

Sept 19th 2017

# HANNA'S

MECHANICAL CONTRACTORS INC.

Phone: (732) 249-4911

[www.HannasServices.com](http://www.HannasServices.com)  
44 N. Main Street, Milltown NJ 08850

Fax: (732) 249-6911

Franklin Elementary School  
1550 Lindy Terrace  
Union, NJ 07083

8-25-17

ATTN: VMG Group / Mike Bojecv  
RE: Mechanical Change Order

Mechanical & Electrical Scope of Work:

This Plumbing Change Order has been drafted by request to satisfy proper documentation and compensation to Hanna's Mechanical Contractors Inc. for the mechanical and electrical work needed to bring the current condition of (27) existing condenser units to safe and proper function.

The scope of work will consist of changing out the existing electrical conduit above the roof deck with new EMT with rain tight fittings and liquid metal conduit for a maximum of 6' at (27) existing condenser units. Disconnecting and replacement of disconnect switches and connectors at (27) existing condenser units. Disconnect above roof deck liquid and suction refrigerant lines and replacing with new liquid and suction refrigerant lines with new 1 1/2" Armorflex insulation UV rated. All work is to be done above roof deck to facilitate the new roof installation.

The following material and labor breakdown reflects the work needed to satisfy all (27) existing condenser units.

LABOR & MATERIAL COST BREAKDOWN

Replacement of Disconnect Switches and Connectors @ (27) Existing Condenser Units

Labor Breakdown	(1) Electrician @ \$86.01 per hour for (14) hours	\$1,204.14
Material Breakdown	Disconnect Switches and connectors for (27) units	\$2,430.00
Profit & Overhead @ 10%	--	\$363.41
<b>Total Cost</b>		<b>\$3,997.00</b>

# HANNA'S

MECHANICAL CONTRACTORS INC.

Phone: (732) 249-4911

[www.HannasServices.com](http://www.HannasServices.com)  
44 N. Main Street, Milltown NJ 08850

Fax: (732) 249-6911

---

Replacement of Electrical Conduit @ (27) Existing Condenser Units

Labor Breakdown	(1) Electrician @ \$86.01 per hour for (40) hours	\$3,440.40
Material Breakdown	EMT Conduit w/ rain tight connectors	\$2,565.00
Profit & Overhead @ 10%	--	\$600.54
<b>Total Cost</b>		<b>\$6,606.00</b>

Replacement of Refrigerant Lines & Insulation @ (27) Existing Condenser Units

Labor Breakdown	(1) HVAC Technician @ \$60.39 per hour for (40) hours	\$2,415.60
Material Breakdown	Ref. lines, site glass, nitrogen, brazing rods, torch, insulation	\$9,450.00
Profit & Overhead @ 10%	--	\$1,186.56
<b>Total Cost</b>		<b>\$13,052.00</b>

**Total Change Order Cost** **\$23,655.00**



# VMG GROUP

288 Cox Street Roselle, NJ 07203

Tel:908-298-1130\*Fax:908-298-1133\*e-mail:vmg@vmgroupinc.com

## CO Request

Owner: Union BOE  
Architect: PSA  
Attn: Hae-An Chyun  
Re: work needed to staisfy all 27  
existing condenser units

DATE 8/25/2017  
CO# 1C  
Job Name: franklin es  
roof replacement

Proposal valid until: 9/24/2017

Please see below the cost to perform replacement of refrigerant lines & insulation at 27  
existing condenser units

DESCRIPTION	QUANT.	UNIT	UNIT PRICE	AMOUNT
subcontractor's cost	1	ls	\$ 13,052.00	\$ 13,052.00
				\$ -
				\$ -
				\$ -
SUBTOTAL				\$ 13,052.00
O&F 5%				\$ 652.60
TOTAL				\$ 13,704.60

Signed: Vane Bojcev

Accepted By:

24,837.45



# VMG GROUP

288 Cox Street Roselle, NJ 07203

Tel:908-298-1190\*Fax:908-298-1133\*e-mail:vmg@vmggroupinc.com

## CO Request

Owner: Union BOE  
Architect: PSA  
Attn: Hae-An Chyun  
Re: work needed to staisfy all 27

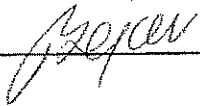
DATE 8/25/2017  
CO# 1A  
Job Name: franklin es  
roof replacement

Proposal valid until: 9/24/2017

Please see below the cost to perform replacement of disconnect switches & connectors at 27 existing condenser units

DESCRIPTION	QUANT.	UNIT	UNIT PRICE	AMOUNT
subcontractor's cost	1	is	\$ 3,997.00	\$ 3,997.00
				\$ -
				\$ -
				\$ -
			SUBTOTAL	\$ 3,997.00
			O&F 5%	\$ 199.85
			TOTAL	\$ 4,196.85

Signed: Vane Bojcev

  
\_\_\_\_\_

Accepted By:

\_\_\_\_\_



# VMG GROUP

288 Cox Street Roselle, NJ 07203

Tel:908-298-1130\*Fax:908-298-1133\*e-mail:vmg@vmggroupinc.com

## CO Request

Owner: Union BOE  
Architect: PSA  
Attn: Hae-An Chyun  
Re: work needed to staisfy all 27

DATE 8/25/2017  
CO# 1B  
Job Name: franklin es  
roof replacement

Proposal valid until: 9/24/2017

Please see below the cost to perform replacement of electrical conduit at 27 condenser units

DESCRIPTION	QUANT.	UNIT	UNIT PRICE	AMOUNT
subcontractor's cost	1	ls	\$ 6,606.00	\$ 6,606.00
				\$ -
				\$ -
				\$ -
				\$ -
			SUBTOTAL	\$ 6,606.00
			O&F 5%	\$ 330.30
			TOTAL	\$ 6,936.30

Signed: Vane Bojcev

Accepted By: