



TO: Steve Lewis, City Manager
FROM: Terry Floyd, Development Coordinator
DATE: December 19, 2017
SUBJECT: Change Order #4 – Norman Public Library Central

City Council Resolution R-1112-55 grants administrative authority to the City Manager to approve change order requests up to \$40,000 or 10% of contract amount, whichever is less, and subsequently report those approvals to the City Council. Attached is a Change Order Summary and quote for additional work associated for structural steel joist adjustments, mechanical system revisions, electrical panelboard revisions, landscaping adjustments and plumbing fixtures for the Norman Public Library Central Project.

Due to the ongoing Norman Public Library Central Project, a change order is being requested by Flintco, LLC in the amount of \$36,588. This change order has been reviewed and is being recommended by the project architect, Meyers, Scherer and Rockcastle, Ltd. (MSR), and has been further reviewed and recommended by the NORMAN FORWARD program management firm, ADG. The change order is necessary because of changes incurred for a number of items related to adjustments in locations, product/construction clarifications and associated work a for structural steel joist adjustments, mechanical system revisions, electrical panelboard revisions, landscaping adjustments and plumbing fixtures. An accompanying Memo further explaining the adjustments has been provided by MSR. No weather delay days are requested by the contractor for this Change Order.

We have reviewed the change order with both MSR and ADG to confirm that the items listed therein are acceptable. At this time, we recommend approval of the change order from Flintco, LLC in the amount of \$36,588. Funding is available in account number 51-9507-455.6101 - Project NFB 016.

Reviewed by: Jeff Bryant, City Attorney *JWB*
 Anthony Francisco, Finance Director *A. Francisco*

Approved by: *[Signature]* Date: 1-15-18

Steve Lewis, City Manager

AIA[®] Document G701[™] – 2017

Change Order

PROJECT: <i>(Name and address)</i> Norman Public Library Central 103 West Acres Street Norman, OK 73069	CONTRACT INFORMATION: Contract For: General Construction Date: June 12, 2017	CHANGE ORDER INFORMATION: Change Order Number: 004 Date: December 5, 2017
OWNER: <i>(Name and address)</i> City of Norman 201 W. Gray Street Norman, OK 73069	ARCHITECT: <i>(Name and address)</i> MSR Design 710 S 2nd Street, 8th Floor Minneapolis, MN 55401	CONTRACTOR: <i>(Name and address)</i> Flintco LLC 2303 S Prospect Oklahoma City, OK 73129

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.)

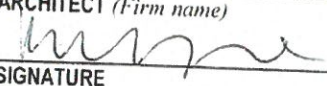
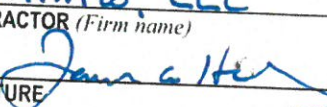
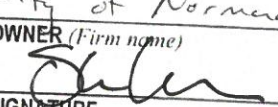
- PCO #009R2 - PR #3: \$36,387
- PCO #014 - Check Valve and Meter Changes - RFI #94: \$201

Total: \$36,588.00

The original Contract Sum was	\$ 25,858,000.00
The net change by previously authorized Change Orders	\$ 100,580.00
The Contract Sum prior to this Change Order was	\$ 25,958,580.00
The Contract Sum will be increased by this Change Order in the amount of	\$ 36,588.00
The new Contract Sum including this Change Order will be	\$ 25,995,168.00
The Contract Time will be increased by Zero (0) days.	
The new date of Substantial Completion will be still July 8, 2019.	

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.

<u>MSR DESIGN</u> ARCHITECT <i>(Firm name)</i>	<u>Flintco, LLC</u> CONTRACTOR <i>(Firm name)</i>	<u>City of Norman</u> OWNER <i>(Firm name)</i>
 SIGNATURE	 SIGNATURE	 SIGNATURE
<u>KRISTILYN VERKRUSSE</u> PRINTED NAME AND TITLE	<u>James A. Heley</u> PRINTED NAME AND TITLE	<u>Steve Lewis, City Manager</u> PRINTED NAME AND TITLE
<u>12/05/2017</u> DATE	<u>12/6/17</u> DATE	<u>1-15-18</u> DATE

MEMORANDUM

Date: 12/5/2017
Project Name: **Norman Central Branch Library**
Project No: 2016005.00

To: CO #004
From: Thomas Haller (MSR)
Cc: N/A

Re: **NORMAN CENTRAL LIBRARY CO #004 EXPLANATIONS**

The descriptions below are intended to explain the reasons for each change stated in CO #004, and the associated costs for each change. Reference CO #004 for the formalized and signed document outlining these changes. Reference the potential change orders produced by Flintco Construction for the origination of stated costs.

PCO-9R2 – PR #3 - \$36,387

Explanation: This work includes miscellaneous changes due to various RFI and submittal responses. See PR #3 for an itemized list of all work that needed to be provided, but generally speaking, this included structural joist adjustments; mechanical grill revisions; operable partition coordination; clarifications in landscaping; and clarification of ERVs, panelboards, and plumbing fixtures. All of these items are critical to coordination efforts ongoing with the construction of the entire library. MSR approved.

PCO-14 – Check Valve and Meter Changes – RFI #94 - \$201

Explanation: This work includes an added cellular end point accessory to the water meter and a credit add for the simpler single action valve in lieu of the double action check valve originally priced. MSR approved.

CO #004 Total Cost: \$36,588.00

Thomas Haller, Associate
612.375.8708 T tom@msrdesign.com E



ADG, PC
920 W Main
Oklahoma City, OK 73106
405.232.5700 ▪ www.adgokc.com

MEMO

DATE: 12/7/17
TO: Terry Floyd
FROM: ADG Team
SUBJECT: NORMAN FORWARD – Central Library – Change Order #004

PROJECT: NORMAN FORWARD – Central Library

PROJECT NO: 16-003

PHASE NO: Construction

ADG has reviewed the summary of the referenced Change Order provided by MSR along with their explanation and estimate of cost for each item. ADG is in agreement with MSR's recommendations.

Leslie Tabor
Program Management



ADG, PC
920 W Main
Oklahoma City, OK 73106
405.232.5700



CHANGE ORDER REQUEST: PCO 9R2

Project Name Normon Central Library
 Flintco Job Number

17039 MSR Job Number 2016005

City of Norman Contract number K-1617-83

TO: Terry Floyd Norman Municipal Authority 201 West Gray Norman, Ok 73070	Subject: PR # 3 - Miscellaneous RFI and Submittal changes
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In Accordance with our contract agreement, for your review and acceptance, we submit this cost proposal

Document Ref: PR # 3	NTP DATE:
Summary: PR # 3 includes miscellaneous changes due to RFI and Submittal responses. In the revised pricing we reduced Prime Electric's pricing, but discovered that Timberlake will have some additional costs for Insulation and Firestop.	COR Date: 11/6/2017
Exclusions:	

LABOR, LABOR BURDEN, MATERIALS, SUBCONTRACTS		
Direct Labor		\$ -
Labor Burden	(49% *Sum of all Flintco Labor)	\$ -
Direct Materials		\$ -
Direct Subcontracts		\$ 29,929
SUBTOTAL 1		\$ 29,929
EXPENSES ON LABOR AND MATERIALS		
Consumables	(5.0% of Labor)	-
Small Tools	(5.0% of Labor)	-
SUBTOTAL 2		\$ -
EXPENSES ON LABOR, LABOR BURDEN, MATERIALS		
Data Processing	(0.25% of labor, burden, and materials)	-
Safety	(1.0% of labor, burden, and materials)	-
Warranty	(1.0% of labor, burden, and materials)	-
SUBTOTAL 3		\$ -
SUBCONTRACTOR INSURANCE, OVERHEAD AND FEE		
Subcontractor Bonding program	(1.5% of Subcontracts)	\$ 449
Bidders Risk Insurance	(.08% of Subcontracts)	24
Overhead on Subcontracts	(10% of Subcontracts)	2,993
Fee on Subcontracts	(10% of Subcontracts)	2,993
SUBTOTAL 4		\$ 6,459
SELF PERFORMED WORK INSURANCE, OVERHEAD AND FEE		
Bonds and Bldrs Risk Insurance	(6 % of Self Performed work)	\$ -
Overhead on Flintco Work	(10% of Self Performed work+ Bond / Ins)	\$ -
Fee on Flintco Work	(10% of Self Performed work+ Bond / Ins)	\$ -
SUBTOTAL 5		\$ -
TOTAL CHANGE ORDER PROPOSAL		\$ 36,387

Flintco, Inc
 James A. Heley
 Date 11/14/17

OWNER
 Terry Floyd
 Date

PRIME ELECTRIC CO. / 400 S. Coltrane, Edmond, OK 73034 • (405) 359-9190

TO: Flintco Construction
 Project Norman Public Library Central
 COR No. 2
 COR Title PR-3

Expires 9/22/2017

COR Date 9/14/2017
 Revision Date

COR Item No	Description	Qty	Material	Labor		Equipment	
				Hours	Costs	Type	Cost
1	Light Connection @ AHU/ERV (Minor)	12	87.84	14.64	\$ 625.86	DJE	\$ 46.94
2	Line Voltage T-Stat (Minor)	2	24.00	2.44	\$ 104.31	DJE	\$ 7.82
3	100A Single Phase Load Center (Minor)	1	30.50	4.88	\$ 208.62	DJE	\$ 15.65
4	1/20A Load Center Breaker (Minor)	6	9.15	2.42	\$ 103.46	DJE	\$ 7.76
5	UL924 Lighting Control Relay	2	220.00	1.50	\$ 64.13	DJE	\$ 4.81
6	Ditch & Backfill (Sm)	70'	264.74	6.44	\$ 275.31	DJE	\$ 20.65
7	3/4" SCH 80 PVC	110'	89.10	5.39	\$ 230.42	DJE	\$ 17.28
8	3/4" EMT	15'	15.15	1.08	\$ 46.17	DJE	\$ 3.46
9	1" EMT	170'	261.29	14.11	\$ 603.20	DJE	\$ 45.24
10	Power Junction Box	1	11.02	1.01	\$ 43.18	DJE	\$ 3.24
11	#12 THHN	(70')	(15.82)	(0.63)	\$ (26.93)	DJE	\$ (2.02)
12	2-#12 THHN	70'	31.64	1.26	\$ 53.87	DJE	\$ 4.04
13	3-#12 THHN	75'	50.78	1.80	\$ 76.95	DJE	\$ 5.77
14	4-#12 THHN	125'	112.88	4.00	\$ 171.00	DJE	\$ 12.83
15	#10 THHN	15'	5.16	0.15	\$ 6.41	DJE	\$ 0.48
16	4-#10 THHN	(45')	(61.92)	(1.71)	\$ (73.10)	DJE	\$ (5.48)
17	#8 THHN	180'	93.60	1.98	\$ 84.65	DJE	\$ 6.35
18	4-#6 THHN	15'	48.02	0.83	\$ 35.48	DJE	\$ 2.66
19	2-#4 THHN	180'	453.78	9.00	\$ 384.75	DJE	\$ 28.86
20	Relocate 1/70A Breaker (Inverter)		3.06	0.80	\$ 34.20	DJE	\$ 2.57
21	Electrical Equipment Quote		210.00				
22	Safety Coordination			6.96	\$ 297.45	DJE	\$ 22.31
23	Update As-Built Plans		57.04	13.42	\$ 573.71	DJE	\$ 43.03
24	Material Staging		29.68	4.24	\$ 181.30	DJE	\$ 13.60
25							
26							
27							
Totals			\$ 2,030.69	96.01	\$ 4,104.38		\$ 307.83
				Labor Burden	\$ 1,676.64		
						Sales Tax - Yes 8.75%	\$ 177.69
Total Raw Costs (Labor+Labor Burden+Material+Equipment+Tax)							\$ 8,297.23
						Project Management Expense	\$ -
						Overhead @ 10%	\$ 829.72
						Profit @ 5%	\$ 456.35
						Supervision	\$ 1,020.10
						Bonds - No	\$ -
GRAND TOTAL							\$ 10,603.40

NOTES:
 Proposal excludes cutting, patching, or painting of any surface unless specifically included above.
 Proposal assumes all work to be performed during normal working hours and does not include any overtime unless show
 No work to begin until written authorization for this proposal.



September 19, 2017

Flintco
Attn: Jim Heley

Re: Norman Central Library

1.	8" Gate Valve and Box	2 ea	1048.00/ea	\$2,096.00
	Install 8" Gate Valve and Box		200.00/ea	\$ 400.00
	Mega Lugs	4 ea	85.50/ea	\$ 342.00
	Total			\$2,838.00
2.	Labor and Equipment for 8" items installed			\$ 442.00
3.	Blow-off Assbly			
	8x2 brass saddle -	1 ea		\$ 154.00
	2" ball valve	1 ea		\$ 251.00
	2" Copper	5'		\$ 126.00
	8" Cap			\$ 95.00
	2" Corp Stop	1 ea		\$ 246.00
	8" pipe	20'	\$10.00/ft	\$ 200.00
	Labor and Equipment			<u>\$ 178.00</u>
	Total Blow-off			\$1,250.00
	Total Overall			\$4,530.00

Thank you,
Brian Brewer



1841 Monetary Lane, Carrollton, TX 75006
Phone 972-446-1900 Fax 972-446-1990

Change Proposal

Quote # COP1

Date: 9/13/2017

Project Name: Norman Public Library

Customer: Flintco

Location: Norman, OK

Attn: Jim Heley

SCOPE

Following is cost adjustment per PR #03

Remove 59 function from HDW Set 3.0	DEDUCT	\$990.00
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(Openings # 149C, 150A)

TOTAL DEDUCT	\$990.00
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sales tax is not included

Prepared by Nik Pethis

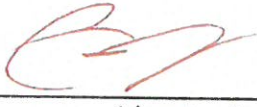
Please call 972-446-1900 or email npethis@aoinc.net with any questions.

Change Order No. Four to Contract K-1617-83

CONSTRUCTION COST ESTIMATE BREAKDOWN										
TO:			FROM:							
Flintco 2302 S. Prospect Oklahoma City, OK 73129			Quality Plumbing & Heating of Norman, Inc. 431 Highland Parkway Norman, OK 73069							
CONTRACT FOR (Work to be performed)			PROPOSED TOTAL CONTRACT PRICE							
PURCHASE REQUEST NUMBER			PROJECT NUMBER			WORK LOCATION				
PR #3			Norman Public Library Cental							
LINE NO.	ITEM	UNIT OF MEASURE	QUANTITY	MATERIAL COST (5.12%)		MAN. HOURS	LABOR COSTS (40%)		OTHER DIRECT COSTS LABOR BURDEN	LINE TOTAL
				UNIT	TOTAL		AVERAGE RATE	TOTAL		
1	Sheet Metal	Ea.	1	1.00	5,658.00	-	47.00	-	289.69	5,947.69
2	Insulation	Ea.	1	1.00	(245.00)	-	47.00	-	(12.54)	(257.54)
3	Water Heater / Guards / S-4	Ea.	1	1.00	2,737.00	-	47.00	-	140.13	2,877.13
4	Total				8,150.00			-	417.28	8,567.28

Norman Public Library Cental

TOTAL MATERIAL/SUB COST		<u>8,150.00</u>
TOTAL LABOR COST		<u>-</u>
TOTAL OTHER DIRECT COST		<u>417.28</u>
	TOTAL PRICE	<u>8,567.28</u>
OVERHEAD <u>10%</u>		<u>856.73</u>
	SUBTOTAL	<u>9,424.01</u>
PROFIT <u>10%</u>		<u>942.40</u>
BOND		<u>-</u>
	TOTAL PRICE	<u>10,366.41</u>

DATE September 13, 2017 FIRM NAME Quality Plumbing & Heating
TITLE President BY 
(signature)

We Agree hereby to make the change (s) specified above at this price **\$10,366.41**

PREVIOUS CONTRACT AMOUNT _____

REVISED CONTRACT AMOUNT _____

ACCEPTANCE OF CHANGE ORDER

DATE _____ FIRM NAME _____
TITLE _____ BY _____
(authorized signature)



5400 S Hattie Ave OKC, OK 73129
Phone (405) 672-5344 • Fax (405) 672-1825

September 23rd 2017

Quality Plumbing & Heating

Reference: **Norman Central Library Change Order – PR03R1**

David,

We are pleased to quote the additional cost to furnish and install additional linear diffusers and modify ductwork as shown and noted in PR03R1.

Included:

- Furnish and install Additional Linear Diffusers as shown on pages M102.2/M130.2
- Ductwork – Modify Outside Air as shown on Page M103.2
- Ductwork – Additional Supply to accommodate linear diffusers as shown on page M102.2
- Duct Liner as shown
- Tax

Excluded:

- All items not listed as included above
- External Duct Insulation
- Duct Cleaning

Labor:	\$2,472.96
Material:	\$2,203.16
Overhead (10%):	\$467.61
Profit (10%):	\$514.37
Total:	\$5,658

Please contact me if you have any questions or require additional information.
Sincerely,

Dale Graves

Dale Graves, Project Manager

**ALLIANCE
SPECIALTIES
INC.**

PROPOSAL

September 6, 2017

RE: Norman Public Library PR-#03

Norman, Oklahoma

Alliance Proposal Number: 23948

INSULATION SCOPE:

- Delete Insulation on 14" S/A Duct in Refuge 126

TOTAL BID-Labor: DEDUCT (\$187.00)

TOTAL BID-Material: DEDUCT (\$58.00)

TOTAL BID-PR-#03: DEDUCT (\$245.00)

Exclusions / Clarifications:

- NO- Fireproofing/Fire stops, Painting, Pipe Identification/Markers.
- NO- Cleaning of Pipe/Ducts before Insulating
- NO- Overtime Premiums

Respectfully submitted,
ALLIANCE SPECIALTIES, INC.

Max Vail
Estimator/Project Manager



COR 002

Revision 1

Date: 11-14-17
Job Number: M1732
Norman Central Library
Norman, Ok.

Add Price Description

Add material and labor to make revisions per PR-03

Changes include but are not limited to the following:

- Revise miscellaneous angle braces per S516 & S517
- Add W5x16 at Elevator roof per S104
- Add HSS 6x4x1/4 at Elevator roof per S104
- Revise steel framing to accommodate revised joist seat depths per S104
- Revise steel framing to accommodate revised joist seat depths per S104.2
- Increase size of shear collector HSS to accommodate revised joist seat depths per S104.

Please issue a change order for \$4440 for this work in order to avoid any delays in deliveries.

Proposal Breakdown:

• Add material:	\$496
• Add drafting labor	\$2640
• Add shop labor:	\$180
• Add mgt. labor:	\$720
• Add freight	<u>\$0000</u>
Subtotal:	\$4036
P & O (10%)	<u>\$404</u>
Total:	\$4440

DM

Project Manager

UNIQUE METAL FABRICATIONS, INC

Buyer

General Contractor



Change Order No. Four to Contract K-1617-83

P.O.Box 54985, OKC., OK 73154
 Phone 405-840-8377 Fax 405-840-1096

Description for Change:

Firestop & sound batt at Folding panel partition per submittal requirements.

Date: 10/26/2017
 Proposal Request #: 3
 Project: Norman PC Library
 Location: Norman, OK.
 Work: No Incurred

Materials	Cost Code	Unit		Unit Cost	Total
Insulation cost difference	701300M	220	SF	0.40	88.00
Firestop	701300M	42	LF	8.20	344.40
					0.00
					0.00
					0.00
					0.00
Tools / Fasteners	701038G		ea	0.00	0.00
			Sales Tax	8.750%	37.84
Subtotal					470.24

Labor	Cost Code	Unit		Unit Cost	Total
Journeyman insulation	701300L	0	/hr	35.00	0.00
Journeyman firestop	701300L	8	/hr	35.00	280.00
Journeyman			/hr		0.00
Journeyman			/hr		0.00
Overtime			/hr		0.00
Perdium			/day		0.00
PM / Supervisor	701051	1	/hr	50.00	50.00
Subtotal					330.00

Equipment	Cost Code	Unit		Unit Cost	Total
Scissor lift 19'	701037G	0	/wk	180.00	0.00
Boom lift 40'	701037G		/day		0.00
			Sales Tax	8.750%	0.00
Subtotal					0.00

Subcontractors	Cost Code			Total

Inclusions:

Cleanup to a central location
 Equipment for our work only

Exclusions:

Trash Removal from Site & Trash Receptacles
 All Rough Carpentry, Blocking & Backing
 All Tape, Bed & Paint
 All Caulking, Sealants & Grouting
 All Attachment by Bolting or Welding
 All premium expense /OT as a result of any acceleration of schedule or as a result of delays caused by others is excluded.
 All temporary enclosures, lighting, ventilation, heating &/or utilities

Total Raw Costs		800.24
Gen Req'ments, Insurance, Bond	2%	16.00
Subtotal		816.24
OH/Profit	20%	162.76
		0.00
Total Change Order Proposal		979.00

CO due Date _____

Timberlake Interiors reserves the right to withdraw this pricing if not accepted in writing within (30) days of the date of this proposal. CO's must be received by our office within (15) days after work is completed or PR issue date. Additional work will only be performed and furnished following a written change order signed by GC & Timberlake Interiors.

Accepted By Authorized Agent: _____

Date: _____



CHANGE ORDER REQUEST: PCO 14

Project Name Normon Central Library
 Flintco Job Number 17039 MSR Job Number 2016005 City of Normon Contract number K-1617-83

TO: Terry Floyd Norman Municipal Authority 201 West Gray Norman, Ok 73070	Subject: RFI # 94 check valve change
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In Accordance with our contract agreement, for your review and acceptance, we submit this cost proposal

Document Ref: RFI # 94	NTP DATE:
Summary: This RFI added a cellular end point accessory to the water meter.	COR Date: 11/14/2017
Exclusions:	

LABOR, LABOR BURDEN, MATERIALS, SUBCONTRACTS		
Direct Labor		\$ -
Labor Burden	(58% *Sum of all Flintco Labor)	\$ -
Direct Materials		\$ -
Direct Subcontracts		\$ 164
SUBTOTAL 1		\$ 164
EXPENSES ON LABOR AND MATERIALS		
Consumables	(5.0% of Labor)	-
Small Tools	(5.0% of Labor)	-
SUBTOTAL 2		\$ -
EXPENSES ON LABOR, LABOR BURDEN, MATERIALS		
Data Processing	(0.25% of labor, burden, and materials)	-
Safety	(1.0% of labor, burden, and materials)	-
Warranty	(1.0% of labor, burden, and materials)	-
SUBTOTAL 3		\$ -
SUBCONTRACTOR INSURANCE, OVERHEAD AND FEE		
Bonding	(1.5% of Subcontracts and Self Performed)	\$ 2.46
Bldrs Risk Insurance	(.08% of Subcontracts)	0
Overhead on Subcontracts	(10% of Subcontracts)	16
Fee on Subcontracts	(10% of Subcontracts)	16
SUBTOTAL 4		\$ 35
SELF PERFORMED WORK INSURANCE, OVERHEAD AND FEE		
Bldrs Risk Insurance	(6 % of Subs and Self Performed work)	\$ 1
Overhead on Flintco Work	(10% of Self Performed work+ Bond / Ins)	\$ 0
Fee on Flintco Work	(10% of Self Performed work+ Bond / Ins)	\$ 0
SUBTOTAL 5		\$ 1
TOTAL CHANGE ORDER PROPOSAL		\$ 201

Flintco, Inc

 James A. Heley
 Date 11/14/17

OWNER
 Terry Floyd
 Date



CHANGE ORDER REQUEST:

14

WORKSHEET

11/14/2017

Oklahoma City, OK
Job Number 17039 - Norman Central Library

DESCRIPTION	QTY	UNIT	LABOR				MATERIAL		SUBCONTRACTOR		
			UMH	MHRS	RATE	U.P.	COST	U.P.	COST	U.P.	COST
Add back for instaling 3" double check valve credited in PCO # 4R1 - PR # 1	1	LS		-		-		\$0	\$0	\$1,798	\$ 1,798.40
Change Demestic Water Meterper RFI # 94	1	LS	0	-	\$ -	\$0	\$0	\$0	\$0	\$1,175	\$ 1,175.00
Credit to go from double action check valve to single action	1	LS		-		-				(\$2,809)	\$ (2,809.08)
TOTAL								\$0	\$0	\$	164.32



PO Box 721078 Norman, OK 73070

Phone: (405) 310-3160
Fax: (405) 310-3161

CHANGE ORDER REQUEST

PROJECT: Norman Library - Utilities	CHANGE ORDER	
	PO:	
DATE: 11/9/2017	CONTRACT DATE:	6/14/2017
PREPARED BY: Brain Brewer	CONTRACT FOR:	Flintco

Description of change

Changes in Quantities

Fire Line		
8" Double Check	4,156.00 with tax	
8" Single Check	1,864.00 with tax	(\$4,829.19)
Credit Difference		\$2,020.11

Total Cost: (\$2,809.08)

All terms and Conditions shall remain as originally written unless modified herein.

Not valid until signed by the Owner and Contractor.

The original (Contract Sum) (Guaranteed maximum Price) was	\$657,847.00
Net change by previously authorized Change orders	\$2,438.00
The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was	\$660,285.00
The (Contract Sum) (Guaranteed maximum price) will be by this Change Order in the amount of	(\$2,809.08)
The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be	\$657,475.92

The Contract Time will be (increased) decreased) (unchanged) by _____
The date of Substantial Completion as of the date of this Change Order therefore is _____

Hammer Construction, Inc
CONTRACTOR
BY Brain Brewer
DATE 11/9/2017

OWNER _____
BY _____
DATE _____



PO Box 721078 Norman, OK 73070

Phone: (405) 310-3160
 Fax: (405) 310-3161

CHANGE ORDER REQUEST

PROJECT: Norman Library - Utilities	CHANGE ORDER	4
	PO:	
DATE: 11/9/2017	CONTRACT DATE:	6/14/2017
PREPARED BY: Brain Brewer	CONTRACT FOR:	Flintco

Description of change

Changes in Quantities

Domestic Water	\$2,375.00
Change for 3" Compound	(\$1,200.00)
3" Tubro meter credit	
Total Cost:	\$1,175.00

All terms and Conditions shall remain as originally written unless modified herein.

Not valid until signed by the Owner and Contractor.

The original (Contract Sum) (Guaranteed maximum Price) was	\$657,847.00
Net change by previously authorized Change orders	(\$2,809.08)
The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was	\$655,037.92
The (Contract Sum) (Guaranteed maximum price) will be by this Change Order in the amount of	<u>\$1,175.00</u>
The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be	\$656,212.92

The Contract Time will be (increased) decreased) (unchanged) by _____
 The date of Substantial Completion as of the date of this Change Order therefore is _____

Hammer Construction, Inc
 CONTRACTOR
 BY Brain Brewer
 DATE 11/9/2017

 OWNER
 BY _____
 DATE _____



PO Box 721078 Norman, OK 73070

Phone: (405) 310-3160
Fax: (405) 310-3161

CHANGE ORDER REQUEST

PROJECT: Norman Library - Utilities	CHANGE ORDER		5
	PO:		
DATE: 11/9/2017	CONTRACT DATE:		6/14/2017
PREPARED BY: Brain Brewer	CONTRACT FOR:	Flintco	

Description of change

Changes in Quantities

Add back the \$1,798.40 for installing 3" double ch 4,156.00 with tax \$1,798.40

Total Cost: \$1,798.40

All terms and Conditions shall remain as originally written unless modified herein.

Not valid until signed by the Owner and Contractor.

The original (Contract Sum) (Guaranteed maximum Price) was	\$657,847.00
Net change by previously authorized Change orders	(\$2,809.08)
The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was	<u>\$655,037.92</u>
The (Contract Sum) (Guaranteed maximum price) will be by this Change Order in the amount of	\$1,798.40
The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be	<u>\$656,836.32</u>

The Contract Time will be (increased) decreased) (unchanged) by _____
 The date of Substantial Completion as of the date of this Change Order therefore is _____

Hammer Construction, Inc

CONTRACTOR

BY

DATE

11/9/2017

OWNER

BY

DATE

Brain Brewer



PO Box 72078 Norman, OK 73070

Phone: (405) 310-3160
Fax: (405) 310-3161

Note: This Credit was taken in PCO# 4R1 for PR#1 reconciliation. Thus it is added back in PCO#14. (Should not have been deleted in PR#1).

CHANGE ORDER REQUEST

PROJECT: Norman Central Library	CHANGE ORDER	
	PO:	
DATE: 8/9/2017	CONTRACT DATE:	6/11/2017
PREPARED BY: Brian Brewer	CONTRACT FOR:	Flintco

Description of change	
Changes In Quantities	
8" Double Check Valve	(\$898.40)
Labor for check valve	(\$150.00)
4" Concrete Box for check valve	(\$550.00)
Labor on concrete box	(\$200.00)
Total Cost:	(\$1,798.40)

All terms and Conditions shall remain as originally written unless modified herein.

VOIDED COSTS APPROVED IN PR #1R1

Not valid until signed by the Owner and Contractor.

The original (Contract Sum) (Guaranteed maximum Price) was _____
 Net change by previously authorized Change orders _____
 The (Contract Sum) (Guaranteed maximum Price) prior to this Change order was _____
 The (Contract Sum) (Guaranteed maximum price) will be by this Change Order in the amount of _____
 The new (Contract Sum) (Guaranteed maximum Price) including this Change order will be _____

The Contract Time will be (increased) decreased) (unchanged) by _____
 The date of Substantial Completion as of the date of this Change Order therefore is _____

Hammer Construction, Inc
 CONTRACTOR
 BY Brian Brewer
 DATE 7/27/2017 8/9/17

OWNER _____
 BY _____
 DATE _____



Request For Information 094

Importance: Normal

Status: Open

Norman Public Library Central
103 West Acres Street
Norman, OK 73069

Project # 17039

Flintco, LLC
Tel:

RFI #: 094

Date Created: 10/27/2017

Answer Company	Answered By	Author Company	Authored By
MSR Architects 710 S. 2nd Street 8th Floor Minneapolis, MN 55416q	Thomas Haller	Flintco, LLC 2302 South Prospect Avenue Oklahoma City, OK 73129	Cristine Winchester

Subject	Discipline	Category
Radial Meter for 3" Potable	Civil	Drawing Discrepancies

Question

Date Required: 11/3/2017

RE: Submittal 0001-331000-2 - Facility Water Distribution Piping - APPROVED

RE: **C1205**

Per Vault Detail C1205 and page 22 of submittal #1, the Badger Turbo Meter was submitted and approved. During inspection of the 3" water service, the CON's Utility Inspector requested the standard meter be replaced with one that has the Cellular Endpoint accessory be installed so it could be monitored remotely. Please confirm this added scope. ROM for add is shown on page 2 and data sheets shown on page 3.

Answer

Date Answered:

All previously submitted water and sewer submittals were sent to, and approved, by city of Norman. City is now requesting a different meter to be installed. City is requesting this and price seems adequate.

No Exceptions Taken

Jason Emmett
Cedar Creek
11/03/2017

ORION CLASSIC ENDPOINTS

This section contains information regarding identification and encoder compatibility for field wiring and activation of ORION Classic endpoints. ORION Classic endpoints have a serial number range of 70000000 to 199999999.

Field Wiring, Encoder Connectivity and Read Resolution

ORION Classic endpoints with flying leads are available for connectivity to Badger Meter encoders and E-Series Ultrasonic meters as well as a number of competitive encoders as shown in chart below.

Endpoints are shipped from the factory pre-programmed and are available in an indoor/outdoor, three-wire configuration for connection to the encoders listed. See also "Endpoint Installation Kits" on page 16.

All three wires must be connected to complete an installation. The ORION endpoint connection can be made to either existing wires from the encoder or directly to the terminal screws of the encoder, depending on the application and manufacturer. Follow the manufacturer's installation kit instructions provided with the gel splice or field splice kit you are using.

NOTE: For instructions on using gel connectors for field wiring, see "Using Gel Caps to Connect an Encoder" on page 14.

ORION endpoint wires: Red = Power/Clock; Black = Ground; Green = Data

Endpoint Label	Encoder Connectivity	Endpoint Wire Colors			Reading Resolution
		Red	Black	Green	
ADE	Badger Meter ADE, HR-E LCD or HR-E encoders, or E-Series Ultrasonic Meter with High Res or ADE output	Red	Black	Green	Up to seven (7) most significant digits
RTR	Badger Meter RTR or E-Series Ultrasonic Meter with RTR output	Red	Black	Green	Up to seven (7) most significant digits
UNIV*	Elster/AMCo ScanCoder or Invision	Green	Black	Red	Up to seven (7) most significant digits
UNIV*	Master Meter Octave Ultrasonic meter encoder output	Red	Black	Green	Up to seven (7) most significant digits
UNIV*	Metron Hawkeye	Red	Black	Green	Up to seven (7) most significant digits
ARB-V**/**	Neptune ARB-V for connectivity to ORION endpoint > serial number 80000000	Black	Green	Red	Up to seven (7) most significant digits
ARB-V**/**	Neptune ARB-V for connectivity to ORION endpoint < serial number 79999999	Red	Black	Green	Up to seven (7) most significant digits
UNIV*	Neptune ProRead or E-coder	Black	Green	Red	Up to seven (7) most significant digits
UNIV*	Sensus ECR II or ICE	Red	Black	Green	Up to seven (7) most significant digits
UNIV*	Hersey Translator	Due to the customized, factory wire configurations of the Hersey Translator, the terminal posts may not match the ORION endpoint wire colors. Please contact Hersey for the terminal post wiring schematic of your encoders to determine how the posts correspond to ORION endpoint wires.			

NOTE: Competitive encoder output is determined by the encoder configuration.

*ORION Classic UNIV and ARB-V endpoints are compatible with the encoders noted above with a manufacture date of 2000 or newer as long as the encoder is programmed into the three-wire output mode for AMR/AMI and has three wires connected to it. Encoder registers that are currently in two-wire mode of operation require programming by the Utility, including registers that support auto two- or three-wire detection systems that do not automatically switch to three-wire mode of operation once a compatible endpoint is connected for ORION connectivity.

**A separate ORION CE Universal endpoint is available for connectivity to the Neptune ARB-V encoder. Make sure the ORION Classic endpoint has "ARB-V" on the harness label when wiring to an ARB-V encoder. Wiring differs depending on the serial number of the ORION endpoint you are connecting to the ARB-V encoder, so make sure to verify wiring is correct per the above chart.

Activating the Endpoint

ORION Classic water endpoints are shipped in an inactive, non-transmitting state known as "Pause" mode. The endpoint offers a Smart Activation feature. After the endpoint is installed, it begins broadcasting data when the encoder senses the first usage of water. No field programming or special tools are required to activate the endpoint.

NOTE: Endpoints shipped via air are shipped in "Stop" (hard sleep) mode and must be activated via IR communication using an ORION handheld or mobile reading system and the ORION Endpoint Utility software.

RTR

When an RTR is mounted on the water meter, and the ORION endpoint connected to the RTR is securely installed, the ORION system is ready for operation. The endpoint will turn on with water usage. Run water through the meter to increment the RTR 1/10th of the test circle. Upon receiving the first digital signal from the RTR, the endpoint counts the signal and begins its radio frequency (RF) transmissions. No specific wire testing or endpoint programming is required.

NOTE: Reading an ORION endpoint with the ORION handheld or mobile meter reading equipment immediately after installation verifies proper operation and reading performance.

ADE, UNIV or ARB-V Endpoint

After the ORION endpoint is securely installed and the encoder is mounted on the water meter, the ORION system is ready for operation. The endpoint will turn on with water usage. An ADE/UNIV/ARB-V endpoint requires up to one hourly reading interval where consumption changes the electronic reading. For example, with an ORION endpoint connected to a six-dial ADE, the encoder must detect consumption of 10 gallons before the endpoint will begin its RF data broadcast. Once it begins broadcasting, the endpoint will update hourly based on the encoder odometer reading. No specific wire testing or endpoint programming is required.

NOTE: Reading an ORION endpoint with the ORION handheld or mobile meter reading equipment immediately after installation verifies proper operation and reading performance.

Confirming an Installation

Before leaving the installation site, the installer can use an ORION handheld or mobile reading system to confirm the endpoint wiring has been done correctly and that the endpoint is broadcasting RF data for reading. See the appropriate handheld or mobile reading system user manuals for more information.