

Over and Above Estimate

Region: 5

Location: MD021

CSS #: 16299

Asset # 2097

Maximo Work Order No.: 6442

Date Issued: 11/16/18

Original Description: Install E-Stop on boilers 1 - 4

Repair Needed:

S&S hereby purposes to return to install Estops for Boilers 1, 2, 3 and 4:

-S&S hereby proposes to install 2 push to stops on all equipment in boiler system as in accordance with NFPA 79: 2007 and ASME CSD-1.

- S&S will install emergency push buttons at each egress location (2) to allow the building personnel to shut equipment down in case of emergency.
- S&S will install all necessary conduit for push buttons
- S&S will install all wiring and breakers for the control of the 4 boilers in the mechanical room.
- S&S will perform all operational checks and ensure boilers go off and return to service once controls are turned back on.

Non Pre-Priced Estimate:

Quantity	Line Item Number	Description	Labor Hours	Unit	Labor	Materials	Equipment	Total
1	NA	Diagnostic Labor: \$250.000 1 HVAC Technician/2.5hours/ Rate \$100.00 per hour	2.5		250.00			250.00

1	N/A	Labor: 2 Technicians/18hrs/\$100.00 per hour = \$1,800.00	18		\$1,800.00			\$1,800.00
1	N/A	20A Breaker/BAB1020 /qty3 = \$108.50 30A Breaker/BAB2030 = \$75.40 1/2" EMT/98001002001 = \$28.46 1/2" Pulling L/01899783105 = \$4.88 1/2" nipple/01899700501 = \$0.40 WIC THHN/98010022900 = \$71.65 1/2" Straps/01899700370/QTY10 = \$7.30 Hoffman Box/78351058010 = \$205.39 1/2" steel compression coupling/7845640660 = \$2.35 1/2" steel connector/78456420650/ = \$3.48 Push buttons/78590184877/QTY 2 = \$301.26 Push contacts/78590188000/OTY 2 = \$67.92				\$876.99		\$876.99

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

Note: Subcontractor quote attached.

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Diagnostic Labor	Total Cost	CE Factor	Total Estimate
18	\$1,800.00	\$876.99	\$250.00	\$2,926.99	102%	\$2985.52

Note: Original SC diagnosis of \$250 is included in O&A