DOCK HOUSE

UNTETHERED LOADING

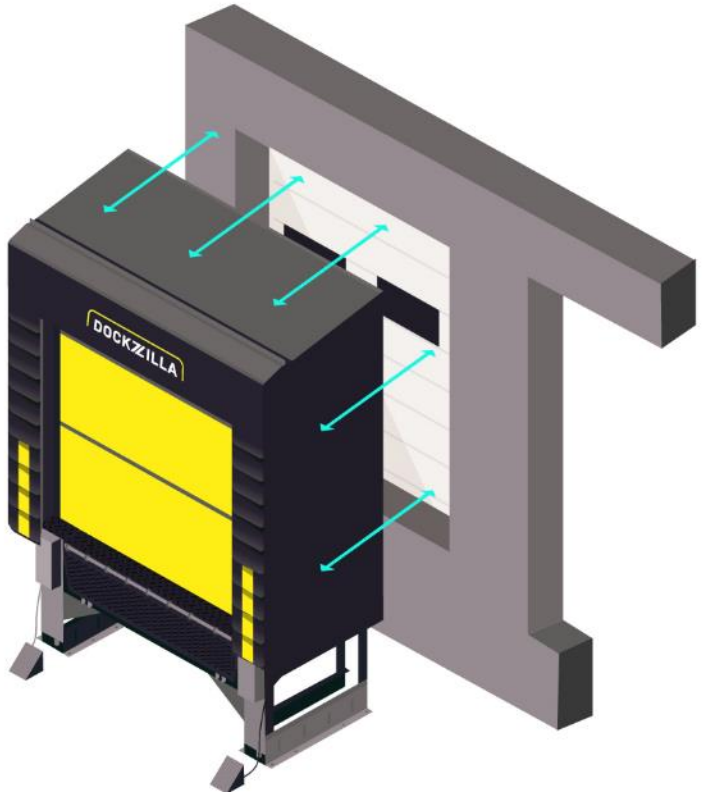
DOCKZILLA

Modular, Expandable & Relocatable Vestibule

Dockzilla's **Dock House** is installed on the outside of the building and is easily detached and relocated, while antiquated pit-style dock levelers structurally change a facility and leave a (costly) mess in their wake.

BENEFITS OF EXTERIOR BOLT-ON DESIGN:

- Installation in just one day
- Saves on reclamation costs
- Take your asset with you when lease ends
- Quickly & easily add and expand



Similar to Front Entrance Vestibule
Commercial building designers are required to install entrance doors to create an energy-saving vestibule. Meanwhile, antiquated pit-style levelers allow massive dock doors to open without any vestibule or protection against lost energy. Dockzilla has changed this game with the Dock House leveler—a **vestibule for the back of the house**.

SAVE SUBSTANTIAL ENERGY COSTS

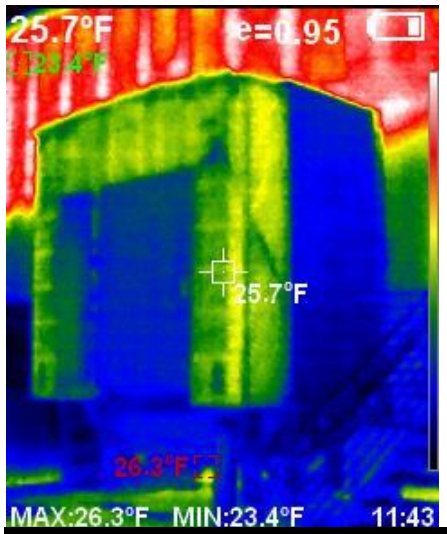
DOCKZILLA

Stops Energy Loss at the Dock

DOCKZILLA

Dock House Exterior Leveler attaches outside eliminating one-inch floor gaps left by pit-style levelers.

- Dock House creates a "vestibule," minimizing heat loss until a trailer is in position.
- Door closes tightly on concrete floor, not on a steel dock plate.
- Yearly energy savings of **thousands per dock** based on climate.
- Potential **one-time energy rebate** on install depending on energy provider.



HOT AIR STAYS INSIDE

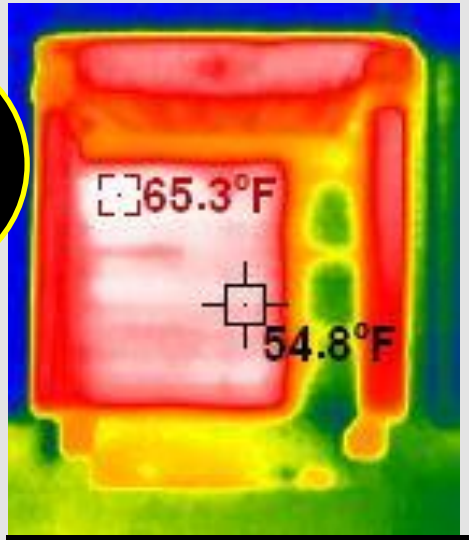
Site photo: Outside of the Dockzilla Dock House is the same temperature as the rest of the building thanks to the exterior installation and the thermal vestibule the Dock House creates.

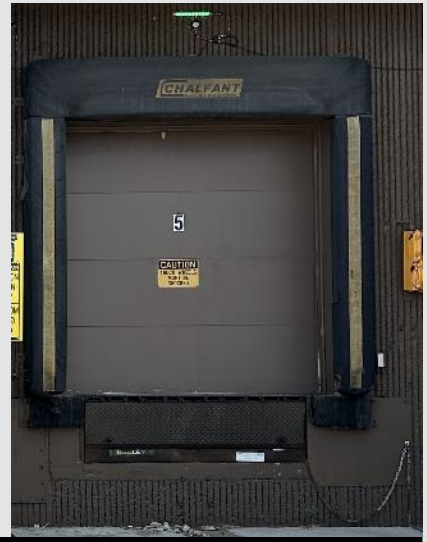
VS.

ANTIQUATED PIT-STYLE DOCK LEVELER

Antiquated pit-style dock levelers lack thermal R-value and radiate heating/cooling to the outside.

- Steel dock plate conducts hot/cold causing hot/cold air to pour out f the building.
- “Dock Weatherseals” are not an effective way to stop air infiltration.





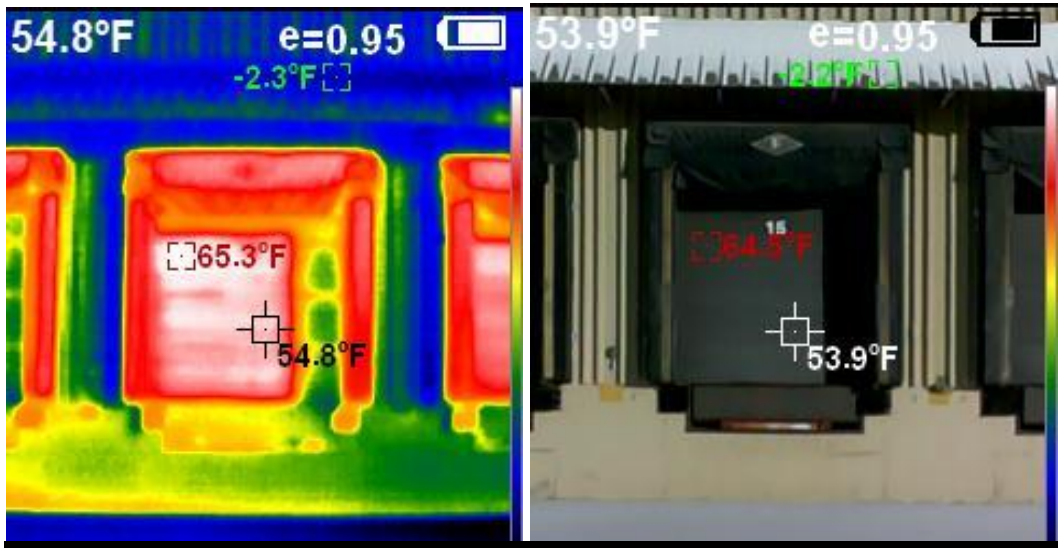
HOT AIR POURS OUTSIDE

Site photo: Outside of a pit-style leveler is much hotter than the outside of the building due to the heat pouring out from the leveler and dock door.

Antiquated Pit-Style Leveler

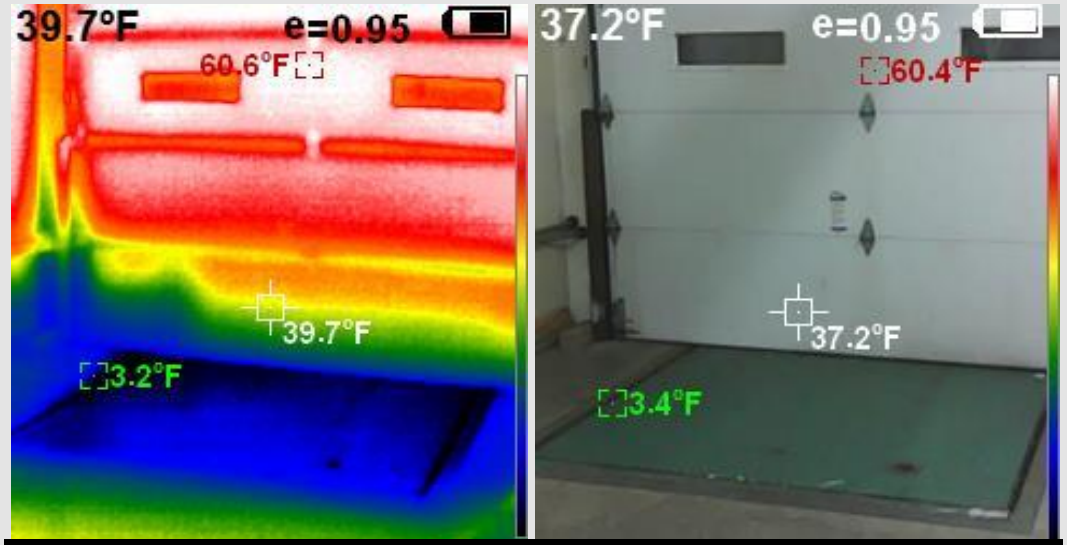
NO DOCK HOUSE = ENERGY LOSS

This red shows the **massive heat loss** happening on the outside of the dock resulting in skyrocketing heating bills. The outside temperature is -2.3° F and the dock door is 65° F.



OUTSIDE: HOT AIR POURING OUT

The customer has a dedicated furnace as well as heating units at each dock to keep the indoor temperature 73° F. Yet **cold air is streaming in**, and the pit-leveler is 3° F.



INSIDE: COLD AIR STREAMING IN

Free Energy Savings Analysis

Get Third Party Energy Calculations

Dockzilla has a proprietary survey to determine your energy savings when you install a Dockzilla Dock House. Fill out a simple survey with information on your heating/cooling costs, dock use, location and a few other details, and we can tell you exactly how much you will save each year.

10 DOCKS IN MINNESOTA

Natural gas cost:	$ 7.22 /Dth		Number of doors:	10	
Electricity cost:	$ 0.07 /kWh		Facility operating hours:	4,160	hours/year
Pit leveler width:	7 ft		Door open hours/day:	3	
Pit leveler length:	7 ft		Days/week:	5	
Air gap:	1.00 in				
Door width:	10 ft		Heating effiiency:	80%	
Door height:	10 ft		Cooling efficiency:	10	EER
Air gap:	0.50 in				
HEATING:					
Interior air temp:	68 °F		Heating hours per year:	4662	
Avg exterior air temp:	26 °F		Leveler conduction loss:	2,848	btu/h
			Leveler infiltration loss:	33,045	btu/h
			Leveler radiation loss:	1,396	btu/h
			Door infiltration loss:	11,802	btu/h
COOLING:					
Interior air temp:	75 °F		Cooling hours per year:	1246	
Avg exterior air temp:	81 °F		Leveler conduction loss:	378	btu/h
			Leveler infiltration loss:	4,621	btu/h
			Leveler radiation loss:	229	btu/h
			Door infiltration loss:	1,651	btu/h
SAVINGS:					
Heating cost reduction:	$ 20,655.18		Heating energy:	2,861	Dth
Cooling cost reduction:	$ 617.88		Cooling energy	8,571	kWh
Total cost saved:	$ 21,273.06				

ANNUAL SAVINGS: $21,273.06

45 DOCKS IN CALIFORNIA

Natural gas cost:	- /Dth		Number of doors:	45	
Electricity cost:	$ 0.34 /kWh		Facility operating hours:	4,368	hours/year
Pit leveler width:	7.1 ft		Door open hours/day:	8	
Pit leveler length:	7.3 ft		Days/week:	7	
Air gap:	1.00 in				
Door width:	10 ft		Heating effiiency:	3	COP
Door height:	10 ft		Cooling efficiency:	10	EER
HEATING:					
Interior air temp:	68 °F		Heating hours per year:	213	
Avg exterior air temp:	46 °F		Leveler conduction loss:	1,572	btu/h
			Leveler infiltration loss:	17,519	btu/h
			Leveler radiation loss:	814	btu/h
COOLING:					
Interior air temp:	72 °F		Cooling hours per year:	1209	
Avg exterior air temp:	80 °F		Leveler conduction loss:	523	btu/h
			Leveler infiltration loss:	6,152	btu/h
			Leveler radiation loss:	312	btu/h
SAVINGS:					
Heating cost reduction:	$ 6,335.22		Heating energy:	18,633	Dth
Cooling cost reduction:	$ 12,924.58		Cooling energy	38,013	kWh
Total cost saved:	$ 19,259.80				

ANNUAL SAVINGS: $19,259.80