SECTION 09 30 00

SHOWER PAN AND DRAINS

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\*\* NOTE TO SPECIFIER \*\* Whitewater Inc.; shower pan and drain products.
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This section is based on the products of Whitewater Inc., which is located at:
195 S. Geneva Rd.
Lindon, UT 84042
Tel: 801-785-1201
Fax: 801-785-7962
Email: [request info (tysonw@whitewaterinc.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Whitewater+Inc.&coid=45412&rep=&fax=801-785-7962&message=RE:%20Spec%20Question%20(09307whi):%20%20&mf=)
Web: [www.whitewaterinc.com](http://www.whitewaterinc.com) | [www.whitewaterpro.com](http://www.whitewaterpro.com)
 [ [Click Here](http://www.arcat.com/arcatcos/cos45/arc45412.html) ] for additional information.
Whitewater's acrylic shower bases are the perfect solution for your shower floor. They are durable, stylish, and the nonporous surface is much easier to clean than other surfaces. A variety of sizes are available and we can also replace your old bathtub with a slip resistant shower pan that fits in the same space. This is becoming an increasingly popular option to reduce the dangers associated with climbing in and out of a bathtub.
Whitewater's "Made For Tile" shower pan is ready to be tiled using modified thin set and doesn't require hard to work with epoxies. Install your tile the same day, and save time and money. With a perfect slope, this shower pan creates a no hassle solution that eliminates any questions on shower drainage and ensures you that your shower will always drain properly.
Whitewater's Tyvarian shower pan has an authentic stone appearance with over 100 colors to choose from. Select a Calcutta Marble, Travertine, Granite, or many other colors to choose from. Explore the endless possibilities in color with a Whitewater shower pan. Tyvarian shower pans are a quick and easy alternative to tile with a grout-free and mold and mildew resistant finish.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Acrylic Shower base
		2. Tile-able shower pan.
		3. Cast marble shower base
		4. HD Shower Pan
		5. Linear Shower drain.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
		2. Section 06 10 00 - Rough Carpentry.
		3. Section 06 61 00 - Simulated Stone Fabrications.
		4. Section 07 90 00 - Joint Protection.
		5. Section - .
		6. Section 09 30 00 - Tiling.
		7. Section 09 30 50 - Tile Setting Materials and Accessories\*. Drainage panels, sheet-applied, bonded waterproof membrane compatible with floor drains.
		8. Section 10 21 16 - Shower and Dressing Compartments.
		9. Section 22 13 19.13 - Sanitary Drains.
		10. Section 22 13 19.13 - Sanitary Drains.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ANSI Z 124.1.2 - American National Standard for Plastic Receptors; American National Standards Institute.
		2. CAN/CSA B 45 - Plumbing Fixtures.
		3. CAN/CSA B 125 - Plumbing Fixture Fittings.
		4. CSA B79-08: Floor, Area, and Shower Drains, and Cleanouts for Residential Construction.
		5. IAPMO IGC 195: Interim Guide Criteria for Floor Drain with Integrated Bonding Flange.
	1. DESIGN / PERFORMANCE REQUIREMENTS
		1. Products shall comply with:
			1. ANSI Z 124.1.2 - American National Standard for Plastic Receptors; American National Standards Institute.
			2. ANSI/ICPA SS-1 - Performance Standard for Solid Surface Materials.
			3. CAN/CSA B 45 - Plumbing Fixtures.
			4. CAN/CSA B 125 - Plumbing Fixture Fittings
	2. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation Instructions.
		3. Shop Drawings: Submit plans, elevations, and detail section; indicate overall dimensions, material thickness, location and size of product, and mounting provisions and methods.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum ten years documented experience and a current Member of International Cast Polymer Alliance (ICPA).
		2. Installer Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Packing and Shipping: Pack cast marble products in protective wooden crates to minimize shipping damage. Palletize other components.
		2. Check for shipping damage during unloading at site and notify manufacturer immediately of any obvious damage.
		3. Store products in manufacturer's unopened packaging until ready for installation.
		4. Store products under shelter, off the ground, and protected from moisture. Materials must be at room temperature (65 plus degrees) prior to installation. Handle products to prevent physical damage. Protect surfaces from staining, scratching, and other damage during handling and installation.
		5. Avoid lifting or transportation of pan by flange
	2. PROJECT CONDITIONS
		1. Field measurements: Verify shop drawings prior to fabrication.
		2. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
	3. COORDINATION
		1. Coordinate Work with other operations and installation of floor finish materials to avoid damage to installed materials.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Whitewater Inc., which is located at: 195 S. Geneva Rd.; Lindon, UT 84042; Tel: 801-785-1201; Fax: 801-785-7962; Email: [request info (tysonw@whitewaterinc.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Whitewater+Inc.&coid=45412&rep=&fax=801-785-7962&message=RE:%20Spec%20Question%20(09307whi):%20%20&mf=); Web: [www.whitewaterinc.com](http://www.whitewaterinc.com) | [www.whitewaterpro.com](http://www.whitewaterpro.com)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Edit the following General paragraphs as required and applicable to project LEED requirements. Coordinate project locations for applicable regional credits. Delete the paragraphs that are not applicable or if LEED is not applicable.

* 1. EQUIPMENT
		1. Acrylic Shower Base:
			1. Description: Prefabricated, sloped acrylic shower base.
			2. Size:

\*\* NOTE TO SPECIFIER \*\* Select one of the following size paragraphs and delete the ones not required for project.

* + - * 1. Single Curb Center Drain Shower Pan: 36 inch by 36 inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				2. Double Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				3. Triple Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required for project. See manufacturers literature for selection required.

* + - 1. Color:
				1. As selected by the Architect.
				2. White.
		1. Tile-able Tile Made for Tile Shower Pans:
			1. Description: Prefabricated, sloped ready for tile shower tray base, made of polyester resin with fiberglass and filler material. Complies with the applicable requirements and tests of CSA B45.5/IAPMO Z124 and IA)MO OS 106-215.
			2. Size:

\*\* NOTE TO SPECIFIER \*\* Select one of the following size paragraphs and delete the ones not required for project.

* + - * 1. Single Curb Center Drain Shower Pan: 36 inch by 36 inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				2. Double Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				3. Triple Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
			1. Drains: Integrated PVC or ABS drain for 2 inch pipe.
		1. Cast Marble Shower Base:
			1. Description: Tyvarian prefabricated, sloped shower tray base, of cast marble fabrications made of proprietary resin and gel coat finished with proprietary cast marble material.
			2. Size:

\*\* NOTE TO SPECIFIER \*\* Select one of the following size paragraphs and delete the ones not required for project.

* + - * 1. Single Curb Center Drain Shower Pan: 36 inch by 36 inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				2. Double Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				3. Triple Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs and delete the one not required for project. 100 colors are available. See manufacturers literature for selection required.

* + - 1. Color:
				1. As selected by the Architect.
				2. \_\_\_\_\_\_\_\_\_\_\_\_.
		1. HD Shower Pans
			1. Description: HD/ Tyvarian prefabricated, sloped shower tray base of cast polymer resin with filler materials and high resolution imaging. Complies with the applicable requirements and tests of CSA B45.5/IAPMO Z124 and IA)MO OS 106-215.
			2. Size:

\*\* NOTE TO SPECIFIER \*\* Select one of the following size paragraphs and delete the ones not required for project.

* + - * 1. Single Curb Center Drain Shower Pan: 36 inch by 36 inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				2. Double Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
				3. Triple Curb Center Drain Shower Pan: \_\_ inch by \_\_ inch o.d. with single 3 inch high by 3 inch wide opening curb and 5.5 inch high by .5 inch thick perimeter flanges.
			1. Drains: Integrated PCV or ABS drain for 2 inch pipe
		1. Linear Shower Drains.
			1. Description: Fabricated of 16 gauge, Type 316 stainless steel. Grate is perforated with a 2 inch throat that is built into the shower pan.
			2. Size:
				1. 2-1/2 inches wide.

\*\* NOTE TO SPECIFIER \*\* Select one of the following size paragraphs and delete the ones not required for project.

* + - * 1. 32 inches long.
				2. 40 inches long.
				3. 60 inches long.
				4. 96 inches long.
			1. Finish:

\*\* NOTE TO SPECIFIER \*\* Select one of the following finish paragraphs and delete the one not required for project.

* + - * 1. Brushed stainless steel.
				2. Polished stainless steel.
	1. FABRICATI0N
		1. Use molds, materials, methods, and procedures that will result in proper texture and finish.
		2. Fabricate to required profiles and dimensions. To the greatest extent possible, fabricate each unit as a continuous piece to minimize on-site cutting or other modifications within a tolerance of 1/8 inch in each direction.
		3. Ease all edges and sand smooth: provide uniform finish on all exposed edges.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. Verify drain location and compatibility with drain system specified.
		3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces by removing all debris, sharp edges and protrusion that could damage the waterproof integrity of the system.
		3. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
		2. Install components to be plumb, level, and rigid. Neatly scribe to adjoining surfaces, and field trim as required for snug fit.
		3. Coordinate Work with installation of prefabricated shower and floor drains specified in Section 22 13 19.13 - Sanitary Drains and with setting materials for floor finish materials specified in Section 09 30 50 - Tile Setting Materials and Accessories\*.
		4. Leave protective plastic in place until final cleaning.
	4. CLEANING
		1. Clean plumbing fixtures and equipment after installation in accordance with the manufacturer's recommendations.
	5. PROTECTION
		1. Protect installed products until completion of project.
		2. Do not permit use of fixtures before final acceptance.
		3. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION