

Work Order Signature Document

EZIQC Contract No.: RH-23-034 Region 6 - GC - Allied Building Service

New Work Order **Modify an Existing Work Order**

Work Order Number: 137832.00 Work Order Date: 01/30/2025

Work Order Title: Livonia Schools Career Tech Center Dust Collection System

Owner Name: Livonia Public Shools - 8371 Contractor Name: Allied Building Service Company of Detroit Inc

Contact: Carl Roberts Contact: Matthew Guyot

Phone: 7347442514 Phone: 313-550-0772

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of EZIQC Contract No RH-23-034 Region 6 - GC - Allied Building Service.

Brief Work Order Description:

Add dust collection system to Construction Trades classroom. Work will include equipment drops and general drops, outside dust bin, motor and vacuum, all electrical connections. No electrical service upgrades are required.

Time of Performance

Liquidated Damages Will apply: Will not apply:

Work Order Firm Fixed Price: \$108,545.51

Owner Purchase Order Number:

Approvals

Owner Date

Contractor Date

Detailed Scope of Work

To: Matthew Guyot
Allied Building Service Company of Detroit Inc
1801 Howard St.
Detroit, MI 48216
313-550-0772

From: Carl Roberts
Livonia Public Shools
15125 Farmington Rd
Livonia, MI 48154
7347442514

Date Printed: January 30, 2025

Work Order Number: 137832.00

Work Order Title: Livonia Schools Career Tech Center Dust Collection System

Brief Scope: Add dust collection system to Construction Trades classroom. Work will include equipment drops and general drops, outside dust bin, motor and vacuum, all electrical connections. No electrical service upgrades are required.

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Livonia Public Schools - Livonia Career Technical Center

Mechanical Scope of Work:

- Provide and install one (1) new Maxi-Vibe Baghouse Wood Dust Collector.
- Total airflow required : 5,000 - 5,400 CFM.
- External static pressure required : 6 - 7 " ESP.
- Blower is 15 HP, 3- Phase.
- Unit selection: Maxivibe Model AMV- 700 with 15 HP Motor, explosion vent, and weather hood.
- Provide and install all ductwork from collector inlet, back into building to pick up seven (7) woodworking machines and three (3) floor Sweeps.
- Provide wall opening and wall sealants.

Electrical Scope of Work:

- Install 3/4" EMT raceway through the ceiling trusses or on the exterior masonry wall from the 480V panel to the south wall adjacent to the location for the new dust collector.
- Install a 3-phase definite purpose contact inside a NEMA 1 enclosure.
- Install 1/2" raceway to control switch with maintained "on" and "off".
- Continue 3/4" EMT raceway to a NEMA 3R non-fused disconnect mounted outside within side of the dust collector.
- Connect with 10 AWG copper THHN from the 480V panel to dust collector.
- Provide new 40A thee pole I-Line breaker.

Detailed Scope of Work Continues..

Work Order Number: 137832.00

Work Order Title: Livonia Schools Career Tech Center Dust Collection System

Contractor

Date

Owner

Date

Contractor's Price Proposal - Summary

Date: January 30, 2025

Re: IQC Master Contract #: RH-23-034 Region 6 - GC - Allied Building Service
Work Order #: 137832.00
Owner PO #:
Title: Livonia Schools Career Tech Center Dust Collection System
Contractor: Allied Building Service Company of Detroit Inc
Proposal Value: \$108,545.51

No Category Input **\$108,545.51**

Proposal Total **\$108,545.51**

The Percentage of NPP on this Proposal: **89.03%**

Contractor's Price Proposal - Detail

Date: January 30, 2025

Re: IQC Master Contract #: RH-23-034 Region 6 - GC - Allied Building Service
 Work Order #: 137832.00
 Owner PO #:
 Title: Livonia Schools Career Tech Center Dust Collection System
 Contractor: Allied Building Service Company of Detroit Inc
 Proposal Value: \$108,545.51

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		

No Category Input

1	01 22 16 00 0002	EA		Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	\$500.00		
			Installation	Quantity 500.00 x	Unit Price 1.00 x	Factor 1.0000 =	Total 500.00
				Permit Fees			
2	01 22 23 00 0055	DAY		20' Electric, Scissor Platform Lift	\$843.21		
			Installation	Quantity 3.00 x	Unit Price 192.58 x	Factor 1.4595 =	Total 843.21
				Scissor Lift for electrical install			
3	01 66 19 00 0002	CY		Transfer Delivered Material Between Floors Via Stairs, Per Floor equals volume of materials multiplied by number of floors traveled.	\$93.55		
			Installation	Quantity 5.00 x	Unit Price 12.82 x	Factor 1.4595 =	Total 93.55
				Transferring Material to Mezzanine Level for Electrical work			
4	01 66 19 00 0005	CY		Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	\$75.89		
			Installation	Quantity 10.00 x	Unit Price 5.20 x	Factor 1.4595 =	Total 75.89
				Cart Trips for Electrical Work			
5	01 71 13 00 0002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	\$520.81		
			Installation	Quantity 1.00 x	Unit Price 356.84 x	Factor 1.4595 =	Total 520.81
				Delivery of Scissor Lift			
6	02 41 19 13 0367	EA		Core Drill Minimum Charge For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	\$1,087.09		
			Installation	Quantity 1.00 x	Unit Price 744.84 x	Factor 1.4595 =	Total 1,087.09
				Core New Penetrations for power feeds			
7	05 05 19 00 0204	EA		1/4" x 2-1/4" Tapcon Masonry Screw	\$696.91		
			Installation	Quantity 50.00 x	Unit Price 9.55 x	Factor 1.4595 =	Total 696.91
				Tapcons for Conduit straps			

Contractor's Price Proposal - Detail Continues..

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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
No Category Input					
8	05 05 19 00 0204	0221	MOD	For >10 To 50, Deduct	-\$32.11
				Installation	
				Quantity	
				50.00 x	
				Unit Price	
				-0.44 x	
				Factor	
				1.4595 =	
				Total	-32.11
9	07 84 13 19 0003		EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	\$32.12
				Installation	
				Quantity	
				1.00 x	
				Unit Price	
				22.01 x	
				Factor	
				1.4595 =	
				Total	32.12
				Seal Penetration for new power run	
10	23 00 00 00 0012			Maxivibe AMV-700 Tech Center	\$96,634.28
				Installation	
				Quantity	
				1.00 x	
				Unit Price	
				75,750.00 x	
				Factor	
				1.2757 =	
				Total	96,634.28
				Dust Collector Equipment	
11	26 01 20 91 0003		EA	Lock Out/Tag Out Breaker Or Motor StarterExcludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	\$51.78
				Installation	
				Quantity	
				1.00 x	
				Unit Price	
				35.48 x	
				Factor	
				1.4595 =	
				Total	51.78
				Lock Out new Circuit	
12	26 05 29 00 0191		EA	3/4", Two Hole Steel Conduit Strap	\$160.55
				Installation	
				Quantity	
				25.00 x	
				Unit Price	
				4.40 x	
				Factor	
				1.4595 =	
				Total	160.55
				Conduit Hanger/Strap	
13	26 05 29 00 0229		EA	3/4", Conduit Hanger From Flange, Wire Or Rod	\$92.53
				Installation	
				Quantity	
				20.00 x	
				Unit Price	
				3.17 x	
				Factor	
				1.4595 =	
				Total	92.53
				Conduit Hanger/Strap	
14	26 05 29 00 0342		EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	\$213.82
				Installation	
				Quantity	
				50.00 x	
				Unit Price	
				2.93 x	
				Factor	
				1.4595 =	
				Total	213.82
				Conduit Hanger/Strap	
15	26 05 29 00 0375		LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	\$309.41
				Installation	
				Quantity	
				50.00 x	
				Unit Price	
				4.24 x	
				Factor	
				1.4595 =	
				Total	309.41
				Conduit Hanger/Strap	
16	26 05 29 00 0375	0125	MOD	For Zinc Coated, Add	\$62.76
				Installation	
				Quantity	
				50.00 x	
				Unit Price	
				0.86 x	
				Factor	
				1.4595 =	
				Total	62.76
17	26 05 29 00 0391		EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	\$52.54
				Installation	
				Quantity	
				50.00 x	
				Unit Price	
				0.72 x	
				Factor	
				1.4595 =	
				Total	52.54
				Conduit Hanger/Strap	
18	26 05 29 00 0430		EA	3/8" Rod Size, C-Clamp Style Beam Clamp	\$483.39
				Installation	
				Quantity	
				20.00 x	
				Unit Price	
				16.56 x	
				Factor	
				1.4595 =	
				Total	483.39
				Conduit Hanger/Strap	

Contractor's Price Proposal - Detail Continues..

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Sect.	Item	Modifier	UOM	Description	Line Total				
Labor	Equip.	Material	(Excluded if marked with an X)						
No Category Input									
19	26 05 33 13 0028		CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding ConductorIncludes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	\$3,791.49				
				Quantity	Unit Price	Factor	=	Total	
			Installation	2.00	x	1,298.90	x	1.4595	3,791.49
				Rework existing electrical to feed new dust collector.					
20	26 05 83 00 0152		EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	\$235.08				
				Quantity	Unit Price	Factor	=	Total	
			Installation	1.00	x	161.07	x	1.4595	235.08
				Connection and Testing					
21	26 28 16 13 0033		EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	\$350.60				
				Quantity	Unit Price	Factor	=	Total	
			Installation	1.00	x	240.22	x	1.4595	350.60
				New Breaker					
22	26 28 16 13 0033 0418		MOD	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	\$34.44				
				Quantity	Unit Price	Factor	=	Total	
			Installation	1.00	x	23.60	x	1.4595	34.44
				Adding new breaker to existing panel					
23	26 28 16 16 0189		EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	\$1,248.87				
				Quantity	Unit Price	Factor	=	Total	
			Installation	1.00	x	855.68	x	1.4595	1,248.86
				Nema 3R Disconnect					
24	26 29 13 13 0051		EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	\$1,006.49				
				Quantity	Unit Price	Factor	=	Total	
			Installation	1.00	x	689.61	x	1.4595	1,006.49
				Motor Starter - On/Off Control w/definite purpose contactor.					

Subtotal for No Category Input **\$108,545.51**

Proposal Total **\$108,545.51**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: **89.03%**



ECOLO-TECH. INCORPORATED

www.ecolo-techinc.com

1743 East Ten Mile Road
Madison Heights, MI 48071

Bus: 248/541-1100
Fax: 248/541-2577

QUOTATION
#114

January 30, 2025

Allied Building Service
1801 Howard Street
Detroit, MI 48216

Bus: 313/230-0800

Ref: Livonia School Project

Attn: Tyler Verrier Cell: 313/654-2258
Email: tverrier@teamallied.com

We are pleased to offer the following for your consideration:

Job #1 – New Collector with all New Ductwork

1. Ecolo-Tech to provide and install one (1) new Maxi-Vibe Baghouse Wood Dust Collector.

Total airflow required: 5000-5400 cfm
External static pressure required: 6-7"esp
Blower is 15 HP, 3 phase

Unit selection:

Maxivibe Model AMV-700 with 15HP motor, explosion vent, and weather hood

2. Ecolo-Tech to provide and install all Ductwork from Collector Inlet, back into building to pick up seven (7) woodworking machines and three (3) floor sweeps.
3. Ecolo-Tech to provide wall opening and wall sealants.
4. Customer to provide cement pad, if required.
5. Any permits, if required, are **NOT** included.
6. Any electrical connections or components, if required, are **NOT** included.

- 7. Any plumbing, if required, is **NOT** included.
- 8. Ecolo-Tech to provide Man Lift and Crane.

Delivery.....	12-14 Weeks
Cost.....	\$75,750.00 + Freight
Payment Terms.....	40% Due w/P.O., Balance Due Net 30 Days
*** Quote Pricing is Good for 30 Days***	

**NOTE: This quote is based on Straight Time Monday thru Friday.
If weekend work is required, it can be done at an additional cost.**

Thank you for the opportunity to quote you needs. If you should require additional information or have any questions, please do not hesitate to contact me @ (248) 541-1100 or (248) 790-2841. I look forward to doing business with you in the near future.

Roy Costello
Sales Representative
ecolotechinc@yahoo.com