The new system is safer for workers and customers, who can insulate and do other finish work at ground level.

Four 50-ton jacks under building raise up roof and sides in minutes.

Revolutionary Building System Lets You Construct Roof On The Ground

Big crowds at the Farm Progress Show in early September flocked to watch as an 80 by 80-ft. farm building was lifted into place in just 8 min., complete with roof and sides.

The revolutionary new construction system from FBI Buildings eliminates the most difficult part of putting up a post frame building – hanging the trusses. The roof is built on the ground, wired for electricity, insulation installed, rain gutters attached, and sides bolted on, ready to lift into place.

Once the roof and sides are ready to go, four 50-ton hydraulic jacks raise two 18-in. I-beams that run the length of the building under the trusses. They can raise a building up to 24 ft., controlled by lasers that read the lifting height of each cylinder. A computer controller adjusts the lift, ensuring that the building is level at the desired height. Scissor braces placed along the length of the I-beams keep the building stable as it's lifted.

Hinges allow workers to build and attach wall sections to the roof before lifting.

FBI says the overall increase in building cost is "minimal", especially since customers can save money on subcontracted work like HVAC, insulation, and sprinkler systems because subcontractors can work at ground level with no ladders or scissor lifts.

The QLYFT system is designed to lift buildings up to 100 ft. wide. Length is unlimited since you can add on at either end.

Contact: FARM SHOW Followup, FBI Buildings, 3823 W 1800 S, Remington, Ind. 47977 (ph 800 552-2981; www.fbibuildings.com).

The Flip Screen Bucket can be used normally with screens in place. It's water-tight so it can even be used under water.

"Flip Screen" Bucket Sifts Loads

An innovative new bucket design from Australia lets you scoop up a bucket of material, move it to a sorting area, and separate materials by size. Multiple screen options let the operator customize the operation to the materials being screened, from rocks and soil to compost, weed infested dirt, demolition remains, or scrap metal.

"Flip Screen Buckets are ideal for any type of recycling or recovery process where materials need to be separated out by size," says Shawn Brush, Flip Screen USA.

Unlike most screening devices, the Flip Screen Bucket has no vibrating or internal moving parts. Two high capacity, hydraulic drive motors produce maximum torque to easily rotate the mostly covered bucket. The motors work with any hydraulic pressure or flow.

Rotate the bucket counterclockwise and an interior shelf retains oversize material as smaller material passes through the screen. Flip rotation to clockwise and the retained larger materials fall out of the bucket.

Buckets are available in 4 models sized for a wide variety of machines, from 1 1/2-ton skid steers to 60-ton excavators. They vary from the S10 with a 0.13 cu. yard load capacity and priced at $8,900 to the BL65 with its 0.85 cu. yd. capacity at $24,500. The price includes the buyer's choice of screen.

Additional screens up to a 2-in. mesh are priced at $1,800, while screens from 2 to 3 in. are priced at $2,300. Prices of screens above 3 in. are available upon request.

Flip Screen Buckets can be used as a standard bucket with no screening as easily as with screening. The base is water-tight, allowing the operator to move wet materials around without spilling. An optional roller brush can be installed for screening sticky materials.

Durable, high-grade seals on the hydraulic motors allow the Flip Screen Bucket to operate under water. This transforms it from a screener to a mobile wash plant.

"Add the solid screen mixing plate and you can even mix concrete in a Flip Screen Bucket," says Brush.

Check out the video of the Flip Screen in action at FARMSHOW.com.

Contact: FARM SHOW Followup, Flip Screen USA, 10990 Petal St., Ste. 300, Dallas, Texas 75238 (ph 469 892-2050; shawn@flipscreen.net; www.flipscreenglobal.com).

A variety of screens are avaliable for sifting through different materials.

He Makes Fence Posts From Scrap Plastic

"Burner tank" heats to 500 degrees F to melt plastic. Then an extruder forces molten liquid into molds.

"I've got a yard full of inventions and am working on more every day," says Danny Farkash, while walking a visitor past what looks like an amazing oil pipe sculpture attached to a giant metal whale.

Farkash says the huge contraption took him 2 1/2 years to perfect, but now he uses it to make 4-in. dia. by 7-ft. long plastic fence posts from many types of scrap plastic, including used grain and silage bags.

To start the process, his old Cockshutt 1850 tractor runs a stripped-down combine and swather to tear apart scrap plastic. Pieces are blown out and fed into a telescoping extruder that extends inside the super-heated burner made from an old anhydrous tank. Various sizes and lengths of used oil pipes extend up and out of the long tank to control heat and provide ventilation.

The "burner" tank heats to 500 degrees F, melting the plastic as the extruder forces the molten liquid into the post molds. Heat is generated by old and broken wood pallets fed into the burners, which make up the legs that support the chamber. Farkash collects a large amount of scrap plastic from Canadian farmers. Because those bags are dirty, they'd typically be buried in a landfill, but his operation can use them all. He's also burning old pallets that would otherwise go to a landfill.

Farkash is big on recycling and intent on doing it without the help of government subsidies. His invention can kick out two posts a minute. They're caught in a cradle for cooling, then pushed out and stacked in a bundle for shipping. By early 2021 he had orders for nearly 4,000 posts and expects more as word of his product gets around.

When his machine isn't running, his crew builds fence line feeders, free standing fence panels, silage feeders, big bale feeders, trailers and other items out of oil field scrap steel.

Farkash says his business is continually evolving and he sees a time when production of the posts might really take off. He says there's basically an infinite supply of scrap plastic available, and more is generated every year. In addition to collecting from farmers, he's also working with municipalities to collect junk plastic that's about to be buried in landfills.

Contact: FARM SHOW Followup, Danny Farkash, Noralta Farms, Ltd., R.R. #3, Vermillion, Alberta TX9 1Y8 Canada (ph 780 853-7637).

Farkash has thousands of orders for his 4-dia., 7-ft. long posts.