

# aquatherm

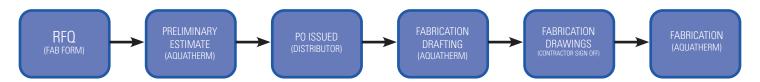
# **FABRICATION SERVICES OVERVIEW**

Valued Aquatherm Customer,

Thank you for choosing Aquatherm Fabrication Services. We would like to provide a brief outline of the processes that Fabrication Services will follow throughout your project. If you have any guestions, please contact Aquatherm Fabrication Services.

Best regards, Aquatherm Fabrication Services Team fabrication@aguatherm.com

# **FABRICATION PROCESS**



#### FABRICATION PROCESS WITH SCAN-TO-FAB



# PRELIMINARY ESTIMATE (BUDGETARY ESTIMATE)

A preliminary estimate will be based on information and documents provided.

Aquatherm can support the following file formats:

- **PDF**
- STEP
- **RVT**
- **SLDPRT**
- DWG
- **SLDASM**
- **RCP**
- IPT

**RCS** 

If you have a question on a file format, please contact us via email or phone.

No fabrication, drafting, or BIM services are provided with the preliminary estimate.

List price is based solely from the defined scope of work in the preliminary estimate. A link to the marked-up copy of the documents will be provided with the preliminary estimate.

BIM Services will not start until a purchase order has been received.





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#### **PURCHASE ORDERS**

Your purchase order will lock in the scope and pricing based on the estimate provided. Aquatherm will hold the project pricing for the duration of the project. Deviations from the scope that require extensive changes including but not limited to; pipe diameter, pipe SDR, or complete rework of the existing system, are subject to pricing changes. A new purchase order will need to be issued, based on the updates made. Fabrication timelines will be determined when the fabrication drawings are signed off by the contractor.

# **BIM SUPPORT**

Aguatherm offers full BIM support throughout your project. Our services can help contractors optimize the fabrication process and the installation of their piping systems. We also can convert your BIM project from steel or copper pipe to Aguatherm pipe. We also can attend coordination meetings as part of your team to ensure successful coordination for the project.

#### **OVERALL DRAWINGS**

Once the preliminary estimate has been approved and a purchase order has been issued, the overall drawing process will begin. Overall drawings will be provided to the contractor for approval to ensure Aguatherm is matching the correct project scope.

Overall drawings will allow for changes as needed: the fabrication project will not proceed without approval of the overall drawings from the contractor.

# **SCAN-TO-FAB (IF APPLICABLE)**

Aquatherm offers optional Scan-To-Fab services. For an additional fee, a trained Aquatherm Technician will travel to the jobsite to perform the 3D scan.

Aguatherm will scan the jobsite and create a point cloud from the jobsite scan. This will then be used to create the Overall Drawings for the fabrication job. Aquatherm can also support the scan files if the job site has already been scanned by a party other than Aquatherm. Aguatherm is not responsible for the accuracy of scans not performed by Aquatherm.

# **SPOOL BREAKS**

The contractor is responsible for identifying the following:

- Spool break locations. Breaks must take into consideration shipping constraints: no longer than 48' (special request for 53') and not wider or taller than 8'.
- If necessary, the job will be broken into individual phases. When the job needs to be broken up into phases, the contractor must specify the priority order of the phases and which spools are included in each phase.
- The naming convention for each spool.

# **FABRICATION SPOOL DRAWINGS**

Aquatherm will provide a spool map, which will clearly mark the location of the spools per the spool breaks provided by the customer. This map will match the individual spool drawings and match the label placed on the spool during fabrication.

Aquatherm spool drawings will be based on the prioritization provided by the contractor. Aquatherm spool drawings will be labeled as directed by the contractor, who will approve each final Aguatherm spool drawing.

Aquatherm spool fabrication will not begin without the contractor's final approval. Each individual drawing will need to be signed by the contractor before fabrication is started. Aquatherm will not accept signatures on the overall drawing.

Following the receipt of approved, signed drawings, and phase information, Aquatherm will then begin scheduling the fabrication of the spools.

#### **SCHEDULING**

Aquatherm will provide a fabrication build schedule and preliminary ship date. Shipping dates are dates product is scheduled to leave the Aguatherm facility. Fabrication lead time can vary, please contact the fabrication services team for current lead times.





# **FABRICATION**

Spools will be built once they have the approved signature on the drawings, as per the prioritization provided by the contractor.

Once a spool is built and passes Aquatherm's quality control process it will have a fabrication label placed on the spool that will match the spool drawing and the spool map provided.

Aquatherm's fabrication is held to  $\pm 1/8$  &  $\pm 1/9$ .

# **BILLING**

All projects will be billed per phase as each truckload leaves Aquatherm's Lindon, Utah Facility. These are called phases.

Billing is done by build phase. Each phase is considered a truck quantity. This allows the distribution partner to maintain control of timely billing, the shipping, and release of shipments.

# **SHIPPING**

Aquatherm Fabrication Services does not include freight costs on the preliminary estimate.

At the request of the customer, Aquatherm can schedule shipping; otherwise, it is the customer's responsibility to arrange pick-up from Aquatherm's Lindon, Utah facility.

Aquatherm will prepare the spools for shipment by covering any openings of the spools or pipe. A packing list will be provided for each truckload that leaves the facility.

