

Big or Complicated?

Both Please...

CASE STUDY

Industry: Chemical

Scope: New Unit

Notes: We can always take the wall down to make room.

Narrative: Because of our long-standing relationship and strong history with a customer, we were approached about bidding a new unit. Our customer only had one supplier successfully fabricate this massive unit in the past. It was 18' tall, 25' long, and weighed just under 200,000 lbs. The size of the unit was not the challenging part, but instead the individual components are what troubled most fabricators. Most notable were the two Alloy C22 tubesheets which were 152" OD x 2-1/4" thick. These tubesheets were fabricated by welding three large Alloy C22 rectangles together and then burning the plate into circles before flattening, machining, and drilling. The unit also had titanium tubing and two large nozzles, 84" OD and 58" OD, with large extension pieces that shipped loose.

The size and scope of this heat exchanger required meticulous planning and coordination between Sales, Engineering, Purchasing, Project Management and Production. The tireless efforts of the entire Southern Heat Exchanger team resulted in a successful project and a satisfied customer. Anyone can do the easy stuff, we just make the hard stuff look easy.