

CONTRACT ALLOWANCE EXPENDITURE APPROVAL (CAEA)

PROJECT: Hidalgo County Courthouse



CAEA Approval Form

To be completed separately for allowance expenditure within the construction contract

Contractor: MORGANTI	PM Firm: JACOBS	Date: 2022-12-21
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CAEA	61
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Reason for Change:

- Contract Document Error or Omission
- Unknown / Unforeseen Conditions
- Owner Requested Change
- Other (specify) _____

Description of Change:

Replace Wall Thermostats at Holding Cells CPR 74

Original Contract Allowance Amount per Contract =	\$ 759,022	A
Total of previously Approved CAEAs =	\$ 785,612	B
Total Amount (for this allowance) =	\$ 28,882	C
Remaining of Contract Allowance =	\$ (55,472)	D = A - (B + C)

Prepared by:

This additional scope will increase the contract duration by 15 Days. Change order was issued after the August 27th Substantial Completion date. New substantial completion date TBD upon the full approval of this change order. The added time for this change order begins once it has received full approval.

Frank Gotham
Name
Morganti
Title: Project Manager

Signature

12.21.2022
Date

Reviewed by:

John Niesen
Name
HDR
Title: Project Manager

Signature

July 7, 2023
Date

Name
JACOBS
Title: Project Manager

Signature

Date

Approval by the Owner will constitute authorization to proceed with this change.

Approved by:			
V	I		
S	A	Signature	Date
Hidalgo County			
Title: VISA			

Note - All applicable supporting documentation (including price proposal) needs to be attached.



December 1, 2022

Jacobs

Replace Wall Thermostats at Holding Cells CPR 74

Dear Mr. Garcia,

Listed below is the additional scope of work along with associated labor and materials to complete the work.

Description	Amount
This proposal is to replace Wall Thermostats in Holding Cells, Sensors are located per drawings MH-101B, 103A, 103B, 104A, 104B, 105A, 105B, 106A, 106B, 107A, 107B, 403, and 404. Modify program and graphics to match the new sensors.	\$ 26,862.00
<hr/>	
Clarifications:	Sub-Total \$ 26,862
	Bond \$ 269
	Builder's Risk \$ 83
	CCIP \$ 449
	SDI \$ 414
	Permit
	Fee \$ 806
	Sales Tax
	Total \$ 28,882

This additional scope will increase the contract duration by 15 Days, upon approval of Change Order. Change Order Request came after August 27th, 2022 substantial completion date. New Substantial completion date to be determined upon approval.

This proposal will expire 15 days from date of original submission. Any delay in approval will result in project delays & additional costs.

Sincerely,

Frank Gotham

By signing this proposal, I agree to the change in scope and contract amount.

By: _____ Date: _____

Jacobs

BASE BID TABULATION

PROJECT:		Hidalgo County Courthouse		Run:
Spec	Description	Opt.	Sub/Notes	
010000	General Conditions		General Conditions	\$ 2,836.00
010000	Pre Construction Services			\$ -
010001	General Requirements			\$ -
400005	BUILDING PERMIT CITY OF EDINBURG	1	1=Reqd 2=Exclude	\$ -
TOTAL GEN CONDITIONS				\$ 2,836.00
020000	EXISTING CONDITIONS/GENERAL REQUIREMENTS/DEMO			
029999	MONUMENT SALVAGE ALLOWANCE		w/ ESP	\$ -
029999	CAST STONE MASONRY			\$ -
029999	Man/ Material hoist		MTI	\$ -
029999	Daily Clean		MTI	\$ 850.00
029999	Dust Control		MTI	\$ -
029999	TEMP PROTECTION (MOVE FALL PROTECTION)		MTI	\$ -
029999	SITE MAINTENANCE & SAFETY		MTI	\$ -
TOTAL EXISTING CONDITIONS				\$ 850.00
230000	HVAC			
232113	HYDRONIC PIPING SYSTEMS		Victoria Air	\$ 23,176.00
TOTAL HVAC				\$ 23,176.00
TOTAL				\$ 26,862.00



200 S. Ben Jordan
P.O. Box 3882
Victoria, TX 77901
(361) 578-5241 Fax
576-0811

Customer#	
VAC COR #	44275-0075

Date: 11/21/22

Attn: **Macon Macicek**

Re: **44275 Hidalgo County Courthouse – Replace Wall Thermostats at Holding Cells CPR 74**
VAC COR-0075

Ladies & Gentlemen:

We have reviewed the requirements of the above referenced documents as they pertain to our contract. In compliance with the terms of our subcontract agreement, we agree to perform the changed work: \$23,176.00.

15 Calendar days from the date of this letter our price will expire.

- Included in our price is the following: Replace Wall Thermostats in Holding Cells, Sensors are located per drawings MH-101B, 103A, 103B, 104A, 104B, 105A, 105B, 106A, 106B, 107A, 107B, 403, and 404. Modify program and graphics to match the new sensors. Pursuant to CPR #74 and the attached breakdowns.

LEAD TIME TO PROCURE SENSORS IS APPROXIMATELY 15 DAYS FROM DATE THE CHANGE ORDER IS RECIEVED.

no extension of contract time is required.

- Standard conditions on page two of this form apply.
- Excludes any work not specifically listed in the above scope
- Excludes repair or replacement of “in place” work damaged during the execution of this change
- Specifically excludes non-warranty repairs
- Patching of finished surfaces affected by this change including buy not limited to walls, paint, floors, tile, carpet, etc.

Please respond to the above referenced Change Order Request number when responding to this

Quotation.

Respectfully Submitted,

Ken Hasbrouck
Sr. Project Manager

cc: John Hickman-VAC

STANDARD CONDITIONS:

1. The payment requested in this change estimate does not include any amounts for changes in sequence of work, delays, disruptions, or impact costs due to the accumulative effect of this change with other changes or any other reason and our rights are expressly reserved to make claim for any and all of these related items or costs prior to final payment upon this contract.
2. The work presented in this proposal is consistent with Victoria Air Conditioning, LTD's base contract scope of work. Any terms conditions, exclusions and clarifications of the base scope of work. Any terms conditions, exclusions and clarifications of the base estimate cost detail.
3. Changes proceeded upon by Victoria Air Conditioning, LTD's at the direction of General Contractor, Construction Manager or the Owner shall be immediately billable to 50% on commencement of the work.
4. Progress payments delayed for work contained in this proposal, caused through no fault of Victoria Air Conditioning, LTD's, or may cause suspension of the work.
5. This proposal is predicated on the logical implementation of the added work into the Project Construction Schedule. Unless designated otherwise, this proposal is based on installation performance at an optimum, productive and uninterrupted manner.
6. We do NOT include in this change estimate any costs for removing, replacing or alteration to NON-mechanical/electrical work required of other trades unless specifically designated in the change estimate cost detail. We reserve the right to reassess the impact of any NON- mechanical/electrical drawing revisions or supplement should the effects thereof not be reflected on a future mechanical/electrical drawing or specification revision, or change request presentation.
7. We do not include in this change estimate any costs for work mandated by construction procedures implemented by other trades unless specifically designated in the change estimate cost detail.
8. In the advent that this change delays the completion and acceptance of the Project, associated delay, cost, inclusive of extended overhead costs, Retention finance costs, etc., are specifically NOT included in this change estimate proposal.
9. Should the words 'engineering' appear in this proposal, Victoria Air Conditioning, LTD specifically excludes any and all liabilities, including adequacy of design or time impacts, related thereto, unless specifically designated otherwise in the same contract AND the change estimate cost details.
10. This estimate excludes all costs related to Asbestos Abatement, Asbestos Safety Apparatus and Procedures, or Hazardous Substance Abatement unless specifically designated in the change estimate details.

Victoria Air Conditioning, Ltd. is not responsible for the consequences of design defects in and may not warranty the accuracy, adequacy, sufficiency, or suitability of the plans, specifications, or other design documents provided to Victoria Air Conditioning, Ltd. by a person other than the Victoria Air Conditioning, Ltd.'s agents, contractors, fabricators, or suppliers, or its consultants, of any tier.

Time and Material (T&M) Hourly Rates:			T&M Vendor & Sub Mark Up Rates:	
Crew Size-worker	REG	OT	Value	%
T&M 1w Crew	\$144.00	\$216.00	Less than \$10K	30%
T&M 2w Crew	\$216.00	\$324.00	Less than \$100K-\$10k	25%
T&M 3w Crew	\$288.00	\$432.00	Over \$100K	20%

COST ANALYSIS WORKSHEET

Project Name and No. Hidalgo County Courthouse 44275 **Date:** 11/21/2022

CHANGE DESCRIPTION Sensors are located per sheets MH-101B, 103A, 103B, 104A, 104B, 105A, 105B, 106A, 106B, 107A, 107B, 403, 404 from CPR#74

MATERIAL and EQUIPMENT					AMOUNT
A. PLUMBING/PIPING EQUIPMENT					
B. HVAC EQUIPMENT					\$0.00
C. SHEET METAL MATERIAL					\$0.00
D. PLUMBING/PIPING MATERIAL					\$0.00
E. MISCELLANEOUS MATERIALS (A, B, C, D)	\$0.00	X	15.00%	=	\$0.00
F. SALES TAX ON MATERIALS (A, B, C, D, E)	8.25%	\$0.00	X	0.00%	\$0.00

Review Contract to Confirm if Sales Tax is Required. New Construction-This line N/A on Remodel Project

LABOR (includes burden)					
G. TECHNICIAN	23.00	HRS X \$	85.00	=	\$1,955.00
H. PIPEFITTER	0.00	HRS X \$	44.57	=	\$0.00
I. DUCT	0.00	HRS X \$	45.60	=	\$0.00
J. LABOR	0.00	HRS X \$	24.42	=	\$0.00
K. CREW FOREMAN/SUPERINTENDENT	2.00	HRS X \$	65.00	=	\$130.00

MISCELLANEOUS					
L. FUEL COST					
M. RENTALS					
N. FREIGHT/DRAYAGE					\$0.00
O. O&M MANUALS/AS-BUILT DRAWINGS (A, B)	0.00	X	2.00%	=	\$0.00
P. WARRANTY RESERVE (A, B, C, D)	0.00	X	5.00%	=	\$0.00
Q. IDENTIFICATION & PAINTING					\$0.00
R. DRAFTING	0.00	HRS X \$	95.00	=	\$0.00
S. TESTING (G, H, I, J)	0.00	X	6.00%	=	\$0.00
T. STORAGE COSTS					
U. DIRECT PROJECT MANAGEMENT COSTS					\$450.00
V.					
W.					\$0.00
X.					\$0.00
Victoria Air Conditioning Subtotal					\$2,535.00
Bond for VAC subtotal	\$2,535.00	X	0.00%	=	\$0.00
Liability/Umbrella Insurance	\$2,535.00	X	0.00%	=	\$0.00
Overhead & Profit	\$2,535.00	X	10.00%	=	\$253.50
VICTORIA AIR CONDITIONING TOTAL					\$2,788.50

SUBCONTRACT WORK

1. Insulation	\$	0.00
2. JCI	\$	18,750.00
3. PHI	\$	

Subtotal Subcontract					\$18,750.00
Bond for Subcontract subtotals	18,750.00	X	0.00%	=	\$0.00
Liability/Umbrella Insurance	18,750.00	X	0.00%	=	\$0.00
Overhead & Profit	18,750.00	X	5.00%	=	\$937.50
PROJECT CHANGE TOTAL					\$22,476
Sales Tax on Project for Remodel/Additions	8.25%	\$22,476.00	X	0.00%	\$0.00

This Sales Tax Line N/A on New Construction

TOTAL CHANGE ORDER PRICE IF ACCEPTED WITHOUT NEGOTIATION	\$22,476
Negotiation Time Fee per HR \$350.00	2 HRS
TOTAL CHANGE ORDER PRICE	\$23,176

TIME: This C.P. will require No additional working days to the contract and the affected milestones.

ATTACHMENT "E"



Change Order Proposal

To: Victoria Air Conditioning
Attn: Ken Hasbrouck

Date: November 18, 2022
Project: Hidalgo County Courthouse
Replace Detention Cell Wall
Sensors CPR#74

Scope of Work

This scope will include all materials and labor as described herein:

- (Qty-23) Replace current LCD wall temperature sensors from holding cells with **TE-6310F-0** flush-mount sensors with tamper-proof screws. Sensors are located as per sheets MH-101B, 103A, 103B, 104A, 104B, 105A, 105B, 106A, 106B, 107A, 107B, 403, 404 as per CPR#74. Modify program and graphics so it can match the new sensors.
- New sensors won't have local setpoint adjustment nor relative humidity reading capabilities.
- Verify proper operation

Exclusions & Clarifications

- No wall perforation or covering up is included
- Base contract terms & conditions apply
- All work to be during normal working hours, unless otherwise indicated
- Controls equipment other than listed above
- Mechanical equipment or modifications
- Power wiring
- Installation of valves, dampers, taps, flow meters, and VFD drives is excluded unless otherwise noted above

Total Price - \$ 18,750⁰⁰

It is anticipated that all work required by this change will be on a straight time basis and will require a (0) day time extension to our base contract. Overtime work, if required, will be billed as an additional item.

