

Over and Above Estimate

Region: 5

Location: VA011

CSS #: 16707

Asset #

Maximo Work Order No.: 8804 / 6859

Date Issued: 4/15/19

Original Description: HVAC equipment proposal to install a new cooling tower.

Repair Needed: S&S Mechanical is providing this quote to CMI to remove and install a new cooling tower to the building at 1821 Industry Street, Culpeper VA.

- S&S will provide all material and labor for this project to be completed within the scope of work addressed in this proposal.
- S&S will shut down all operations of existing cooling tower, isolate from building systems and drain all glycol, water from system and dispose of waste.
- S&S will remove all electric and controls from existing cooling tower and make safe, with lock out, tag out procedures.
- S&S will remove cooling tower from building and dispose of tower to waste facility in local area.
- S&S will set new tower in place and connect all refrigeration, water, power and controls to new disconnects and bypasses.
- S&S and Chesapeake Systems will provide factory startup of tower and all controls.
- S&S will bring system to system's capacity, during this function check.
- S&S will clean and test all indoor units to ensure all units are fully functional and operating to full capacity.

Non Pre-Priced Estimate:

Quantity	Line Item Number	Description	Labor Hours	Unit	Labor Rate/Hr	Materials	Equipment	Total
Labor: \$14,500.00 1 Plumber /50 Hours/ Rate \$100.00 per hour= \$5,000.00 1 HVAC Technician /50 hours/ Rate \$100.00 per hour = \$5,000.00 1 General Maintenance Technician/ 60 hours/\$75.00 per hour= \$4,500.0			160					\$14,500
Material: \$52,462.32 Cooling tower and controls/LSWA-20AA-2/	N/A					\$52,462.32		\$52,462.32

\$45,776.64								
Glycol								
30%/55PG35D/\$2,090.00								
Fittings Pipe \$595.68								
Rigging & Disposal								
\$3,000.00								
Delivery \$1000.00								

Note: RS Means (Pre-Priced) not used in compiling this estimate.

Note: Subcontractor quote attached.

Estimate Summary:

Labor Hours	Labor Cost	Material Cost		Total Cost	CE Factor	Total Estimate
160	\$14,500.00	\$52,462.32		\$66,962.32	102%	\$68,301.56