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Reference Letter

regarding the delivery and commissioning of stand-alone vacuum and conventional toilets by individual entrepreneur M.I. Timchenko (TauRus Group, Moscow, Russia)

In 2019, engineers of TauRus Group working together with STROYCOM INVEST and individual entrepreneur M.I. Timchenko installed several dozens stand-alone modular buildings equipped with vacuum and conventional (gravity-flow) vandal-proof toilets.

The Statement of Works defines the modular toilet booth as a mobile structure with one or two bathroom stalls, sink, hand dryer, soap and paper towel dispensers. It also includes tanks for clear water and grey water with corresponding volume. The unit requires no connection to water supply and disposal lines and is made of modern materials.

The units' modular design allows to change the layout of assemblies (if needed) which gives plenty of flexibility to match different buildings.

The units come with heat-insulated metal doors, lighting, heating and air ventilation systems. Heat insulation includes sandwich panels with a fireproof insulation material. Finishing layer of the floor uses non-slip materials, such as corrugated aluminum and ceramic granite tiles. Exterior finishing includes aluminum composite panels and ceramic panels for hinged ventilated facades.

Vacuum toilets provide the following advantages compared to conventional installations:

- Significant water economy – only 0.5 liter of water is required per flush, which offers up to a 93% reduction in water consumption.
- Autonomy (no connection to utility lines required);
- Significantly reduced costs of gray water disposal due to an order of magnitude less volume thereof, which also reduces negative impact on the environment;
- Improved comfort, no odors;
- Simple installation and easy onsite maintenance of the unit, modern appearance.

All the materials and equipment were delivered and supervised installation and commissioning were conducted with proper quality and on time.

Management of Ice Group KZ LLP decided to continue cooperation with TauRus Group, STROYCOM INVEST and individual entrepreneur M.I. Timchenko to further pursue its program of infrastructural improvements.

Deputy Director



Timur Daniyarov