

☒ OWNER ☐ FIELD
☒ ARCHITECT ☐ OTHER
☒ CONTRACTOR

PROJECT:
MSBA Accelerated Repair Program
Roof Replacement
Halifax Elementary School
464 Plymouth Street
Halifax, MA

CHANGE ORDER NUMBER: 1

DATE: 9/11/17 REV1

TO CONTRACTOR:
Capeway Roofing Systems, Inc.
664 Sanford Road
Westport, MA 02790

ARCHITECT'S PROJECT NO.: 1614.02

CONTRACT DATE: 6/21/17

CONTRACT FOR: General Construction

The Contract is changed as follows:


1. Work associated with changing the cladding on the four fake chimneys from EIFS to .040 flat seam aluminum at Wing C as shown in H&A Proposal Request 1. The cost shown on the Capeway PR#1 proposal dated 8/12/17 is a credit of **(\$1,481.00) – see attached.**
2. Work associated with changing the cladding on the four chimneys from patched and repaired stucco to .040 flat seam aluminum at Wing A&B as shown in Proposal Request 3. The cost shown on the Capeway PR#3 proposal dated 8/12/17 is **\$22,829.00 – see attached.**
3. Work associated with replacing the two louvers at the east and west chimneys at Wing C to storm proof louvers as shown in H&A Proposal Request 4. The cost shown on the Capeway PR#4 proposal dated 8/12/17 is **\$8,748.00 – see attached.**
4. Work associated with infilling one attic louver at the east end of kindergarten Wing B as shown in H&A Proposal Request 5. The cost shown on the Capeway PR#5 proposal dated 8/12/17 is **\$2,293.00 – see attached.**
5. Work associated with installing additional .040 aluminum fascia and soffit as shown in H&A Proposal Request 6. The cost shown on the Capeway PR#6 proposal dated 8/14/17 is **\$52,537.00 – see attached.**
6. Credit for leaving the existing rooftop units in place and not replacing the curbs per RFI #1 & 2. The cost shown on the Capeway Proposed Change Order No. 1 dated 7/21/17 is a credit of **(\$1,676.27) – see attached.**
7. Credit for leaving the existing rooftop units in place and not replacing the curbs per RFI #2. The cost shown on the Capeway Proposed Change Order No. 2 dated 7/21/17 is a credit of **(\$3,314.41) – see attached.**
8. Work associated with replacing the existing ductwork at the Reznor rooftop unit. The cost shown on the Capeway Proposed Change Order No. 3R dated 7/21/17 (including Capeway Roofing markup) is **\$14,935.22 – see attached.**

Total: \$94,870.54

Not Valid until signed by the Owner, Architect and Contractor

The original (Contract Sum) (Guaranteed Maximum Price) was.....	\$ 1,883,100.00
Net change by previously authorized Change Orders.....	\$ 0
The (Contract Sum) (Guaranteed Maximum Price) prior to this Change Order was.....	\$ 1,883,100
The (Contract Sum) (Guaranteed Maximum Price) will be (increased) by this Change Order in the amount of.....	\$ 94,870.54
The new (Contract Sum) (Guaranteed Maximum Price) including this Change Order will be.....	\$ 1,977,970.54
The Contract Time will be increased (decreased) (unchanged) by	(0) Days
*The date of Substantial Completion as of the date of this Change Order therefore is	August 18, 2017

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

ARCHITECT <u>Habeeb & Associates, Inc.</u> <u>150 Longwater Drive</u> <u>Norwell, MA 02061</u>	CONTRACTOR	OWNER
ADDRESS	ADDRESS	ADDRESS
By 	By	By
Date 9/11/17	Date	Date

Qty.	Unit	Line Items	Unit Cost	Total Cost
Cost Proposal				
		Cladding with flat seam .040 at 4 fake chimneys Wing C		
		<i>Materials Add</i>		
6 rolls		High Temp Ice and water shield	\$ 225.00	\$ 1,350.00
12 sheets		.040 Black Aluminum	\$ 95.00	\$ 1,140.00
20 sheets		.040 Bone white Aluminum	\$ 95.00	\$ 1,900.00
2 sheets		.040 Aluminum cleat	\$ 95.00	\$ 190.00
1 ea		Misc. fasteners and sealants	\$ 125.00	\$ 125.00
		<i>Materials Deduct</i>		\$ -
6 rls		Ice and water	\$ (225.00)	\$ (1,350.00)
24 shts		Plywood with furring	\$ (35.00)	\$ (840.00)
800 s.f		Mesh and EIFS	\$ (6.00)	\$ (4,800.00)
6 sheets		Metal cap	\$ (95.00)	\$ (570.00)
1 ea		Misc. fasteners and sealants	\$ (225.00)	\$ (225.00)
				\$ -
		<i>Total Material Cost</i>		\$ (3,080.00)
		<i>Labor Add</i>		
64 hrs		2 men x 1day per chimney prep and Ice and water	\$ 92.74	\$ 5,935.36
114 hrs		Hrs negotiated	\$ 112.79	\$ 12,858.06
		<i>Labor Deduct</i>		\$ -
64 hrs		2 men x 1day per chimney prep and plywood	\$ (92.74)	\$ (5,935.36)
96 hrs		2 men x 1.5 days to Install eifs per chimney	\$ (92.47)	\$ (8,877.12)
16 hrs		1 man painting x 2 days Paint 2 chimneys per day	\$ (92.47)	\$ (1,479.52)
8 hrs		2 men x1 day Install Caps	\$ (112.79)	\$ (902.32)
Roofer		(66.26/hr + 39.96% Burden = \$92.74/hr)		\$ -
S. Metal		(80.59/hr + 39.96% Burden = \$112.79/hr)		\$ -
				\$ -
		<i>Total Labor</i>		\$ 1,599.10
		<i>Total Labor and Materials</i>		\$ (1,480.90)
				\$ -
				\$ -
		Total DDT Cost		\$ (1,480.90)
		Total change order Deduct		\$ (1,481.00)

Qty.	Unit	Line Items	Unit Cost	Total Cost
Cost Proposal				
		Cladding with flat seam .040 at 4 fake chimneys Wing A&B		
		<i>Materials Add</i>		
24 sheets		3/4" Plywood Sheathing	\$ 75.00	\$ 1,800.00
6 rolls		High Temp Ice and water shield	\$ 225.00	\$ 1,350.00
12 sheets		.040 Black Aluminum	\$ 95.00	\$ 1,140.00
20 sheets		.040 Bone white Aluminum	\$ 95.00	\$ 1,900.00
2 sheets		.040 Aluminum cleat	\$ 95.00	\$ 190.00
1 ea		Misc. fasteners and sealants	\$ 125.00	\$ 125.00
		<i>Materials Deduct</i>		\$ -
1 ea		Minor Stucco repairs	\$ (750.00)	\$ (750.00)
1 ea		Painting of Stucco	\$ (250.00)	\$ (250.00)
				\$ -
				\$ -
				\$ -
				\$ -
		<i>Total Material Cost</i>		\$ 5,505.00
		<i>Labor Add</i>		
64 hrs		2 men x 1day per chimney plywood and Ice and water	\$ 92.74	\$ 5,935.36
114 hrs		Negotiated Hrs	\$ 112.79	\$ 12,858.06
		<i>Labor Deduct</i>		\$ -
32 hrs		2 men x 2 days to repair stucco	\$ (92.74)	\$ (2,967.68)
16 hrs		1 man painting x 2 days Paint 2 chimneys per day	\$ (92.47)	\$ (1,479.52)
Roofer		(66.26/hr + 39.96% Burden = \$92.74/hr)		\$ -
S. Metal		(80.59/hr + 39.96% Burden = \$112.79/hr)		\$ -
				\$ -
		<i>Total Labor</i>		\$ 14,346.22
		<i>Total Labor and Materials</i>		\$ 19,851.22
15%		<i>OH/P</i>		\$ 2,977.68
				\$ -
		Total Add Cost		\$ 22,828.90
		Total change order Add		\$ 22,829.00

Note: The top of the Chimneys with PVC and edge metal scope remains un changed

Capeway Roofing Systems, Inc.
Date: 8/12/17

Halifax ES
PR#4

Habeeb and Associates
Attention: Scott

Qty.	Unit	Line Items	Unit Cost	Total Cost
Cost Proposal				
		Replace existing Louvers at wing C east and west		
		<i>Materials Add</i>		
2 ea		Louvers EHH-401 per attached data sheets Bone White	\$ 2,300.00	\$ 4,600.00
2 ea		Misc trim and furring to accommodate standard size	\$ 125.00	\$ 250.00
1 ea		Sealants and fasteners	\$ 50.00	\$ 50.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
		<i>Total Material Cost</i>		\$ 4,900.00
		<i>Labor Add</i>		
24 hrs		2 men x 2 days to demo & install louvers	\$ 112.79	\$ 2,706.96
				\$ -
				\$ -
Roofer		(66.26/hr + 39.96% Burden = \$92.74/hr)		\$ -
S. Metal		(80.59/hr + 39.96% Burden = \$112.79/hr)		\$ -
				\$ -
		<i>Total Labor</i>		\$ 2,706.96
		<i>Total Labor and Materials</i>		\$ 7,606.96
15%		OH/P		\$ 1,141.04
				\$ -
		Total Add Cost		\$ 8,748.00
		Total change order Add		\$ 8,748.00

Capeway Roofing Systems, Inc.
Date: 8/12/17

Halifax ES
PR#5

Habeeb and Associates
Attention: Scott

Qty.	Unit	Line Items	Unit Cost	Total Cost
Cost Proposal				
		Infill Louver and add siding at Wing B		
		<i>Materials Add</i>		
1 ea		Wood studs, plywood & VB	\$ 50.00	\$ 50.00
100 s.f		Clapboard siding	\$ 2.25	\$ 225.00
1 ea		Misc Paint, sealants & fasteners	\$ 50.00	\$ 50.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
		<i>Total Material Cost</i>		\$ 325.00
		<i>Labor Add</i>		
18 hrs		Negotiated Hrs	\$ 92.74	\$ 1,669.32
				\$ -
				\$ -
Roofer		(66.26/hr + 39.96% Burden = \$92.74/hr)		\$ -
S. Metal		(80.59/hr + 39.96% Burden = \$112.79/hr)		\$ -
				\$ -
		<i>Total Labor</i>		\$ 1,669.32
		<i>Total Labor and Materials</i>		\$ 1,994.32
15%		OH/P		\$ 299.15
				\$ -
		Total Add Cost		\$ 2,293.47
		Total change order Add		\$ 2,293.00

Habeeb and Associates
Attention: Scott

Qty.	Unit	Line Items	Unit Cost	Total Cost
Cost Proposal				
Additional Fascia Flashing and soffit panels(2,535 lf fascia and 2115 lf soffit)				
<i>Materials Add</i>				
100 sheets	.040 Aluminum Bone white	\$	95.00	\$ 9,500.00
2115 l.f.	Soffit panels with J Channels	\$	4.00	\$ 8,460.00
1 ea	Misc. fasteners and sealants	\$	350.00	\$ 350.00
2 ea	Additional boom lifts	\$	2,800.00	\$ 5,600.00
		\$	125.00	\$ -
<i>Materials Deduct</i>				
1700 lf	Soffit PVC Trim	\$	(2.50)	\$ (4,250.00)
1 ea	Misc. fasteners and sealants	\$	(225.00)	\$ (225.00)
				\$ -
<i>Total Material Cost</i>				\$ 19,435.00
<i>Labor Add</i>				
134 hrs	Negotiated Hrs	\$	112.79	\$ 15,113.86
150 hrs	Negotiated Hrs	\$	112.79	\$ 16,918.50
48 hrs	Shop fabricate All trim 2 men x 3 days	\$	65.00	\$ 3,120.00
<i>Labor Deduct</i>				
96 hrs	Soffit PVC trim 2 men x 6 days	\$	(92.74)	\$ (8,903.04)
				\$ -
				\$ -
				\$ -
Roofer	(66.26/hr + 39.96% Burden = \$92.74/hr)			\$ -
S. Metal	(80.59/hr + 39.96% Burden = \$112.79/hr)			\$ -
				\$ -
<i>Total Labor</i>				\$ 26,249.32
<i>Total Labor and Materials</i>				\$ 45,684.32
				\$ -
15.00%				\$ 6,852.65
Total Add Cost				\$ 52,536.97
Total change order Add				\$ 52,537.00

G&H Heating and Cooling, LLC.**PROPOSED
CHANGE ORDER**133 County Rd.
East Freetown, MA 02717Phone: 508-763-8563
Fax: 508-763-5568**No. 1****TITLE:** Proposed Change Order**DATE:** 07/21/2017**PROJECT:** Halifax Roof Replacement
Halifax Elementary School Roof Replacement**JOB:** 515066**TO:** Attn: Mark Calheta
Capeway Roofing Systems, Inc.
664 Sanford Rd
Westport, MA 02790
Phone: 508-674-0800 Fax: 508-674-2670**SUBMITTED:****COMPLETED:****REQUIRED:****DESCRIPTION**

This PCO #1 is a proposed credit for LEAVING THE EXISTING CURBS for the roof top units (QTY. Of 3) in place according to G&H RFI #2.

The credit would be for 2 HVAC mechanics, 8 hours each. It includes 1/2 day to remove the curbs and another 1/2 day to place the curbs back in the original location for the roofers to complete their work.

Num	Item	Description	Ref	Qty	Unit	Unit Price	Amount
1	Labor	Labor Credit (2 mechanics, 8hrs ea.)		-16.000	Hrs	80.59	-1,289.44
2		30% labor burden		-1.000		386.83	-386.83
Item Total:							(\$1,676.27)
Total:							\$0.00
Total:							(\$1,676.27)

APPROVAL**By:**
Gary R. Carrier II**Date:** 07/21/2017**By:** _____**Date:** _____

G&H Heating and Cooling, LLC.**PROPOSED
CHANGE ORDER**133 County Rd.
East Freetown, MA 02717Phone: 508-763-8563
Fax: 508-763-5568**No. 2****TITLE:** Proposed Change Order**DATE:** 07/21/2017**PROJECT:** Halifax Roof Replacement
Halifax Elementary School Roof Replacement**JOB:** 515066**TO:** Attn: Mark Calheta
Capeway Roofing Systems, Inc.
664 Sanford Rd
Westport, MA 02790
Phone: 508-674-0800 Fax: 508-674-2670**SUBMITTED:****COMPLETED:****REQUIRED:****DESCRIPTION**

This proposed change order #2 is to leave the EXISTING ROOFTOP UNITS in place in accordance with G&H RFI #2. The HVAC scope calls for them to be removed but we feel as though it wouldn't be necessary and the existing conditions will meet the proper clearances.

The credit would include 2 HVAC mechanics, 12 hours each. 1/2 day to remove the RTU's and 1 day to re-install.

If the RTU's remain in place, the library would have air conditioning throughout the roof construction project.

Num	Item	Description	Ref	Qty	Unit	Unit Price	Amount
1	Crane	Crane services		-1.000		800.00	-800.00
2	Labor	Labor		-24.000		80.59	-1,934.16
3		30% labor burden		-1.000		580.25	-580.25
Item Total:							(\$3,314.41)
Total:							\$0.00
Total:							(\$3,314.41)

APPROVAL**By:** 
Gary R. Carrier II**Date:** 07/21/2017**By:** _____**Date:** _____

G&H Heating and Cooling, LLC.

PROPOSED CHANGE ORDER

133 County Rd.
East Freetown, MA 02717

Phone: 508-763-8563
Fax: 508-763-5568

No. 3R

TITLE: Proposed Change Order **DATE:** 07/21/2017

PROJECT: Halifax Roof Replacement
Halifax Elementary School Roof Replacement **JOB:** 515066

TO: Attn: Mark Calheta
Capeway Roofing Systems, Inc.
664 Sanford Rd
Westport, MA 02790
Phone: 508-674-0800 Fax: 508-674-2670

STARTED:
COMPLETED:
REQUIRED:

DESCRIPTION

This Proposed change order is to replace the existing duct on the Reznor make up air unit (rooftop unit) Which has been patched with plywood, caulking, etc. And the exterior duct insulation is significantly deteriorated. The lack of proper insulation causes a tremendous waste of efficiency with the system.

7-24-17 ***The insulation work includes: 2" poly-Iso rigid board on the exterior ductwork, glue, weld pins, venture clad exterior duct weatherproofing and the labor to install.

7-24-17 ***Top of duct insulation will be pitched to shed rain/snow.***

***The ductwork is 3 days for 2 ductwork mechanics, 1 day demo and remove the duct and field measure. 2 days to install the new ductwork and support legs as required to support the duct for snow load, etc.

Num	Item	Description	Ref	Qty	Unit	Unit Price	Amount
1	Ductwork	ductwork to replace/match the existing		1.000		1,640.00	1,640.00
2	Insulation	2" board with weather proof venture clad finish		1.000		1,861.60	1,861.60
3	insul. Labor	Insulation and weatherproofing labor (includes 30% labor Burden)		32.000	Hrs	94.95	3,038.40
4	Labor	Duct demo and re-install of new duct		48.000	Hrs	80.59	3,868.32
5	Labor Burden	Labor Burden @ 30% (SS, WC, etc)		1.000		1,160.40	1,160.40
6	Crane	Crane Services		1.000		800.00	800.00
7	P&O	Profit & Overhead @ 15%		1.000		1,855.30	1,855.30

Item Total: \$14,224.02

G&H Heating and Cooling, LLC.

133 County Rd.
East Freetown, MA 02717

Phone: 508-763-8563
Fax: 508-763-5568

PROPOSED CHANGE ORDER

No. 3R

TITLE: Proposed Change Order

DATE: 07/21/2017

PROJECT: Halifax Roof Replacement
Halifax Elementary School Roof Replacement

JOB: 515066

TO: Attn: Mark Calheta
Capeway Roofing Systems, Inc.
664 Sanford Rd
Westport, MA 02790
Phone: 508-674-0800 Fax: 508-674-2670

STARTED:

COMPLETED:

REQUIRED:

Total: \$0.00

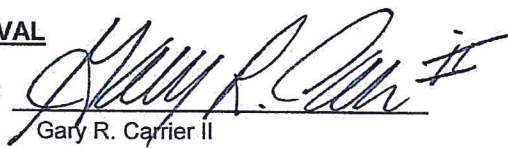
Total: \$14,224.02

Capeway Mark up 5% \$ 711.20

Total \$ 14,935.22

APPROVAL

By:


Gary R. Carrier II

Date: 07/21/2017

By:

Date: