Memorandum

To: ISD 709 School Board

Mr. Douglas Hasler, CFO

From: Dave Spooner Spoon

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





Change Order

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

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

Duluth, MN 55802

CONTRACT INFORMATION:

Contract For: Renovation Date: 09/08/2017

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

CHANGE ORDER INFORMATION:

Change Order Number: 001 Date: 12/20/2017

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
The net change by previously authorized Change Orders
The Contract Sum prior to this Change Order was
The Contract Sum will be increased by this Change Order in the amount of
The new Contract Sum including this Change Order will be

The Contract Time will be increased by Zero (0) days. The new date of Substantial Completion will be December 22, 2017 \$ 2,470,766.98 \$ 0.00 \$ 2,470,766.98 \$ 77,745.47 \$ 2,548,512.45

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.	Kraus-Anderson Construction Company	Duluth Public Schools, ISD 709
ARCHITECT (Firm name)	CONTRACTOR (Nirm name)	OWNER (Firm name)
SIGNATURE RYAN ERSPANER - PRINCIPAL	SIGNATURE) JEFF 115AKKA-VP. DOO	SIGNATURE
PRINTED NAME AND TITLE 1-3-2014	PRINTED NAME AND TITLE 12-21-17	PRINTED NAME AND TITLE
DATE	DATE	DATE



Exhibit A: COR Detail List

Owner Change Order 01

Date: 12/19/17

Project: Rockridge School Renovation (1722008-)

Owner Change Order Request Log

To be included in next Change Order PCO 11 RFI 07:Room 149 and 158 Plumbing Fixtures PCO 14 PR 05: Chase around Plumbing in Room 119 PCO 18 Deduct for Permitting Fees Paid by School PCO 17 Roof Patching for Mech/Elec Penetrations PCO 15 PR 06: Finishing wall at Removed Display PCO 16 RFI 10: Locker Latch Change & Locker PCO 12 PR 04; Boiler Room Insulation & Other Revision #2-18-17-Braw -- PCO-06-Revised Plans: Revision #2-16-16-17 PCO 05 RFI 02: Exposed Ductwork Return PCO 21 Additional HVAC to Office Areas PCO 20 ASI 02: Leg of Fence Location PCO 02 RFI 01: Toilet 138 Sink Height PCO 08 PR 02; Remodel Plan Area 'B' PCO 09 RFI 04: Kitchen Hood Wall PCO 07 RFI 03; Door 128 Frames PCO 13 Paging System Alteration PCO 03 ASI 01 Frame Type F-11 PCO 04 PR 01: Fencing Change PCO 10 RFI 06 PR 03: Door 199 PCO 19 Emergency Exit Lights Abatement Areas Description Upgrade Library District RFI 06 PR 03 Reference RFI 01 ASI 01 RFI 02 PR 01 RFI 03 RFI 04 **RFI 07** PR 02 ASI 02 PR 04 RFI 10 PR 05 PR 06 PR 07 13.00 18.00 10.00 11.00 12.00 14.00 15.00 16.00 17,00 19.00 20.10 9.00 8 2.00 4.00 6.00 COR 3.00 000 7.00 8.00

Total for project 1722008-

1 Kraus-Anderson Construction Company KRAUSANDERSON\chelsey.kroells



Work Order Signature Document

	NJPA EZIQC Contr	act No.: MN02IR-	042517-KRU
	New Work Order	X Modify an Ex	xisting Work Order
Work Order Nu	mber: 050068.01	Work Order Date:	12/20/2017
Owner PO No:			
Work Order Tit	le: Duluth Public Schools Rockridge School	ol Renovation Supple	mental 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
EZIQC Contract	formed as per the Final Detailed Scope of Wet No MN02IR-042517-KRU. Ser Description: Ge School Renovation Supplemental 1		
Duration	amande See Schedule Section of t	ine Detaneu Scope o	i vvork
Liquidated Da	amages Will apply:	Will not apply:	X
Work Order F	irm Fixed Price: \$77,745.47		
Owner Pur	chase Order Number:		
Approvals			
Owner	Da	ate Contractor	Highlan 12-21-17 Date
OWING			Date



Detailed Scope of Work

To: Chad Rettke

Kraus-Anderson Construction Company

8625 Rendova Street NE Circle Pines, MN 55014

763-792-3670

December 20, 2017

Work Order Number:

050068.01

Owner PO No:

Date Printed:

Work Order Title:

Duluth Public Schools Rockridge School Renovation Supplemental 1

Brief Scope:

Duluth Rockridge School Renovation Supplemental 1

P	reliminary	Revised	х	Final

David Spooner

215 N. 1st Ave E

Duluth, MN 55802

218-336-8700

Duluth Public Schools

From:

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: Work Order Title:	050068.01 Duluth Public Schools Rockridge Sc	chool Renovation Supplemental 1	
Contracto	vie//L	12-21-17 Date	
Owner		Date	

Contractor's Price Proposal - Summary

Date:

December 20, 2017

Re:

IQC Master Contract #:

MN02IR-042517-KRU

Work Order #: Owner PO #: 050068.01

Title:

Duluth Public Schools Rockridge School Renovation Supplemental 1

Contractor:

Kraus-Anderson Construction Company

Proposal Value:

\$77,745.47

roposar value.	
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
Proposal Total	\$77,745.47

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.	ltem	Modifer	UOM	Description							Line Total
Labor	Equip.	Material	(Excluded i	f marked	with an X	***************************************						***************************************
COR	00	······································				*****						
1	11 41 23	00 0012		EA					_	e Smooth Aluminum Ceiling), 36" x 78"		\$14,680.54
				Installat	on	uantity 1.00	x	Unit Price 10,650.42	x	Factor = 1.3784	Total 14,680.54	
2	11 41 23	00 0221		EA					ssemble	d Outdoor R404a,		\$4,138.00
				Installat	on	1 Phase, luantity 1.00	60 Hertz x	Unit Price 3,002.03	x	Factor 1.3784 =	Total 4,138.00	
	44 50 00	00 0040			condenser			,				
3	11 52 33	00 0012		EA	component in), 1920x1	080 With WI-Filn Unit Price	cludes 4	- HDMI, 3 - USB, 1 - Factor	Total	-\$39,020.08
X	X			Installati Owner p	on ourchased TV's	-12.00	X	2,359.02	X	1.3784	-39,020.08	
4	27 14 13	16 0275		MLF	2-Pair 24 AW0 Exposed	G, Catego	ory 3, Indo	oor Telecommuni	cations R	Riser Cable, Installed		\$1,390.97
				Installati		luantity 0.95	x	Unit Price 1,062.23	x	Factor = 1.3784	Total 1,390.97	
				HDMI c	ables from Teac	hers static	on to TV					

Subtotal for COR 00

-\$18,810.57

er respectively filled	Sect.	ltem	Modifer	UOM	Description	1					•	Line Total
Labor	Equip.	Material	(Excluded i	f marked	i with an X		* *********	e deregi mentre de manuel de m	*******************************			**************************************
COR	01										:	
5	02 41 19	13 0306		SF	6" Thick Co	oncrete Block	c Wall Cι	itouts, <24 SF				\$141.34
				Installa	tion	Quantity 6.00	x	Unit Price 17.09	x	Factor = 1.3784	Total 141.34	
				Cut Wa	all for Sink hei	ght Change						
6	05 75 00	00 0016		SF	0.0375" Th Walls	ick (20 Gaug	e) 304 B	rushed Stainless	Steel Sh	eet, Installed On		\$197.28
				Installat	tion	Quantity 8.00	x	Unit Price 17.89	x	Factor 1.3784 =	Total· 197.28	
				Stainle	ss Steel Back	er to cover w	all cuts					
7	22 01 40	81 0005		EA	Single Bow	/l Sink/Lavato	ory Drain	Line Replaceme	nt			\$63.05
				Installat	tion	Quantity 2.00	x	Unit Price 22.87	x	Factor = 1.3784	Total 63.05	
				New Dr	rain line			•	~			

Work Order Number:

050068.01

Work Order Title:

