

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that

FOSTER MARC C & CRAIG A FOSTER &/Charlie
Burnham Heating

Located at

29 TAYLOR ST

PERMIT ID: 2013-00502 **ISSUE DATE:** 04/08/2013 **CBL:** 057 A005001

has permission to **install Viessman gas boiler in basement**

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closoed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be procured prior to occupancy.

Fire Prevention Officer



Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
THERE IS A PENALTY FOR REMOVING THIS CARD**

Scanned

BUILDING PERMIT INSPECTION PROCEDURES
Please call 874-8703 (ONLY)
or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

REQUIRED INSPECTIONS:

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

City of Portland, Maine - Building or Use Permit

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

Permit No: 2013-00502	Date Applied For: 03/15/2013	CBL: 057 A005001
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Location of Construction: 29 TAYLOR ST	Owner Name: FOSTER MARC C & CRAIG A FO	Owner Address: 29 TAYLOR ST	Phone:
Business Name:	Contractor Name: Charlie Burnham Heating	Contractor Address: PO Box 382 Freeport	Phone (207) 865-9010
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Residential 2 family	Proposed Project Description: install Viessman gas boiler in basement
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 03/19/2013
Note:			Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved w/Conditions	Reviewer: Tammy Munson	Approval Date: 04/03/2013
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) The installation must comply with the State of Maine Gas Regulations.			

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 2013-00502	Issue Date:	CBL: 057 A005001
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Location of Construction: 29 TAYLOR ST	Owner Name: FOSTER MARC C & CRAIG A FOSTER &	Owner Address: 29 TAYLOR ST PORTLAND , ME 04102		Phone:
Business Name:	Contractor Name: Charlie Burnham Heating	Contractor Address: PO Box 382 Freeport ME 04032		Phone (207) 865-9010
Lessee/Buyer's Name	Phone:	Permit Type: HVAC		Zone: R6
Past Use: Residential 2 family	Proposed Use: Residential 2 family	Permit Fee: \$310.00	Cost of Work: \$29,000.00	CEO District: 3
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A		INSPECTION: Use Group: Type:
Proposed Project Description: HVAC Permit; install Viessman boiler and all work.		Signature: _____		Signature: _____
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____				

Permit Taken By: bjs	Date Applied For: 03/15/2013	Zoning Approval		
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. 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 <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: _____	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____	

CERTIFICATION

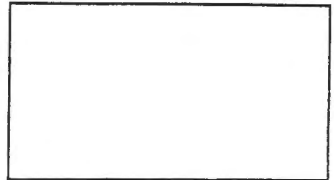
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



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 29 Taylor St Use of Building _____ Date 3-14-13
Name and address of owner of appliance Mark Foster 29 Taylor St Portland ME

Installer's name and address Charlie Burkhom Heating Service Inc
P.O. Box 268 Freeport ME 04032 Telephone 865-9010

Location of appliance:

- Basement
- Attic
- Floor
- Roof

RECEIVED
MAR 15 2013
Dept. of Building Inspections
City of Portland Maine

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Viessmann

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: George Gyorgy

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PHT 6050
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type IV CPVC UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 28,730 29,000

Permit Fee: \$ 310

Approved

Approved with Conditions

Fire: _____
Ele.: _____
Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]

Technical Data Manual

Model Nos. and pricing: see Price List



Vitodens 100-W, WB1B
(with preinstalled coaxial vent pipe adaptor)

Vitodens 100-W

WB1B Series

Gas-Fired Wall-Mounted Condensing Boiler
with modulating stainless steel Matrix cylinder burner and stainless steel Inox-Radial heat exchanger for room air independent operation (using a direct vent system) or room air dependent operation



Vitodens 100-W

Vitodens 100-W, WB1B 26/35
without piping connections

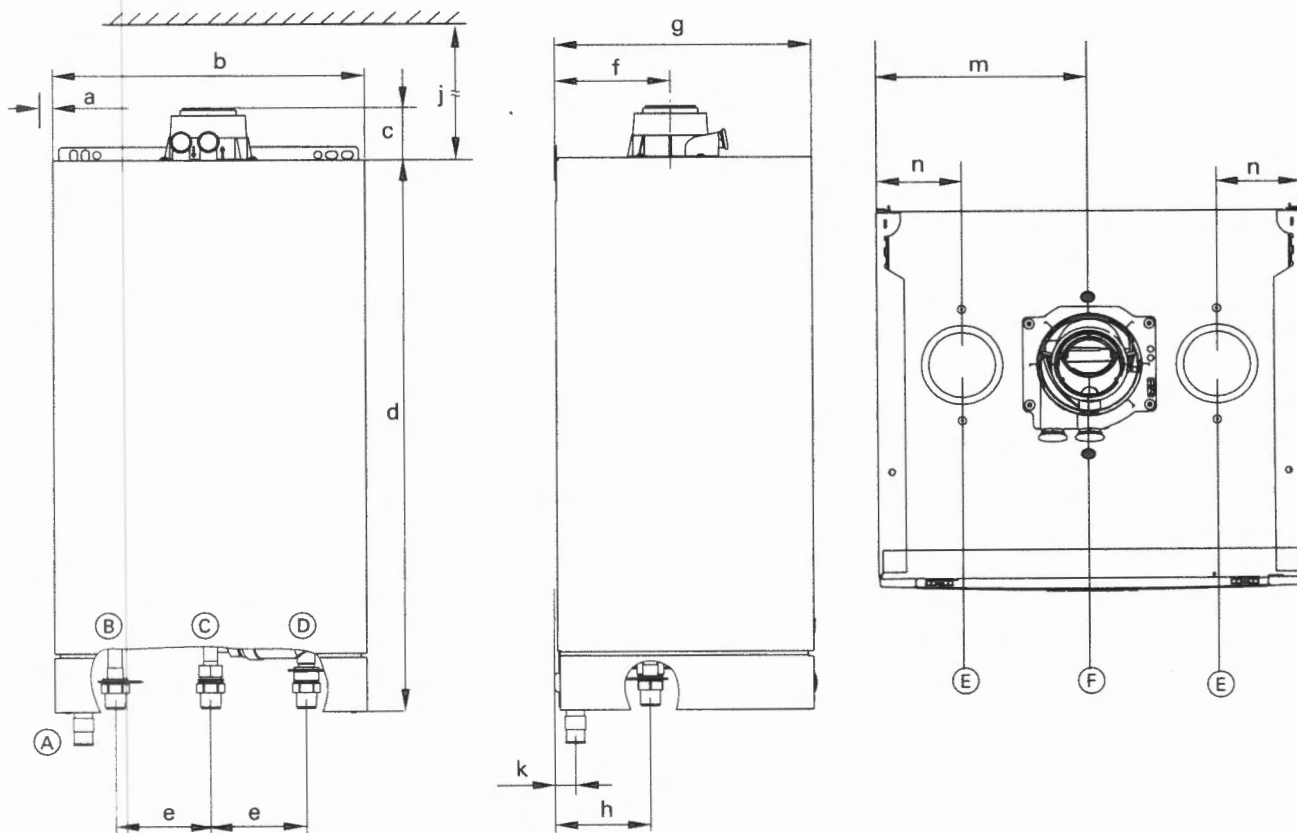


Fig. 1 Front view

Side view

Top view

Connections Vitodens 100-W,
WB1B 10-26, 10-35

Legend

Connections

- (A) Condensate drain, plastic hose
Ø 1" / 25mm
- (B) Boiler water supply, NPT 3/4" (male thread)
- (C) Gas connection, NPT 3/4" (male thread)
- (D) Boiler water return, NPT 3/4" (male thread)
- (E) Combustion air opening for double pipe system
- (F) Combustion air opening for co-axial system

Dimensions

- a* See fig. 2 for dimensions
- b* 15 3/4" / 400 mm
- c* 2 5/8" / 68 mm
- d* 28 1/2" / 725 mm
- e* 4 7/8" / 123 mm
- f* 6 1/8" / 156 mm
- g* 14 1/8" / 360 mm
- h* 5" / 125 mm
- j* 9 7/8" / 250 mm
- k* 1 1/4" / 31 mm
- m* 7 7/8" / 200 mm
- n* 3 1/8" / 80 mm

Vitodens 100-W, WB1B 26/35
with piping connections

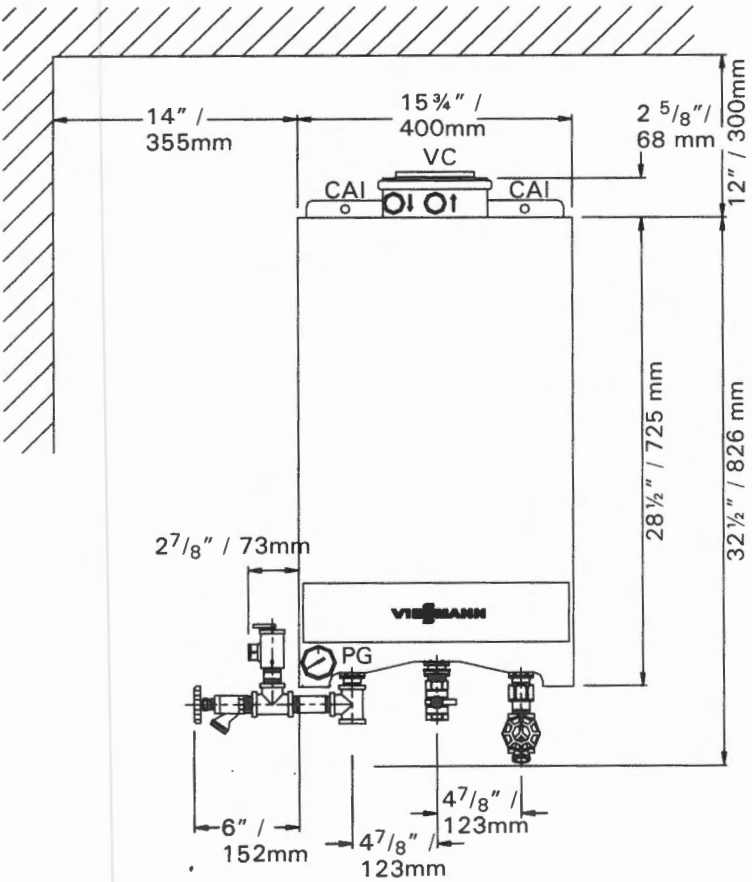


Fig. 2

Piping connections for Vitodens
100-W, WB1B 10-26 and 10-35
(factory supplied)

Legend

- BWR Boiler water return, 3/4"
- BWS Boiler water supply, 3/4"
- BD Boiler drain
- BF Boiler fill
- GC Gas connection, 3/4" NPTM (male thread)
- PRV Pressure relief valve
- PG Pressure gage
- VC Venting connection
- CAI Combustion air inlet connection (optional)

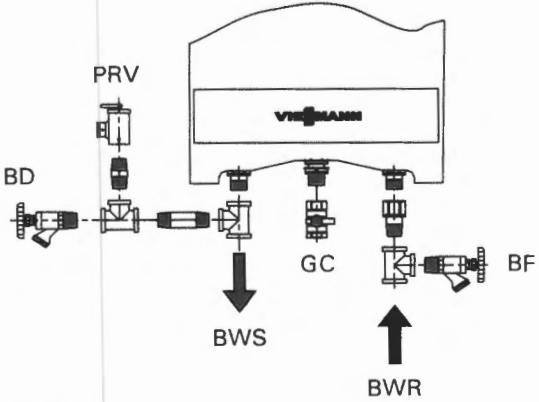


Fig. 3

Recommended Minimum Service Clearances

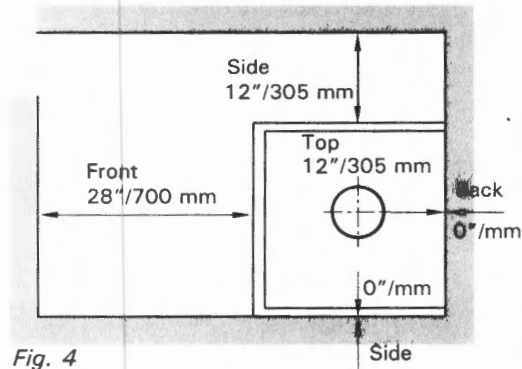


Fig. 4

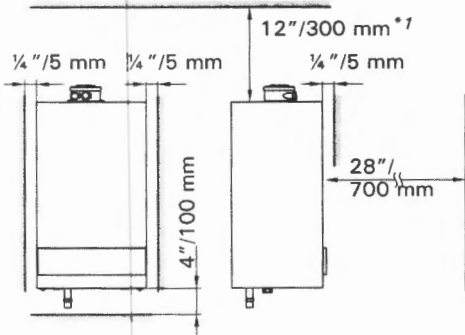


Fig. 5

Minimum Clearances to Combustibles

Top	Front	Rear	Left	Right	Vent pipe ^{*1}
0	0 AL, CL	0	0	0	0

AL = Alcove

CL = Closet

^{*1}Refer to the Installation Instructions of the Vitodens Venting System for details.

Note:

The Vitodens 100-W boiler has passed the zero inches vent clearance to combustibles testing requirements provided by the boiler Harmonized Standard ANSI Z21.13, CSA 4.9.2005 and therefore is listed for zero clearance to combustibles when vented with a single wall special venting system (AL-29-4C material) or UL/ULC-listed CPVC gas vent material. The zero inches vent clearance to combustibles for the Vitodens 100-W boiler supercedes the clearance to combustibles listing that appears on the special venting system label.

Installation Instructions

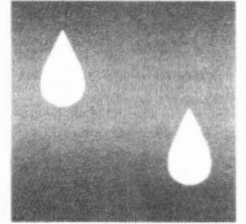
for use by heating contractor



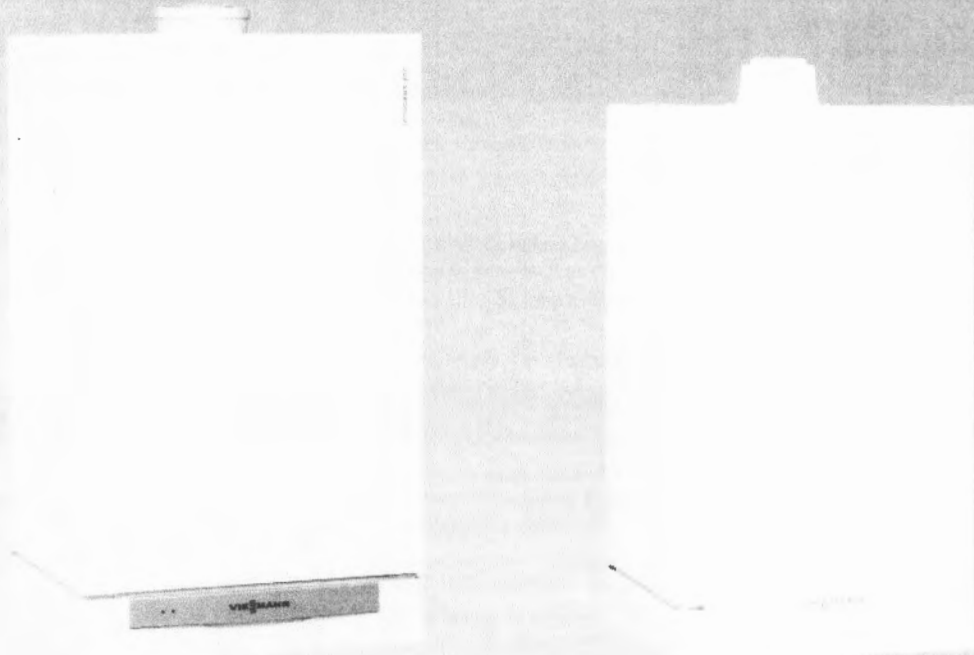
Venting System

for Vitodens 100-W WB1B Series
and Vitodens 200-W WB2B Series

Please file in Service Binder



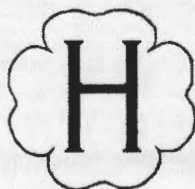
Rigid Pipe Venting System



Vitodens 100-W, WB1B and
Vitodens 200-W WB2B Series
(with preinstalled coaxial vent pipe adaptor)

IMPORTANT

Read and save these instructions
for future reference.



Vent Length Requirements

Equivalent vent length calculation example - CPVC system

Table 46. (see also fig. 63)

Type of fitting	Equivalent length ft. / m
90° long sweep elbow (CPVC)	5 / 1.52
45° long sweep elbow (CPVC)	3 / 0.91

Equivalent vent length calculation example (Vitodens WB1B or WB2B system diameter 2")

Maximum allowable equivalent length is 86 ft. / 31 m
(see table 41 and fig. 53 on page 59)

2 x 90° elbow	10 ft. / 3.05 m
4 x 45° elbow	12 ft. / 3.66 m
Exhaust vent pipe	10 ft. / 3.05 m
Air intake pipe	10 ft. / 3.05 m
Combined total equivalent vent length (a + b)	42 ft. / 12.81 m

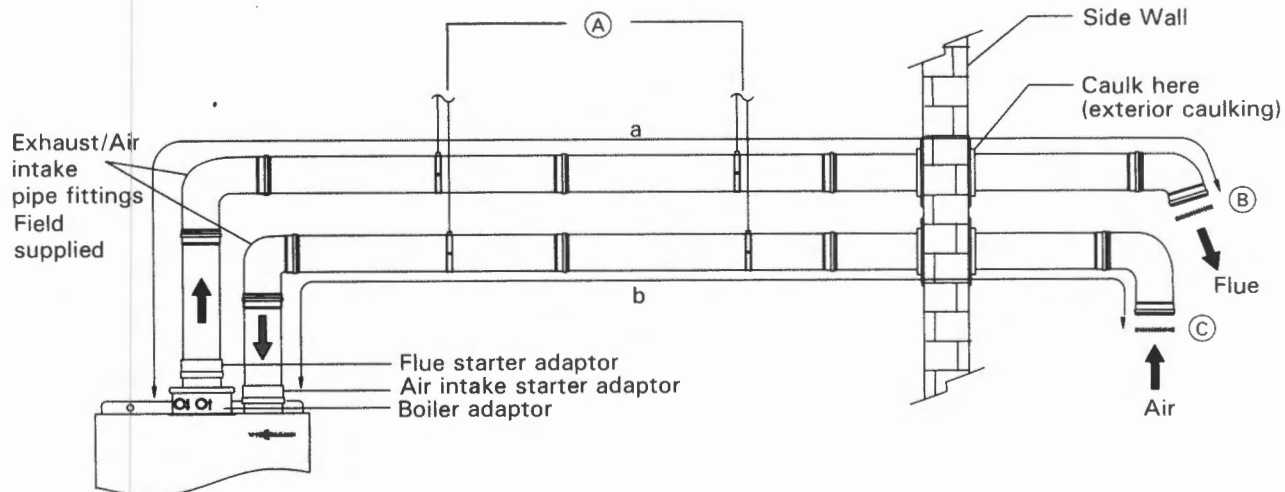
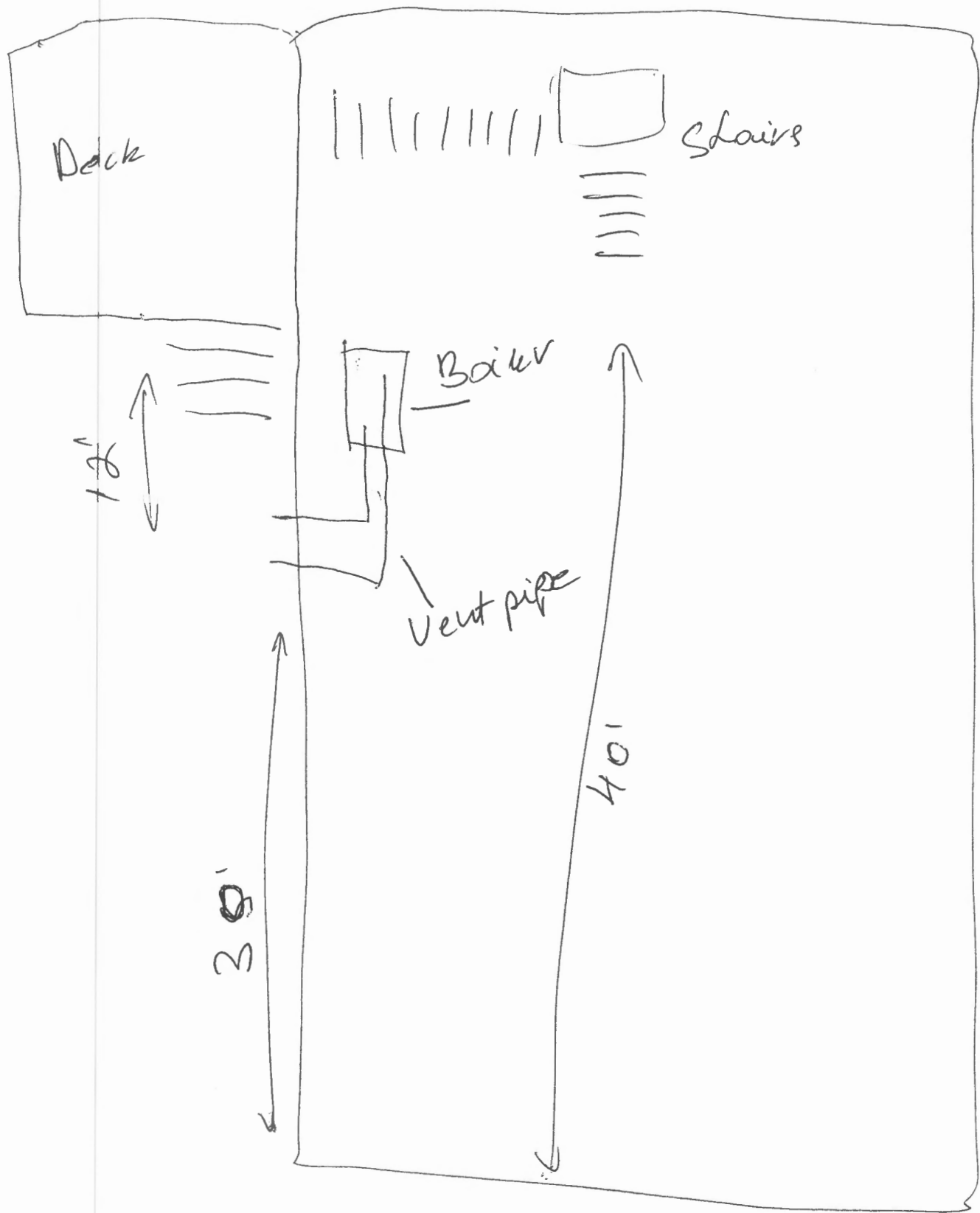


Fig. 64 Vitodens 100-W and 200-W, WB2B 19, 26, 35

Legend

- (A) Support system
- (B) Exhaust pipe termination with screen
- (C) Combustion air intake with screen
- a Equivalent vent length (exhaust)
- b Equivalent vent length (air intake)



Taylor str