
Key feature:

“Convenient Installation”

Transportable Factory-built



External Utility Room

The External Utility Appliance is part of a new family of products:

- **Pre-fabricated, packaged infrastructure systems -- factory assembled and delivered to the building site in a ready-to-operate condition.**
- **The External Utility Appliance conveniently combines all or part of the services normally provided by central infrastructure systems in a single, easily transportable unit; this micro-infrastructure unit (the “utility appliance”) is custom tailored for a specific location and exactly matched to the requirements of the host dwelling.**

The External Utility Appliance is suited for permanent installations, or alternatively as a temporary solution to alleviate short-term infrastructure shortcomings.

The unit is designed in such a way that it can be removed and relocated at any time – greatly reducing the risk of a stranded investment.

In specific locations and circumstances this unit can also be made available through a leasing arrangement – significantly reducing upfront capital investment costs.

For the benefit of the occupant of the host dwelling, the External Utility Appliance will only be sold with a pre-arranged servicing agreement in place.

EQUIPMENT & INFRASTRUCTURE CONVENIENCE:

The base model of the External Utility Room is designed to service a 3 or 4-bedroom dwelling in northern Canada and contains the following features:

- 1000 USG Sewage Holding Tank c/w alarms, pump-out and related fittings
- 500 USG Potable Water Storage Tank c/w alarms and related fittings
- Potable water pressure system to a pre-determined connection point between host dwelling and External Utility Appliance
- Combination wood / oil boiler heating appliance c/w controls, vent and chimney
- Indirect fired hot water tank in connection with boiler unit c/w controls and related fittings

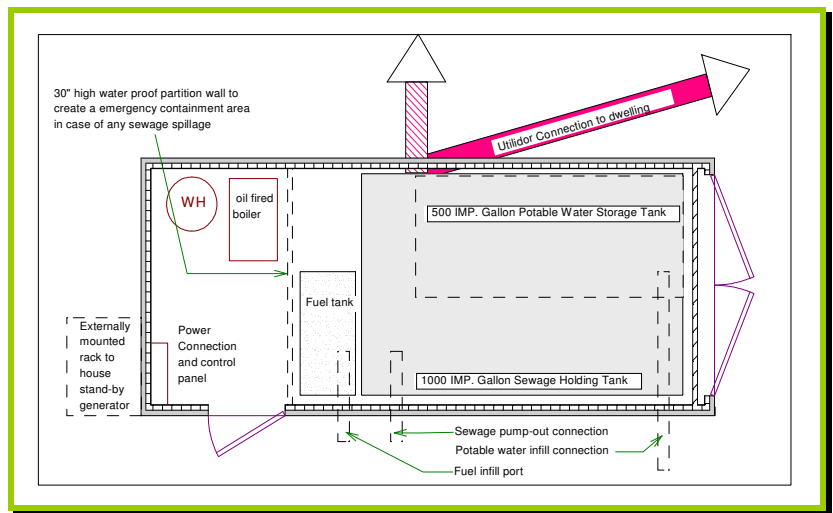


- 250 USG dual lined fuel tank c/w fuel pick up, infill and vents
- Solar assist system allowing the operation of the heating system in case of a power disruption; it is designed to provide operational safety for a single circulator pump for a maximum of 12 hours.
- Rainwater collection system to be used for connection to a dedicated toilet flushing system only
- Upon request, the integration of a fire suppression sprinkler system can be considered; final sizing decision is depending on the host dwelling design, sprinkler layout and safety regulation requirements.
- A grey water reclamation system is optional.
- All these components are integrated into a new 20' ISO steel shipping container c/w suitable thermal insulation, secured access door, all internal electrical connections and all related infrastructure connections to a pre-determined connection box joining this unit with the attached host dwelling unit.
- Exterior Utility Appliances destined to arctic location might require custom modifications.

DESIGN & COMPONENT LAYOUT:



The External Utility Room can be delivered to any location worldwide – in a ready-to-operate condition.



Generic design only;

Actual product will be custom designed according to purchaser specifications

TECHNOLOGY:

The External Utility Room technology was developed between 1999 and 2006.

The research, product development and prototype was supported by Canada Mortgage and Housing Corporation (Research Division), Industry Canada and the National Research Council.

- In 2000, the related EcoNomad™ utility appliance technology was chosen for the Canada Mortgage and Housing Millennium Housing Award (Technology Category).
- In 2007 the related EcoNomad™ technology was selected as the national winner (Canada) in the international “Energy Globe” sustainable technology competition; sponsored by the European Parliament in Brussels.

CONTACT:

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