


# Memorandum

**To:** ISD 709 School Board  
Mr. Douglas Hasler, CFO

**From:** Dave Spooner   
Manager of Facilities

**Date:** January 3, 2018

**Re:** Change Order #1 – General Construction Change Orders as Per Attached - Krause Anderson Construction Company / NJPA -Gordian ezIQC Contract for Rockridge School

An Agreement with Krause Anderson Construction Company to perform work as defined by plans and specifications create by Architectural Resources, Inc, procured through Gordian ezIQC, pursuant to terms and conditions of NJPA EZIQC Contract No MN02IR-042517-KRU, to renovate Rockridge School as per defined District needs and compliant with budget criteria was approved at the regular 2017 September School Board meeting. This agreement had a contract sum for the work defined in the AIA documents and Gordian ezIQC proposal of **\$2,470,766.98**.

To provide further clarification, this specific project to renovate Rockridge has a total budget of \$3,000,000. This amount includes any and all contracts, change orders, soft costs, permits, testing, fees, and any and all construction materials and labor.

Today I am bringing forth Change Order #1, in the amount of **\$77,745.77**, for your approval. This defined work in this change order has been done and is complete. The items, tasks, or work contained in this change order was expected and budget compliant. As stated above, the cost of this subsequent work in Change Order #1 is based on NJPA contract pricing, which has been previously bid and is available for all MN NJPA participants. With this change order, the new amount of the construction contract with Krause Anderson Construction Company is **\$2,548,512.45**.

In summary, all tasks or work done in Change Order #1 have been previously bid, and all costs associated

with this Change Order have been reviewed by Gordian eziQC, and fully comply with NJPA task criteria. In addition, ARI, KA, and the owner have reviewed all costs and agree they are reasonable and appropriate for the work performed.

Authorizing me as your “Clerk of the Works” for construction projects, to grant approvals to proceed with these types of time sensitive changes is considered a standard practice. The alternative requires frequent, at least weekly, and in some cases daily, special meetings of the School Board to consider all issues that are encountered in the construction process that may result in additional cost or other changes to the School Boards previously approved construction contracts.

**Recommendation:**

I am recommending that the School Board approve Change Order #1 – Krause Anderson Construction Company / NJPA – Gordian eziQC, in the amount of **\$77,745.77**, for a new construction contract amount of **\$2,548,512.45**.

Attachments





# AIA® Document G701™ – 2017

## Change Order

**PROJECT:** *(Name and address)*  
Rockridge Elementary School Renovation  
4849 Ivanhoe Street, Duluth, MN 55804

**CONTRACT INFORMATION:**  
Contract For: Renovation  
Date: 09/08/2017

**CHANGE ORDER INFORMATION:**  
Change Order Number: 001  
Date: 12/20/2017

**OWNER:** *(Name and address)*  
Duluth Public Schools, ISD 709  
215 North First Avenue East  
Duluth, MN 55802

**ARCHITECT:** *(Name and address)*  
Architectural Resources, Inc.  
126 East Superior Street  
Duluth, MN 55802

**CONTRACTOR:** *(Name and address)*  
Kraus-Anderson Construction Company  
3716 Oneota Street  
Duluth, MN 55807

**THE CONTRACT IS CHANGED AS FOLLOWS:**

*(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)*

Please see attached documents:

- Exhibit A: COR Detail List dated 12/19/17
- Exhibit B: Gordian Work Order dated 12/20/17

The original Contract Sum was	\$	2,470,766.98
The net change by previously authorized Change Orders	\$	0.00
The Contract Sum prior to this Change Order was	\$	2,470,766.98
The Contract Sum will be increased by this Change Order in the amount of	\$	77,745.47
The new Contract Sum including this Change Order will be	\$	2,548,512.45

The Contract Time will be increased by Zero (0) days.

The new date of Substantial Completion will be December 22, 2017

**NOTE:** This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

**NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.**

Architectural Resources, Inc.

ARCHITECT *(Firm name)*

SIGNATURE

RYAN ERSPANDER - PRINCIPAL

PRINTED NAME AND TITLE

DATE

1-3-2018

Kraus-Anderson Construction Company

CONTRACTOR *(Firm name)*

SIGNATURE

JEFF HISAKA - VP, DOO

PRINTED NAME AND TITLE

DATE

12-21-17

Duluth Public Schools, ISD 709

OWNER *(Firm name)*

SIGNATURE

PRINTED NAME AND TITLE

DATE



**Project: Rockridge School Renovation (1722008-)  
Owner Change Order Request Log**

COR	Reference	Description
1.00	RFI 01	PCO 02 RFI 01: Toilet 138 Sink Height
2.00	ASI 01	PCO 03 ASI 01 Frame Type F-11
3.00	PR 01	PCO 04 PR 01: Fencing Change
4.00	RFI 02	PCO 05 RFI 02: Exposed Ductwork Return
<del>5.00</del>	<del>Revision #2-16-16-17-Draw</del>	<del>PCO 06 Revised Plans: Revision #2-16-16-17</del>
6.00	RFI 03	PCO 07 RFI 03: Door 128 Frames
7.00	PR 02	PCO 08 PR 02: Remodel Plan Area 'B'
8.00	RFI 04	PCO 09 RFI 04: Kitchen Hood Wall
9.00	RFI 06 PR 03	PCO 10 RFI 06 PR 03: Door 199
10.00	RFI 07	PCO 11 RFI 07: Room 149 and 158 Plumbing Fixtures
11.00	PR 04	PCO 12 PR 04: Boiler Room Insulation & Other Abatement Areas
12.00		PCO 13 Paging System Alteration
13.00	PR 05	PCO 14 PR 05: Chase around Plumbing in Room 119 Library
14.00	PR 06	PCO 15 PR 06: Finishing wall at Removed Display Case
15.00	RFI 10	PCO 16 RFI 10: Locker Latch Change & Locker Upgrade
16.00		PCO 17 Roof Patching for Mech/Elec Penetrations
17.00		PCO 18 Deduct for Permitting Fees Paid by School District
18.00	PR 07	PCO 19 Emergency Exit Lights
19.00	ASI 02	PCO 20 ASI 02: Leg of Fence Location
20.10		PCO 21 Additional HVAC to Office Areas

**To be included in next Change Order**

**Total for project 1722008-**

**Work Order Signature Document**

NJPA EZIQC Contract No.: MN02IR-042517-KRU

New Work Order

Modify an Existing Work Order

Work Order Number: 050068.01

Work Order Date: 12/20/2017

Owner PO No:

Work Order Title: Duluth Public Schools Rockridge School Renovation Supplemental 1

Owner Name: Duluth Public Schools

Contractor Name: Kraus-Anderson Construction Company

Contact: David Spooner

Contact: Chad Rettke

Phone: 218-336-8700

Phone: 763-792-3670

**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 NJPA EZIQC Contract No MN02IR-042517-KRU.

Brief Work Order Description:

Duluth Rockridge School Renovation Supplemental 1

**Time of Performance**      *See Schedule Section of the Detailed Scope of Work*

**Duration**

**Liquidated Damages**

Will apply:

Will not apply:

**Work Order Firm Fixed Price: \$77,745.47**

Owner Purchase Order Number:

**Approvals**

Owner

Date

Contractor

Date

*Jeff Swahn*      12-21-17

## Detailed Scope of Work

**To:** Chad Rettke  
 Kraus-Anderson Construction Company  
 8625 Rendova Street NE  
 Circle Pines, MN 55014  
 763-792-3670

**From:** David Spooner  
 Duluth Public Schools  
 215 N. 1st Ave E  
 Duluth, MN 55802  
 218-336-8700

**Date Printed:** December 20, 2017

**Work Order Number:** 050068.01

**Owner PO No:**

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

**Brief Scope:** Duluth Rockridge School Renovation Supplemental 1

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.

Project: Rockridge School Renovation (1722008-)

Owner Change Order Request Log

**COR Reference Description**

- 1.00 RFI 01 PCO 02 RFI 01: Toilet 138 Sink Height
- 2.00 ASI 01 PCO 03 ASI 01 Frame Type F-11
- 3.00 PR 01 PCO 04 PR 01: Fencing Change
- 4.00 RFI 02 PCO 05 RFI 02: Exposed Ductwork Return
- 5.00 To be included in next Change Order
- 6.00 RFI 03 PCO 07 RFI 03: Door 128 Frames
- 7.00 PR 02 PCO 08 PR 02: Remodel Plan Area 'B'
- 8.00 RFI 04 PCO 09 RFI 04: Kitchen Hood Wall
- 9.00 RFI 06 PR 03 PCO 10 RFI 06 PR 03: Door 199
- 10.00 RFI 07 PCO 11 RFI 07: Room 149 and 158 Plumbing Fixtures
- 11.00 PR 04 PCO 12 PR 04: Boiler Room Insulation & Other Abatement Areas
- 12.00 PCO 13 Paging System Alteration
- 13.00 PR 05 PCO 14 PR 05: Chase around Plumbing in Room 119 Library
- 14.00 PR 06 PCO 15 PR 06: Finishing wall at Removed Display Case
- 15.00 RFI 10 PCO 16 RFI 10: Locker Latch Change & Locker Upgrade
- 16.00 PCO 17 Roof Patching for Mech/Elec Penetrations
- 17.00 PCO 18 Deduct for Permitting Fees Paid by School District
- 18.00 PR 07 PCO 19 Emergency Exit Lights
- 19.00 ASI 02 PCO 20 ASI 02: Leg of Fence Location
- 20.00 PCO 21 Additional HVAC to Office Areas

Detailed Scope of Work Continues..

Work Order Number: 050068.01

Work Order Title: Duluth Public Schools Rockridge School Renovation Supplemental 1

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Contractor

12-21-17  
Date

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Owner

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Date

## Contractor's Price Proposal - Summary

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Date: December 20, 2017

Re: IQC Master Contract #: MN02IR-042517-KRU  
Work Order #: 050068.01  
Owner PO #:  
Title: Duluth Public Schools Rockridge School Renovation Supplemental 1  
Contractor: Kraus-Anderson Construction Company  
Proposal Value: \$77,745.47

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COR 00	-18,810.57
COR 01	\$1,454.47
COR 02	\$591.50
COR 03	\$1,974.00
COR 04	\$1,598.95
COR 05	\$4,986.64
COR 07	-\$1,037.77
COR 10	\$4,813.47
COR 11	\$15,752.31
COR 12	-\$11,945.47
COR 13	\$890.07
COR 14	\$1,537.19
COR 15	\$13,344.97
COR 16	\$3,545.47
COR 17	-\$13,195.08
COR 20	\$72,245.31
<b>Proposal Total</b>	<b>\$77,745.47</b>



# Contractor's Price Proposal - Detail

Date: December 20, 2017

Re: IQC Master Contract #: MN02IR-042517-KRU  
 Work Order #: 050068.01  
 Owner PO #:  
 Title: Duluth Public Schools Rockridge School Renovation Supplemental 1  
 Contractor: Kraus-Anderson Construction Company  
 Proposal Value: \$77,745.47

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

## COR 00

7	11 41 23 00 0012		EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	\$14,680.54			
				Quantity	Unit Price	Factor	=	Total
			Installation	1.00	10,650.42	x	1.3784	14,680.54
				Kitchen Freezer				
2	11 41 23 00 0221		EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	\$4,138.00			
				Quantity	Unit Price	Factor	=	Total
			Installation	1.00	3,002.03	x	1.3784	4,138.00
				Outdoor condenser				
3	11 52 33 00 0012		EA	75" HD Television, LED, 1920x1080 With WI-FI Includes 4 - HDMI, 3 - USB, 1 - component input.	-\$39,020.08			
				Quantity	Unit Price	Factor	=	Total
X	X		Installation	-12.00	2,359.02	x	1.3784	-39,020.08
				Owner purchased TV's				
4	27 14 13 16 0275		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	\$1,390.97			
				Quantity	Unit Price	Factor	=	Total
			Installation	0.95	1,062.23	x	1.3784	1,390.97
				HDMI cables from Teachers station to TV				

## Subtotal for COR 00

**-\$18,810.57**

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

## COR 01

5	02 41 19 13 0306		SF	6" Thick Concrete Block Wall Cutouts, <24 SF	\$141.34			
				Quantity	Unit Price	Factor	=	Total
			Installation	6.00	17.09	x	1.3784	141.34
				Cut Wall for Sink height Change				
6	05 75 00 00 0016		SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	\$197.28			
				Quantity	Unit Price	Factor	=	Total
			Installation	8.00	17.89	x	1.3784	197.28
				Stainless Steel Backer to cover wall cuts				
7	22 01 40 81 0005		EA	Single Bowl Sink/Lavatory Drain Line Replacement	\$63.05			
				Quantity	Unit Price	Factor	=	Total
			Installation	2.00	22.87	x	1.3784	63.05
				New Drain line				

