SECTION 22 13 19.13

LINEAR AND SQUARE DRAINS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* QM Drain; shower drains.
This section is based on the products of QM Drain, which is located at:129 N.W. 25th TerraceFort Lauderdale, FL 33311Tel: 954-773-9450Email: [request info (info@qm-us.com)](https://arcat.com/rfi?action=email&company=QM%252BDrain&message=RE%253A%2520Spec%2520Question%2520(15155qmd)%253A%2520&coid=50113&spec=15155qmd&rep=&fax=)
Web: <https://qmdrain.com>
 [ [Click Here](https://arcat.com/company/qm-drain-50113) ] for additional information.
QM DRAIN is a member of the Quality Metal Group family with over 18 years of experience committed to the best product design using the highest quality Stainless Steel. Dedicated to eco-friendly manufacturing a complete line of drains for use from your shower to your pool.
With headquarters in Florida, USA, and distribution in more than 27 countries, QM DRAIN has been selected for numerous high-profile projects, in several countries.
QM® DRAIN offers a wide range of linear and center drains in 3 series, Delmar, Lagos, and Bay. Bringing technologic innovations through simplification, quick installation, and guaranteed performance.
Our most recent award-winner, SUPREME, sets a new benchmark for linear drains.
QM® DRAIN is innovation, quality, and service!

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Low-Profile Linear Drains: Indoor and outdoor application.
			1. Standard and Fixed Length Linear Drains:
				1. Delmar: 100 percent 316 stainless steel.
				2. Lagos: 316 stainless steel and ABS plastic.
				3. Bay: 304 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Custom length drains are available. Contact manufacturer for more information.

* + - 1. Adjustable Linear Drains: Modify length of grate and channel on-site to exact specification.
				1. Delmar: 100 percent 316 stainless steel.
				2. Lagos: 316 stainless steel and PVC plastic.
			2. Supreme: Revolutionizes installation of linear drain when pipe is off center. Eliminates need to reallocate existing pipes. 100 percent 316 stainless steel.
		1. Center/square Shower Drains: Indoor and Outdoor application.
			1. Delmar: 100 percent 316 stainless steel.
			2. Lagos: 316 stainless steel and ABS/PVC plastic.
	1. RELATED SECTIONS

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

* + 1. Section 09 30 00 - Tiling.
		2. Division 15 - Plumbing Piping.
	1. REFERENCES

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

* + 1. American Society of Mechanical Engineers (ASME):
			1. ASME A112.18.2-2015/CSA B125.2-2015 Plumbing Waste Fittings.
	1. 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. Catalog information, component sizes, rough-in requirements, service sizes, and finishes.
			3. Storage and handling requirements and recommendations.
			4. Installation Instructions.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
	2. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum 5 years experience.
		2. Installer Qualifications: Company specializing in performing the work of this section with minimum 2 years experience installing similar products.
		3. Source Limitations for Materials and Accessories: Obtain product of a uniform quality for each application condition from a single manufacturer.

\*\* 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. Rebuild mock-up area as required to produce acceptable work.

\*\* NOTE TO SPECIFIER \*\* Include a Preinstallation conference if the project size and/or quality warrant taking such a precaution. Delete if not required.

* + 1. Preinstallation Conference: Conduct conference at the Project site.
			1. Convene one week prior to commencing work of this section.
			2. Require attendance of installation material manufacturer, plumber, waterproofing installer, tile installer and installers of related work. Review installation procedures and coordination required with related work.
			3. Meeting agenda includes but is not limited to:
				1. Drain location.
				2. Prefabricated substrate requirements.
				3. Drainage membrane requirements.
				4. Tile and installation material compatibility.
				5. Edge protection, transition, and pre-fabricated movement joint profiles.
				6. Waterproofing techniques.
				7. Crack isolation techniques.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
		2. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
		3. Store materials in a dry, warm, ventilated weathertight location.
		4. Handling: Handle materials to avoid damage.
	2. PROJECT CONDITIONS
		1. 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 recommended limits.
	3. COORDINATION
		1. Coordinate Work with other operations and installation of floor finish materials to avoid damage to installed materials.
	4. WARRANTY
		1. Warranty: Manufacturer's standard limited material warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: QM Drain, which is located at:129 N.W. 25th TerraceFort Lauderdale, FL 33311Tel: 954-773-9450Email: [request info (info@qm-us.com)](https://arcat.com/rfi?action=email&company=QM%252BDrain&message=RE%253A%2520Spec%2520Question%2520(15155qmd)%253A%2520&coid=50113&spec=15155qmd&rep=&fax=);Web: <https://qmdrain.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 \*\* Our Linear shower drain allows you to pitch your surface from any direction giving you the most versatility. Five unique patterns including the "tile-in" option of surface material, all you have to do is dream it. Delete if not required.

* 1. LINEAR SHOWER DRAINS
		1. Delmar Series Standard/Fixed length Linear Drains:
			1. Grate: Removable grate, 16 gauge 316 stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete base type option not required.

* + - 1. Base Type: Plain edge.
			2. Base Type: Flange edge.
			3. Base Type: Side Outlet Flange edge.
			4. Base: 18 gauge 316 stainless steel.
			5. Width: 3.35 inches (85.1 mm).
			6. Center outlet.
			7. Includes grate, channel, threaded nipple, hair strainer, lifting key, and adjustable feet.
			8. For connection to 2 inch (51 mm) drain flange or coupling.
			9. ASME A112.18.2-2015/CSA B125.2-2015 compliant.
			10. Grate Designs:

\*\* NOTE TO SPECIFIER \*\* A design as simple and pure as a lotus, the most beautiful and exquisite flower to ever have grown in water. Go to <https://qmdrain.com/product/lotus-linear-drain/> for more information. Delete if not required.

* + - * 1. Lotus Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Length: 48 inches (1219 mm).

Length: 58 inches (1473 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Bronze.

Finish: Black.

Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* A tribute to the way water disguises everything around us in nature. Go to <https://qmdrain.com/product/mist-tile-in-linear-drain/> for more information. Delete if not required.

* + - * 1. Mist Line; Tile-In:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Length: 48 inches (1219 mm).

Length: 58 inches (1473 mm).

Finish: Satin stainless steel.

Finish: Black.

\*\* NOTE TO SPECIFIER \*\* Inspired by the strong and determined way a river flows into the ocean. Go to <https://qmdrain.com/product/delta-linear-drain/> for more information. Delete if not required.

* + - * 1. Delta Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Length: 48 inches (1219 mm).

Length: 58 inches (1473 mm).

\*\* NOTE TO SPECIFIER \*\* Select required finish. Delete finish not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

\*\* NOTE TO SPECIFIER \*\* From the word sea in Hawaiian, Kai pays tribute to the tranquility and vastness of open sea. Go to <https://qmdrain.com/product/kai-linear-drain/> for more information. Delete if not required.

* + - * 1. Kai Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Finish: Satin stainless steel.

\*\* NOTE TO SPECIFIER \*\* Named after the Japanese word for wave and inspired by beautiful ripple marks on a sandy beach. Go to <https://qmdrain.com/product/nami-linear-drain/> for more information. Delete if not required.

* + - * 1. Nami Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Finish: Satin stainless steel.

\*\* NOTE TO SPECIFIER \*\* Go to <https://qmdrain.com/product/wedgewire-linear-drain/> for more information. Delete if not required.

* + - * 1. Wedgewire Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 24 inches (610 mm).

Length: 28 inches (711 mm).

Length: 32 inches (813 mm).

Length: 36 inches (914 mm).

Length: 48 inches (1219 mm).

Length: 58 inches (1473 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

Finish: Black.

\*\* NOTE TO SPECIFIER \*\* Delete Lagos Series paragraph if not required.

* + 1. Lagos Series Standard/Fixed length Linear Drains:
			1. Grate: Removable grate tile insert. ABS plastic with Stainless Steel 316 covered edges.
			2. Base: ABS plastic with Stainless Steel 316 covered edges.
			3. Width: 3 inches (76.2 mm).
			4. Pre-pitched channel with center outlet.
			5. Includes grate, channel, threaded nipple, hair strainer, and lifting key.
			6. Connection: For 2 inch (51 mm) drain flange.
			7. ASME A112.18.2-2015/CSA B125.2-2015 compliant.

\*\* NOTE TO SPECIFIER \*\* A design as simple and pure as a lotus, the most beautiful and exquisite flower to ever have grown in water. Go to <https://qmdrain.com/product/veil-tile-in-linear-drain/> for more information. Delete if not required.

* + - 1. Veil Line; Tile Insert:
				1. Length: 12 inches (304.8 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - * 1. Finish: Satin.
				2. Finish: Polishes.
				3. Finish: Bronze.
				4. Finish: Black.
				5. Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* Delete Bay Series paragraph if not required.

* + 1. Bay Series standard/fixed length Linear Drains:
			1. Grate: Removable grate. 16 gauge 304 stainless steel.
			2. Base: 18 gauge 304 stainless steel.
			3. Width: 2.75 inches (69.85 mm).
			4. Pre-pitched channel with center outlet.
			5. Includes grate, channel, threaded nipple, Anti-Odor/hair catcher, and lifting key.
			6. Connection: For 2 inch (51 mm) drain flange.
			7. ASME A112.18.2-2015/CSA B125.2-2015 compliant.
			8. Grate Type:

\*\* NOTE TO SPECIFIER \*\* A design as simple and pure as a lotus, the most beautiful and exquisite flower to ever have grown in water. Go to <https://qmdrain.com/product/bay-linear-drain-2-in-1/> for more information. Delete if not required.

* + - * 1. Bay 2 in 1 Line (tile-in/smooth stainless steel); reversible grate:

\*\* NOTE TO SPECIFIER \*\* Delete length option not required.

Length: 24 inches (610 mm).

Length: 36 inches (914 mm).

Finish: Satin.

\*\* NOTE TO SPECIFIER \*\* For Ria Line go to <https://qmdrain.com/product/ria-linear-drain/> for more information. Delete if not required.

* + - * 1. Ria Line:

\*\* NOTE TO SPECIFIER \*\* Delete length option not required.

Length: 24 inches (610 mm).

Length: 36 inches (914 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Satin.

Finish: Polishes.

Finish: Black.

Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* Field adjustable length. Intended for use with traditional waterproofing methods. Delete if not required.

* + 1. Delmar Adjustable Linear Drains:
			1. Grate: Removable grate 316 stainless steel.
			2. Base: Multi-part base, for site length adjustment:
				1. 18 gauge 316 stainless steel.
				2. Include joiners and side trim.
				3. Include leveling legs for channel pitch.
			3. Outlets: 2 inch (51 mm) outlet\* or 3 inch (76 mm) high flow outlet.
			4. Width: 3.375 inches (86 mm).
			5. Includes grate, base, outlet, joiners, trims, threaded nipple, hair strainer\*, lifting key, stainless steel cutting, and sealant.
			6. For connection to 2 inches (51 mm) drain flange or 3 inch (76 mm) High flow drain flange.

\*\* NOTE TO SPECIFIER \*\* Drain flange can be included as an option. Select one of the following two paragraphs to include drain flange. Delete both if not required.

* + - 1. Drain Flange: Cast Iron.
			2. Drain Flange: PVC or ABS.
			3. Grate Designs:

\*\* NOTE TO SPECIFIER \*\* For Wedgewire go to <https://qmdrain.com/product/wedgewire-adjustable-delmar-linear-drain/> for more information. Delete if not required.

* + - * 1. Wedgewire Line:

\*\* NOTE TO SPECIFIER \*\* Delete kit lengths not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm). Includes two outlets, two hair strainers, two pair of joiners, and two adapters.

Kit Length: 96 inches (2438 mm) Includes two 48 inch grates, two outlets, two hair strainers, two pair of joiners, and two adapters.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

Finish: Black.

\*\* NOTE TO SPECIFIER \*\* For perforated drains go to <https://qmdrain.com/product/perforated-adjustable-delmar-linear-drain/> for more information. Delete if not required.

* + - * 1. Perforated:

\*\* NOTE TO SPECIFIER \*\* Delete kit length options not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm). Includes two outlets, two hair strainers, two pair of joiners, and two adapters.

Kit Length: 96 inches (2438 mm). Includes two outlets, two hair strainers, two pair of joiners, and two adapters.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

\*\* NOTE TO SPECIFIER \*\* For Mist Line go to <https://qmdrain.com/product/mist-tile-in-adjustable-delmar-linear-drain/> for more information. Delete if not required.

* + - * 1. Mist Line (Tile-In):

\*\* NOTE TO SPECIFIER \*\* Delete kit length options not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm). Includes two outlets, two hair strainers, two pair of joiners, and two adapters.

Kit Length: 96 inches (2438 mm). Includes two outlets, two hair strainers, two pair of joiners, and two adapters.

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

\*\* NOTE TO SPECIFIER \*\* Delete Lago adjustable linear drains if not required.

* + 1. Lagos Adjustable Linear Drains:
			1. Grate: Removable grate, 316 stainless steel.
			2. Base: Multi-part base, for site length adjustment:
				1. PVC channel.
				2. Include joiners and side trim (all 4 sides).
				3. Include leveling legs for channel pitch.
			3. Outlets: 2 inch outlet or 3 inches High flow outlet
			4. Width: 3.375 inches (86 mm).
			5. Includes: grate, base, outlet, joiners, trims, threaded nipple, hair strainer\*, lifting key.
			6. For connection to 2 inch (51 mm) drain flange\* or 3 inch (76 mm) high flow drain flange.

