

INVITATION TO BID

PRE-MANUFACTURED MULTI-USER FLUSH BUILDING

Edwardsville Township will receive sealed bids for a pre-manufactured multi-user flush building until 4:30 p.m. CST, Tuesday, April 28, 2015 at the office of Edwardsville Township, 300 W Park Street, Edwardsville, Illinois.

Bids will be opened and read aloud on Tuesday, April 28, 2015 at 7:00 p.m. CST at the regular meeting of the Edwardsville Township Board of Trustees, which will be held at Glen Carbon Elementary School Media Center, 141 Birger, Glen Carbon, Illinois 62034.

The bid documents are on file in the office of Edwardsville Township from whom a copy may be obtained.

All bids shall be submitted in writing and signed by the bidder or an authorized agent and must include the bidders address and phone number. All bids must be clearly marked “**Pre-Manufactured Multi-User Flush Building**” and submitted in a sealed envelope to:

Edwardsville Township
300 W Park
Edwardsville, Illinois 62025

Edwardsville Township reserves the right to reject any or all bids and waive any formalities.

Edwardsville Township

Publication Date: April 17, 2015

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GENERAL INSTRUCTIONS TO BIDDERS

1. A "Bid" is a responsive, conforming, unconditional, complete, legible, and properly executed offer by a Bidder to provide the work specified in the Invitation for Bids for the compensation specified.
2. Bids shall be clearly marked with the work name, contact person, mailing address, and telephone number of the Bidder.
3. It shall be the responsibility of the Bidder to ensure that the Bid is in proper form and in the Township's possession by or before the time and date designated in the Invitation for Bids. Bids will not be accepted after the designated time and date. Any Bid received late will be returned to the Bidder unopened, if possible.
4. All participating forms, by their signature hereunder, shall agree to comply with all conditions, requirements, and instructions of this Bid as stated or implied herein. Should the Township omit anything from this bid package which is necessary to clear understanding of the items required, or should it appear that various instructions are in conflict, then the companies shall secure instructions from Mr. Frank Miles, Edwardsville Township Supervisor.
5. Participating firms are expected to examine all documents contained herein. Failure to do so shall in no way relieve a participating firm from obligations with respect to his or her offer or to the resultant award. Non responsive and incomplete submittal may be deemed cause for rejection.
6. Any item which does not meet all of the terms, conditions, or specifications of this package must be clearly indicated on the exceptions to the bid section of this document or on a separate sheet of paper and returned with your Bid.
7. Withdrawal of inadvertently erroneous bids before the award may be permitted if the Bidder submits proof which clearly and convincingly demonstrates, as determined by the Township, that an error was made. **BIDS MAY NOT BE RE-SUBMITTED.**
8. The Township shall not reimburse any Bidder for any costs incurred in preparing a Bid or attending equipment demonstrations, inspections, pre-bid conferences, or interviews.
9. Substitutions or modifications to any of the terms, conditions, or specifications of this Bid which are made by Edwardsville Township after the packages have been distributed to prospective firms, and prior to the due date and time, will be made in writing, and signed by the Supervisor. No employee of Edwardsville Township is authorized to, in any way, modify any of the terms, conditions, or specifications of this package, without written approval of the Supervisor. This is not to imply that offers will not be accepted or considered on specifications which are different than those herein.
10. The Township reserves the right to determine, in its sole reasonable discretion, whether any Bid meets the needs or purposes intended and is within the approved budget. The Township does not base its award on prices alone. Also to be considered are: quality of product; past experience with the Bidder or any subcontractors, consultant, products or suppliers; qualifications of the Bidder and/or subcontractors

or suppliers; services offered; warranties; maintenance considerations; long-range costs; delivery; and similar conditions.

11. The final award shall be made by Edwardsville Township in the best interest of the Township.
12. The Township reserves the right to conduct such investigations as it deems necessary to assist in the evaluation of any Bid to establish the experience, responsibility, reliability, references, reputation, qualifications, or financial ability of any Bidder, manufacturer or supplier. The purpose of such investigation is to satisfy the Township that the Bidder has the experience, resources, and commercial reputation necessary to supply the specified equipment and to perform the necessary warranty and product support in accordance with the Bid Documents in the prescribed manner and time.
13. The Township reserves the right, if it deems such action to be in its best interests, to reject any and all Bids or to waive any irregularities or informalities therein. Any incomplete, false, or misleading information provided by any Bidder shall be grounds for rejection of the Bid. If bids are rejected, the Township further reserves the right to investigate and accept the next best Bid in order of ranking, or to reject all Bids and re-solicit for additional Bids.
14. No Bid shall include federal excise taxes or state or local sales or use taxes.
15. All parts not specifically mentioned which are necessary in order to provide a complete unit, shall be included in the Bid. Any item listed as "Standard" in the manufacturer's published specification, furnished by the Bidder, is assumed to be included in the Bid. Any variations shall be outlined in writing, noting cost factors where applicable.
16. Each Bid shall include a statement of standard warranty of the manufacturer.
17. Any Bid received as a result of this request is prepared at the Bidder's expense and becomes Township property and is therefore a public record upon opening by the Township.
18. If you consider any of the information being submitted to be trade secrets, privileged information, or confidential commercial, financial, geological, or geophysical data, it is your responsibility to label the information as such. Otherwise, all information submitted shall be available as a public record for public inspection.
19. By submitting a Bid, the Bidder acknowledges that (a) the preparation of the Bid, and other quotations herein contained, does not obligate the Township in any way; (b) the Township assumes no obligation to enter into an agreement for the work; (c) all Bid documents are understood; and (d) the offer has the equipment, technical ability, personnel and facilities to complete the work as specified herein in accordance with the bid documents.
20. No Bid may be withdrawn for a period of sixty (60) days after the deadline for Bids.

BID REQUIREMENTS

1. Edwardsville Township will receive sealed bids for a pre-manufactured multi-user flush building until 4:30 p.m. CST Tuesday, April 28, 2015 at the office of Edwardsville Township, 300 W Park Street, Edwardsville, Illinois, at which time all bids will be publicly opened and read aloud.
2. The building shall be brand new, of the latest design in current production, be equipped with all equipment and include all required equipment necessary to provide a complete functional multi-user flush building whether specified or not. All equipment and options listed in the specification section of this document must be included in the bid.
3. Only bids from authorized dealers will be considered.
4. The specifications and options list below are intended to describe the building and equipment in a way that meets the requirements and needs of Edwardsville Township. They are not meant to represent a complete list of specifications or a complete piece of equipment. Please provide a detailed list of all the standard specifications and features for the building and equipment(s) you intend to propose.
5. Any variations to the specifications or options listed below must be noted on the Exceptions to Bid Section.
6. Vendor may supply a price sheet outlining additional options recommended for this equipment type. Additional options will not be considered as part of the bid award. Once an award has been made Edwardsville Township may consider these additional options at the outlined price to add to the final build specifications.
7. Pricing for the equipment shall include all costs complete, including freight, delivery and dealer preparation charges, for delivery to Edwardsville Township Community Park, located at 6368 Center Grove Road, Edwardsville, Illinois 62025 within ninety (90) days of the acceptance of the bid.
8. All bids must be submitted on the “Bidder Reply Form”
9. Bidder must include a complete list of specifications and options for the building and equipment they intend to provide – as built list.
10. Bidder must include manufactures printed standard specifications for the building and equipment they intent to provide.
11. Vendor must supply an operator manual for each building and equipment provided.
12. Vendor must supply a parts book for each building and equipment provided.
13. Vendor must supply a complete set of Service & Repair Technical Manuals for the entire building and equipment. The Service & Repair Technical Manuals may be in hard copy or electronic format.
14. All bids submitted must include three (3) copies of submitted documents.

SPECIFICATIONS AND OPTIONS

All specifications and options listed below are the minimum requirements needed to meet the needs of Edwardsville Township for a pre-manufactured multi-user flush building with two (2) stalls and one (1) sink per room.

GENERAL

Basis of Design is a chase restroom building. Standard features include simulated barnwood texture walls, simulated cedar shake textured roof, vitreous china fixtures, interior and exterior lights, off loaded and set up at site. Include: freight/delivery to the Edwardsville, IL area, crane, off-loading and setting of the building on accessible and prepared site.

ADDITIONAL REQUIRED OPTIONS

Simulated Delta Rib Roof
Split Face Block Wall Texture
Three (3) 16-Gauge Galvanized Steel Doors and Frames
Stainless Steel Plumbing Fixtures (2 – Lavatories, 2 – Water Closets)
Electric Flush Valves
Electric Lavatory Faucets
Electric Hand Dryers
Two (2) Soap Dispensers
Electric Heater – Chase Only
Two (2) 3-Roll Toilet Paper Holders
Two (2) Exhaust Fans
Three (3) GFI Outlets
Three (3) Floor Drains
Two (2) S/S Mirrors
ADA Grab Bars
Two (2) Koala Baby Changing Stations
Sanitary Napkin Disposal
Two (2) Wastepaper Baskets
ADA Signs
One (1) Hose Bib in Chase Area
Exterior Mounted ADA Drinking Fountain
Exterior Frost-Proof Hose Bib with Box
Two-Tone Color Scheme
Two-Tone Touch Up Kit
Motion Controlled Interior Lights
Photo Cell Controlled Exterior Lights

SPECIFICATIONS FOR PRE-MANUFACTURED MULTI-USER FLUSH BUILDING

1.0 SCOPE

- A. This specification covers the construction and placing of the precast concrete flush toilet building.

2.0 SPECIFICATIONS

- A. ASTM C33 Concrete Aggregates
- B. ASTM C39 Method of Test for Compressive Strength of Cylindrical Concrete Specimens
- C. ASTM C94 Standard Specification for Ready-Mixed Concrete
- D. ASTM C143 Method of Test for Slump of Concrete ASTM
- E. C150 Standard Specification for Portland Cement
- F. ASTM A185 Standard Specification for Steel Welded Wire Reinforcement, Plain, or Concrete
- G. ASTM C192 Method of Making and Curing Test Specimens in the Laboratory
- H. ASTM C231 Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
- I. ASTM C309 Standard Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
- J. ASTM C494 Standard Specification for Chemical Admixtures for Concrete
- K. ASTM A615 Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
- L. ASTM C618 Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
- M. ASTM C979 Standard Specification for Pigments for Integrally Colored Concrete
- N. ACI 211.1 Standard Practice for Selecting Proportions for normal, Heavyweight, and Mass Concrete
- O. ACI 306 Cold Weather Concreting
- P. ACI 318 Building Code Requirements Structural Concrete and Commentary (includes Errata)
- Q. PCI MNL 116 Prestressed Concrete Products

3.0 MANUFACTURER CRITERIA

- A. The manufacturer supplying the requested precast concrete flush facility must meet the following:
 - 1. Manufacturer must be ISO 9001 Certified at the time of bid.
 - 2. Manufacturing plant must be PCI Certified at the time of bid.
 - 3. Manufacturer must not have defaulted on any contract within the last five (5) years.
 - 4. Manufacturer must provide stamped, engineered drawings prior to acceptance.
 - 5. Manufacturer must be pre-approved prior to bidding.
 - 6. Manufacturer must show four examples of precast concrete flush facilities produced, installed and in use as an example of their ability to perform this contract.
 - 7. Manufacturer shall provide a 20 year warranty.

4.0 DESIGN CRITERIA

- A. The building must be designed to individually meet the following criteria. Calculations and Engineer's stamped drawings must be available, for standard buildings, upon request by the Township and are for their sole and specific use only. The design criteria are to ensure that the building not only will withstand the forces of nature listed below but to provide protection from vandalism and other unforeseen hazards. Design criteria include 2006 IBC Code, 2006 IPC, 2008 NEC.
1. Roof Snow Load
 - a. The building is designed to withstand a 250 pounds per square foot snow load.
 2. Floor Load
 - a. The building is designed to withstand 400 pounds per square foot floor load.
 3. Wind Load
 - a. The building will withstand the effects of 150 mile per hour (3 – second gust) wind exposure C.
 4. Earthquake
 - a. The building will withstand the effects of a seismic group 1 design Category E earthquake.
 5. Additional Design Standards
 - a. The building is designed to meet the requirements of the sixty-inch turning radius inside toilet room specified by the American with Disabilities Act Requirements and Uniform Federal Accessibility Standards as of the date of these specifications.
 - b. The building is an all concrete design with a minimum 3/12 roof pitch.
 - c. The building shall have a minimum 4 inch wall, 4 ½ inch roof, and 5 inch thickness.
 - d. All wall to floor interior surface seams shall have a minimum 1” radius covering made of high strength grout.

5.0 MATERIALS

- A. Concrete – General: The concrete mix design will be designed to ACI 211.1 to produce concrete of good workability.
1. Concrete will contain a minimum of 675 pounds of cementitious material per yard. Cement will be a low alkali type I/II or III Conforming to ASTM C-150.
 2. Coarse aggregates used in the concrete mix design will conform to ASTM C33 with the designated size of coarse aggregate #67.
 3. Minimum water/cement ratio will not exceed .45.
 4. Air-entraining admixture will conform to ASTM C260. Water reducing admixtures will conform to ASTM C494, Type A.
 5. If Self Compacting Concrete (SCC) is used, it must conform to ASTM C1611.
- B. Colored Concrete
1. Color additives will conform to ASTM C979. A 12”x12”x1” color sample will be available for Township approval.
 2. The following will contain colored concrete:
 - a. Toilet building roof panels

- b. Building walls
 - c. Screen panels
- 3. The same brand and type of color additive will be used throughout the manufacturing process.
- 4. All ingredients will be weighed and the mixing operation will be adequate to ensure uniform dispersion of the color.
- C. Cold Weather Concrete
 - 1. Cold weather concrete placement will be in accordance with ACI 306.
 - 2. Concrete will not be placed if ambient temperature is expected to be below 35 degrees F during the curing period unless heat is readily available to maintain the surface temperature of the concrete at least 45 degrees F.
 - 3. Materials containing frost or lumps of frozen materials will not be used.
- D. Hot Weather Concrete
 - 1. The temperature of the concrete will not exceed 95 degrees F at the time of placement. When the ambient reaches 90 degrees F the concrete will be protected with moist covering.
- E. Concrete Reinforcement
 - 1. All reinforcing steel will conform to ASTM A615. All welded wire fabric will conform to ASTM A185.
 - 2. All reinforcement will be new, free of dirt, oil, paint, grease, loose mill scale and loose or thick rust when placed.
 - 3. Details not shown on drawings or specified will be to ACI318.
 - 4. Steel reinforcement will be centered in the cross-sectional area of the walls and will have at least 1 1/4 inch of cover on the under surface of the floor.
 - 5. The maximum allowable variation for center-center spacing of the reinforcing steel will be 1/2 inch.
 - 6. Full lengths of reinforcing steel will be used when possible. When splices are necessary on long runs, splices will be alternated from opposite sides of the components for adjacent steel bars. Lap bars #4 or smaller a minimum of 12 inches. Lap bars larger than #4 a minimum of 24 bar diameters.
 - 7. Reinforcing bars will be bent cold. No bars partially embedded in concrete will be field bent unless approved by the Township.
- F. Sealers and Curing Compounds
 - 1. Curing compounds, if used, will be colorless, complying with ASTM C309, type I or 1-D.
 - 2. Weatherproofing sealer for exterior of building will be a clear water repellent penetrating sealer.
- G. Caulking, Grout, Adhesive and Sealer
 - 1. Caulking service temperatures from -40 to +194 degrees F.
 - 2. Interior and exterior joints will be caulked with a paintable polyurethane sealant.
 - 3. Grout will be anon-shrink type and will be painted to match the color of surrounding concrete as nearly as possible.
 - 4. Cement base coating is formulated with a very fine aggregate system and is a built in bonding agent.

H. Paint

5. All paints and materials will conform to all Federal specifications or be similar “top-of-the-line-components”. Paints will not contain more than .06 percent by weight of lead.
6. Types of paints for toilets
 - a. Inside concrete surfaces
 - i. Interior floors will be a chemical resistant urethane. The color will be gray.
 - ii. Interior walls and ceilings will be a modified acrylic, water repellent penetrating stain. The color will be white, followed by a clear acrylic anti-graffiti sealer.
 - b. Metal surfaces both inside and out.
 - i. DTM ALKYD
 - c. Exterior concrete surfaces
 - i. Exterior slab will be clear sealer.
 - ii. Exterior walls and roof will be a water repellent penetrating stain in the same color as the walls or roof followed by a clear acrylic anti-graffiti sealer.

I. Grab bars

1. Grab bars will be 18 gauge, type 304 stainless steel with 1-1/2 inch clearance. Grab bars will each be able to withstand 300 pound top loading.