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 01</b>						
8	22 42 16 16 0065		EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	\$596.13	
				Installation	Quantity 2.00 x Unit Price 216.24 x Factor 1.3784 = Total 596.13	
				Rework plumbing at sink height change		
9	22 42 39 00 0154		EA	1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	\$220.30	
				Installation	Quantity 2.00 x Unit Price 79.91 x Factor 1.3784 = Total 220.30	
				New P-traps		
10	22 42 39 00 0157		EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	\$107.90	
				Installation	Quantity 2.00 x Unit Price 39.14 x Factor 1.3784 = Total 107.90	
				New plumbing protection ADA		
11	22 42 39 00 0162		EA	Removal And Reinstallation Of Faucet	\$128.47	
				Installation	Quantity 2.00 x Unit Price 46.60 x Factor 1.3784 = Total 128.47	
				Faucet plumbing reinstallation		
<b>Subtotal for COR 01</b>					<b>\$1,454.47</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 02</b>						
12	08 81 23 23 0015		SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	\$591.50	
				Installation	Quantity 32.00 x Unit Price 13.41 x Factor 1.3784 = Total 591.50	
<b>Subtotal for COR 02</b>					<b>\$591.50</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 03</b>						
13	01 22 23 00 0117		DAY	185 CFM Diesel Powered Portable Air Compressor	\$249.92	
				Installation	Quantity 1.00 x Unit Price 181.31 x Factor 1.3784 = Total 249.92	
				Compressor for Posts		
14	05 14 16 00 0010		LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	\$3,029.72	
				Installation	Quantity 200.00 x Unit Price 10.99 x Factor 1.3784 = Total 3,029.72	
				Fencing Aluminum Top Cap		
15	32 31 13 13 0082		LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	\$265.92	
				Installation	Quantity 26.00 x Unit Price 7.42 x Factor 1.3784 = Total 265.92	
				Steel Fence Posts		

Contractor's Price Proposal - Detail Continues..

Work Order Number: 050068.01

Work Order Title: Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 03</b>						
16	32 31 13 13 0082	0137	MOD	For Each Top Rail Fitting, Add	\$48.38	
				Installation		
				Quantity	26.00 x	
				Unit Price	1.35 x	
				Factor	1.3784 =	
				Total	48.38	
17	32 31 13 13 0082	0152	MOD	For SS40 (Hot-Dip Galvanized And Chromated), Add	\$38.35	
				Installation		
				Quantity	26.00 x	
				Unit Price	1.07 x	
				Factor	1.3784 =	
				Total	38.35	
18	32 31 13 13 0082	0157	MOD	For Schedule 80, Add	\$84.58	
				Installation		
				Quantity	26.00 x	
				Unit Price	2.36 x	
				Factor	1.3784 =	
				Total	84.58	
19	32 31 13 13 0121		EA	32" Driven Post Support For 2-3/8" Round Chain Link Fence PostOZ-Post ISW-850.	\$1,520.62	
				Installation		
				Quantity	26.00 x	
				Unit Price	42.43 x	
				Factor	1.3784 =	
				Total	1,520.62	
				Steel Fence Post bases		
20	32 31 13 13 0147		LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	-\$5,794.79	
				Installation		
				Quantity	-200.00 x	
				Unit Price	21.02 x	
				Factor	1.3784 =	
				Total	-5,794.79	
				City required Cedar Fencing		
21	32 31 13 13 0219		LF	6' High Fence, Vinyl Plastic Fence Insert	-\$2,310.20	
				Installation		
				Quantity	-200.00 x	
				Unit Price	8.38 x	
				Factor	1.3784 =	
				Total	-2,310.20	
				City Required Cedar Fencing		
22	32 31 29 00 0018		LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	\$4,490.83	
				Installation		
				Quantity	200.00 x	
				Unit Price	16.29 x	
				Factor	1.3784 =	
				Total	4,490.83	
				City of Duluth Require Cedar Fence		
23	32 31 29 00 0018	0250	MOD	For Fastening With Screws Instead Of Nails, Add	\$350.67	
				Installation		
				Quantity	240.00 x	
				Unit Price	1.06 x	
				Factor	1.3784 =	
				Total	350.66	

Subtotal for COR 03

\$1,974.00

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 04</b>						
24	23 31 13 13 0003		LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	\$234.60	
				Installation		
				Quantity	0.00 x	
				Unit Price	5.96 x	
				Factor	1.3784 =	
				Total	0.00	
				Demolition		
				Quantity	115.00 x	
				Unit Price	1.48 x	
				Factor	1.3784 =	
				Total	234.60	
				Demo Duct work		
25	23 31 13 13 0003	0153	MOD	For Work In Restricted Working Space, Add	\$231.43	
				Installation		
				Quantity	115.00 x	
				Unit Price	1.46 x	
				Factor	1.3784 =	
				Total	231.43	

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 04</b>						
26	23 31 13 13 0003		LB	Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	\$451.84	
			Installation	Quantity 55.00 x Unit Price 5.96 x Factor 1.3784 = Total 451.84		
27	23 31 13 13 0003 0140		MOD	For Up To 200, Add	\$160.72	
			Installation	Quantity 55.00 x Unit Price 2.12 x Factor 1.3784 = Total 160.72		
28	23 31 13 13 0003 0153		MOD	For Work In Restricted Working Space, Add	\$110.69	
			Installation	Quantity 55.00 x Unit Price 1.46 x Factor 1.3784 = Total 110.69		
29	23 37 13 00 0090		EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	\$409.67	
			Installation	Quantity 1.00 x Unit Price 297.21 x Factor 1.3784 = Total 409.67		
<b>Subtotal for COR 04</b>					<b>\$1,598.95</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 05</b>						
30	09 51 13 00 0017		SF	2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels	\$2,217.71	
			Installation	Quantity 930.00 x Unit Price 1.41 x Factor 1.3784 = Total 1,807.50		
			Demolition	Quantity 930.00 x Unit Price 0.32 x Factor 1.3784 = Total 410.21		
31	09 53 23 00 0004		SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	\$2,768.93	
			Installation	Quantity 930.00 x Unit Price 1.89 x Factor 1.3784 = Total 2,422.81		
			Demolition	Quantity 930.00 x Unit Price 0.27 x Factor 1.3784 = Total 346.12		
<b>Subtotal for COR 05</b>					<b>\$4,986.64</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 07</b>						
32	08 12 13 13 0041		EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	-\$344.93	
			Installation	Quantity -1.00 x Unit Price 250.24 x Factor 1.3784 = Total -344.93		
33	08 12 13 13 0041 0074		MOD	For Welded Frames, Add	-\$82.01	
			Installation	Quantity -1.00 x Unit Price 59.50 x Factor 1.3784 = Total -82.01		
34	08 14 16 00 0159		EA	3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	-\$430.28	
			Installation	Quantity -1.00 x Unit Price 312.16 x Factor 1.3784 = Total -430.28		