Laba	Sect. Item	Modifer	UOM 'f	Descriptio	n			***************************************		de wallanderladere (1911-1911	Line Total
Labor COR		(Excluded	ıτ marked	with an X							
8	22 42 16 16 006		EA	Removal	And Painetail	ation Of V	Vall Hung Servic	a Sink Wil	th Faucat		#500.40
	10 10 000			romovari	Quantity	audii Oi V	Unit Price	G CHIK VVII	Factor	Total	\$596.13
			Installat	ion	2.00	x	216,24	х	1.3784	596.13	
			Rework	plumbing at	sink height o	hange					
9	22 42 39 00 015	4	EA	1-1/2" Chi	ome Plated (Cast P-Tra	ap With Or Witho	ut Cleano	ut		\$220.30
			Instaliat	ion	Quantity	.,	Unit Price		Factor	Total 220.30	
			New P-		2.00	×	79.91	X	1.3784	220.00	
10	22 42 39 00 015	7	EA		ory Drainline	Guard Ar	nd Shutoff Cover	s (IPS Tru	ebro Soft-Guard		\$107.90
				Plus)	Ou nontife :		Linit Dulan		F4	*	
			Installat	ion	Quantity 2.00	х	Unit Price 39.14	Х	Factor 1.3784	Total 107.90	
			New plu	ambing prote							
11	22 42 39 00 0162	2	EA	Removal i	And Reinstall	ation Of F	aucet				\$128.47
			t		Quantity		Unit Price		Factor	Total	
			instaliati		2.00	X	46.60	X	1.3784	128.47	
		Access to the second	Faucet	plumbing rei	nstallation						
Subto	otal for COR 01										\$1,454.4
	Sect. Item	Modifer	UOM	Descriptio	n						Line Total
.abor	Sect. Item Equip. Material	Modifer (Excluded			n	·					Line Total
	Equip. Material				n					s. Devotation of the State of t	Line Total
	Equip. Material	(Excluded		with an X		Clear Floa	at Field Installed	Glass	. W. T. THE EXAMPLEATION OF MUSICAL CONTROL OF THE		
COR	Equip. Material	(Excluded	if marked	with an X	Tempered,	Clear Floa	at Field Installed Unit Price	Glass	Factor	Total	Line Total
COR	Equip. Material	(Excluded	if marked	with an X		Clear Floa		Glass	Factor 1.3784	Total 591.50	
12	Equip. Material	(Excluded	if marked SF	with an X	Tempered, Quantity		Unit Price		_		\$591.50
	Equip. Material 02 08 81 23 23 0018 06 al for COR 02	(Excluded	SF Installati	with an X 1/4" Thick on	Tempered, Quantity 32.00		Unit Price		_		\$591.50 \$591.5 0
12 Subto	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item	(Excluded	SF Installati UOM	1/4" Thick	Tempered, Quantity 32.00		Unit Price		_		\$591.50
12 Subto	Equip. Material 02 08 81 23 23 0019 0fal for COR 02 Sect. Item Equip. Material	(Excluded	SF Installati UOM	1/4" Thick	Tempered, Quantity 32.00		Unit Price		_		\$591.50 \$591.5 0
OOR 12	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material	(Excluded Modifer (Excluded	SF Installati UOM if marked	1/4" Thick on Descriptio	Tempered, Quantity 32.00	X	Unit Price 13.41	X	_		\$591.50 \$591.5 0
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12 Subto	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material	(Excluded Modifer (Excluded	SF Installati UOM if marked	1/4" Thick on Descriptio with an X	Tempered, Quantity 32.00	x ed Portab	Unit Price 13.41 13.41 Die Air Compress Unit Price	X	1.3784 =	591.50	\$591.50 \$591.5 0 Line Total
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12 Subto	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material	(Excluded Modifer (Excluded	SF Installati UOM If marked DAY	1/4" Thick on Descriptio with an X 185 CFM I	Tempered, Quantity 32.00	x ed Portab	Unit Price 13.41 13.41 Die Air Compress Unit Price	X	1.3784 =	591.50	\$591.50 \$591.50 Line Total \$249.92
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abor 13	Equip. Material 02 08 81 23 23 0018 04	(Excluded Modifer (Excluded	SF Installati UOM if marked DAY Installati Compre	with an X 1/4" Thick fon Descriptio with an X 185 CFM I on assor for Pos 1-1/4" x 1-	Tempered, Quantity 32.00	x ed Portab	Unit Price 13.41 ble Air Compress Unit Price 181.31	X	1.3784 =	591.50	\$591.50 \$591.50 Line Total \$249.92
abor 13	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material 03 01 22 23 00 0117	Modifer (Excluded	SF Installati UOM If marked DAY Installati Compre	number of the state of the stat	Diesel Power Quantity 1.00 ts 1/4" Aluminur Quantity 200.00 fop Cap	ed Portab x m Tubing.	Unit Price 13.41 Ide Air Compress Unit Price 181.31 1/8" Wall Thickr Unit Price 10.99	x Or x ness x	Factor 1.3784 =	591.50 Total 249.92	\$591.50 \$591.50 Line Total \$249.92
Subto	Equip. Material 02 08 81 23 23 0018 04	Modifer (Excluded	SF Installati UOM If marked DAY Installati Compre	number of the state of the stat	Diesel Power Quantity 1.00 ts 1/4" Aluminur Quantity 200.00 fop Cap	ed Portab x m Tubing.	Unit Price 13.41 Die Air Compress Unit Price 181.31 , 1/8" Wall Thicki Unit Price	x Or x ness x	Factor 1.3784 =	591.50 Total 249.92	\$591.50 \$591.50 Line Total \$249.92
con 12 Subto	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material 03 01 22 23 00 0117	Modifer (Excluded	SF Installati UOM if marked DAY Installati Compre LF Installati Fencing	with an X 1/4" Thick on Descriptio with an X 185 CFM I on assor for Pos 1-1/4" x 1- on Aluminum T 2-1/2" Out	Diesel Power Quantity 1.00 ts 1/4" Aluminus Quantity 200.00 Top Cap side Diamete Quantity	ed Portab x m Tubing. x	Unit Price 13.41 Die Air Compress Unit Price 181.31 1/8" Wall Thickr Unit Price 10.99 zed Steel Post, Unit Price	x Or x ness x	Factor 1.3784 = Factor 1.3784 = Length Factor	Total 249.92 Total 3,029.72	\$591.50 \$591.50 Line Total \$249.92 \$3,029.72
2 Subto	Equip. Material 02 08 81 23 23 0018 0tal for COR 02 Sect. Item Equip. Material 03 01 22 23 00 0117	Modifer (Excluded	SF Installati UOM If marked DAY Installati Compre LF Installati Fencing LF Installati	with an X 1/4" Thick on Descriptio with an X 185 CFM I on assor for Pos 1-1/4" x 1- on Aluminum T 2-1/2" Out	Diesel Power Quantity 1.00 ts 1/4" Aluminur Quantity 200.00 Top Cap side Diamete	ed Portab x m Tubing.	Unit Price 13.41 Die Air Compress Unit Price 181.31 1/8" Wall Thickr Unit Price 10.99	x Or x ness x	Factor 1.3784 = Factor 1.3784 = Length	Total 249.92 Total 3,029.72	\$591.50 \$591.50 Line Total \$249.92 \$3,029.72

Work Order Number:

050068.01

Work Order Title:

	Sect.	ltem	Modifer	UOM	Description	1						Line Total
Labor	Equip.	Material	(Excluded	if marked	with an X							
COR	03											
16	32 31 1:	3 13 0082	0137	MOD	For Each T	op Rail Fitti	ng, Add		·,·· - · · · · · ·			\$48.38
						Quantity		Unit Price		Factor	Total	·
				Installat	ion	26.00	Х	1.35	x	1.3784 =	48.38	
17	32 31 13	3 13 0082	0152	GOM	For SS40 (Hot-Dip Gal	vanized A	and Chromated),	Add			\$38.35
				Installat	ian	Quantity		Unit Price		Factor	Total	
				IIIStaliat	,ion	26.00	Х	1.07	×	1.3784	38.35	
18	32 31 10	3 13 0082	0157	MOD	For Schedu	ule 80, Add						\$84.58
				Installat	ion	Quantity		Unit Price		Factor	Total	
	00.01.11					26.00	X	2.36	Х	1.3784	84.58	
19	32 31 13	3 13 0121		EΑ		Post Suppor	rt For 2-3	/8" Round Chain	Link Fend	e PostOZ-Post		\$1,520.62
					ISW-850.	Quantity		Unit Price		Factor	Total	
				Installat	ion	26.00	x	42.43	×	1.3784	1,520.62	
				Steel F	ence Post bas	ses						
20	32 31 13	13 0147		LF	6' Galvaniz	ed Chain Lir	nk Fence,	9 Gauge Coiled	Spring M	esh, Top And Botton)	-\$5,794.79
					Rails, 2-1/2		At 10' On	Center, 3" Corn	er Post			
				Installat	íon	Quantity -200.00	x	Unit Price	x	Factor 1.3784	Total -5,794,79	
				City rea	uired Cedar F		^	21.02	^	1.3784	0,101110	
21	32 31 13	13 0219		LF		ice, Vinyl Pla	astic Fene	e Insert				-\$2,310.20
						Quantity		Unit Price		Factor	Total	-42,310.20
				Installati	ion	-200.00	х	8.38	×	1.3784	-2,310.20	
				City Re	quired Cedar	Fencing						
22	32 31 29	00 0018		LF ·	Board Fend	ce, 3 - 2° x 4	" Rails, 6	High 1" x 4" #1	Grade Ce	dar		\$4,490.83
				T4-TI-12		Quantity		Unit Price		Factor	Total	
				Installati		200.00	X	16.29	х	1.3784	4,490.83	
					Duluth Requir							
23	32 31 29	00 0018	0250	MOD	For Fasteni	ng With Scre	ews Inste	ad Of Nails, Add				\$350.67
				Installati	on	Quantity	V	Unit Price	.,	Factor	Total 350.66	
				***************************************		240.00	X	1.06	X	1.3784	330.00	
Subto	tal for CC	R 03										\$1,974.00
								,				
_abor	Sect. Equip.	Item Material	Modifer (Excluded)	UOM	Description		Militariya da gayayayaya		***************************************			Line Total
		Wateriai	(Excluded)	markeo	wan an A							
COR (*******					
24	23 31 13	13 0003		LB	Sheet Meta Assemble A	-	Low Pres	sure, Field Fabri	cated, Ga	lvanized, Field		\$234.60
						Quantity		Unit Price		Factor	Total	
				Installati	on	0.00	X	5.96	x	1.3784	0.00	
				Demolitic Demo D	on luct work	115.00	X	1.48	×	1.3784 =	234,60	
25	23 31 13	13 0003	0153	MOD		Restricted \	Working S	Space, Add				\$231,43
						Quantity		Unit Price		Factor	Total	φ <u>~</u> ∪1,40
				Installation				Similar Comment		i autor	rulai	

Work Order Number:

050068.01

Work Order Title:

	Sect.	ltem	Modifer	UOM	Description		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***				Line Total
Labor	Equip.	Material	(Excluded	f marked	with an X							
COR	04											
26	23 31 13	13 0003		LB	Sheet Meta Assemble A		Low Pres	ssure, Field Fabr	cated, G	alvanized, Field	<u></u>	\$451.84
		•		Installat	lon	Quantity 55.00	x	Unit Price 5.96	х	Factor 1.3784	Total 451.84	
27	23 31 13	13 0003	0140	MOD	For Up To 2	200, Add						\$160.72
				Installati	ion	Quantity 55.00	x	Unit Price 2.12	×	Factor 1.3784	Total 160.72	
28	23 31 13	13 0003	0153	MOD	For Work In	Restricted	Working	Space, Add				\$110.69
				Installati	on	Quantity 55.00	х	Unit Price 1.46	×	Factor 1.3784 =	Total 110.69	
29	23 37 13	00 0090		EA	36" x 24" Si Blade Dam			m/Exhaust Regis	ter, Alum	ninum, Opposed		\$409.67
		Web		Installati	on	Quantity 1.00	х	Unit Price 297.21	х	Factor 1.3784	Total 409.67	
Subto	otal for CO	R 04										\$1,598.9
	Sect.	ltem	Modifer	UOM	Description							Line Total
Labor	Equip.	Material	(Excluded i	f marked	with an X				4 - mg + 14 - 4 - 14 - 14 - 14 - 14 - 14 - 14		***	
COR	05											
30	09 51 13	00 0017		SF	2' x 2' x 5/8'	" Mineral Fil	oer Acous	stical Ceiling Pan	els		· · · · · · · · · · · · · · · · · · ·	\$2,217.71
				Installati		Quantity 930.00	x	Unit Price 1,41	x	Factor 1.3784 =	Total 1,807.50	
31	09 53 23	ስስ ሰበሰል		Demoliti SF		930.00	X or Coiling	0.32 Suspension Sys	X	1.3784 =	410.21	AD 700 00
٠.	00 00 20	00 0004		Installati		Quantity 930.00	x cenning	Unit Price	X	Factor 1.3784	Total 2,422.81	\$2,768.93
				Demoliti	on	930.00	X	0.27	Х	1.3784 =	346.12	
Subto	otal for COI	₹ 05										\$4,986.64
***************************************	Sect.	ltem	Modifer	UOM	Description							Line Total
abor	Equip.	Material	(Excluded i	f marked	with an X							
COR	07											
32	08 12 13	13 0041		EA	3' x 6'-8" Th Frame	rough 7'-2"	High, 5-3.	/4" Deep, 16 Gau	ige, Kno	ck Down Metal Door	r	-\$344.93
				Installati	on	Quantity -1.00	х	Unit Price 250.24	×	Factor = 1.3784	Total -344.93	
33	08 12 13	13 0041	0074	MOD	For Welded	Frames, Ad	ld					-\$82.01
				Installati	on 	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 Co	re, Oak O	r Maple Faced D	oor			-\$430.28
						Quantity		Unit Price		Factor	Total	

Work Order Number:

050068.01

Work Order Title:

- I-	Sect.	Item	Modifer	MOU	Description	Line Total
bor	Equip.	Material	(Excluded	f marked	with an X	
OR	07					
35	08 71 2	3 00 0027		PR	4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	-\$111.66
				Installati	Quantity Unit Price Factor Tot	
				Installati	on -1.00 × 81.01 × 1.3784 = -111.6	66
36	08 71 2	3 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
				Installati	Quantity Unit Price Factor Tot	
				niotaliati	on -1.00 × 260.14 × 1.3784 = -358.5	
37	09 22 1	6 13 0005		SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	-\$184.15
				Installati	Quantity Unit Price Factor Tot	
		5			-80.00 × 1.57 × 1.3784	J
38	09 29 0	0 00 0013		SF	5/8" Type X Fire Rated Gypsum Board	-\$227.16
				Installati	Quantity Unit Price Factor Tot	
					-100.00 ^ 1.03 ^ 1.3/84	· · · · · · · · · · · · · · · · · · ·
39	09 29 00	0 00 0056		SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	-\$94.83
				Installati	Quantity Unit Price Factor Tot	
					-100.00 ^ 0.43 ^ 1.3/84 \ 34.5	ა
40	09 51 13	3 00 0018		SF	2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels	\$485.89
				Installati	Quantity Unit Price Factor Tot	
					150.00 ^ 2.35 ^ 1.3784	9
41	09 51 13	3 00 0018	0096	MOD	For >50 To 200, Add	\$74.43
				Installation	Quantity Unit Price Factor Tot	
					150.00 ^ 0.36 × 1.3784	٥
42	09 53 23	3 00 0004		SF	2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	\$390.78
				Installatio	Quantity Unit Price Factor Tot	
	00 50 00				150.00 ^ 1.89 ^ 1.3784 055.7	o
43	09 53 23	3 00 0004	0129	MOD	For Individual Room Quantities <495, AddFor use with projects >500 SF	\$45.49
				Installatio	Quantity Unit Price Factor Tot	
	^^ ~^ ~				150.00 ^ 0.22 ^ 1.3/84	9
44	09 53 23	3 00 0004	0133	MOD	For >50 To 200, Add	\$90.97
				Installatio	Quantity Unit Price Factor Tot	
					130.00 ^ 0.44 ^ 1.3764	
45	09 91 23	3 00 0064		SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work	-\$213.93
				Installatio	Quantity Unit Price Factor Tota	
					n -160.00 × 0.97 × 1.3784 = -213.9	J
46	09 91 23	00 0241		LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	-\$77.80
				Installatio	Quantity Unit Price Factor Tota	
				morangue	n -34.00 × 1.66 × 1.3784 = -77.8	J
otdu	tal for CC	OR 07				-\$1,037.7
	Sect.	Item	Modifer	UOM	Description	Line Total
bor	Equip.	Material	(Excluded if	***************************************		Luic (Old)
			•			

Work Order Number:

050068.01

Work Order Title:

	Sect.	Item	Modifer	UOM	Description	1			******************			merina de la companya de la company	Line Total
abor COR	Equip.	Material	(Excluded if	marked	with an X		·						
		10.0000		A.F.									
47	02 41 19	13 0306		SF	6" Thick Co		k Wall Cu	utouts, <24 SF					\$282.68
				Installati	on	Quantity 12.00	x	Unit Price 17.09	x	Factor 1.3784	=	Total 282.68	
				Cut Wal	ls for plumbir		,	17.08	^	1.3704			
48	05 75 00	00 0016		SF	· · · · · · · · · · · · · · · · · · ·	-	ne) 304 F	Brushed Stainless	Steel She	at Installed (<u></u>	*	\$394.55
					Walls	(20 224	,,,,,,,		0.00.	or, mounds			ψουοο
				Installati	on	Quantity		Unit Price		Factor	===	Total 394.55	
					s covers at F	16.00 Dumbing Mo	X	17.89	X	1.3784		334.33	
49	10 26 23	00 0149		EA		inger, For 1/2		r Pine			••		\$32.31
	, , , , , , , , , , , , , , , , , , , ,	000110			riagger ria	Quantity	- Ооррс	Unit Price		Factor		Total	Φ 3∠.3 Ι
				Installati	on	4.00	х	5.86	х	1.3784	=	32.31	
50	22 01 40	81 0005		EA	Single Bow	vl Sink/Lavat	ory Drain	Line Replaceme	nt				\$63.05
						Quantity		Unit Price		Factor		Total	·
				Installati	on	2.00	x	22.87	Х	1.3784	=	63.05	
					49 & 158 mo	ve fixtures							
51	22 11 16	00 0350		LF	1/2" Hard [Drawn Type	L Copper	Tube/Pipe					\$120.33
				Installati	on	Quantity	.,	Unit Price		Factor	=	Total 90.97	
				Demolitic		20.00 15.00	Х	3.30 1.42	X	1.3784 1.3784		29.36	
52	22 11 16	00 0622		EA		ed Copper 9	X O Degree		Х	1.3704		25.30	\$141.67
						Quantity	v = 0g.00	Unit Price		Factor		Total	φ141,07
				Installati	on	8.00	×	11.10	Х	1.3784	=	122.40	
			****	Demoliti	on	2.00	Х	6.99	X	1.3784	=	19.27	·
53	22 11 16	00 0661		EA	1/2" Crimpe	ed Copper C	oupling						\$60.87
				Installation	on	Quantity		Unit Price		Factor	=	Total 60.87	
	00 44 40					4.00	X	11.04	X	1.3784		00,07	
54	22 11 16	00 0697		ĒΑ	1/2" Crimpe	ed Copper C	ар						\$53.26
				Installation	on	Quantity 6.00	×	Unit Price 6.44	X	Factor 1.3784	=	Total 53.26	
55	22 11 16	00 0735		EA	Lin To 1/2"			isting In Place Co					\$64.18
		33 27 33		121	op to ne	Quantity	opaic Ex	Unit Price	ppoi i ipo	Factor		Total	ф0 4 .10
				Installation	on	8.00	x	5.82	x	1.3784	=	64.18	
56	22 13 16	00 0011		LF		and hangers.		st Iron Soil Pipe A are assumed eve	-	ncludes all fitti	ngs,	***************************************	\$195.87
				I		Quantity		Unit Price		Factor		Total	
				Installation		10.00	Х	14.21	Х	1.3784	=	195.87	
					49 & 158 mo								
57	22 13 16	00 0280		EA	1-1/2" No F	Hub Cast Iron	Long S						\$256.38
				Installatio	on	Quantity 6.00	x	Unit Price 31.00	x	Factor 1.3784	=	Total 256.38	
				Room 14	49 & 158 mo			31.00	••	1.0704			
58	22 13 16	00 0396	***************************************	EA			Hub Cas	t Iron Sanitary Ta	pped Tee				\$97.48
						Quantity		Unit Price		Factor		Total	Ψ07.40
				Installation	on	2.00	X	35.36	x	1.3784	=	97.48	

Work Order Number:

050068.01

Work Order Title:

