

CHANGE ORDER

AIA DOCUMENT G701

OWNER	<input checked="" type="checkbox"/>
ARCHITECT	<input checked="" type="checkbox"/>
CONTRACTOR	<input checked="" type="checkbox"/>
FIELD	<input type="checkbox"/>
OTHER	<input type="checkbox"/>

PROJECT: HVAC Improvements at Brick Township High School
 (name, address) 346 Chanbers Bridge Road
 Brick, NJ 08723

CHANGE ORDER: 10 revised
 DATE: August 26, 2015
 PROJECT NO. 2759
 (ARCHITECT'S)
 CONTRACT DATE: February 25, 2015
 CONTRACT FOR: HVAC

TO: AMCO Enterprises, Inc
 (name, address) 600 Swenson Drive
 Kenilworth, NJ 07033

Provide labor & materials for the installation of a new hot water booster heater and 65K rated electric breaker, expansion tank, and associated piping and electrical work in the amount of \$43,239.12 per AMCO change order proposal #14.

The booster heater is required in order to raise the hot water discharge temperature at the dish wash machine from 140° to 180° as required by the Department of Health.

The expansion tank is for the previously added domestic hot water heaters.

The Contract is to be changed as follows:

Not valid until signed by the Owner Architect and Contractor.

The original Contract Sum was.	\$4,458,000.00
Net change by previously authorized Change Orders.	\$100,354.24
The Contract Sum prior to this Change Order was.	\$4,558,354.24
The Contract Sum will be increased by this Change Order in the amount of.	\$43,239.12
The new Contract Sum including this Change Order will be.	\$4,601,593.36

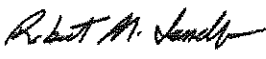
The Contract Time will be **unchanged** by **(0)** days
 The date of Substantial Completion as of the date of this Change Order therefore is **Unchanged**

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by the Construction Change Directive.

DI CARA | RUBINO ARCHITECTS
 ARCHITECT
 30 GALESI DRIVE
 WAYNE, NJ 07470

AMCO ENTERPRISES, INC
 CONTRACTOR
 600 SWENSON DRIVE
 KENILWORTH, NJ 07033

BRICK TOWNSHIP BOARD OF EDUCATION
 OWNER
 101 HENDRICKSON AVENUE
 BRICK, NJ 08724


 BY: ROBERT M. IAMELLO, AIA


 BY: AMIT THAAKER, VP OPERATIONS

BY: JAMES EDWARDS, BA

DATE: AUGUST 26, 2015

DATE: 9/2/2015

DATE:



Sales, Service, & Installation of HVAC Systems & Mechanical Work

CHANGE ORDER PROPOSAL #14 - REVISED
HUBBELL BOOSTER HEATER

August 20, 2015
August 19, 2015

Sent via email and 1st class mail

DICARA | RUBINO ARCHITECTS
30 Galesi Drive
Wayne, New Jersey 07470

Attn: Robert lamello

Re: HVAC Upgrades @ Brick Township High School

Robert,

AMCO Enterprises, Inc. respectfully submits the following Change Order proposal associated with providing and installing (1) Hubbell Booster Heater, (1) Taco Expansion tank, and all associated piping and power, as indicated in the comments issued by Remington and Vernick Engineers to our Water heater submittal (see attached).

Total ADD COST: \$43,239.12

Labor:

Install piping and equipment ST (2 men x 18hrs. @ \$119.11)	\$ 4,287.96
Install piping and equipment OT (2 men x 18hrs. @ \$178.66)	\$ 6,431.84
Super/PM - (8 hrs. @ \$125.00)	\$ 1,000.00
OH&P 10%	\$ 1,171.98
Subtotal	\$12,891.78

Material:

Hubbell Booster Heater	\$ 6,500.00
Piping (Domestic HW)	\$ 1,400.00
Expansion Tank (See attached quote)	\$ 1,012.00
OH&P 10%	\$ 891.20
Subtotal	\$ 9,803.20

Subcontractors:

TZ Electric (Power to Booster Heater)	\$17,240.00
Jersey Insulation Company (Insulation)	\$ 1,400.00
OH&P 5%	\$ 932.00
Subtotal	\$42,266.98
Bond 2.3%	\$ 972.14
Total:	\$43,239.12

NOTE: The cost of demolition of existing HW Generator / Heat Exchanger storage tank in West Boiler room, per note #7, to be included in a separate change order.

If you have any questions, feel free to contact us.

Regards,

Scott Fertig, P. E.

Scott Fertig, P.E.

AMCO Enterprises, Inc.

Enclosure: Water Heater Submittal comments (2 pages)
Quote from Wales Darby (1 page)
Quote from TZ Electric (4 pages)

CLARIFICATIONS:

Please note that following items are NOT included in this change order.

- 1) Any kind of Cleaning work including providing dumpster.
- 2) Electrical Work – No cost impact.
- 3) No water balancing, trenching, excavation, backfilling, gravel, or digging
- 4) Additional cost due to unforeseen conditions. AMCO will submit separate cost proposal for any additional work due to unforeseen conditions.

APPROVED & ACCEPTED BY: _____

APPROVED AMOUNT: _____

APPROVED DATE: _____

SIGNED BY: _____

REMINGTON & VERNICK ENGINEERS
232 KINGS HIGHWAY EAST, HADDONFIELD, NJ 08033

LETTER OF TRANSMITTAL

AUGUST 12, 2015

DI CARA RUBINO ARCHITECTS
30 GALESI DRIVE
WAYNE, NJ 07470

ATTN: ROBERT M. IAMELLO, AIA

RE: HVAC UPGRADES TO BRICK TOWNSHIP HIGH SCHOOL
346 CHAMBERSBRIDGE ROAD
BRICK, NJ 08723
R&V PROJECT #: 3874X004

MR. IAMELLO:

WE ARE SENDING YOU ATTACHED UNDER SEPARATE COVER _____ THE FOLLOWING ITEMS:

SHOP DRAWINGS CHANGE ORDERS SPECIFICATIONS
 CALCULATIONS SPECIFICATION GUIDE EQUIPMENT INFORMATION

<u>COPIES</u>	<u>DESCRIPTION</u>	<u>STATUS</u>
1	DOMESTIC HOT WATER HEATERS	APPROVED AS NOTED

THESE ARE TRANSMITTED AS CHECKED BELOW:

NO EXCEPTIONS TAKEN REVISE & RESUBMIT COPIES FOR RECORD
 APPROVED AS NOTED REJECTED
 FOR YOUR INFORMATION SUBMIT ___ COPIES FOR DISTRIBUTION

THE APPROVAL OF ALL SHOP DRAWINGS IS SUBJECT TO THE RESPONSIBILITY OF THE CONTRACTOR. DRAWINGS APPROVED ARE APPROVED FOR GENERAL CONFORMITY TO SPECIFICATIONS AND PLANS. APPROVAL ASSUMES NO RESPONSIBILITY WHATSOEVER FOR CORRECTIONS OF MEASUREMENTS OR QUANTITIES, NOR DOES APPROVAL AUTHORIZE EXTRA WORK. CONTRACTORS ARE REQUIRED TO CHECK AND CERTIFY ALL DRAWINGS BEFORE SUBMISSION TO THE ENGINEER.

NOTES:

- In addition to the two (2) submitted hot water heaters please provide a new electric booster heater to serve the existing dishwasher in the West Wing Kitchen to raise the domestic hot water temperature from 140 deg. F. to 180 deg. F. The electric booster heater shall be Hubbell Model J645 (copy attached) or approved equal. The electric booster heater shall be provided with a capacity of 45 kW and a recovery rate of 461 GPH at a 40 deg. F. temperature rise. The voltage of the electric booster heater shall be 208V-3PH-60HZ. Provide the booster heater with the piping accessories shown on the "Typical J6 Plumbing Connections" installation diagram on page 7 of the attached Hubbell Electric Booster Heater information. Locate the electric booster heater adjacent to the dishwasher in the kitchen in accordance with the local authority having jurisdiction and all applicable codes.
- Provide the domestic hot water heaters with low water cut-offs and temperature/pressure relief valves.
- Provide one (1) expansion tank for the domestic hot water system. The expansion tank shall be Taco Model No. PAX-30 (copy attached) or approved equal.
- As AMCO Enterprises, Inc.'s personnel are on site daily, please provide a shop drawing with your proposed domestic hot water piping, fuel gas piping and hot water heater venting arrangement on an urgent basis for our immediate review and subsequent approval.
- Provide a new 175 amp / 3 pole branch breaker in the available 400 amp space located in substation HV-MDP for the new electric booster heater. Provide branch feeder size 13C as indicated on the Wire & Conduit Schedule on Drawing E-1.0.

REMINGTON & VERNICK ENGINEERS
232 KINGS HIGHWAY EAST, HADDONFIELD, NJ 08033

LETTER OF TRANSMITTAL

6. Provide branch circuit size 2A as indicated on the Wire & Conduit Schedule on Drawing E-1.0 for each of the new domestic hot water heaters. Connect the new branch circuits to spare circuits No. 9 & 11 (20 amp/1 pole circuit breakers) in new panel HVAC-1.
7. The existing domestic hot water generator located in the West Boiler Room shall be not be connected to the new domestic hot water system and shall be demolished.
8. Provide all domestic water piping and insulation in accordance contract specification sections 15140 (Domestic Water Piping) and 15083 (Pipe Insulation).

REMINGTON & VERNICK ENGINEERS

BY:


CHRISTOPHER A. SAPONARO, P.E.

CC: Job File (1 Copy)

Scott Fertig

From: Amit Thakkar <athakkar@amco-enterprises.com>
Sent: Tuesday, August 18, 2015 7:12 AM
To: <sfertig@amco-enterprises.com>
Cc: Mike Thakkar AMCO; Amit Thakkar
Subject: Fwd: NEED TACO Expansion Tank quote for change roder BRICK HS

Scott:

Please see attached proposal for BRICK HS change order for Expansion tank .

Sent from my iPhone

Begin forwarded message:

From: Fred Liguori <fliguori@walesdarby.com>
Date: August 17, 2015 at 9:46:29 PM EDT
To: "athakkar@amco-enterprises.com" <athakkar@amco-enterprises.com>
Subject: RE: NEED TACO Expansion Tank quote for change roder BRICK HS

\$ 1012.00 each. I have 2 as of today

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Amit Thakkar <athakkar@amco-enterprises.com>
Date: 08/17/2015 2:30 PM (GMT-05:00)
To: Fred Liguori <fliguori@walesdarby.com>
Cc: sfertig@amco-enterprises.com, mthakkar@amco-enterprises.com, mpatel@amco-enterprises.com
Subject: RE: NEED TACO Expansion Tank quote for change roder BRICK HS

Hi Fred:

Please provide us the quote for attached TACO Expansion Tank for DOMESTIC Water heaters for BRICK HS project ASAP.

Also, do you have this ET in STOCK?

Please advise.

Amit Thakkar

600 Swenson Drive
Kenilworth, NJ 07033
Phone: 908.241.4177
Fax: 908.241.4179
www.amco-enterprises.com

BID SUMMARY REPORT

Name: Est. # 16

Estimator: STEVE

Job #: 207

Job Name: Est. # 16

Contractor:

Estimator: STEVE

Notes:

Bid Date: Wednesday, October 15, 2014

Included	Summary Description	Extended	%	Adjusted Material	Extended	%	Adjusted Labor
<input type="checkbox"/>	Brick HS HWH	\$2,281.54	100.00	\$2,281.54	72.88	100.16	73.00

Top Sheet

Raw Cost	\$14,926.54	Sales Per Month	\$0.00
Tax	\$0.00	Return Per Month	\$0.00
Raw Cost With Tax	\$14,926.54	Price Per Sq Foot	\$0.00
Overhead	\$1,492.65	Hours Per Sq Foot	0.00
Profit	\$820.96	Square Feet	0.00
Total Return \$	\$2,313.61	Job Months	0.00
Total Return %	13.41	Hours per Week	40.00
Price	\$17,240.15	Workers Per Day	0.00
Bond	\$0.00	Total Hours	73.00
Sell Price	\$17,240.15	Mark Up Sales Tax?	No
Sell Adjusted By:	\$0.00	Use Bond Table?	No
Adj Sell Return	0		\$0.00

Labor	Percent	Hours	Hourly	Burden		
ClassDescription	of Total	Distributed	Rate	Rate	Percent	Labor Cost
	100.00%	73.00	\$100.00	\$0.00	0.00%	\$7,300.00
Totals:	100.00%	73.00	\$100.00	\$0.00	0.00%	\$7,300.00

MARK UPS

	OVERHEAD		PROFIT	
	Total	%	Amount	%
Materials	\$2,281.54	10.00%	\$2,509.69	5.00%
Labor	\$7,300.00	10.00%	\$8,030.00	5.00%
Supplier Quotes	\$5,345.00	10.00%	\$5,879.50	5.00%
SubContractors	\$0.00	10.00%	\$0.00	5.00%
Direct Job Expense	\$0.00	10.00%	\$0.00	5.00%
Equipment Rental	\$0.00	10.00%	\$0.00	5.00%
Totals:	\$14,926.54	10.00%	\$16,419.19	5.00%

TAX Report

	Taxed Amount	Tax Rate %	Tax Amount
Materials	\$2,281.54	0.00%	\$0.00
Labor	\$7,300.00	0.00%	\$0.00
Supplier Quotes	\$0.00	0.00%	\$0.00
SubContractors	\$0.00	0.00%	\$0.00
Direct Job Expense	\$0.00	0.00%	\$0.00
Equipment Rental	\$0.00	0.00%	\$0.00
Total Tax:			\$0.00

Supplier Quotes

BID SUMMARY REPORT

Name: Est. # 16

Estimator: STEVE

Job #: 207

Name	Supplier	Tax (0%)	Unit	Multiplier	Dollars
Breaker		No	\$5,345.00	1.00	\$5,345.00
				Total:	\$5,345.00

Items+ByProducts

Item #	Item Name	Quantity	Book Price	Ext Book Price	NECA 1	NECA 1 Ext	CCode
Category: CCode = Branch Rough							
1,002	3/4 EMT	80.00	\$44.00 C	\$35.20	5.00 C	4.00	cb
1,083	3/4 EMT CONN S/S	4.00	\$65.00 C	\$2.60	0.15 E	0.60	cb
1,155	3/4 EMT COUP S/S	8.00	\$90.00 C	\$7.20	0.06 E	0.48	cb
5,528	3/4 LIQUIDTIGHT FLEX	8.00	\$193.00 C	\$15.44	5.00 C	0.40	cb
5,540	3/4 LIQUIDTIGHT FLEX	4.00	\$432.00 C	\$17.28	0.18 E	0.72	cb
15,585	4/S BOX 2-1/8" DEEP	2.00	\$506.00 C	\$10.12	30.00 C	0.60	cb
Totals for CCode				\$87.84		6.80	
Category: CCode = Feeder Rough							
1,006	2 EMT	110.00	\$165.00 C	\$181.50	8.00 C	8.80	cf
1,018	2 EMT 90 ELBOW	6.00	\$580.00 C	\$33.60	0.50 E	3.00	cf
1,087	2 EMT CONN S/S	4.00	\$380.00 C	\$15.20	0.25 E	1.00	cf
1,159	2 EMT COUP S/S	23.00	\$180.00 C	\$41.40	0.12 E	2.76	cf
1,418	2 GRC COUPLING	1.00	\$5.18 E	\$5.18	0.00 E	0.00	cf
2,809	2 BUSH PLASTIC	4.00	\$392.23 C	\$15.69	0.00 E	0.00	cf
5,532	2 LIQUIDTIGHT FLEX	6.00	\$548.00 C	\$32.88	20.00 C	1.20	cf
5,544	2 LIQUIDTIGHT FLEX	2.00	\$1,879.00 C	\$37.58	0.42 E	0.84	cf
44,099	1 HOUR LABOR (CORE D	2.00	\$80.00 E	\$160.00	1.00 E	2.00	cf
Totals for CCode				\$523.03		19.60	
Category: CCode = Hangers/Anchors							
3,647	1/4 X 1-1/4 RH STOVE B	50.00	\$10.00 C	\$5.00	8.00 C	4.00	ch
3,663	1/4 X 1-1/2" FENDER WA	50.00	\$6.98 C	\$3.49	0.00 X	0.00	ch
3,762	1/4-20 LEAD MACH SCR	40.00	\$84.08 C	\$33.63	15.00 C	6.00	ch
3,902	3/4 KINDORF-B907-10	20.00	\$120.00 C	\$24.00	6.28 C	1.26	ch
Totals for CCode				\$66.12		11.26	
Category: CCode = Straps							
1,303	2 EMT CHNL STRAP	20.00	\$183.37 C	\$36.67	4.00 C	0.80	cs
4,596	3/4 STL COND HGR W/	16.00	\$100.00 C	\$16.00	20.00 C	3.20	cs
Totals for CCode				\$52.67		4.00	
Category: CCode = Disc/Safety Switches							
10,407	200A GD 3 PH N1 NF S	1.00	\$235.00 E	\$235.00	7.00 E	7.00	sd
15,179	MTR SW 1P 1HP	2.00	\$20.00 E	\$40.00	60.00 C	1.20	sd
Totals for CCode				\$275.00		8.20	
Category: CCode = Lugs/Termination/Ground							
16,895	20A 1PH EQUIP H/U 250	2.00	\$0.00 X	\$0.00	1.00 E	2.00	sl
16,927	200A 3PH EQUIP H/U 480	1.00	\$0.00 X	\$0.00	3.00 E	3.00	sl
Totals for CCode				\$0.00		5.00	
Category: CCode = Switchgear/Meter							

Job Name: Est. # 16

8,459	175A MAIN CB 3P 250V	1.00	\$0.00	Q	\$0.00	1.80	E	1.80	ss
Totals for CCode					<u>\$0.00</u>			<u>1.80</u>	

Category: CCode = Branch Wire

41	12 THHN CU STRANDE	475.00	\$130.00	M	\$61.75	6.00	M	2.85	wb
Totals for CCode					<u>\$61.75</u>			<u>2.85</u>	

Category: CCode = Feeder Wire

44	6 THHN CU STRANDED	125.00	\$489.00	M	\$61.13	11.00	M	1.38	wf
50	2/0 THHN CU STRANDE	500.00	\$2,308.00	M	\$1,154.00	24.00	M	12.00	wf
Totals for CCode					<u>\$1,215.13</u>			<u>13.38</u>	

Totals:

					<u>\$2,281.54</u>			<u>72.88</u>	
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Report Totals:

Items+ByProducts

Ext Book Price	NECA 1 Ext
\$2,281.54	72.88

Steven Woodhead

From: Pepe, Ryan <Ryan.Pepe@cooper-electric.com>
Sent: Wednesday, August 19, 2015 8:38 AM
To: Steven Woodhead
Subject: Brick HS- Breaker Adder

Steve,

Price for breaker adder below. LH Frame at 65 k rated

LH36175- \$5,345/ EACH

Thank You,

Ryan Pepe
Cooper Electric
Cell: 973-945-0520
Email: Ryan.Pepe@Cooper-electric.com

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