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 07</b>					
35	08 71 23 00 0027		PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	-\$111.66
			Installation	Quantity -1.00 x Unit Price 81.01 x Factor 1.3784 = Total -111.66	
36	08 71 23 00 2285		EA	Heavy Duty Cylindrical Classroom Lockset F84Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	-\$358.58
			Installation	Quantity -1.00 x Unit Price 260.14 x Factor 1.3784 = Total -358.58	
37	09 22 16 13 0005		SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	-\$184.15
			Installation	Quantity -80.00 x Unit Price 1.67 x Factor 1.3784 = Total -184.15	
38	09 29 00 00 0013		SF	5/8" Type X Fire Rated Gypsum Board	-\$227.16
			Installation	Quantity -160.00 x Unit Price 1.03 x Factor 1.3784 = Total -227.16	
39	09 29 00 00 0056		SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	-\$94.83
			Installation	Quantity -160.00 x Unit Price 0.43 x Factor 1.3784 = Total -94.83	
40	09 51 13 00 0018		SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	\$485.89
			Installation	Quantity 150.00 x Unit Price 2.35 x Factor 1.3784 = Total 485.89	
41	09 51 13 00 0018	0096	MOD	For >50 To 200, Add	\$74.43
			Installation	Quantity 150.00 x Unit Price 0.36 x Factor 1.3784 = Total 74.43	
42	09 53 23 00 0004		SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	\$390.78
			Installation	Quantity 150.00 x Unit Price 1.89 x Factor 1.3784 = Total 390.78	
43	09 53 23 00 0004	0129	MOD	For Individual Room Quantities <495, AddFor use with projects >500 SF	\$45.49
			Installation	Quantity 150.00 x Unit Price 0.22 x Factor 1.3784 = Total 45.49	
44	09 53 23 00 0004	0133	MOD	For >50 To 200, Add	\$90.97
			Installation	Quantity 150.00 x Unit Price 0.44 x Factor 1.3784 = Total 90.97	
45	09 91 23 00 0064		SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	-\$213.93
			Installation	Quantity -160.00 x Unit Price 0.97 x Factor 1.3784 = Total -213.93	
46	09 91 23 00 0241		LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	-\$77.80
			Installation	Quantity -34.00 x Unit Price 1.66 x Factor 1.3784 = Total -77.80	

**Subtotal for COR 07** **-\$1,037.77**

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 10</b>					

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description				Line Total
Labor	Equip.	Material	(Excluded if marked with an X)					
<b>COR 10</b>								
47	02 41 19 13 0306		SF	6" Thick Concrete Block Wall Cutouts, <24 SF				\$282.68
				Installation	Quantity	Unit Price	Factor	Total
					12.00	17.09	1.3784	282.68
				Cut Walls for plumbing moves				
48	05 75 00 00 0016		SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls				\$394.55
				Installation	Quantity	Unit Price	Factor	Total
					16.00	17.89	1.3784	394.55
				Stainless covers at Plumbing Moves				
49	10 26 23 00 0149		EA	Hugger Hanger, For 1/2" Copper Pipe				\$32.31
				Installation	Quantity	Unit Price	Factor	Total
					4.00	5.86	1.3784	32.31
50	22 01 40 81 0005		EA	Single Bowl Sink/Lavatory Drain Line Replacement				\$63.05
				Installation	Quantity	Unit Price	Factor	Total
					2.00	22.87	1.3784	63.05
				Room 149 & 158 move fixtures				
51	22 11 16 00 0350		LF	1/2" Hard Drawn Type L Copper Tube/Pipe				\$120.33
				Installation	Quantity	Unit Price	Factor	Total
					20.00	3.30	1.3784	90.97
				Demolition	Quantity	Unit Price	Factor	Total
					15.00	1.42	1.3784	29.36
52	22 11 16 00 0622		EA	1/2" Crimped Copper 90 Degree Elbow				\$141.67
				Installation	Quantity	Unit Price	Factor	Total
					8.00	11.10	1.3784	122.40
				Demolition	Quantity	Unit Price	Factor	Total
					2.00	6.99	1.3784	19.27
53	22 11 16 00 0661		EA	1/2" Crimped Copper Coupling				\$60.87
				Installation	Quantity	Unit Price	Factor	Total
					4.00	11.04	1.3784	60.87
54	22 11 16 00 0697		EA	1/2" Crimped Copper Cap				\$53.26
				Installation	Quantity	Unit Price	Factor	Total
					6.00	6.44	1.3784	53.26
55	22 11 16 00 0735		EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe				\$64.18
				Installation	Quantity	Unit Price	Factor	Total
					8.00	5.82	1.3784	64.18
56	22 13 16 00 0011		LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				\$195.87
				Installation	Quantity	Unit Price	Factor	Total
					10.00	14.21	1.3784	195.87
				Room 149 & 158 move fixtures				
57	22 13 16 00 0280		EA	1-1/2" No Hub Cast Iron Long Sweep				\$256.38
				Installation	Quantity	Unit Price	Factor	Total
					6.00	31.00	1.3784	256.38
				Room 149 & 158 move fixtures				
58	22 13 16 00 0396		EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee				\$97.48
				Installation	Quantity	Unit Price	Factor	Total
					2.00	35.36	1.3784	97.48

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description				Line Total
Labor	Equip.	Material	(Excluded if marked with an X					
<b>COR 10</b>								
59	22 13 16 00 0455		EA	2" No Hub Cast Iron Deep Seal P-Trap				\$263.05
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	47.71	1.3784 =	263.05
				Room 149 & 158 move fixtures				
60	22 13 16 00 0480		EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts				\$82.10
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	14.89	1.3784 =	82.10
				Room 149 & 158 move fixtures				
61	22 13 16 00 0489		EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub				\$57.78
				Installation	Quantity	Unit Price	Factor	Total
					8.00 x	5.24	1.3784 =	57.78
				Room 149 & 158 move fixtures				
62	22 13 16 00 0489	0120	MOD	For Work In Restricted Working Space, Add				\$8.66
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	1.57	1.3784 =	8.66
63	22 42 16 13 0075		EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet				\$434.83
				Installation	Quantity	Unit Price	Factor	Total
					2.00 x	157.73	1.3784 =	434.83
64	22 42 39 00 0154		EA	1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout				\$440.59
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	79.91	1.3784 =	440.59
				New P-Traps				
65	22 42 39 00 0157		EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)				\$107.90
				Installation	Quantity	Unit Price	Factor	Total
					2.00 x	39.14	1.3784 =	107.90
66	22 42 39 00 0162		EA	Removal And Reinstallation Of Faucet				\$128.47
				Installation	Quantity	Unit Price	Factor	Total
					2.00 x	46.60	1.3784 =	128.47
				Move sinks				
67	22 47 13 00 0056		EA	Stainless Steel, Single Wall Mounted Drinking Fountain (HAWS 1105)				\$831.59
				Installation	Quantity	Unit Price	Factor	Total
		X			2.00 x	201.10	1.3784 =	554.39
		X		Demolition	Quantity	Unit Price	Factor	Total
					2.00 x	100.55	1.3784 =	277.20
				Demo and install only - no drinking fountains				
68	23 01 20 91 0010		EA	Up To 2" Freeze Pipe Using CO2 Kit				\$528.31
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	95.82	1.3784 =	528.31
				Freeze Pipes for cut in's				
69	23 05 23 00 0005		EA	1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve				\$167.56
				Installation	Quantity	Unit Price	Factor	Total
					4.00 x	30.39	1.3784 =	167.56
<b>Subtotal for COR 10</b>								<b>\$4,813.47</b>

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 11</b>					
70	22 07 19 00 0014		LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,812.21
			Installation	Quantity 198.00 x Unit Price 6.64 x Factor 1.3784 = Total 1,812.21	
71	22 07 19 00 0014 0144		MOD	For Single Layer Of Felt Finish, Add	\$36.28
			Installation	Quantity 188.00 x Unit Price 0.14 x Factor 1.3784 = Total 36.28	
72	22 07 19 00 0015		LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,970.51
			Installation	Quantity 209.00 x Unit Price 6.84 x Factor 1.3784 = Total 1,970.51	
				5/8 and 3/4	
73	22 07 19 00 0015 0144		MOD	For Single Layer Of Felt Finish, Add	\$43.89
			Installation	Quantity 199.00 x Unit Price 0.16 x Factor 1.3784 = Total 43.89	
74	22 07 19 00 0016		LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,042.70
			Installation	Quantity 109.00 x Unit Price 6.94 x Factor 1.3784 = Total 1,042.70	
75	22 07 19 00 0016 0144		MOD	For Single Layer Of Felt Finish, Add	\$21.83
			Installation	Quantity 99.00 x Unit Price 0.16 x Factor 1.3784 = Total 21.83	
76	22 07 19 00 0017		LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,025.06
			Installation	Quantity 103.00 x Unit Price 7.22 x Factor 1.3784 = Total 1,025.06	
77	22 07 19 00 0017 0144		MOD	For Single Layer Of Felt Finish, Add	\$21.74
			Installation	Quantity 83.00 x Unit Price 0.19 x Factor 1.3784 = Total 21.74	
78	22 07 19 00 0018		LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$388.65
			Installation	Quantity 38.00 x Unit Price 7.42 x Factor 1.3784 = Total 388.65	
79	22 07 19 00 0018 0144		MOD	For Single Layer Of Felt Finish, Add	\$7.72
			Installation	Quantity 28.00 x Unit Price 0.20 x Factor 1.3784 = Total 7.72	
80	22 07 19 00 0019		LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$449.25
			Installation	Quantity 42.00 x Unit Price 7.76 x Factor 1.3784 = Total 449.25	
81	22 07 19 00 0019 0144		MOD	For Single Layer Of Felt Finish, Add	\$9.70
			Installation	Quantity 32.00 x Unit Price 0.22 x Factor 1.3784 = Total 9.70	
82	22 07 19 00 0020		LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$530.59
			Installation	Quantity 47.00 x Unit Price 8.19 x Factor 1.3784 = Total 530.59	



**Contractor's Price Proposal - Detail Continues..**

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**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 11</b>						
83	22 07 19 00 0020	0144	MOD	For Single Layer Of Felt Finish, Add	\$12.24	
			Installation	Quantity 37.00 x Unit Price 0.24 x Factor 1.3784 = Total 12.24		
84	22 07 19 00 0021		LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,096.93	
			Installation	Quantity 92.00 x Unit Price 8.65 x Factor 1.3784 = Total 1,096.93		
				2 5/8 and 3		
85	22 07 19 00 0021	0144	MOD	For Single Layer Of Felt Finish, Add	\$30.52	
			Installation	Quantity 82.00 x Unit Price 0.27 x Factor 1.3784 = Total 30.52		
86	22 07 19 00 0034		LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,029.20	
			Installation	Quantity 74.00 x Unit Price 10.09 x Factor 1.3784 = Total 1,029.20		
87	22 07 19 00 0034	0144	MOD	For Single Layer Of Felt Finish, Add	\$29.03	
			Installation	Quantity 54.00 x Unit Price 0.39 x Factor 1.3784 = Total 29.03		
88	22 07 19 00 0036		LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$1,490.16	
			Installation	Quantity 99.00 x Unit Price 10.92 x Factor 1.3784 = Total 1,490.16		
89	22 07 19 00 0036	0144	MOD	For Single Layer Of Felt Finish, Add	\$60.04	
			Installation	Quantity 99.00 x Unit Price 0.44 x Factor 1.3784 = Total 60.04		
90	22 07 19 00 0037		LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$99.82	
			Installation	Quantity 6.00 x Unit Price 12.07 x Factor 1.3784 = Total 99.82		
91	22 07 19 00 0037	0144	MOD	For Single Layer Of Felt Finish, Add	\$4.14	
			Installation	Quantity 6.00 x Unit Price 0.50 x Factor 1.3784 = Total 4.14		
92	22 07 19 00 0038		LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	\$57.77	
			Installation	Quantity 3.00 x Unit Price 13.97 x Factor 1.3784 = Total 57.77		
93	22 07 19 00 0038	0144	MOD	For Single Layer Of Felt Finish, Add	\$2.40	
			Installation	Quantity 3.00 x Unit Price 0.58 x Factor 1.3784 = Total 2.40		
94	22 07 19 00 1075		EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	\$270.94	
			Installation	Quantity 24.00 x Unit Price 8.19 x Factor 1.3784 = Total 270.94		
95	22 07 19 00 1076		EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	\$297.05	
			Installation	Quantity 25.00 x Unit Price 8.62 x Factor 1.3784 = Total 297.05		