	Sect.	Item	Modifer	UOM	Descripti	on	(at words you see					Line Tota
abor	Equip.	Material	(Excluded i	f marked	with an X	*****						
OR	10											
59	22 13 16	00 0455		EA	2" No Hu	ıb Cast Iron D	eep Seal	P-Trap				\$263.0
						Quantity		Unit Price		Factor	Total	
		,		Installat		4.00	Х	47.71	Х	1.3784	263.05	
						nove fixtures						
60	22 13 16	00 0480		EA	1-1/2" Ca	ast Iron Mecha	inical Joi	nt Coupling With	Veoprene	Gasket And Bolts		\$82.1
				installat	ion	Quantity	~	Unit Price	х	Factor	Total 82.10	
				Poom 1	I/O & 150 n	4.00 nove fixtures	Χ.	14.89	*	1.3784	02.70	
61	22 13 16	00 0489		EA			" Caet Irc	on Pipe, No Hub				фг т ¬
٠.	22 10 70	00 0-10.5		L/\	Out And	Quantity	Castill	Unit Price		Faster	T-4-1	\$57.7
				Installat	ion	8.00	x	5.24	×	Factor 1.3784	Total 57.78	
				Room 1	149 & 158 n	nove fixtures		0.27				
62	22 13 16	00 0489	0120	MOD	For Work	In Restricted	Working	Space, Add				\$8.66
						Quantity		Unit Price		Factor	Total	*****
				Installat	ion	4.00	X	1.57	×	1.3784 =	8.66	
63	22 42 16	13 0075		EA	Removal	And Reinstall	ation Of	Wall Hung Lavato	ry With Fa	aucet		\$434.8
						Quantity		Unit Price		Factor	Total	
				Installat	ion	2.00	X	157.73	X	1.3784 =	434.83	
64	22 42 39	00 0154		EA	1-1/2" Ch	rome Plated (Cast P-Tr	ap With Or Witho	ut Cleano	ut		\$440.5
				Installat	ion	Quantity		Unit Price		Factor _	Total	
						4.00	Х	79.91	×	1.3784	440.59	
e E	22 42 20	00.0457		New P-								
65	22 42 39	00 0157		EA	Soft Lava Plus)	atory Drainline	Guard A	nd Shutoff Cover	s (IPS Tru	ebro Soft-Guard		\$107.90
					(103)	Quantity		Unit Price		Factor	Total	
				Installat	ion	2.00	Х	39.14	x	1.3784 =	107.90	
66	22 42 39	00 0162		EA	Removal	And Reinstall	ation Of I	Faucet				\$128.4
						Quantity		Unit Price		Factor	Total	
				Installat	ion	2.00	X	46.60	×	1.3784 =	128.47	
				Move s	nks							
67	22 47 13	00 0056		EA	Stainless	Steel, Single	Wall Mou	ınted Drinking Fo	untain (HA	NWS 1105)		\$831.59
		х		Installat.	ion	Quantity		Unit Price		Factor	Total 554.39	
		X				2.00 2.00	Х	201.10 100.55	X	1.3784 = 1.3784 =	277.20	
		^		Demoiiti Demo a		2.00 nly - no drinkir	x ng founta		Х	1.3704 =	277.20	
68	23 01 20	91 0010		EA	Up To 2"	Freeze Pipe U	Jsing CO	2 Kit				\$528.3 ²
						Quantity	_	Unit Price		Factor	Total	**
				Installati	on	4.00	X	95.82	×	1.3784 =	528.31	
				Freeze	Pipes for cu	ıt in's						
69	23 05 23	00 0005		EA	1/2" 125	LB Threaded,	Brazed (or Soldered Bronz	e Gate Va	alve		\$167.56
				(notallati	on	Quantity		Unit Price		Factor _	Total	
				Installati	UII	4.00	X	30.39	х	1.3784 =	167.56	

Work Order Number:

050068.01

Work Order Title:

-	Sect.	ltem	Modifer	UOM	Description			X2000000000000000000000000000000000000				Line Tota
abor	Equip.	Material	(Excluded	if marked	with an X							
OR	11											
70	22 07 19	9 00 0014		LF	1/2" Diamet (ASJ)	ter Pipe, 1"	Thick, Fib	erglass Insulatio	n With Al	Service Jacket		\$1,812.21
				Installati	ion	Quantity 198.00	х	Unit Price 6.64	х	Factor = 1.3784	Total 1,812.21	
71	22 07 19	9 00 0014	0144	MOD	For Single i	Layer Of Fe	lt Fínish,	Add				\$36.28
				Installati	on	Quantity 188.00	х	Unit Price 0.14	x	Factor 1.3784 [≃]	Total 36.28	
72	22 07 19	9 00 0015		LF	3/4" Diamet	ter Pipe, 1°	Thick, Fib	erglass Insulatio	n With Al			\$1,970.5
				Installati		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 L	ayer Of Fe	t Finish,	Add				\$43.89
				installati	on	Quantity 199,00	x	Unit Price 0.16	x	Factor = 1.3784	Total 43.89	
74	22 07 19	00 0016		LF	1" Diameter	r Pipe, 1" Th	ick, Fiber	glass Insulation	With All S	Service Jacket (ASJ)		\$1,042.7
				Installati	on	Quantity 109.00	×	Unit Price 6.94	×	Factor = 1.3784	Total 1,042.70	
75	22 07 19	00 0016	0144	MOD	For Single L	ayer Of Fel	t Finish, /	√dd				\$21.8
				Installati	on	Quantity 99.00	×	Unit Price 0.16	x	Factor 1.3784 =	Total 21.83	
76	22 07 19	00 0017		LF	1-1/4" Diam (ASJ)	eter Pipe, 1	" Thick, F	iberglass Insulat	ion With	All Service Jacket		\$1,025.06
				Installati		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 L	ayer Of Fel	t Finish, /	Add				\$21.74
				Installati	on	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" Diam (ASJ)	eter Pipe, 1	" Thick, F	iberglass Insulat	on With	All Service Jacket		\$388.6
				Installation	on	Quantity 38.00	×	Unit Price 7.42	x	Factor 1.3784	Total 388.65	
79	22 07 19	00 0018	0144	MOD	For Single L	ayer Of Fel	t Finish, A	\dd				\$7.72
				Installation	on	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" Th	ick, Fiber	glass Insulation \	Vith All S	ervice Jacket (ASJ)		\$449.25
				Installation	on	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 L	ayer Of Fel	t Finish, A	\dd	***************************************			\$9.70
				Installatio	on	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" Diam (ASJ)	eter Pipe, 1	" Thick, F		on With A	All Service Jacket		\$530.59
				Installatio		Quantity 47.00	×	Unit Price 8.19	x	Factor = 1.3784	Total 530.59	

Work Order Number:

050068.01

Work Order Title:

-	Sect.	Item	Modifer	UOM	Description	1	######################################					Line Tota
abor	Equip.	Material	(Excluded	if marked	with an X	-						
OR	11											
83	22 07 19	9 00 0020	0144	MOD	For Single	Layer Of Fe	it Finish,	Add				\$12.24
						Quantity		Unit Price		Factor	Total	
				Installati	ion	37.00	Χ	0.24	X	1.3784 =	12.24	
84	22 07 19	00 0021		LF	3" Diamete	er Pipe, 1" Tl	ılck, Fibe	rglass Insulation	With All S	ervice Jacket (ASJ)		\$1,096.93
		1		lastallati	i.a.m.	Quantity		Unit Price		Factor	Total	
				Installati		92.00	Х	8.65	X	1.3784	1,096.93	
				2 5/8 an								
85	22 07 19	9 00 0021	0144	MOD	For Single	Layer Of Fe	It Finish,	Add				\$30.52
				Installatí	ínn	Quantity		Unit Price		Factor	Total 30.52	
						82.00	Х	0.27	X	1.3784	30,32	
86	22 07 19	9 00 0034		LF	2" Diamete (ASJ)	er Pipe, 1-1/2	:" Thick, F	Fiberglass Insulat	ion With /	All Service Jacket		\$1,029.20
				Installati	lon	Quantity	V	Unit Price	.,	Factor	Total 1,029.20	
A 114						74.00	X	10,09	X	1.3784	1,025.20	
87	22 07 19	00 0034	0144	MOD	For Single	Layer Of Fe	it Finish, .					\$29.00
				Installati	ion	Quantity	v	Unit Price	v	Factor	Total 29.03	
	00 07 46					54.00	X	0.39	X	1.3784	23.00	
88	22 07 19	00 0036		LF	3" Diamete (ASJ)	er Pipe, 1-1/2	:" Thick, F	Fiberglass Insulat	ion With /	All Service Jacket		\$1,490.1
				Installati	ion	Quantity		Unit Price		Factor	Total 1,490.16	
	~~ ~~ .~					99.00	X	10.92	X	1,3784	1,400.10	
89	22 07 19	00 0036	0144	MOD	For Single	Layer Of Fe	it Finish, i	Add				\$60.0
				Installati	ion	Quantity	x	Unit Price	x	Factor = 1.3784	Total 60.04	
00	22.07.40	00.0007				99.00		0.44				
90	22 07 19	# 00 0037		LF	4" Diamete (ASJ)		." Thick, F		ion With A	All Service Jacket		\$99.8
				Installati	ion	Quantity 6.00	x	Unit Price	x	Factor 1.3784	Total 99.82	
91	22 07 19	00.0027	0144	MOD	For Cinale			12.07	^	1.3784		
<i>3</i> !	22 07 18	00 0037	0144	MOD	ror Single	Layer Of Fe	t rinish, i			 .		\$4.1
				Installati	on	Quantity 6.00	х	Unit Price 0.50	x	Factor 1.3784	Total 4.14	
92	22 07 19	00.0038		LF	6# Diameta					All Service Jacket		te tan an
-	LL 07 10			ш.	(ASJ)	ii Pipe, 1-1/2	. THEK, F	-ibergiass irisulat	ION VVIIII A	di gervice jacker		\$57.7
						Quantity		Unit Price		Factor	Total	
				Installati	on	3.00	X	13.97	×	1.3784 =	57.77	
93	22 07 19	00 0038	0144	MOD	For Single	Layer Of Fe	t Finish,	Add .				\$2.4
				5 # FF		Quantity		Unit Price		Factor	Total	
				Installati	on	3.00	Х	0.58	×	1.3784 =	2.40	
94	22 07 19	00 1075		EA	1-3/4" ID, F	Polyvinyl Chl	oride (PV	C) 90 Degree Elt	oow Insula	ation Jacketing		\$270.94
				Installati	on	Quantity		Unit Price		Factor	Total	
				Installation	UIT	24.00	Х	8.19	X	1.3784 =	270.94	
95	22 07 19	00 1076		EA	2" ID, Polys	vinyl Chlorid	a (PVC) 9	30 Degree Elbow	Insulation	Jacketing		\$297.05
				Inotallad	on	Quantity		Unit Price		Factor	Total	
				Installation	O11	25.00	X	8.62	X	1.3784	297.05	

Work Order Number:

050068.01

Work Order Title:

	Sect.	Item	Modifer	UOM	Description							Line Total
Labor	Equip.	Material	(Excluded	if marked	with an X							19/2 1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
COR	11											
96	22 07 19	9 00 1080		EA	3" ID, Polyvi	inyl Chlorid	e (PVC)	90 Degree Elbov	v Insulatio	n Jacketing		\$263.83
					,,	Quantity		Unit Price		Factor	Total	
				Installat		20.00	Х	9.57	X	1.3784	263.83	
97	22 07 19	9 00 1083		EA	4-1/8" ID, Po	olyvinyl Chl	oride (P	VC) 90 Degree E	lbow Insu	lation Jacketing		\$15.08
				Installat	tion	Quantity	V	Unit Price	V	Factor	Total 15.08	
98	22 07 16	9 00 1103		EA	4 27/// 10 .0.	1.00	X	10.94	X	1.3704	10.00	
90	22 Q1 18	9 00 1103		EA	1-3/4" ID, PC		onae (P	VC) 45 Degree E	lbow Insu			\$530.59
				Installat	tion	Quantity 47.00	х	Unit Price 8.19	x	Factor 1.3784 =	Total 530.59	
99	22 07 19	9 00 1104		EA	2" ID. Polyvi		e (PVC)	45 Degree Elbov				\$59.41
						Quantity	(, ,)	Unit Price	177011701010	Factor	Total	φυσ.41
				Installat	ion	5.00	Х	8.62	х	1.3784	59.41	
100	22 07 19	9 00 1108		EA	3" ID, Polyvi	nyl Chloride	e (PVC)	45 Degree Elbov	Insulatio	n Jacketing		\$65.96
						Quantity		Unit Price		Factor	Total	
				Installat	ion	5.00	х	9.57	×	1.3784 =	65.96	
101	33 31 11	00 0371		EA	4" Diameter	x 4" Hub T	ee Cast	Iron Service Sad	dles With	U Bolt		\$2,977.07
				Installat		Quantity		Unit Price		Factor	Total	
						20.00	X	107.99	Х	1.3784	2,977.07	
				New na	ingers at Insula	ation replace	ement					WWW
Subto	otal for CC	DR 11										\$15,752.31
	04											
Labor	Sect. Equip.	Item Material	Modifer (Excluded	UOM f marked	Description		05011-1000					Line Total
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Exolution)	THO RCO	WIGH GIT A							
COR									·····		*****	
102	27 14 13	16 0532		MLF				elded, Non-Plenu				-\$4,203.55
						mmunicatio Quantity	ns And	Control Cable, In: Unit Price	stalled Ex	posed Factor	Total	
				Installat		-3.00	х	1,016.53	x	1.3784	-4,203.55	
				PA Spe	akers eliminate	èd						
103	27 51 33	00 0019		EA	PA Speakers	s, Ceiling S	peaker,	7-1/2" Diameter \	Vith 4" Sp	eaker Area, Vinyl		-\$7,741.92
					Clad Round		}	May Date		ر سو		
				Installat	ion	Quantity -60.00	х	Unit Price 93.61	x	Factor 1.3784	Total -7,741.92	
				PA Spe	akers eliminate			00.01		1.0704		
Carlota	4-15 00	\D 40				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Subto	otal for CC	JK 12										-\$11,945.47
	Sect.	Item	Modifer	UOM	Description							Line Total
Labor	Equip,	Material	(Excluded i	f marked	The state of the s	(Communication in the Section 2015			***************************************	***************************************
COR	13		,									
104	09 22 16	13 0010		SF	2 5/Q" \ARJEL	16" 0~ 0-	rator 00	Causa Manter	d Daniel	Non Observer		M 404.4m
		.0 0010		Ų.				l Gauge, Non Loa s And Runners	a peannô	, NOR Structural		\$101.45
						Quantity		Unit Price		Factor	Total	
				Installati	on	40.00	Χ	1.84	X	1.3784 =	101.45	

Work Order Number:

050068.01

Work Order Title:

Duluth Public Schools Rockridge School Renovation Supplemental 1

	Sect.	ltem	Modifer	UOM	Descriptio	n					50.00000000000000000000000000000000000	Line Total
abor	Equip.	Material	(Excluded	if marked	with an X							
OR	13		í									
105	09 22 16	13 0010	0002	MOD	For Soffit,	Columns Or	Beams	Jp To 10' High, A	dd			\$54.03
						Quantity		Unit Price		Factor	Total	
				Installat	on	40.00	Х	0.98	×	1.3784 =	54.03	
106	09 22 16	13 0010	0007	MOD	For 12" O	n Center, Add	ł					\$17.64
				14.11.41		Quantity		Unit Price		Factor	Total	
				Installati	on	40.00	X	0.32	X	1.3784	17.64	
107	09 29 00	00 0013		SF	5/8" Type	X Fire Rated	Gypsun	n Board				\$56.79
				Installati	on	Quantity		Unit Price		Factor	Total	
				matanan		40.00	X	1.03	×	1.3784	56.79	
108	09 29 00	00 0013	0038	MOD	For Times	When The S	hortest	Distance From Co	rner to Co	orner Is <3', Add		\$19.85
				Installati	on	Quantity		Unit Price		Factor	Total	
						40.00	Х	0.36	X	1.3784 =	19.85	
109	09 29 00	00 0056		SF	Up To 10'	High, Walls,	Tape, S	packle And Finish	Gypsum I	Board	•	\$47.42
				Installati	on	Quantity		Unit Price		Factor	Total	
						80.00	Х	0.43	Х	1.3784	47.42	
110	09 29 00	00 0056	0041	MOD	For Up To	128, Add						\$17.64
				Installati	on	Quantity		Unit Price		Factor =	Total 17.64	
						80.00	Х	0.16	Х	1.3784	17.04	
111	09 29 00	00 0063		LF	existing wa		l Camaa	- T CId-	A - d Mining	. O D		
111	09 29 00	- 00 0002		L.F	up 10 10		Corner	s, Tape, Spackle	And Finisi			\$36.80
				Installati	on	Quantity 30.00	x	Unit Price 0.89	X	Factor 1.3784	Total 36.80	
112	09 29 00	00.0186		LF	1"P Alumi			side Corner For G				*
	00 20 00	00 0,00		Li	i IV, Albiiii		nis, out		уранн БС		T	\$46.04
				Installati	on	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. A		nısions	Inside Corner Fo	Gyneum			£140 E0
	20 43	44 02.14		2.1	1 112 11,1	Quantity	10310110,	Unit Price	Сурация	Factor	Total	\$113.58
				Installati	on	20.00	x	4.12	×	1.3784	113.58	
114	09 91 23	00 0064		SF	Paint Inter	ior Plaster/Dr	wall W	alls, 2 Coats Pain	. Brush/R			\$106.96
						Quantity	,	Unit Price	, =	Factor	Total	ψ 100.30
				Installati	on	80.00	Х	0.97	×	1.3784 =	106.96	
115	09 91 23	00 0064	0282	MOD	For Up To	100, Add						\$67.27
					,	Quantity		Unit Price		Factor	Total	Ψ07,21
				Installati	on	80.00	х	0.61	x	1.3784	67.27	
116	22 05 76	00 0020		EA	11-1/4" Dia	ameter Wall (Cover Fo	r Cleanout, Screv	/ed			- \$192.19
						Quantity		Unit Price		Factor	Total	Ţ.52.10
				Installati	on	1.00	x	139.43	x	1.3784 =	192.19	
117	22 05 76	00 0020	0220	MOD	For Stainle	ess Steel, Add	1				·	\$12.41
						Quantity		Unit Price		Factor	Total	
				Installati	on	1.00	Х	9.00	х	1.3784 =	12.41	

Subtotal for COR 13

\$890.07

Work Order Number:

050068.01

Work Order Title:

