proposed Use: Single Family / Install 275 gallon oil tank in the basement.	Proposed Project Description: Install 275 gallon oil tank in the basement.
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Dept: Zoning	Status: Approved	Reviewer: Marge Schmuckal	Approval Date: 08/18/2009
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
Dept: Building	Status: Approved with Conditions	Reviewer: Tammy Munson	Approval Date: 08/21/2009
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules			

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a “Stop Work Order” and “Stop Work Order Release” will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

 X **Final inspection required at completion of work.**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

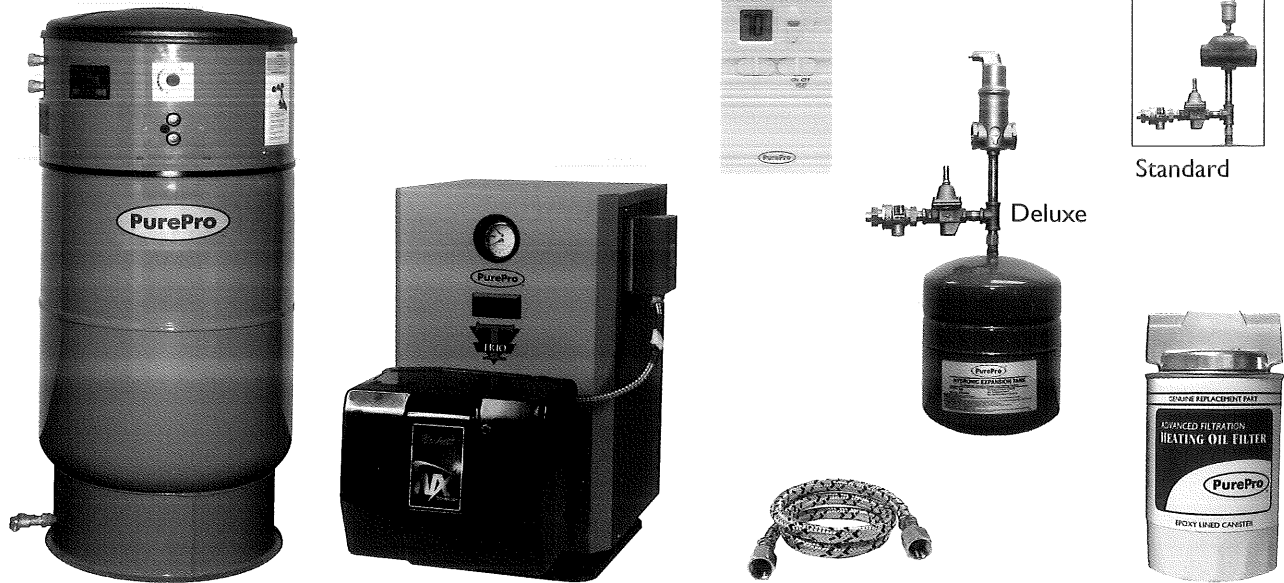
Signature of Applicant/Designee

Date

Signature of Inspections Official

Date

PUREPRO® TRIO BOILER PACKAGES



TRIO Standard Boiler Package includes:

- PurePro® TRIO Boiler
- Choice of Burner
- PurePro® 41 Gal. Plug n' Go Indirect Heater*
- PurePro® Standard Boiler Trim Kit**
- PurePro® Digital Heating Thermostat
- PurePro® Complete Spin-On Oil Filter
- PurePro® 36" Flexible Oil Line with 3/8" Flare Fitting

TRIO Deluxe Boiler Package includes:

- PurePro® TRIO Boiler
- Choice of Burner
- PurePro® 41 Gal. Plug n' Go Indirect Heater*
- PurePro® Deluxe Boiler Trim Kit***
- PurePro® Digital Heating Thermostat
- PurePro® Complete Spin-On Oil Filter
- PurePro® 36" Flexible Oil Line with 3/8" Flare Fitting

*PurePro Plug n' Go includes:

- Taco 007 with flow check and priority control pre-wired
- Factory installed sweat unions
- 8' conduit, wire nuts and connectors
- 1/4" turn drain valve

**Standard Trim Kit includes:

- #30 expansion tank
- Air purger
- Air vent with service check
- Watts 911S feed/backflo combo
- (2) 1/2" x 4" brass nipples
- 1/2" brass tee
- Expansion tank service check

***Deluxe Trim Kit includes:

- #30 expansion tank
- Microbubble air eliminator
- Watts 911S feed/backflo combo
- (2) 1/2" x 4" brass nipples
- 1/2" brass tee
- Expansion tank service check

PurePro®
1 Bon Terrain Drive
Amherst, NH 03031

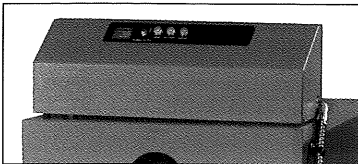
PurePro®

20K

PUREPRO® TRIO BOILER PACKAGES

PurePro#	Mfg. #	Description
3 Section with Beckett AFG Burner		
364010	BOYPRO3PKGAFG-1STD	PUREPRO 3 SECTION PACKAGE W/AFG PLUG N GO 1" STD
364011	BOYPRO3PKGAFG-114STD	PUREPRO 3 SECTION PACKAGE W/AFG PLUG N GO 1-1/4" STD
364012	BOYPRO3PKGAFG-1DLX	PUREPRO 3 SECTION PACKAGE W/AFG PLUG N GO 1" DLX
364013	BOYPRO3PKGAFG-114DLX	PUREPRO 3 SECTION PACKAGE W/AFG PLUG N GO 1-1/4" DLX
3 Section with Riello F5 Burner		
364014	BOYPRO3PKG5-1STD	PUREPRO 3 SECTION PACKAGE W/F5 PLUG N GO 1" STD
364015	BOYPRO3PKG5-114STD	PUREPRO 3 SECTION PACKAGE W/F5 PLUG N GO 1-1/4" STD
364016	BOYPRO3PKG5-1DLX	PUREPRO 3 SECTION PACKAGE W/F5 PLUG N GO 1" DLX
364017	BOYPRO3PKG5-114DLX	PUREPRO 3 SECTION PACKAGE W/F5 PLUG N GO 1-1/4" DLX
3 Section with Beckett NX Burner		
364018	BOYPRO3PKG5-1STD	PUREPRO 3 SECTION PACKAGE W/NX PLUG N GO 1" STD
364019	BOYPRO3PKG5-114STD	PUREPRO 3 SECTION PACKAGE W/NX PLUG N GO 1-1/4" STD
364020	BOYPRO3PKG5-1DLX	PUREPRO 3 SECTION PACKAGE W/NX PLUG N GO 1" DLX
364021	BOYPRO3PKG5-114DLX	PUREPRO 3 SECTION PACKAGE W/NX PLUG N GO 1-1/4" DLX
4 Section with Beckett AFG Burner		
364022	BOYPRO4PKGAFG-1STD	PUREPRO 4 SECTION PACKAGE W/AFG PLUG N GO 1" STD
364023	BOYPRO4PKGAFG-114STD	PUREPRO 4 SECTION PACKAGE W/AFG PLUG N GO 1-1/4" STD
364024	BOYPRO4PKGAFG-1DLX	PUREPRO 4 SECTION PACKAGE W/AFG PLUG N GO 1" DLX
364025	BOYPRO4PKGAFG-114DLX	PUREPRO 4 SECTION PACKAGE W/AFG PLUG N GO 1-1/4" DLX
4 Section with Riello F5 Burner		
364026	BOYPRO4PKG5-1STD	PUREPRO 4 SECTION PACKAGE W/F5 PLUG N GO 1" STD
364027	BOYPRO4PKG5-114STD	PUREPRO 4 SECTION PACKAGE W/F5 PLUG N GO 1-1/4" STD
364028	BOYPRO4PKG5-1DLX	PUREPRO 4 SECTION PACKAGE W/F5 PLUG N GO 1" DLX
364029	BOYPRO4PKG5-114DLX	PUREPRO 4 SECTION PACKAGE W/F5 PLUG N GO 1-1/4" DLX
4 Section with Beckett NX Burner		
364030	BOYPRO4PKG5-1STD	PUREPRO 4 SECTION PACKAGE W/NX PLUG N GO 1" STD
364031	BOYPRO4PKG5-114STD	PUREPRO 4 SECTION PACKAGE W/NX PLUG N GO 1-1/4" STD
364032	BOYPRO4PKG5-1DLX	PUREPRO 4 SECTION PACKAGE W/NX PLUG N GO 1" DLX
364033	BOYPRO4PKG5-114DLX	PUREPRO 4 SECTION PACKAGE W/NX PLUG N GO 1-1/4" DLX

**Maximize System Efficiency
with the TRIO Energy Manager.**



PurePro®
1 Bon Terrain Drive
Amherst, NH 03031





CAST IRON BOILERS





The **TRIO** by PurePro® addresses your three most common concerns when choosing a boiler:

- ▶ Efficiency
- ▶ Longevity
- ▶ Environment

The TRIO is the result of 50 years of engineering and manufacturing experience. With its low mass design and efficiencies up to 87% AFUE, TRIO addresses growing concerns about fuel prices. Recirculating flue gas technology reduces fuel emissions and sets the standard for environmental integrity. The TRIO is constructed of GG20 cast iron for greater durability and thermal shock protection.

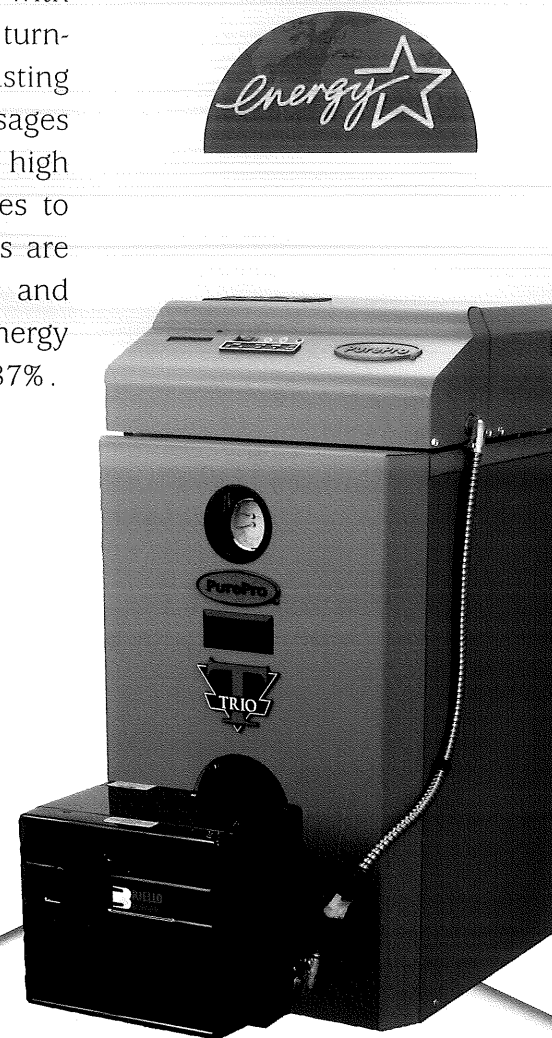
This is one of those times when you can get exactly what you want. . . exceptional value, technology, efficiency, and performance.

With a heritage dating back to 1866, PurePro® has earned the approval of Professional Contractors for quality, value, and reliability.




A Blend of Technology and Efficiency

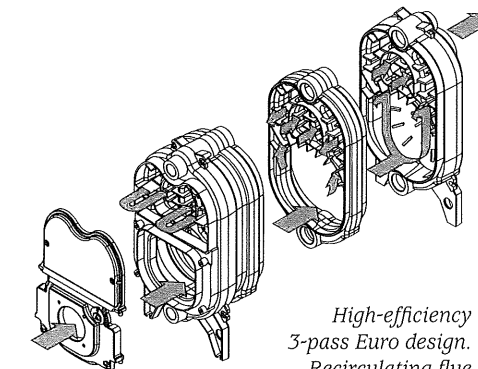
The TRIO is a low mass boiler with steel push nipples. The unique turn-around design of the rear casting creates optimal flue gas passages through the boiler, creating high efficiency. There are no baffles to remove, and the flue passages are easily accessible for cleaning and servicing. The TRIO boiler is Energy Star rated with efficiencies to 87%.



Shown with Riello Burner and Energy Manager Plus.

Features:

- ▶ 3-pass low mass design
- ▶ GG20 cast iron
- ▶ Recirculating flue gas technology
- ▶ Energy Star Rated 
- ▶ High efficiency to 87%
- ▶ Superior serviceability with complete access to all flue passages
- ▶ Limited Lifetime Warranty
- ▶ Direct vent capabilities



High-efficiency 3-pass Euro design. Recirculating flue gas technology.

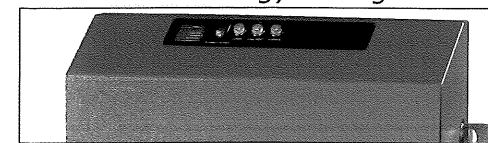
Maximize System Efficiency With Your Choice of TRIO Energy Managers

TRIO Energy Manager / TRIO Energy Manager Plus Features:

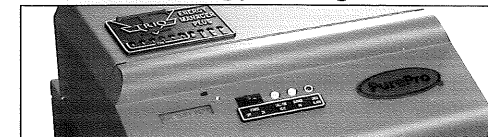
- Independent test results show burner run time is reduced by 10% – 20%, and the number of burner on/off cycles is reduced by 30%.
- Integrated Microprocessor Economizer for fuel savings.
- Indoor reset technology.
- A minimum of 10% reduction in heating fuel usage—guaranteed!

See trio boiler.com for details.

TRIO Energy Manager



TRIO Energy Manager Plus



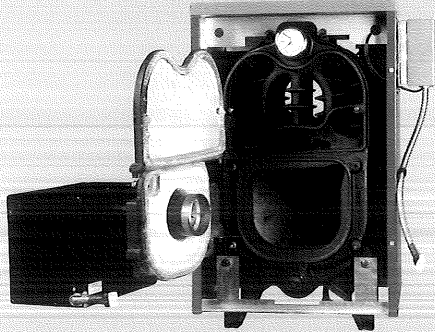
TRIO Energy Manager Plus Additional Features:

- Multiple zone system control
- Zone valve or circulator capability
- Priority capability for abundant, rapid hot water
- LCD screen displays runtime estimated savings, operating modes, and operating temperatures

Abundant, Rapid Hot Water Heating

PurePro® offers a complete line of indirect water heaters to complement the TRIO boiler. By utilizing the TRIO boiler as its heat supply, the burner fires only when necessary and transfers heat from the TRIO boiler to the water heater through a highly efficient heat exchanger.





A unique front jacket panel designed for easy removal allows convenient access to a one-piece swing-out door. The door is both easily opened and completely removable from the vessel for internal inspection and overall maintenance. The TRIO boiler features oil and gas burners with a quick disconnect for servicing.

600 BTU

36 40 14

\$ 2900
\$ 2695

SPECIFICATIONS

PurePro Boiler Model #	Firing Rate (#2 Fuel)	PurePro Burner Model #	Burner	Input (btu/hr)	DOE Capacity (btu/hr)	NET IBR (btu/hr)	Net Rating (Sq. ft.)	AFUE Rating	Water Capacity			
P3	0.75	707720	Riello F5	105,000	91,000	79,000	526	85.5**	3.6			
		707724	Riello BF5*									
707740	Beckett AFG											
707730	Beckett NX											
P4	1.00	707721	Riello F5	140,000	122,000	106,000	707	86.5**	4.3			
		707724	Riello BF5*									
707741	Beckett AFG											
707731	Beckett NX											
P5	1.25	707722	Riello F5	175,000	153,000	133,000	887	86.9**	5.1			
		707724	Riello BF5*									
707732	Beckett NX											
Gas	708830	Heat Wise SU2A	90,000							76,000	66,000	85.0**
P6	1.50	707723	Riello F5	210,000	184,000	160,000	1067	86.9**	5.8			
		707733	Beckett NX									
Gas	708833	Heat Wise SU2A	175,000							148,000	129,000	85.1**
P7	1.75	707734	Beckett CF375							245,000	208,250	181,100
		Gas	708834	Heat Wise SU2A	204,000	177,000	83.4					

*Direct Vent Only: Models P3, P4, P5

**Energy Star rated



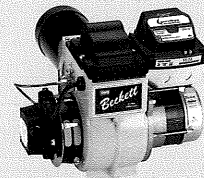
DIMENSIONS

PurePro #	Cabinet Height	Cabinet Width	Cabinet Length	Supply Outlet Height C.L.	Return Outlet Height C.L.	Flue Outlet Diameter	Flue Outlet Height C.L.
P3	28-7/8"	17-3/4"	19-1/4"	25-3/8"	4-1/2"	6"	20-3/4"
P4	28-7/8"	17-3/4"	22-3/4"	25-3/8"	4-1/2"	6"	20-3/4"
P5	28-7/8"	17-3/4"	26-1/4"	25-3/8"	4-1/2"	6"	20-3/4"
P6	28-7/8"	17-3/4"	29-3/4"	25-3/8"	4-1/2"	6"	20-3/4"
P7	28-7/8"	17-3/4"	33-1/4"	25-3/8"	4-1/2"	6"	20-3/4"

ONE STEP
CLOSER
TO
GREEN!



Available Oil/Gas Burners



Beckett AFG Burner



Heat Wise SU2A Burner



Beckett NX Burner



by

PurePro

www.trioboiler.com

PPRH30/5000/109