



Tech notes



Pre-engineered Package Lift Stations
for Wastewater and Stormwater

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Moving It All Indoors

THIS EDITION OF TECH NOTES looks at the use of pre-engineered utility buildings on the lift station site. All buildings offer the following advantages:

- *security*
- *temperature control*
- *site aesthetics*
- *flexibility of design*

Romtec Utilities buildings include:

- *choice of three sizes*
 - small (housing all electricals)
 - medium (indoor generator)
 - large (multi-use functions)
- *prefabricated or ready-to-install kits*
- *designs meet all building codes*
- *engineered plans and specs included*

Control buildings on a lift station site come in all shapes and sizes to fit all sorts of needs. At Romtec Utilities, we design the functionality of the buildings to meet the needs of the engineering community, and the looks of the structure to suit the environment and the needs of the community.

BUILDING BENEFITS

All control structures, regardless of size, offer the advantages of security. With electricals and other valuable controls locked up in a secure, vandalism-resistant structure, there's relatively little for the site operator to worry about.

In addition, a utility building allows for temperature control around delicate instruments, especially helpful in very hot and very cold climates.

Aesthetics is another appeal. A control building can "clean up" a site by placing most, if not all, controls and equipment inside the structure. If changes need to be made to the system, they will



SplitLok 6'-8" x 8'-8" concrete building: electricals are inside, disconnect panel and power meter outside.



Mid-size control building with multiple penetrations, triple disconnect panel outside.

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be made inside the building, avoiding clutter and construction on the site. In addition, our pre-engineered buildings can be designed to adhere to community aesthetic standards, with custom exteriors and roofing styles.

BUILDING SIZES

Our pre-engineered control buildings come in three general sizes – small, mid-size, and large – with each type of structure offering its own advantages.

SMALL – Small control buildings normally have a single door and small pitched or single slope roof. In a typical 6'-8" x 8'-8" building, the control panel and perhaps the automatic transfer switch

for the generator is housed inside, with the power meter, disconnect panel and accessory equipment located outside. In some cases, the only visible external structures will be the tops of the wet well and valve vault; everything else is locked up nice and tight in a secure concrete building.

MID-SIZE – The mid-size control building gives site designers the opportunity to move the standby electrical generator indoors. That usually means powered louvers for air intake and exhaust, larger doors to ease of generator installation and removal, and perhaps a heavier and thicker slab for mounting the generator. Bringing

equipment indoors helps protect it in extreme climates, and also makes maintenance easier for technicians, who can work under cover.

LARGE – Many different layouts are available in the larger building designs, which can range from 24' x 14' to 28' x 38'. A large building allows a site designer to take everything indoors—multiple control panels, generators, electrical, mechanical and perhaps even chemical functions. Roll-up doors are a common design features, as are office space and first-aid stations, including emergency eyewash and even shower facilities. Buildings can be designed with multiple penetration points in the walls and slabs. Raised slabs with containment offer additional safety features.

Romtec Utilities' control buildings can be specified to meet the specific needs of any lift station site.



A wide variety of exterior colors and finishes are available.

Large control buildings can house multiple control panels and a desk area, as well as powered louvers, and safety and first aid features.



FOR MORE INFORMATION

Here's what comes with a Romtec Utilities building:

- Full AutoCAD plans
- Complete pre-engineered structures, including: walls, roof, roof insulation, doors, windows, passive wall vents
- All fasteners and hardware to construct and anchor the building
- All exterior siding, roofing and trim materials
- Options such as skylights, powered vents, heating, electrical and plumbing fixtures
- Final plans designed and stamped by engineers
- Complete turnkey installation through Romtec Construction management.

For more information, call Romtec Utilities at 541-496-3541 or visit our website at www.romtecutilities.com.