	Sect.	item	Modifer	UOM	Description	n							Line Total
Labor	Equip.	Material	(Excluded	if marked	with an X								
COR	14												
118	09 01 20	91 0006		SF	See CSI s			fole In Drywall To 001 for "Gypsum I Unit Price			ion.	Total	\$1,027.94
				Installat		95.00	Х	7.85	X	1.3784	=	1,027.94	
			····		Display Case							······	
119	09 29 00	00 0056		SF	Up To 10'	High, Walls,	Tape, S	packle And Finish	Gypsum	Board			\$56.31
				Installat	tion	Quantity 95.00	х	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
				Installat	tion	Quantity 85.00	x	Unit Price 0.16	x	Factor 1.3784		Total 18.75	
121	09 91 23	00 0064		SF	Paint Interi	ior Plaster/Di	ywall W	alls, 2 Coats Paln	t, Brush/R	oller Work			\$334.26
				Installat	tion	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 T	°o 250, Add				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$99.93
				Installat		Quantity 250.00	х	Unit Price 0.29	×	Factor 1.3784	=	Total 99.93	φοσ.σα
Subto	otal for CC)R 14											\$1,537.19
oos evertoone	Sect.	ltem	Modifer	UOM	Description	1							Line Total
abor	Equip.	Material											
		Material	(Excluded i	if marked	with an X								
COR		waterrar	(Excluded i	if marked	with an X	<u></u>							
COR -			(Excluded i	EA		72" Two Tie	r Institut	ional Or Corridor	_ocker				-\$14.834.62
123	15		(Excluded i	EA	12" x 12" x	72" Two Tie	r Institut	ional Or Corridor Unit Price	ocker	Factor		Total	-\$14,834.62
	15		(Excluded i		12" x 12" x		r Institut x		Locker X	Factor 1.3784		Total -14,834.62	-\$14,834.62
	15	00 0021	0127	EA	12" x 12" x ion	Quantity	X	Unit Price			-		-\$14,834.62 -\$1,305.90
123	15 10 51 13	00 0021		EA Installati	12" x 12" x ion For 14 Gat	Quantity -60.00	X	Unit Price					
123	15 10 51 13	00 0021		EA Installati MOD	12" x 12" x ion For 14 Gat ion	Quantity -60.00 uge Doors, A Quantity	x dd x	Unit Price 179.37 Unit Price 15.79	X	1.3784 Factor		-14,834.62 Total	
123	10 51 13 10 51 13	00 0021		EA Installati MOD Installati	12" x 12" x ion For 14 Gat ion 12" Deep x	Quantity -60.00 uge Doors, A Quantity -60.00	x dd x	Unit Price 179.37 Unit Price 15.79	X	1.3784 Factor		-14,834.62 Total	-\$1,305.90
123	10 51 13 10 51 13	00 0021		EA Installati MOD Installati	12" x 12" x ion For 14 Gat ion 12" Deep x ion	Quantity -60.00 uge Doors, A Quantity -60.00 72" High, 16 Quantity	x dd x Gauge	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price	×	1.3784 Factor 1.3784		-14,834.62 Total -1,305.90	-\$1,305.90
123 124 125	10 51 13 10 51 13 10 51 13	00 0021		EA Installati MOD Installati EA Installati	12" x 12" x ion For 14 Gat ion 12" Deep x ion Built In Cor	Quantity -60.00 uge Doors, A Quantity -60.00 c 72" High, 16 Quantity -2.00	x dd x Gauge	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53	×	1.3784 Factor 1.3784 Factor 1.3784		-14,834.62 Total -1,305.90	-\$1,305.90 -\$111.73
123 124 125	10 51 13 10 51 13 10 51 13	00 0021 00 0021 00 0211 00 0240		EA Installati MOD Installati EA Installati	12" x 12" x fon For 14 Gat fon 12" Deep x ion Built In Cor	Quantity -60.00 uge Doors, A Quantity -60.00 72" High, 16 Quantity -2.00 mbination Lo Quantity -120.00	x dd x S Gauge x ck	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53	x x x	1.3784 Factor 1.3784 Factor 1.3784		-14,834.62 Total -1,305.90 Total -111.73	-\$1,305.90 -\$111.73 -\$3,973.10
123 124 125 126	10 51 13 10 51 13 10 51 13	00 0021 00 0021 00 0211 00 0240		EA Installati MOD Installati EA Installati	12" x 12" x fon For 14 Gat fon 12" Deep x ion Built In Cor fon 12" x 15" x	Quantity -60.00 uge Doors, A Quantity -60.00 72" High, 16 Quantity -2.00 mbination Lo Quantity -120.00	x dd x S Gauge x ck	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53 Unit Price 24.02 Ided Steel Locker Unit Price	x x x	Factor 1.3784 Factor 1.3784 Factor 1.3784 Factor 1.3784	=	-14,834.62 Total -1,305.90 Total -111.73	-\$1,305.90 -\$111.73
123 124 125 126	10 51 13 10 51 13 10 51 13	00 0021 00 0021 00 0211 00 0240		EA Installati MOD Installati EA Installati EA Installati	12" x 12" x ion For 14 Gat ion 12" Deep x ion Built In Cor ion 12" x 15" x	Quantity -60.00 uge Doors, A Quantity -60.00 c 72" High, 16 Quantity -2.00 mbination Lo Quantity -120.00 60" Two Tie Quantity	x dd x S Gauge x ck x r, All-We	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53 Unit Price 24.02	x x x x	1.3784 Factor 1.3784 Factor 1.3784 Factor 1.3784	=	-14,834.62 Total -1,305.90 Total -111.73 Total -3,973.10	-\$1,305.90 -\$111.73 -\$3,973.10 \$23,517.01
123 124 125 126	10 51 13 10 51 13 10 51 13 10 51 13	00 0021 00 0021 00 0211 00 0240	0127	EA Installati MOD Installati EA Installati EA Installati	12" x 12" x ion For 14 Gat ion 12" Deep x ion Built In Cor ion 12" x 15" x ion For >50 To	Quantity -60.00 uge Doors, A Quantity -60.00 172" High, 16 Quantity -2.00 mbination Lo Quantity -120.00 60" Two Tie Quantity 61.00	x dd x S Gauge x ck x r, All-We	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53 Unit Price 24.02 Ided Steel Locker Unit Price	x x x x	Factor 1.3784 Factor 1.3784 Factor 1.3784 Factor 1.3784 Factor 1.3784	=	-14,834.62 Total -1,305.90 Total -111.73 Total -3,973.10	-\$1,305.90 -\$111.73 -\$3,973.10
123 124 125 126	10 51 13 10 51 13 10 51 13 10 51 13	00 0021 00 0021 00 0211 00 0240 00 0271	0127	EA Installati MOD Installati EA Installati EA Installati EA Installati MOD	12" x 12" x ion For 14 Gat ion 12" Deep x ion Built In Cor ion 12" x 15" x ion For >50 To ion	Quantity -60.00 uge Doors, A Quantity -60.00 to 72" High, 16 Quantity -2.00 mbination Lo Quantity -120.00 60" Two Tie Quantity 61.00 100, Deduct Quantity	x ddd x 6 Gauge x ck x r, All-We	Unit Price 179.37 Unit Price 15.79 End Panel Unit Price 40.53 Unit Price 24.02 Ided Steel Locker Unit Price 279.69 Unit Price -26.81	x x x	Factor 1.3784 Factor 1.3784 Factor 1.3784 Factor 1.3784	=	-14,834.62 Total -1,305.90 Total -111.73 Total -3,973.10 Total 23,517.01	-\$1,305.90 -\$111.73 -\$3,973.10 \$23,517.01

Work Order Number:

050068.01

Work Order Title:

	Sect.	item	Modifer	UOM	Descriptio	n						Line Tota
abor	Equip.	Material	(Excluded	if marked	with an X		,					
OR	15											
130	10 51 13	00 0299		ΕA	Solid Boxe	ed End Pane	For 15" I	Deep All Welded	Lockers	***************************************		\$2,023.4
						Quantity		Unit Price		Factor	Total	. ,
				Installat	ion	12.00	×	122.33	×	1.3784		
131	10 51 13	00 0300		EA	Recessed	Trim For All	Welded L	ockers	•			\$6,244.8
						Quantity		Unit Price		Factor	Total	
				Installati	ion	61.00	×	74.27	×	1.3784		
132	10 51 13	00 0301		EA	Built In Co	mbination Lo	ock For Al	l Welded Lockers	······································		<u></u>	\$4,039.3
						Quantity		Unit Price		Factor	Total	
				Installati	ion	122.00	Х	24.02	X	1.3784	4,039.32	
uhte	tal for CC	\D 15										\$13,344.
4000	J. G. 101 GC	AK 13										φ13,3 44 .
	Sect.	Item	Modifer	UOM	Description	n						Line Tot
abor	Equip.	Material	(Excluded	if marked	with an X							
OR	16											
133	07 22 16	00 0184		SF	Demolish :	>5" To 6" Av	erage Thi	ckness, Rigid Bo	ard Roofir	a Inculation		\$220.5
				-	D OTTIONOTT	Quantity	orago ini	Unit Price	ara rroom	Factor	Total	\$220.5
				Installati	on	500.00	×	0.32	x	1.3784		
				Roof De	emo							
134	07 53 23	00 0012		SQ	60 Mil, Sin	gle Ply Ethyl	ene Prop	ylene Diene Mon	omer (EP	DM) Roofina		\$1,282.5
								iedIncludes faste		, · · · · · · · · · · · · · · · · · · ·		, ,
				Installati	on	Quantity		Unit Price		Factor	Total	
						5.00	Х	154.37	X	1.3784	1,063.92	
				Demoliti Roof Pa		5.00	×	31.72	×	1.3784 =	218.61	
135	07 53 23	00 0012	0102	MOD	For Up To	10, Add						\$182.8
					,	Quantity		Unit Price		Factor	Total	ψ (02.0
				Installati	on	5.00	×	26.53	×	1.3784	182.84	
				Patching	g							
136	07 53 23	00 0012	0107	MOD	For Low SI	ope Fire Rat	ed, Add					\$29.7
			•			Quantity		Unit Price		Factor	Total	
				Installati	on	5.00	×	4.32	×	1.3784	29.77	
				Sloped,	but not fire n	ated						
137	07 53 23	00 0020		EA				ene Propylene Di				\$1,336.3
								ching the pocket t				
					arouno ine	Quantity	ano niing	the pocket with Unit Price	pourable :	sealer. Factor	Total	
				Installati	on	12.00	×	80.79	×	1.3784	1,336.33	
138	07 53 23	00 0022		SF	Ethylene P	ropylene Die	ne Mono	mer (EPDM) Mer	nbrane Ba			\$220.5
130					·	Quantity		Unit Price		Factor	Total	Ψ
130				Installatio	on	50.00	x	3.20	x	1.3784	220.54	
130												
	07 53 23	00 0023		SF			ne Mono	mer (EPDM) Mer	nbrane Ci	urb Flashing		\$272.9
139	07 53 23	00 0023		· · · · · · · · · · · · · · · · · · ·	Ethylene P		ne Mono	mer (EPDM) Mer Unit Price	nbrane Ci	urb Flashing Factor	Total	\$272.9

Work Order Number:

050068.01

Work Order Title:

Duluth Public Schools Rockridge School Renovation Supplemental 1

	Sect.	item	Modifer	иом	Description						Line Total
Labor	Equip.	Material	(Excluded	if marked	with an X						
COR	17										
140	01 22 16	00 0002		EA	Reimbursable FeesReir costs. The base cost of quantity to adjust the ba of 125 = \$125.00 Reimblist each one separately Reimbursable Fee (e.g. warrantee, expedited should be submitted with the Price	the Reim se cost to oursable F and add a sidewalk sipping cos	bursable Fee is the actual Rein ee). If there are a comment in the closure, road custs, etc.). A copy	\$1.00. In nbursable multiple I e "note" I it, various	sert the appropriate a Fee (e.g. quantity Reimbursable Fees, block to identify the s permits, extended	N .	-\$13,195.08
				Installatio	Quantity on -13,195.08	х	Unit Price 1.00	X	Factor 1.0000 =	Total -13,195.08	
				Permit F	ee Paid by District						

Subtotal for COR 17 -\$13,195.08

	Sect.	Item	Modifer	UOM	Description							Line Total
abor	Equip.	Material	(Excluded	if marked	with an X							
COR :	20							***************************************				
141	23 07 13	00 0014		SF	1-1/2" Type	150 (1.5 Li	3/CF) FS	K Fiber Glass Du	ct Wrap II	nsulation	·····	\$14,360.02
				Installat	tion	Quantity 2,793.00	x	Unit Price 3.73	x	Factor = 1.3784	Total 14,360.02	
				Duct In	sulation							
142	23 07 13	00 0014	0499	MOD	For Work In	Restricted	Working	Space, Add				\$3,426.39
				Installat	ilon	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 RCG06)	Round Lov	v Leakag	e Volume Contro	Damper	(Johnson Controls		\$1,265.74
				Installat	ion	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 RCG08)	Round Lov	v Leakag	e Volume Contro	Damper	(Johnson Controls		\$1,266.36
				Installat	ion	Quantity 9.00	×	Unit Price 102.08	×	Factor 1.3784	Total 1,266.36	
145	23 09 23	00 1016		EA	10" Diamete RCG10)	er Round Lo	w Leaka	ge Volume Contr	ol Dampe	r (Johnson Cantrols		\$294.78
				installat	ion	Quantity 2.00	х	Unit Price 106.93	x	Factor 1.3784	Total 294.78	
146	23 09 23	00 1017		EA	12" Diamete RCG12)	er Round Lo	w Leaka	ge Volume Contro	ol Dampe	r (Johnson Controls		\$466.99
				Installat	ion	Quantity 3.00	x	Unit Price 112.93	x	Factor 1,3784 =	Total 466.99	
147	23 09 23	00 1018		EA	14" Diamete RCG14)	r Round Lo	w Leaka	ge Volume Contro	ol Dampe	r (Johnson Controls		\$180.46
				Installat	ion	Quantity 1.00	х	Unit Price 130.92	х	Factor = 1.3784	Total 180.46	
148	23 31 13	13 0006		LB	Sheet Metal Assemble A		Low Pres	ssure, Shop Fabri	cated, Ga	alvanized, Field		\$9,291.79
				Installati	ion.	Quantity 1,605.00	X	Unit Price 4.20	x	Factor 1.3784	Total 9,291.79	

Work Order Number:

050068.01

Work Order Title:

	Sect.		Item	Modifer	UOM	Description)	——————————————————————————————————————					Line Total
abor	Equi	p.	Material	(Excluded	if marked	l with an X							
OR	20				· · · · · · · · · · · · · · · · · · ·								
149	23 31	13	13 0006	0143	MOD	For >1,000	To 2,000, A	ďď				Adm. 18	\$862.81
							Quantity		Unit Price		Factor	Total	,
					Installat	tion	1,605.00	x	0.39	×	1.3784	862.81	
150	23 31	13	13 0006	0153	MOD	For Work Is	n Restricted	Working	Space, Add				\$1,637.13
								· · · · · · · · · · · · · · · · · · ·	Unit Price		Fastan	7.4.1	φ1,037.13
					Installat	tíon	Quantity 1,605.00	х	0.74	x	Factor 1.3784	Total 1,637.13	
151	23 31	13	16 0005		LF	01.00.0	-						40.747.00
101	20 01	10	10 0003		LI		ge, Factory : al Round Du		a, Field Installed,	Low Pres	sure, Galvanized		\$2,547.28
						Officer Wiete	Quantity	Ot.	Unit Price		Factor	Total	
					Installat	tion	352.00	×	5.25	x	1.3784	2,547.28	
152	23 31	13	16 0007		LF	8" 26 Gau	ne Factory I	Eahricate	d Field Installed	Low Proc	sure, Galvanized		\$489.28
							al Round Du		a, ricia matanca,	LOWITE	saire, Galvariized		ψ~τυσ.20
							Quantity		Unit Price		Factor	Total	
					Installat	tion	51.00	x	6.96	x	1.3784 =	489.28	
153	23 31	13	16 0008		LF	10", 26 Gau	uge, Factory	Fabricat	ed, Field Installed	i, Low Pre	ssure, Galvanized		\$116.34
							al Round Du						
					Installat	Hon	Quantity		Unit Price		Factor	Total	
					mstanat	JOH	10.00	X	8.44	Х	1,3784	116.34	
154	23 31	13	16 0009		LF	12", 26 Gau	uge, Factory	Fabricat	ed, Field Installed	d, Low Pre	ssure, Galvanized		\$461.82
						Sheet Meta	I Round Du	ct					
					Installat	ion	Quantity	v	Unit Price	.,	Factor	Total 461.82	
4	00.01						32.00	X	10.47	X	1.3784	701,02	
155	23 31	13	16 0010		LF				ed, Field Installed	d, Low Pre	ssure, Galvanized		\$420.80
						Sheet Meta	I Round Du	ct	Line Park		- ,	· ·	
					Installat	ion	Quantity 24.00	x	Unit Price 12.72	Χ	Factor 1.3784	Total 420.80	
156	23 31	12	16 0011		LF	101 00 0							
150	23 31	10	10 00 11		LF				ed, Field Installed	I, Low Pre	ssure, Galvanized		\$439.16
						Olider Mera	I Round Due Quantity	A	Unit Price		Factor	Total	
					Installat	ion	18.00	x	17.70	х	1.3784	439.16	
157	23 31	13	16 0029		EA	6# 16 Co.u		- alawia ata		1 D	sure, Galvanized		\$4.000.0E
		,					l Round 90			LOW Pies	sure, Garvanized		\$1,230.65
							Quantity	35g.00 L	Unit Price		Factor	Total	
					Installati	ion	37.00	×	24.13	×	1.3784 =	1,230.65	
158	23 31	13	16 0029	0123	MOD	For 24 Gau	ge, Add						\$53.04
							Quantity		Unit Price		Factor	Total	₩00.5T
					Installati	ion	37.00	x	1.04	х	1.3784	53.04	
159	23 31	13	16 0031		EA	8* 26 Gauc	re Factory F	chricoto		Low Proc	sure, Galvanized		\$565.03
						Sheet Meta				LUW FIES	sure, Gaivanizeu		Ф000.03
							Quantity	g	Unit Price		Factor	Total	
					Installati	ion	12.00	x	34.16	x	1.3784 =	565.03	
160	23 31	13	16 0032		EA	10", 26 Gau	ige, Factory	Fabricate	ed. Field Installed	l. Low Pre	ssure, Galvanized		\$191.96
						Sheet Meta					,		ţ.ooo
							Quantity	-	Unit Price		Factor	Total	
					Installati	ion	3.00	x	46.42	x	1.3784	191.96	

Work Order Number:

050068.01

Work Order Title:

Market Services	Sect.	Item	Modifer UOM	Description	1						Line Total
_abor	Equip.	Material	(Excluded if marked	with an X							
OR	20				***************************************						
161	23 31 13	3 16 0033	EA		uge, Factory al Round 90 I			d, Low Pr	essure, Galvanized		\$185.53
			Installat		Quantity 2.00	x	Unit Price 67.30	x	Factor 1.3784	Total 185.53	
162	23 31 13	3 16 0041	EA		ge, Factory F	abricate	d, Field Installed,		ssure, Galvanized		\$29.93
				Sneet Meta	I Round 45 I Quantity	Jegree E	Unit Price		Factor	Total	
			Installat	ion	1.00	X	21,71	x	1.3784	29.93	
163	23 31 13	3 16 0043	EA		ge, Factory F al Round 45 (Low Pre	ssure, Galvanized		\$87.20
			Installat		Quantity		Unit Price		Factor	Total	
					2.00	X	31.63	X	1.3784	87.20	
164	23 31 13	3 16 0045	EA		uge, Factory Il Round 45 I			d, Low Pr	essure, Galvanized		\$260.60
			Installat	ion	Quantity	v	Unit Price		Factor	Total 260.60	
105	00 04 40	10.0057	F- A		3,00	X	63.02	×	1.3784	200.00	
165	23 31 13	16 0057	EA		Round Tee			d, Low Pro	essure, Galvanized		\$2,824.34
			Installat	ion	Quantity 20.00	x	Unit Price 102.45	x	Factor 1.3784	Total 2,824.34	
166	23 31 13	16 0057	EA		ge, Factory	Fabricate			essure, Galvanized		\$564.87
				Sheet Meta	I Round Tee Quantity		Unit Price		Factor	Total	
			Installat	ion	4.00	Χ.	102.45	x	1.3784	564.87	
167	23 31 13	16 0058	EA		ige, Factory I Round Tee		ed, Field Installed	d, Low Pre	essure, Galvanized		\$1,839.63
					Quantity		Unit Price		Factor	Total	
			Installat	ion	9.00	Х	148.29	Х	1.3784 =	1,839.63	
168	23 31 13	16 0059	EA		ige, Factory I Round Tee		ed, Field Installed	d, Low Pre	essure, Galvanized		\$1,877.08
			Installat	ìon	Quantity	14	Unit Price		Factor	Total 1,877.08	
400		10.000			7.00	Х	194.54	X	1.3784	1,077.00	
169	23 31 13	16 0065	EA		Round Con			Low Pres	ssure, Galvanized		\$433.70
			Installat	ion	Quantity 24.00	×	Unit Price 13.11	x	Factor 1.3784 =	Total 433.70	
70	23 31 13	16 0067	EA		je, Factory F	abricated			ssure, Galvanized		\$127.53
				Sheet Meta	Round Con Quantity	nector	Unit Price		Factor	Total	
			Installati	on	6.00	х	15.42	х	1.3784	127.53	
171	23 31 13	16 0068	EA		ige, Factory		ed, Field Installed	I, Low Pre	essure, Galvanized		\$105.20
					Quantity	.,,	Unit Price		Factor	Total	
			Installati	on	4.00	x	19,08	Х	1.3784	105.20	
72	23 31 13	16 0069	EA		ige, Factory Round Con		ed, Field Installed	I, Low Pre	essure, Galvanized		\$210.32
			Inntallati	on	Quantity		Unit Price		Factor	Total	
	***************************************		Installati 	OI!	6.00	X	25.43	Х	1.3784	210.32	

Work Order Number:

050068.01

Work Order Title:

	Sect.	ltem	Modifer UOM	Description							Line Total
abor	Equip.	Material	(Excluded if marked	I with an X				***************************************			
OR :	20										
173	23 31 10	3 16 0070	, EA	14", 26 Gau Sheet Meta			ed, Field Installed	d, Low Pre	essure, Galvanized		\$321.33
			Installa	tion	Quantity 8.00	x	Unit Price 29.14	×	Factor 1.3784	Total 321.33	
174	23 31 13	3 16 0071	EA	16", 26 Gau Sheet Metal			ed, Field Installed	d, Low Pre	essure, Galvanized		\$310.21
			Installa	tion	Quantity 7.00	x	Unit Price 32.15	x	Factor 1.3784	Total 310.21	
175	23 31 13	3 16 0143	EA	12" x 10" 26	Gauge, Sli	p Joint, (Salvanized, Spira	I Duct Re	ducer		\$547.06
			Installat	tion	Quantity 4.00	x	Unit Price 99.22	x	Factor = 1.3784	Total 547.06	
176	23 31 13	3 16 0144	EA	14" x 12" 26	Gauge, Sli	p Joint, (Salvanized, Spira	Duct Re	ducer		\$2,394.45
			Installat	tion	Quantity 16.00	×	Unit Price 108.57	x	Factor 1.3784 =	Total 2,394.45	
177	23 31 13	3 16 0167	EA	12" 26 Gaug	ge, Slíp Join	t, Galvar	nized, Spiral Duct	Сар		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$70.90
			Installat	tion	Quantity 1.00	x	Unit Price 51.44	x	Factor 1.3784 =	Total 70.90	
178	23 31 13	16 0168	EA	14" 26 Gauç	ge, Slip Join	t, Galvar	nized, Spiral Duct	Сар			\$77.48
			Installat	iion	Quantity 1.00	x	Unit Price 56.21	x	Factor 1.3784	Total 77.48	
179	23 31 13	16 0169	EA	16" 26 Gaug	ge, Slip Join	t, Galvar	nized, Spiral Duct	Сар			\$89.66
			Installat	ion	Quantity 1.00	×	Unit Price 65.05	x	Factor 1,3784	Total 89.66	
180	23 33 46	00 0004	LF	6" Diameter Metallized C		ct, R4.2	Insulated With Po	olyester In	ner Liner And		\$1,515.07
			Installat	ion	Quantity 247.00	×	Unit Price 4.45	x	Factor 1.3784	Total 1,515.07	
181	23 33 46	00 0006	LF	8" Diameter Metallized C			Insulated With Po	olyester In	ner Liner And		\$1,006.34
			Installat		Quantity 117.00	х	Unit Price 6.24	х	Factor 1.3784 =	Total 1,006.34	
182	23 33 46	00 0007	LF	10" Diamete Metallized C			2 Insulated With F	Polyester I	nner Liner And		\$316.99
			Installat		Quantity 29.00	x	Unit Price 7.93	x	Factor = 1.3784	Total 316.99	
183	23 33 46	8000 00	LF	12" Diamete Metallized C		uct, R4.2	2 Insulated With F	Polyester I	nner Liner And		\$74.16
			Installat		Quantity 5.00	x	Unit Price 10.76	X	Factor 1.3784 =	Total 74.16	
184	23 33 46	00 0009	LF	14" Diamete Metallized O		uct, R4.2	2 Insulated With F	olyester i			\$237.07
			Instaliat		Quantity 13,00	×	Unit Price 13.23	x	Factor = 1.3784	Total 237.07	
185	23 33 46	00 0016	EA	6" Diameter		ct Collar	, Spin In Type, St	reet Metal			\$1,343.69
			Installat		Quantity 33.00	×	Unit Price 29.54	x	Factor = 1.3784	Total 1,343.69	

Work Order Number:

050068.01

Work Order Title:

Duluth Public Schools Rockridge School Renovation Supplemental 1

		ect.		ltem	Modifer		cription			ara-2000			Line Tota
bor		Equi	ip.	Material	(Excluded	if marked with	an X						
OR 2	20												
186	23	33	46	00 0018		EA 8"1	Diameter Flexible Di	uct Colla	r, Spin In Type, S	heet Met	al, With Damper		\$55.1
						Installation	Quantity		Unit Price		Factor	Total	
						Installation	1.00	Χ.	39.98	Х	1.3784 =	55.11	
187	23	33	46	00 0019		EA 10"	Diameter Flexible [Juct Coll:	ar, Spin In Type,	Sheet Me	etal, With Damper		\$64.8
						Installation	Quantity		Unit Price		Factor	Total	
					***************************************	Installation	1.00	X	47.04	X	1.3784 =	64.84	
188	23	33	46	00 0020		EA 12"	Diameter Flexible [Juct Coll:	ar, Spin In Type,	Sheet Me	etal, With Damper		\$73.3
						inatellatia.	Quantity		Unit Price		Factor	Total	
						Installation	1.00	X	53.23	Х	1.3784	73.37	
189	23	33	46	00 0021		EA 14"	Diameter Flexible D	Ouct Coll:	ar, Spin In Type,	Sheet Me	etal, With Damper	•	\$87.2
						I4-11-41	Quantity		Unit Price		Factor	Total	
						Installation	1.00	Х	63.26	X	1.3784 =	87.20	
90	23	33	46	00 0022		EA 16"	Diameter Flexible [Juct Coll:	ar, Spin In Type, l	Sheet Me	tal, With Damper		\$95.0
						1 (11)	Quantity		Unit Price		Factor	Total	
						Installation	1.00	Х	68.94	X	1.3784 =	95,03	
91	23	37	13	00 0037		EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted,						\$7,994.1	
							minum Construction						
						Installation	Quantity		Unit Price		Factor	Total	
							38.00	X	152.62	Х	1.3784	7,994.11	
~~~	Additional Ceiling Supply Diffusers 8 in base bid  23 37 13 00 0037 0224 MOD For Lav-In Mount, Add												
92	23	3/	13	00 0037	0224	MOD For	Lay-In Mount, Add						\$985.2
						Installation	Quantity		Unit Price		Factor _	Total	
							38.00	X	18.81	X	1.3784	985.25	
93	23	37	13	00 0077			x 12" Single Deflect		ım/Exhaust Regis	ter, Alum	inum, Opposed	ni.	\$268.8
						Blac	de Damper, Wall/Ce	iling	11 11 15 15		, .		
						Installation	Quantity 2.00	х	Unit Price 97.53	X	Factor 1.3784	Total 268.87	
94	23	37	13	00 0081		EA 24"							<b>.</b>
<i>0</i>	2.4	J,	13	00 0001			x 12" Single Deflect de Damper, Wall/Ce		rn/Exhaust Regis	ter, Alum	inum, Opposed		\$4,969.1
						DIQ	Quantity	iiiig	Unit Price		Factor	Total	
						Installation	24.00	Х	150.21	x	1.3784	4,969.19	
95	23	37	13	00 0083		EA 24"	x 24" Single Deflect	ion Refu	rn/Exhaust Regis	fer Altım			\$751.2
							de Damper, Wall/Ce		minimal reductive gra	ici, rudin	тат, орросси		ψ101.2
						11-0-1	Quantity		Unit Price		Factor	Total	
••••						Installation	3.00	Х	181.68	Χ.	1.3784	751.28	
96	23	37	13	00 0253			x 8" 4-Way Adjustal	ole Wall	Supply Grille, Adj	ustable D	eflection, Aluminum		\$482.8
						leatalieti	Quantity		Unit Price		Factor	Total	
						Installation	2.00	X	175.16	X	1.3784	482.88	
btot	al f	or	co	R 20							•		\$72,245.
оро	sa	l To	otal		· · · · · · · · · · · · · · · · · · ·								\$77,745.

This total represents the correct total for the proposal. Any discrepancy between line totals,

sub-totals and the proposal total is due to rounding.