J. Toilet Paper Dispenser

1. Dispenser will be constructed of ¼ inch thick, type 304 stainless steel. Dispenser will be capable of holding three (3) standard rolls of toilet paper. Toilet paper holder fastening system will be able to withstand 300 pound top loading.

K. Steel Doors

1. Doors will be flush panel type 1-3/4” thick, minimum 16 gauge Galvanized steel, top painted with DTM ALKYD.
2. Door frames will be knockdown or welded type, single rabbet, minimum 16 gauge prime coated steel top painted with DTM ALKYD, width to suit wall thickness. Three (3) rubber door silencers will be provided on latch side of frame.

L. Door Hinges

1. Door hinges will be three (3) per door with dull chrome plating 4-1/2”x 4-1/2”, adjustable tension, automatic-closing for each door.

M. Lockset

1. Lockset will meet ANSI A156.2 Series 4000, Grade 1 cylindrical lockset for exterior door.
2. Lever handle both inside and out
3. Either handle operates latch unless outside handle is locked by inside push-button.
4. Push-button will automatically release when inside lever handle is turned or door is closed.
5. Emergency slot on exterior so door can be unlocked from the outside with a coin, screwdriver and etc.
6. Inside lever always active.
7. U.S. 26D finish.

N. Dead Bolt

1. Deadbolt will be a Lori Lock standard model with a double cylinder, 2-3/4 inch backset, and US26D finish. The cylinder will be a standard 1-1/8 inch Schlage Mortise cylinder with compression ring and 626 finish.

O. Door Stop

1. Doorstop will be a dome style stop meeting ANSI 156.16.

P. Double Coat Hook

1. Coat hook will be 304 stainless steel 16 gauge (1.5mm), formed construction with a satin finish and have 3/16"x7/8" nail in anchor. Upper hook will extend at least 2-1/2 inches from the wall. Lower hook will extend at least 1-1/4 inches from the wall.

Q. Door Sweep

1. Door sweep will be provided at the bottom of door and will be an adjustable brush type.

R. Wall Vent

1. Wall vent will be crank operated allowing the unit to be opened or closed. Crank will be removable. Vent cover will be 14 gauge 304 stainless steel painted with DTM and anchored into the concrete wall with high strength anti-rust tap con fasteners. Vent to come with insect screen. Cover to be recessed a minimum 3/4 inch on exterior walls with a 45 degree bevel. Interior to be flush mounted. Wall vent will not protrude from the wall.

S. Signs

1. Signs to have raised pictograms, letters and Braille to meet ADA.
2. All signs inset a minimum of 3/4 inch into wall with 45 degree bevel.
3. All signs to be anchored into concrete with 1/4" x 3/4" concrete anchor nails.

T. Windows

1. Window frames will be constructed from steel.
2. Window glazing will be 3/16" thick translucent pebble finished mar-resistant Lexan.
3. Windows to have 3/4" recess with 45 degree bevel.
4. Window frames to have vandal resistant fasteners.

U. Plumbing

1. All fixtures to meet ANSI A112.19.2
2. Waste and vent material will be ABS or PVC plastic and will be plumbed to meet Uniform Building Codes,
3. Water material will be copper tubing Type L, hard drawn. A gate valve will be provided at the inlet end of the water line. All water lines will be of a size to provide proper flushing action based on a nominal water pressure of 40 psi.
4. All plumbing will be concealed in the service area.
5. Toilet will be constructed of vitreous china, wall hung, with siphon jet action. Toilet will have a back spud for a concealed flush valve connection and will be mounted with the top of the seat 18 inches above the finished floor. Seat will be heavy duty solid plastic with an open front. Optional stainless steel fixtures available.
6. Flush valve will be concealed closet flush-o-meter constructed of rough brass. Furnish valve with integral vacuum breaker and wall mounted push button. Valve will be of a water saver type with a flow of 1.6 gallons per flush.

7. Lavatory will be vitreous china with back splashguard, front overflow opening, equipped with brass trap and drainpipe without stopper. Sink will be 20 inches wide x 18 inches front to back x 5-3/4 inches deep with ADA trap cover. Optional stainless steel fixtures available.
8. Water valve will be self-closing water set with indexed push button.
9. Hose bib available in the chase area.
10. A main shut-off valve and drain will be provided with plumbing.
11. Hammer arrester to be installed on water line.
12. Trap primer distribution unit shall be installed.
13. Optional Instant-Flow tank-less electric water heater. Temperature rise of 75 degrees at .5gpm with a temperature preset of 104 degrees.