**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)			
<b>COR 11</b>						
96	22 07 19 00 1080		EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	\$263.83	
				Installation		
				Quantity 20.00 x Unit Price 9.57 x Factor 1.3784 = Total 263.83		
97	22 07 19 00 1083		EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	\$15.08	
				Installation		
				Quantity 1.00 x Unit Price 10.94 x Factor 1.3784 = Total 15.08		
98	22 07 19 00 1103		EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	\$530.59	
				Installation		
				Quantity 47.00 x Unit Price 8.19 x Factor 1.3784 = Total 530.59		
99	22 07 19 00 1104		EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	\$59.41	
				Installation		
				Quantity 5.00 x Unit Price 8.62 x Factor 1.3784 = Total 59.41		
100	22 07 19 00 1108		EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	\$65.96	
				Installation		
				Quantity 5.00 x Unit Price 9.57 x Factor 1.3784 = Total 65.96		
101	33 31 11 00 0371		EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	\$2,977.07	
				Installation		
				Quantity 20.00 x Unit Price 107.99 x Factor 1.3784 = Total 2,977.07		
				New hangers at Insulation replacement		
<b>Subtotal for COR 11</b>					<b>\$15,752.31</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 12</b>						
102	27 14 13 16 0532		MLF	2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	-\$4,203.55	
				Installation		
				Quantity -3.00 x Unit Price 1,016.53 x Factor 1.3784 = Total -4,203.55		
				PA Speakers eliminated		
103	27 51 33 00 0019		EA	PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille	-\$7,741.92	
				Installation		
				Quantity -60.00 x Unit Price 93.61 x Factor 1.3784 = Total -7,741.92		
				PA Speakers eliminated		
<b>Subtotal for COR 12</b>					<b>-\$11,945.47</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 13</b>						
104	09 22 16 13 0010		SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	\$101.45	
				Installation		
				Quantity 40.00 x Unit Price 1.84 x Factor 1.3784 = Total 101.45		

**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)		
<b>COR 13</b>					
105	09 22 16 13 0010	0002	MOD	For Soffit, Columns Or Beams Up To 10' High, Add	\$54.03
				Installation	
				Quantity 40.00 x Unit Price 0.98 x Factor 1.3784 = Total 54.03	
106	09 22 16 13 0010	0007	MOD	For 12" On Center, Add	\$17.64
				Installation	
				Quantity 40.00 x Unit Price 0.32 x Factor 1.3784 = Total 17.64	
107	09 29 00 00 0013		SF	5/8" Type X Fire Rated Gypsum Board	\$56.79
				Installation	
				Quantity 40.00 x Unit Price 1.03 x Factor 1.3784 = Total 56.79	
108	09 29 00 00 0013	0038	MOD	For Times When The Shortest Distance From Corner to Corner Is <3', Add	\$19.85
				Installation	
				Quantity 40.00 x Unit Price 0.36 x Factor 1.3784 = Total 19.85	
109	09 29 00 00 0056		SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	\$47.42
				Installation	
				Quantity 80.00 x Unit Price 0.43 x Factor 1.3784 = Total 47.42	
110	09 29 00 00 0056	0041	MOD	For Up To 128, Add	\$17.64
				Installation	
				Quantity 80.00 x Unit Price 0.16 x Factor 1.3784 = Total 17.64	
				Tie in on existing wall	
111	09 29 00 00 0062		LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	\$36.80
				Installation	
				Quantity 30.00 x Unit Price 0.89 x Factor 1.3784 = Total 36.80	
112	09 29 00 00 0186		LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	\$46.04
				Installation	
				Quantity 10.00 x Unit Price 3.34 x Factor 1.3784 = Total 46.04	
113	09 29 00 00 0213		LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	\$113.58
				Installation	
				Quantity 20.00 x Unit Price 4.12 x Factor 1.3784 = Total 113.58	
114	09 91 23 00 0064		SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	\$106.96
				Installation	
				Quantity 80.00 x Unit Price 0.97 x Factor 1.3784 = Total 106.96	
115	09 91 23 00 0064	0282	MOD	For Up To 100, Add	\$67.27
				Installation	
				Quantity 80.00 x Unit Price 0.61 x Factor 1.3784 = Total 67.27	
116	22 05 76 00 0020		EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	\$192.19
				Installation	
				Quantity 1.00 x Unit Price 139.43 x Factor 1.3784 = Total 192.19	
117	22 05 76 00 0020	0220	MOD	For Stainless Steel, Add	\$12.41
				Installation	
				Quantity 1.00 x Unit Price 9.00 x Factor 1.3784 = Total 12.41	
<b>Subtotal for COR 13</b>					<b>\$890.07</b>

**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)		
<b>COR 14</b>					
118	09 01 20 91 0006		SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	\$1,027.94
			Installation	Quantity 95.00 x Unit Price 7.85 x Factor 1.3784 = Total 1,027.94	
				Demo Display Case & Infill & Patch	
119	09 29 00 00 0056		SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	\$56.31
			Installation	Quantity 95.00 x Unit Price 0.43 x Factor 1.3784 = Total 56.31	
120	09 29 00 00 0056 0041		MOD	For Up To 128, Add	\$18.75
			Installation	Quantity 85.00 x Unit Price 0.16 x Factor 1.3784 = Total 18.75	
121	09 91 23 00 0064		SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	\$334.26
			Installation	Quantity 250.00 x Unit Price 0.97 x Factor 1.3784 = Total 334.26	
122	09 91 23 00 0064 0283		MOD	For >100 To 250, Add	\$99.93
			Installation	Quantity 250.00 x Unit Price 0.29 x Factor 1.3784 = Total 99.93	
<b>Subtotal for COR 14</b>					<b>\$1,537.19</b>

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 15</b>					
123	10 51 13 00 0021		EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	-\$14,834.62
			Installation	Quantity -60.00 x Unit Price 179.37 x Factor 1.3784 = Total -14,834.62	
124	10 51 13 00 0021 0127		MOD	For 14 Gauge Doors, Add	-\$1,305.90
			Installation	Quantity -60.00 x Unit Price 15.79 x Factor 1.3784 = Total -1,305.90	
125	10 51 13 00 0211		EA	12" Deep x 72" High, 16 Gauge End Panel	-\$111.73
			Installation	Quantity -2.00 x Unit Price 40.53 x Factor 1.3784 = Total -111.73	
126	10 51 13 00 0240		EA	Built In Combination Lock	-\$3,973.10
			Installation	Quantity -120.00 x Unit Price 24.02 x Factor 1.3784 = Total -3,973.10	
127	10 51 13 00 0271		EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	\$23,517.01
			Installation	Quantity 61.00 x Unit Price 279.69 x Factor 1.3784 = Total 23,517.01	
128	10 51 13 00 0271 0002		MOD	For >50 To 100, Deduct	-\$2,254.25
			Installation	Quantity 61.00 x Unit Price -26.81 x Factor 1.3784 = Total -2,254.25	
129	10 51 13 00 0297		EA	ADA Requirements For All Welded Lockers	\$0.00
			Installation	Quantity 0.00 x Unit Price 65.55 x Factor 1.3784 = Total 0.00	

**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)			
<b>COR 15</b>						
130	10 51 13 00	0299	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	\$2,023.44	
			Installation	Quantity 12.00 x Unit Price 122.33 x Factor 1.3784 = Total 2,023.44		
131	10 51 13 00	0300	EA	Recessed Trim For All Welded Lockers	\$6,244.80	
			Installation	Quantity 61.00 x Unit Price 74.27 x Factor 1.3784 = Total 6,244.80		
132	10 51 13 00	0301	EA	Built In Combination Lock For All Welded Lockers	\$4,039.32	
			Installation	Quantity 122.00 x Unit Price 24.02 x Factor 1.3784 = Total 4,039.32		
<b>Subtotal for COR 15</b>					<b>\$13,344.97</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 16</b>						
133	07 22 16 00	0184	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	\$220.54	
			Installation	Quantity 500.00 x Unit Price 0.32 x Factor 1.3784 = Total 220.54		
			Roof Demo			
134	07 53 23 00	0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Includes fasteners.	\$1,282.53	
			Installation	Quantity 5.00 x Unit Price 154.37 x Factor 1.3784 = Total 1,063.92		
			Demolition	Quantity 5.00 x Unit Price 31.72 x Factor 1.3784 = Total 218.61		
			Roof Patching			
135	07 53 23 00	0012 0102	MOD	For Up To 10, Add	\$182.84	
			Installation	Quantity 5.00 x Unit Price 26.53 x Factor 1.3784 = Total 182.84		
			Patching			
136	07 53 23 00	0012 0107	MOD	For Low Slope Fire Rated, Add	\$29.77	
			Installation	Quantity 5.00 x Unit Price 4.32 x Factor 1.3784 = Total 29.77		
			Sloped, but not fire rated			
137	07 53 23 00	0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	\$1,336.33	
			Installation	Quantity 12.00 x Unit Price 80.79 x Factor 1.3784 = Total 1,336.33		
138	07 53 23 00	0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	\$220.54	
			Installation	Quantity 50.00 x Unit Price 3.20 x Factor 1.3784 = Total 220.54		
139	07 53 23 00	0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	\$272.92	
			Installation	Quantity 50.00 x Unit Price 3.96 x Factor 1.3784 = Total 272.92		
<b>Subtotal for COR 16</b>					<b>\$3,545.47</b>	

**Contractor's Price Proposal - Detail Continues..**

**Work Order Number:** 050068.01

**Work Order Title:** Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 17</b>						
140	01 22 16 00 0002		EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 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 warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	-\$13,195.08	
			Installation	Quantity -13,195.08    x    Unit Price 1.00    x    Factor 1.0000 =    Total -13,195.08		
				Permit Fee Paid by District		
<b>Subtotal for COR 17</b>					<b>-\$13,195.08</b>	

Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 20</b>						
141	23 07 13 00 0014		SF	1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	\$14,360.02	
			Installation	Quantity 2,793.00    x    Unit Price 3.73    x    Factor 1.3784 =    Total 14,360.02		
				Duct Insulation		
142	23 07 13 00 0014 0499		MOD	For Work In Restricted Working Space, Add	\$3,426.39	
			Installation	Quantity 2,793.00    x    Unit Price 0.89    x    Factor 1.3784 =    Total 3,426.39		
143	23 09 23 00 1014		EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	\$1,265.74	
			Installation	Quantity 9.00    x    Unit Price 102.03    x    Factor 1.3784 =    Total 1,265.74		
144	23 09 23 00 1015		EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	\$1,266.36	
			Installation	Quantity 9.00    x    Unit Price 102.08    x    Factor 1.3784 =    Total 1,266.36		
145	23 09 23 00 1016		EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	\$294.78	
			Installation	Quantity 2.00    x    Unit Price 106.93    x    Factor 1.3784 =    Total 294.78		
146	23 09 23 00 1017		EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	\$466.99	
			Installation	Quantity 3.00    x    Unit Price 112.93    x    Factor 1.3784 =    Total 466.99		
147	23 09 23 00 1018		EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	\$180.46	
			Installation	Quantity 1.00    x    Unit Price 130.92    x    Factor 1.3784 =    Total 180.46		
148	23 31 13 13 0006		LB	Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	\$9,291.79	
			Installation	Quantity 1,605.00    x    Unit Price 4.20    x    Factor 1.3784 =    Total 9,291.79		

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Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 20</b>					
149	23 31 13 13 0006	0143	MOD	For >1,000 To 2,000, Add	\$862.81
			Installation	Quantity 1,605.00 x Unit Price 0.39 x Factor 1.3784 = Total 862.81	
150	23 31 13 13 0006	0153	MOD	For Work In Restricted Working Space, Add	\$1,637.13
			Installation	Quantity 1,605.00 x Unit Price 0.74 x Factor 1.3784 = Total 1,637.13	
151	23 31 13 16 0005		LF	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$2,547.28
			Installation	Quantity 352.00 x Unit Price 5.25 x Factor 1.3784 = Total 2,547.28	
152	23 31 13 16 0007		LF	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$489.28
			Installation	Quantity 51.00 x Unit Price 6.96 x Factor 1.3784 = Total 489.28	
153	23 31 13 16 0008		LF	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$116.34
			Installation	Quantity 10.00 x Unit Price 8.44 x Factor 1.3784 = Total 116.34	
154	23 31 13 16 0009		LF	12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$461.82
			Installation	Quantity 32.00 x Unit Price 10.47 x Factor 1.3784 = Total 461.82	
155	23 31 13 16 0010		LF	14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$420.80
			Installation	Quantity 24.00 x Unit Price 12.72 x Factor 1.3784 = Total 420.80	
156	23 31 13 16 0011		LF	16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	\$439.16
			Installation	Quantity 18.00 x Unit Price 17.70 x Factor 1.3784 = Total 439.16	
157	23 31 13 16 0029		EA	6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	\$1,230.65
			Installation	Quantity 37.00 x Unit Price 24.13 x Factor 1.3784 = Total 1,230.65	
158	23 31 13 16 0029	0123	MOD	For 24 Gauge, Add	\$53.04
			Installation	Quantity 37.00 x Unit Price 1.04 x Factor 1.3784 = Total 53.04	
159	23 31 13 16 0031		EA	8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	\$565.03
			Installation	Quantity 12.00 x Unit Price 34.16 x Factor 1.3784 = Total 565.03	
160	23 31 13 16 0032		EA	10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	\$191.96
			Installation	Quantity 3.00 x Unit Price 46.42 x Factor 1.3784 = Total 191.96	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 050068.01

Work Order Title: Duluth Public Schools Rockridge School Renovation Supplemental 1

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 20</b>					
161	23 31 13 16 0033	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow	\$185.53
		Installation	Quantity	Unit Price	Factor = Total
			2.00 x	67.30 x	1.3784 = 185.53
162	23 31 13 16 0041	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	\$29.93
		Installation	Quantity	Unit Price	Factor = Total
			1.00 x	21.71 x	1.3784 = 29.93
163	23 31 13 16 0043	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	\$87.20
		Installation	Quantity	Unit Price	Factor = Total
			2.00 x	31.63 x	1.3784 = 87.20
164	23 31 13 16 0045	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow	\$260.60
		Installation	Quantity	Unit Price	Factor = Total
			3.00 x	63.02 x	1.3784 = 260.60
165	23 31 13 16 0057	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	\$2,824.34
		Installation	Quantity	Unit Price	Factor = Total
			20.00 x	102.45 x	1.3784 = 2,824.34
166	23 31 13 16 0057	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	\$564.87
		Installation	Quantity	Unit Price	Factor = Total
			4.00 x	102.45 x	1.3784 = 564.87
167	23 31 13 16 0058	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	\$1,839.63
		Installation	Quantity	Unit Price	Factor = Total
			9.00 x	148.29 x	1.3784 = 1,839.63
168	23 31 13 16 0059	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee	\$1,877.08
		Installation	Quantity	Unit Price	Factor = Total
			7.00 x	194.54 x	1.3784 = 1,877.08
169	23 31 13 16 0065	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$433.70
		Installation	Quantity	Unit Price	Factor = Total
			24.00 x	13.11 x	1.3784 = 433.70
170	23 31 13 16 0067	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$127.53
		Installation	Quantity	Unit Price	Factor = Total
			6.00 x	15.42 x	1.3784 = 127.53
171	23 31 13 16 0068	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$105.20
		Installation	Quantity	Unit Price	Factor = Total
			4.00 x	19.08 x	1.3784 = 105.20
172	23 31 13 16 0069	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$210.32
		Installation	Quantity	Unit Price	Factor = Total
			6.00 x	25.43 x	1.3784 = 210.32



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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
<b>COR 20</b>					
173	23 31 13 16 0070	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$321.33
		Installation	Quantity	Unit Price	Factor = Total
			8.00 x	29.14 x	1.3784 = 321.33
174	23 31 13 16 0071	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	\$310.21
		Installation	Quantity	Unit Price	Factor = Total
			7.00 x	32.15 x	1.3784 = 310.21
175	23 31 13 16 0143	EA		12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	\$547.06
		Installation	Quantity	Unit Price	Factor = Total
			4.00 x	99.22 x	1.3784 = 547.06
176	23 31 13 16 0144	EA		14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	\$2,394.45
		Installation	Quantity	Unit Price	Factor = Total
			16.00 x	108.57 x	1.3784 = 2,394.45
177	23 31 13 16 0167	EA		12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	\$70.90
		Installation	Quantity	Unit Price	Factor = Total
			1.00 x	51.44 x	1.3784 = 70.90
178	23 31 13 16 0168	EA		14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	\$77.48
		Installation	Quantity	Unit Price	Factor = Total
			1.00 x	56.21 x	1.3784 = 77.48
179	23 31 13 16 0169	EA		16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	\$89.66
		Installation	Quantity	Unit Price	Factor = Total
			1.00 x	65.05 x	1.3784 = 89.66
180	23 33 46 00 0004	LF		6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	\$1,515.07
		Installation	Quantity	Unit Price	Factor = Total
			247.00 x	4.45 x	1.3784 = 1,515.07
181	23 33 46 00 0006	LF		8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	\$1,006.34
		Installation	Quantity	Unit Price	Factor = Total
			117.00 x	6.24 x	1.3784 = 1,006.34
182	23 33 46 00 0007	LF		10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	\$316.99
		Installation	Quantity	Unit Price	Factor = Total
			29.00 x	7.93 x	1.3784 = 316.99
183	23 33 46 00 0008	LF		12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	\$74.16
		Installation	Quantity	Unit Price	Factor = Total
			5.00 x	10.76 x	1.3784 = 74.16
184	23 33 46 00 0009	LF		14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	\$237.07
		Installation	Quantity	Unit Price	Factor = Total
			13.00 x	13.23 x	1.3784 = 237.07
185	23 33 46 00 0016	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$1,343.69
		Installation	Quantity	Unit Price	Factor = Total
			33.00 x	29.54 x	1.3784 = 1,343.69

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Sect.	Item	Modifier	UOM	Description	Line Total	
Labor	Equip.	Material	(Excluded if marked with an X)			
<b>COR 20</b>						
186	23 33 46 00 0018		EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$55.11	
				Installation		
				Quantity	Unit Price	
				1.00 x	39.98 x	
					Factor =	
					Total	
					55.11	
187	23 33 46 00 0019		EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$64.84	
				Installation		
				Quantity	Unit Price	
				1.00 x	47.04 x	
					Factor =	
					Total	
					64.84	
188	23 33 46 00 0020		EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$73.37	
				Installation		
				Quantity	Unit Price	
				1.00 x	53.23 x	
					Factor =	
					Total	
					73.37	
189	23 33 46 00 0021		EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$87.20	
				Installation		
				Quantity	Unit Price	
				1.00 x	63.26 x	
					Factor =	
					Total	
					87.20	
190	23 33 46 00 0022		EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	\$95.03	
				Installation		
				Quantity	Unit Price	
				1.00 x	68.94 x	
					Factor =	
					Total	
					95.03	
191	23 37 13 00 0037		EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	\$7,994.11	
				Installation		
				Quantity	Unit Price	
				38.00 x	152.62 x	
					Factor =	
					Total	
					7,994.11	
				Additional Ceiling Supply Diffusers 8 in base bid		
192	23 37 13 00 0037 0224		MOD	For Lay-In Mount, Add	\$985.25	
				Installation		
				Quantity	Unit Price	
				38.00 x	18.81 x	
					Factor =	
					Total	
					985.25	
193	23 37 13 00 0077		EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	\$268.87	
				Installation		
				Quantity	Unit Price	
				2.00 x	97.53 x	
					Factor =	
					Total	
					268.87	
194	23 37 13 00 0081		EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	\$4,969.19	
				Installation		
				Quantity	Unit Price	
				24.00 x	150.21 x	
					Factor =	
					Total	
					4,969.19	
195	23 37 13 00 0083		EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	\$751.28	
				Installation		
				Quantity	Unit Price	
				3.00 x	181.68 x	
					Factor =	
					Total	
					751.28	
196	23 37 13 00 0253		EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	\$482.88	
				Installation		
				Quantity	Unit Price	
				2.00 x	175.16 x	
					Factor =	
					Total	
					482.88	
<b>Subtotal for COR 20</b>					<b>\$72,245.31</b>	
<b>Proposal Total</b>					<b>\$77,745.47</b>	

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