\*\* NOTE TO SPECIFIER \*\* Drain flange can be included as an option. Select one of the following two paragraphs to include drain flange. Delete both if not required.

* + - 1. Drain Flange: Cast Iron.
			2. Drain Flange: PVC or ABS.
			3. Grate Design:

\*\* NOTE TO SPECIFIER \*\* For Wedgewire go to <https://qmdrain.com/product/wedgewire-adjustable-lagos-linear-drain/> for more information. Delete if not required.

* + - * 1. Wedgewire Line:

\*\* NOTE TO SPECIFIER \*\* Delete kit length options not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm) (only black finish includes two 36 inch grates) includes two outlets, two hair strainers, two pair of joiners, and two adapters).

Kit Length: 96 inches (2438 mm) (includes two 48 inch grates) (includes two outlets, two hair strainers, two pair of joiners, and two adapters).

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel

Finish: Black

\*\* NOTE TO SPECIFIER \*\* For Perforated Drains go to <https://qmdrain.com/product/perforated-adjustable-lagos-linear-drain/> for more information. Delete if not required.

* + - * 1. Perforated:

\*\* NOTE TO SPECIFIER \*\* Delete kit lengths not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm) (includes two outlets, two hair strainers, two pair of joiners, and two adapters).

Kit Length: 96 inches (2438 mm) (includes two outlets, two hair strainers, two pair of joiners, and two adapters).

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel

\*\* NOTE TO SPECIFIER \*\* For Mist Line go to <https://qmdrain.com/product/mist-tile-in-adjustable-lagos-linear-drain/> for more information. Delete if not required.

* + - * 1. Mist Line; Tile-In:

\*\* NOTE TO SPECIFIER \*\* Delete kit lengths not required.

Kit Length: 36 inches (914 mm).

Kit Length: 48 inches (1219 mm).

Kit Length: 60 inches (1524 mm).

Kit Length: 72 inches (1829 mm) (includes two outlets, two hair strainers, two pair of joiners, and two adapters).

Kit Length: 96 inches (2438 mm) (includes two outlets, two hair strainers, two pair of joiners, and two adapters).

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel

\*\* NOTE TO SPECIFIER \*\* Delete Delmar series drains if not required.

* + 1. Delmar Series Supreme Linear Drains:
			1. Grate: 13 gauge 316 stainless steel.
			2. Base: 18 gauge 316 stainless steel.
			3. Width: 2.36 inches (60 mm).
			4. Base houses an internal rail system which enables the grate to be in a different position than the base and the outlet.
			5. Pre-pitched channel with off center outlet.
			6. Includes grate, channel, threaded nipple, hair strainer, lifting key, level, sealant.
			7. For connection to 2 inch (51 mm) drain flange.
			8. ASME A112.18.2-2015/CSA B125.2-2015 compliant.
			9. Grate Design:

\*\* NOTE TO SPECIFIER \*\* A design as simple and pure as a lotus, the most beautiful and exquisite flower to ever have grown in water. Go to <https://qmdrain.com/product/supreme-delmar/> for more information. Delete if not required.

* + - * 1. Supreme Line:

\*\* NOTE TO SPECIFIER \*\* Delete length options not required.

Length: 30 inches (762 mm).

Length: 40 inches (1016 mm).

Length: 50 inches (1270 mm).

Length: 60 inches (1524 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Satin.

Finish: Polished.

Finish: Black.

Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* For Supreme Tile-In+ go to <https://qmdrain.com/product/supreme-tile-in/> for more information. Delete options not required.

* + - * 1. Supreme Tile-In+ (Reversable/One size fits all):

Length: 8 inches (203 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Satin.

Finish: Polished.

Finish: Black.

Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* Our line of centrally located, four-way pitched drains gives you a contemporary, sophisticated, aesthetic option to enhance your space. Multiple patterns and finishes to choose from our two series, QM drain redefines everything a drain should be. Delete article if not required.

* 1. CENTER/SQUARE SHOWER DRAINS
		1. Delmar Series Center/Square Drains:
			1. Grate: Removable grate, 16 gauge 316 stainless steel.
			2. Base: 18 gauge 316 stainless steel.
			3. Requires traditional 4-way floor pitch.
			4. Includes grate, base, hair strainer, and lifting key.
			5. For connection to 2 inch (51 mm) drain flange. Except Kai 8 inches (203 mm) for 3 inch (76 mm) high flow drain flange.
			6. ASME A112.18.2-2011/CSA B125.2-2011 compliant.
			7. Grate Type:

\*\* NOTE TO SPECIFIER \*\* Inspired by the strong and determined way a river flows into the ocean. For Delta Line go to <https://qmdrain.com/product/delta-center-drain/> for more information. Delete if not required.

* + - * 1. Delta Line:

\*\* NOTE TO SPECIFIER \*\* Delete size option not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish option not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

\*\* NOTE TO SPECIFIER \*\* A tribute to the way water disguises everything around us in nature. For Mist Line go to <https://qmdrain.com/product/mist-tile-in-center-drain/> for more information. Delete if not required.

* + - * 1. Mist Line; Tile-In:

\*\* NOTE TO SPECIFIER \*\* Delete size option not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

Finish: Satin stainless steel.

\*\* NOTE TO SPECIFIER \*\* From the word sea in Hawaiian, Kai pays tribute to the tranquility and vastness of open sea Go to <https://qmdrain.com/product/kai-center-drain/> for more information. Delete if not required.

* + - * 1. Kai Line:

\*\* NOTE TO SPECIFIER \*\* Delete size options not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

Size: 8 x 8 inches (203 x 203 mm).

Finish: Satin stainless steel.

\*\* NOTE TO SPECIFIER \*\* Named after the Japanese word for wave and inspired by beautiful ripple marks on a sandy beach for Nami Line go to <https://qmdrain.com/product/nami-center-drain/> for more information. Delete if not required.

* + - * 1. Nami Line:

\*\* NOTE TO SPECIFIER \*\* Delete size not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

Finish: Satin stainless steel.

\*\* NOTE TO SPECIFIER \*\* A design as simple and pure as a lotus, the most beautiful and exquisite flower to ever have grown in water. Go to <https://qmdrain.com/product/lotus-center-drain/> for more information. Delete if not required.

* + - * 1. Lotus Line:

\*\* NOTE TO SPECIFIER \*\* Delete size option not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Bronze.

Finish: Black.

Finish: Satin Gold.

\*\* NOTE TO SPECIFIER \*\* Lagos is our line of center shower drains that allow you to enjoy a unique modern design in showers that require a centrally located, four-way pitched drains. It offers the most cost effective way to access the high quality that only grates made of stainless steel Marine 316 can provide. Choose from two designs each available in three finishes and two sizes. Delete if not required.

* + 1. Lagos Series Center/Square Drains:
			1. Grate: Removable grate, 15 gauge 316 stainless steel.
			2. Base: ABS plastic.
			3. Requires traditional 4-way floor pitch.
			4. Includes grate, base, hair strainer, and lifting key.
			5. For connection to 2 inch (51 mm) drain flange.
			6. ASME A112.18.2-2011/CSA B125.2-2011 compliant.
			7. Grate Type:

\*\* NOTE TO SPECIFIER \*\* True to its name, which means ocean in Sanskrit, Mira evokes the boundless beauty of the sea. Go to <https://qmdrain.com/product/mira-center-drain/> for more information. Delete if not required.

* + - * 1. Mira Line:

\*\* NOTE TO SPECIFIER \*\* Delete size option not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

Finish: Bronze.

Finish: Black.

Finish: Satin gold.

\*\* NOTE TO SPECIFIER \*\* For Veil Line go to <https://qmdrain.com/product/veil-tile-in-center-drain/> for more information. Delete if not required.

* + - * 1. Veil Line; Tile-in:

\*\* NOTE TO SPECIFIER \*\* Delete size option not required.

Size: 4 x 4 inches (102 x 102 mm).

Size: 5-3/4 x 5-3/4 inches (146 x 146 mm).

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

Finish: Satin stainless steel.

Finish: Polished stainless steel.

Finish: Black.

Finish: Satin gold.

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. Prepare surfaces by removing all debris, sharp edges and protrusions that could damage the waterproof integrity of the system.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
		3. Review manufacturer's written instructions completely prior to start of installation.
		4. Verify waste pipe rough-in location prior to drain installation.
		5. Clean surfaces thoroughly prior to installation.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.
		2. Coordinate with installation of prefabricated shower trays, load-bearing bonded waterproof membrane meeting ANSI A118.10, drainage membrane and other components specified, and with setting materials for floor finish materials.
	4. FIELD QUALITY CONTROL
		1. Water Test: Upon completion of work, plug drain, dam areas if necessary, and fill with water. Inspect for leakage after 24 hours or in accordance with local code requirements. Make repairs and re-test at no additional cost to the Owner.
	5. CLEANING

\*\* NOTE TO SPECIFIER \*\* For manufacturer's cleaning instruction go to https://qmdrain.com/cleaning-instructions/

* + 1. Upon installation and field quality control drain, clean drain of debris to the satisfaction of the Owner.
	1. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION