



To: City of Hollywood, FL

Email: dennis.derr@solutionwerks.com

Attn: Dennis Derr

Date: 21 November 2014

From: Mike Sylla

Total Pages: 2 + Attachment

Subject: Springfield, MO N2 Superheater Firm Quote Project No: Q1042

Chart is pleased to provide our firm proposal for the Springfield, MO N2 Superheater heat exchanger:

I. Equipment Description and Pricing –

<u>Item</u>	<u>Qty</u>	<u>Core Dimensions</u>					<u>Ex-Works Price</u>
		<u>W</u>	<u>x</u>	<u>H</u>	<u>x</u>	<u>L</u>	
N2 Superheater – 32 Week Delivery	1	18”	x	13.4”	x	96”	US\$59,400

II. Technical Comments

- A. Exchanger to be designed and built per the ASME BPV Code Section VIII Div. 1 and Chart Energy & Chemicals standards. Exchanger shall be marked with a “U” stamp.
- B. All equipment will be manufactured according to Chart E&C standards, as well as the standards set forth by ALPEMA. All heat exchangers will receive hydrostatic (1.30 x design pressure) or pneumatic testing (1.10 x design pressure) as required by Chart E&C standards and the current ASME Code. No special testing or NDE has been included unless required by code.
- C. This item is a mechanical equivalent to Praxair dwg# A-2009151. This design will match all existing connection and support locations. Chart has included for updated internal components consistent with current manufacturing methods that will provide nearly identical thermal and hydraulic performance of the original unit. The overall size envelope of the exchanger will match the existing unit as well.
- D. Streams to be pressurized with dry air or N₂ (to 15 psig) for shipment.
- E. Pricing includes a domestic shipping skid and standard side support angles.
- F. All connections are stubbed and marked for field trim.
- G. All stand-alone cores do not include manifolds or interconnecting piping in Chart’s scope of supply.
- H. No vessels, additional equipment, or instrumentation has been included in Chart’s scope of supply.

III. Commercial Comments

- A. Chart proposes the following progress payments on a resulting order:
- 20% 12 weeks after order placement (approximate timing of drawing submittal)
 - 50% at mid point of ship cycle
 - 30% at offer of shipment.
- B. All payments shall be net 15 days.
- C. Pricing is to be considered firm and valid for 30 days.
- D. No taxes or duties are included in the pricing.
- E. The proposed delivery is 32 weeks Ex-Works (Incoterms 2010) Chart facility, La Crosse, WI.
- F. Chart's standard terms and conditions shall apply to this quotation.

I trust that this proposal meets your full expectations. Chart is very pleased to work with City of Hollywood, FL on this important project. Please feel free to contact me with any questions or concerns.

Kind Regards,

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