

The Fletcher Park EARTHSHIP

An Off-Grid Sanctuary in the Foothills of Laramie Peak



Sunset aerial: south glazing wall lit from within

55.13± ACRES | OFFERED AT \$625,000

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THE HOME

Bermed into a south-facing hillside above the Laramie Peak foothills, this 2011-built Earthship is a rare fusion of off-grid engineering and handcrafted design. It was built from stamped Earthship Biotechure plans (Michael Reynolds, Taos, New Mexico) to the published Global Design two-bedroom model, constructed by its owner through Wyoming Earthships LLC, with Earthship Biotechure crews on site for the structural phases: front stem wall plates, tire pounding, roof installation, front-face window installation, and systems installation.

The home's thermal-mass walls were built from 1,343 pounded tires, finished in hand-troweled plaster over curved forms and radiused soffits, and set with bottle-glass work and custom bottle lighting throughout. Peeled log vigas span the ceilings beneath a metal roof.

Per Platte County records, the home measures 1,500 square feet with 2 bedrooms and 1 bathroom, plus a 429-square-foot solar greenhouse carried separately by the county. As built, the greenhouse corridor runs 66'7" along the full south face of the home, roughly 527 square feet, flooding the interior with passive light and warmth year-round. The exterior walls were sealed and refinished with Dryvit Sandpebble in August 2026.



Living room: peeled log vigas & herringbone floor



Greenhouse corridor seating nook

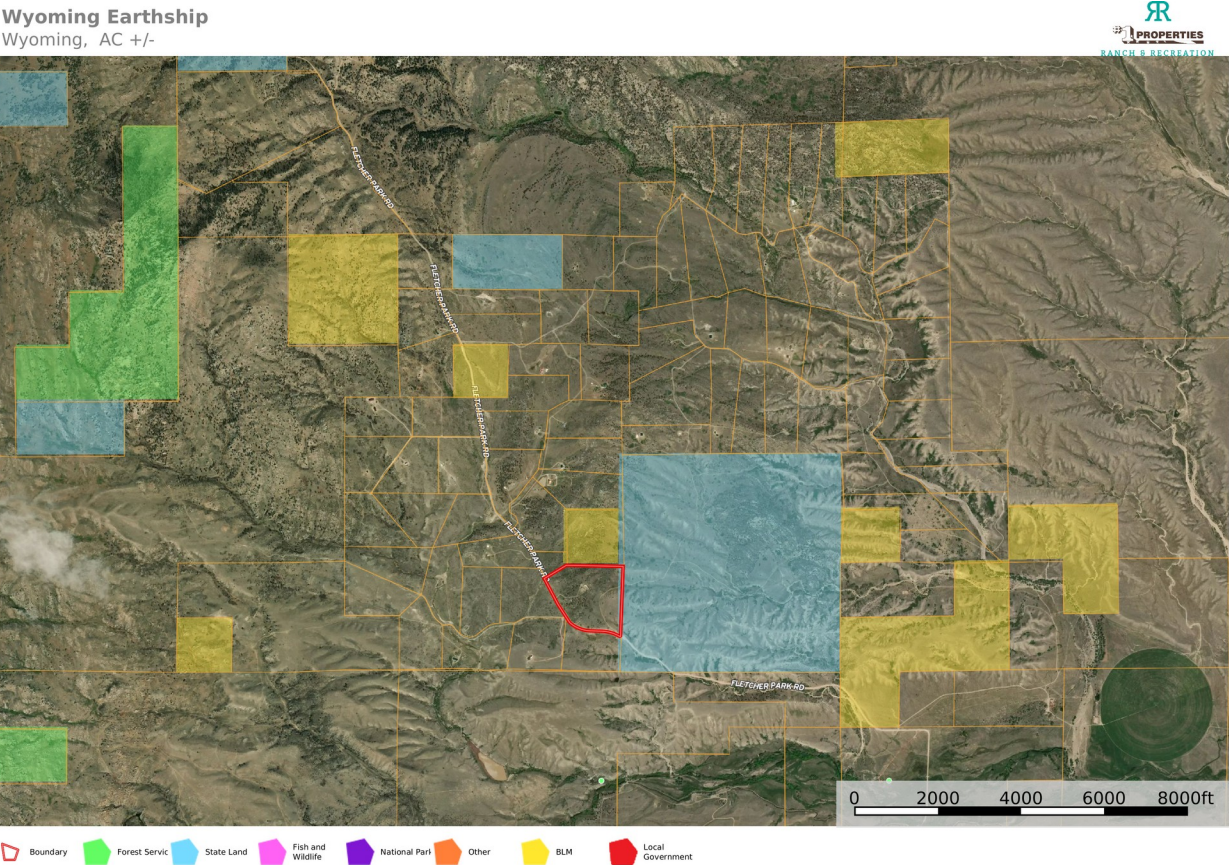
AT A GLANCE

Address	1395 Fletcher Park Road, Wheatland, WY 82201
Acreage	55.13± acres
Subdivision	Laramie Peak Ranch, Phase 7
Year Built	2011
Bed / Bath	2 / 1
Living Area	1,500± SF home (Platte Co.) + 527± SF greenhouse corridor
Construction	Owner-built, 1,343-tire Earthship, earth-sheltered/bermed
Power / Water	100% off-grid solar/wind/generator; roof-catchment water system
Annual Taxes	\$1,419.73 (Platte County, 2025)

LOCATION

The Fletcher Park Earthship sits in the Laramie Peak Ranch subdivision of Platte County, Wyoming, along county-maintained Fletcher Park Road. The property is covenant-protected with no HOA dues, and it borders an exceptional amount of public access: roughly 280 acres of Bureau of Land Management ground and roughly 635.7 acres of Wyoming State Land lie adjacent, offering room to roam well beyond the deeded acreage.

Despite its off-grid setting, everyday conveniences are close by: it's less than 30 minutes to downtown Wheatland, home to a Safeway grocery store, local coffee shops, and small-town shopping.



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id. The information contained herein was obtained from sources deemed to be reliable. Land ID Services makes no warranties or guarantees as to the completeness or accuracy thereof.

LandID parcel map: property boundary in red; adjacent BLM land (yellow) and Wyoming State Land (blue)

APPROXIMATE DRIVE TIMES (FROM WHEATLAND, WY)

Wheatland, WY	Local, county seat of Platte County (under 30 min to downtown, Safeway, coffee shops & shopping)
Cheyenne, WY	70± miles, Wyoming's capital; regional airport
Casper, WY	109± miles, regional airport
Denver, CO	169± miles, major international airport

OFF-GRID POWER

This is a genuinely 100% off-grid home; even the entrance gate and well pump run on their own dedicated solar system, entirely separate from the house array.

- Combined solar array: 2,180 watts across 10 panels: a 1,380-watt house array (six Schott Perform Poly 230W panels, installed 2011) plus an 800-watt well array (four Sun Solar ST72M-200W panels, installed 2020)
- OutBack Power 2.5kW inverter and FLEXmax charge controller with MATE system display, both installed 2011
- Battery bank: eight Fullriver DC400-6 sealed AGM batteries, 415 amp-hours each, 24VDC, installed June 2024 (5-year warranty through June 2029), housed in an exterior-access vault above the greenhouse
- S-400 wind turbine (400 watts, five-blade) with Pikasola controller, installed 2025, for supplemental generation
- Generac Guardian QUIETPACT 85D diesel generator, 8.5kW, with an 8-gallon fuel tank, for backup power
- Separate 100-amp AC and DC breaker panels, plus a dedicated DC emergency lighting circuit
- Solar hot water heater with propane backup
- Exterior pedestal RV hookup with full sewer and electric (50-amp and 30-amp)



S-400 wind turbine

WATER & WASTE

A 1,658-square-foot metal roof is the home's primary water source, collecting rain and snowmelt into four 1,700-gallon polyethylene cisterns (roughly 6,800 gallons total), insulated and buried in a trench behind the north wall of the house. A heated glycol loop in the roof and gutters melts snow so meltwater reaches the catchment. Water is treated through gravel/sand filtration and a 1,000-mesh filter before an under-sink Whirlpool WHEMB40 three-stage purifier, NSF-certified to Standards 42 and 53, at the kitchen tap.

A permitted domestic well (Permit P211805.0W, "Earthship 001"), drilled to 400 feet with a Grundfos SQFlex pump installed in 2020, serves as backup to the roof catchment. Greywater is filtered through the house, and toilet waste flows to a septic system installed in 2014.

HEATING & COOLING

The home holds its temperature almost entirely through passive design. The south-facing glazing wall and greenhouse deliver passive solar gain, while four 10-inch-diameter, 20-foot galvanized culverts, buried 13 to 15 feet deep, draw naturally cooled air into the living spaces. That air crosses each room through transom windows set above every interior door and exhausts through two counterweighted roof vents in the greenhouse, known on the property as the "skyboxes." There are no fans; the entire circuit is passive.

A Mr. Heater 20,000-BTU vent-free propane heater in the laundry room provides backup warmth on the coldest days. According to the current owner, the home has never been recorded below 62°F in winter or above 82°F in summer.



The greenhouse corridor: passive solar gain along the full south face

INTERIOR FINISHES

- Flooring by room: flagstone in the greenhouse and bathroom, crushed-shell brick in the living room and kitchen, and Formica laminate in the bedrooms
- Custom pine cabinetry with hand-carved diamond inlays
- Tile counters and a decorative tile backsplash
- 73-inch double slipper clawfoot soaking tub and shower combination with an air massage system, lion-paw feet, oil-rubbed bronze fittings, and a Victorian faucet with hand shower
- Second bedroom with a built-in Murphy bed, closet, and egress window
- Hand-troweled plaster walls with curved forms and radiused soffits
- Bottle-glass work and custom bottle lighting throughout
- Transom windows above every interior door: decorative, and functional as part of the home's passive cooling system



Kitchen: custom pine cabinetry with diamond inlays



Bedroom: bottle-glass work & hand-troweled plaster

WHAT CONVEYS

- Sun Frost DC refrigerator and countertop ice maker (DC)
- Propane range and over-range microwave; washer and dryer
- Generator, solar array, batteries, inverter, charge controller, and wind turbine
- Hubitat home automation hub
- Starlink dish and router (hardware only; service account does not transfer automatically)
- Lorex camera system and recorder; Ring doorbell
- Electric bedroom blinds and Bali blinds in the greenhouse; whole-home audio system
- Greenhouse irrigation system and controller
- Murphy bed; automatic gate opener with two remotes and coded entry panel

OUTBUILDINGS & SITE

- Purpose-built generator shed set into the hillside
- Red board-and-batten storage shed
- Exterior-access battery vault above the greenhouse
- Entry gate with stone pillars, solar-lit lantern caps, and an automatic opener with coded keypad and two remotes
- Gravel drive with a turnaround
- Ground-mounted solar array dedicated to the well pump and entrance gate
- A level building pad on the east side, already plumbed for sewer: ready for a future garage or second dwelling
- A water line stubbed under the road on the west side for a future pond or garden



Generator shed, storage shed, and solar array from above

PROPANE

Propane is leased through Blakeman Propane; the tank does not convey with the property. The kitchen range is propane gas.

CONDITIONS OF SALE

All offers shall be in writing and accompanied by an earnest money deposit and proof of funds and/or financing sufficient to complete the transaction. Buyers and sellers are each responsible for their own attorney fees. Mineral and water rights to be addressed per the purchase agreement.

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