V. Electrical

1. All components UL listed
2. All electrical wiring will be in conduit, surface mounted in the service area and concealed in the user compartments. All wire will be copper.
3. A 100-amp NEMA 3R breaker panel will be provided and must be mounted on the exterior of the building to meet electrical code.
4. The chase area will have, cast in both common walls, Lexan windows to allow light into each toilet room with one (1) 4-foot 3 bulb ceiling mounted low temperature ballast light fixture.
5. 2 exterior 35-watt High Pressure Sodium lights, polycarbonate vandal resistant.
6. The optional hand dryer is an air compression type with remote motor unit. Push button switch located in cast nozzle housing with flexible hose connecting blower motor, housing and nozzle. Power input 120VAC, 7A (non-heated air).
7. Two restroom area exhaust fans HVI certified, with 270 CFM speed controlled (control in chase area).
8. Lighting on the exterior of building will be photocell activated; interior will be motion activated; override switch in chase/utility room.

6.0 MANUFACTURE

A. Mixing and Delivery of Concrete

1. Mixing and delivery of concrete will be in accordance with ASTM C94, section 10.6 through 10.9 with the following additions:
 - a. Aggregate and water will be adjusted to compensate for differences in the saturated surface-dry condition.

B. Placing and Consolidating Concrete

1. Concrete will be consolidated by use of mechanical vibrators. Vibration will be sufficient to accomplish compaction but not to the point that segregation occurs.

C. Finish Concrete

1. Interior floor and exterior slabs will be floated and troweled.

2. All exterior building walls and exterior screen walls will be any one of the available textures.
3. All exterior surfaces of the roof panels will be cast to simulate any one of the available textures. The underside of the overhang will have a smooth finish.

D. Cracks and Patching

1. Cracks in concrete components which are judged to affect the structural integrity of the building will be rejected.
2. Small holes, depressions and air voids will be patched with a suitable material. The Patch will match the finish and texture of the surrounding surface
3. Patching will not be allowed on defective areas if the structural integrity of the building is affected.

E. Curing and Hardening Concrete

1. Concrete surfaces will not be allowed to dry out from exposure to hot, dry weather during initial curing period.

7.0 FINISHING AND FABRICATION

A. Structural Joints

1. Wall components will be joined together with two welded plate pairs at each joint. Each weld plate will be 6" long and located one pair in the top quarter and one pair in the bottom quarter of the seam. Weld plates will be anchored into the concrete panel and welded together with a continuous weld. The inside seams will be a paintable caulk. The outside seams will use a caulk in a coordinating building color or clear.
2. Walls and roof will be joined with weld plates, 3"x6" at each building corner.
3. The joint between the floor slab and walls will be joined with a grout mixture on the inside, a matching colored caulk on the outside and two weld plates 6" long per wall.

B. Painting/Staining

1. An appropriate curing time will be allowed before paint is applied to concrete.
2. Some applications may require acid etching. A 30% solution of hydrochloric acid will be used, flushed with water and allowed to thoroughly air dry.
3. Painting will not be done outside in cold, frosty or damp weather.
4. Painting will not be done outside in winter unless the temperature is 50 degrees F. or higher.
5. Painting will not be done in dusty areas.
6. All surface voids to be filled prior to painting.

7. Schedule of finishes:
 - a. Inside concrete surfaces
 - i. Interior floors will be a chemical resistant urethane. The color will be gray.
 - ii. Interior walls and ceilings will be 2 coats of a modified acrylic, water repellent penetrating stain, followed by 1 coat of clear sealer.
 - b. Metal surfaces both inside and out
 - i. 2 coats of DTM ALKYD
 - c. Exterior concrete surfaces
 - i. Exterior walls will be 2 coats of water repellent penetrating stain in the same color as the walls or roof followed by 1 coat of clear acrylic anti-graffiti sealer.

8.0 TESTING

- A. The following tests must be performed on concrete used in the manufacture of toilets. All testing will be performed in the CDT (PCI certified) laboratories. Testing will only be performed by qualified individuals who have been certified ACI Technician Grade 1. Sampling will be in accordance with ASTM C172.
 1. The air content of the concrete will be checked per ASTM C231 on the first batch of concrete. The air content will be in the range of 5.0%+/- 2.0%.
 2. The compressive strength of the cylinders will be tested to ASTM C39. The bidder must make one (1) cylinder for release, one (1) for 7-days and one (1) for 28-days. The release must be a minimum strength of 2500 psi, the 7-day must be a minimum of 4500 psi and the 28- day must be a minimum of 5000 psi.
 3. A copy of all test reports will be available to the Township as soon as 28-day test results are available.

9.0 INSTALLATION

A. Scope of Work

1. Work specified under this Section relates to the placement of the unit by bidder on Township prepared foundations.

B. Location

1. It's the responsibility of the Township to:
 - a. Provide exact location by stakes or other approved method.
 - b. Provide clear and level site free of overhead and/or underground obstructions.
 - c. Provide access to the site for truck delivery and sufficient area for the crane to install and the equipment to perform the contract requirements.

- d. Water, electrical, and sewage site connections to be placed per bidder drawings. Must be placed to easily connect to the building.

C. Compacting

- 1. The bottom of the area must be compacted after it has been dug out. After the base has been placed, it must be compacted as well. The bearing of the soil and base should be a minimum of 1,500 pounds per square foot.

D. Base

- 1. After compacting the bottom of the area, a minimum of 6" of a compacted, ¾" minus material base of gravel (i.e. road base) should be placed for support, leveling and drainage purposes. The base also limits frost action. The base must be confined so as to prevent washout, erosion or any other undermining.

E. Access to Site

- 1. Delivery to site made on normal highway trucks and trailers. If at the time of delivery conditions of access are hazardous or unsuitable for truck and equipment due to weather, physical constraints, roadway width or grade, bidder may require an alternate site with better access provided to ensure a safe and quality installation. In any such case, additional costs for cranes, trucking, and etc. will be charged to the account of the Township.

10.0 WARRANTY – PRECAST DIVISION

- A. Bidder must provide a warranty against defects in material or workmanship for a period of twenty (20) years on all concrete components. The warranty is valid only when concrete is used within the specified loadings. Furthermore, said warranty includes only the related material necessary for the construction and fabrication of said concrete components. All other non-concrete components will carry a one (1) year warranty. Bidder warrants that all goods sold pursuant hereto will, when delivered, conform to specifications set forth above. Goods shall be deemed accepted and meeting specifications unless notice identifying the nature of any non-conformity is provided to bidder in writing within the specified warranty. Bidder, at its option, will repair or replace the goods or issue credit for the Township provided bidder is first given the opportunity to inspect such goods. It is specifically understood that bidder's obligation hereunder is for credit, repair or replacement only, F.O.B. Bidder's manufacturing plants, and does not include shipping, handling, installation or other incidental or consequential costs unless.
- B. This warranty shall not apply to:
 - 1. Any goods which have been repaired or altered without bidder's express written consent, in such a way as in the reasonable judgment of bidder, to adversely affect the stability or reliability thereof;

2. To any goods which have been subject to misuse, negligence, acts of God or accidents or
3. To any goods which have not been installed to manufacturer's specifications and guidelines, improperly maintained, or used outside of the specifications for which such goods were designed.

11.0 DISCLAIMER OF OTHER WARRANTIES

- A. The warranty set forth above is in lieu of all other warranties, express or implied. All other warranties are hereby disclaimed. Bidder makes no other warranty, express or implied, including, without limitation, no warranty of merchantability of fitness for a particular purpose or use.

12.0 LIMITATION OF REMEDIES

- A. In the event of any breach of any obligation hereunder, breach of any warranty regarding the goods or any negligent act or omission or any party, the parties shall otherwise have all rights and remedies available at law; however, IN NO EVENT SHALL BIDDER BE SUBJECT TO OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

INVITATION TO BID
Pre-Manufactured Multi-User Flush Building

Bidder Reply Form

Name and Address of Bidder

Name of Company: _____

Address: _____

Phone Number: _____ Fax Number: _____

Representative's Name: _____

Representative's Signature: _____

Representative's Phone Number: _____ Fax Number: _____

Bid

Total Bid Price: _____

Exceptions to Bid

If additional space is needed, attach additional sheet.