The change proposal covers only the direct cost associated with the specified modification. Should other conditions change to our base contract (e.g. time of completion, schedule, sequence of work, etc.) as a result of this revision, we reserve the right to requote this proposal when these additional costs can be determined.

This proposal is for valid within thirty (30) days from date of this letter and is subject to escalation thereafter.

This proposal is hereby accepted, and Johnson Controls is authorized to proceed with the work; subject however, to credit approval by Johnson Controls.

This proposal is valid for 30 days

VICTORIA AIR CONDITIONING
Purchaser – Company Name

Johnson Controls
Seller – Company Name

Signature

Signature

Name: _____ Ken Hasbrouck


Name: _____ Daniel Alvarez

PO #: _____

Date: _____ November 18, 2022

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TE-6300F Series Flush Mount Sensors

Installation Instructions

TE-63xxF-0, TE-63xxF-1

Part No. 24-4034-255, Rev. C
Issued March 2016

Refer to the [QuickLIT website](#) for the most up-to-date version of this document.

Applications

The TE-6300F Series Flush Mount Temperature Sensor is a device that measures air temperature, via a temperature sensing element, thermally bonded to a metal electrical box cover. The sensor is designed for direct connection to a supervisory controller.

IMPORTANT: The TE-6300F Series Flush Mount Temperature Sensor is intended to provide an input to equipment under normal operating conditions. Where failure or malfunction of the sensor could lead to personal injury or property damage to the controlled equipment or other property, additional precautions must be designed into the control system. Incorporate and maintain other devices, such as supervisory or alarm systems or safety or limit controls, intended to warn of or protect against failure or malfunction of the sensor.

IMPORTANT : Le TE-6300F Series Flush Mount Temperature Sensor est destiné à transmettre des données entrantes à un équipement dans des conditions normales de fonctionnement. Lorsqu'une défaillance ou un dysfonctionnement du sensor risque de provoquer des blessures ou d'endommager l'équipement contrôlé ou un autre équipement, la conception du système de contrôle doit intégrer des dispositifs de protection supplémentaires. Veiller dans ce cas à intégrer de façon permanente d'autres dispositifs, tels que des systèmes de supervision ou d'alarme, ou des dispositifs de sécurité ou de limitation, ayant une fonction d'avertissement ou de protection en cas de défaillance ou de dysfonctionnement du sensor.

Installation

IMPORTANT: Do not install the TE-6300F Series Flush Mount Temperature Sensor probe in ambient temperatures beyond the specified 32 to 104°F (0 to 40°C) temperature range. Installing the temperature sensor probe in ambient temperatures beyond this range may damage the unit and void the warranty.

Dimensions

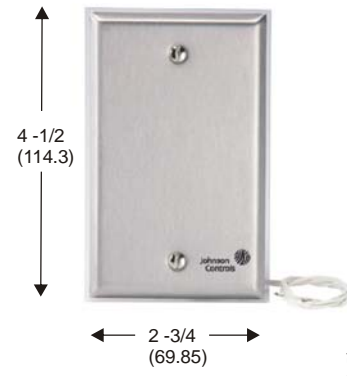


Figure 1: Flush Mount Sensor with Logo
Dimensions, in. (mm)

Mounting

Location Considerations

Consider the following mounting location guidelines:

- Avoid areas subject to excessive vibration, electrical noise, direct sunlight, or the effects of radiant heat.
- Keep electrical wiring as short as possible to minimize temperature error.

Mounting the Temperature Sensor

Mount the temperature sensor as follows:

1. Remove the appropriate knockout on the standard utility conduit box for the application.
2. Make the wiring connection to the system components.

Note: To make wiring easier, the sensor may be suspended from the conduit box using the rubber band.

Note: Level the sensor for appearance; however, the sensor functions normally when not level.

3. Mount the sensor to the wallbox or electrical box using the screws provided.

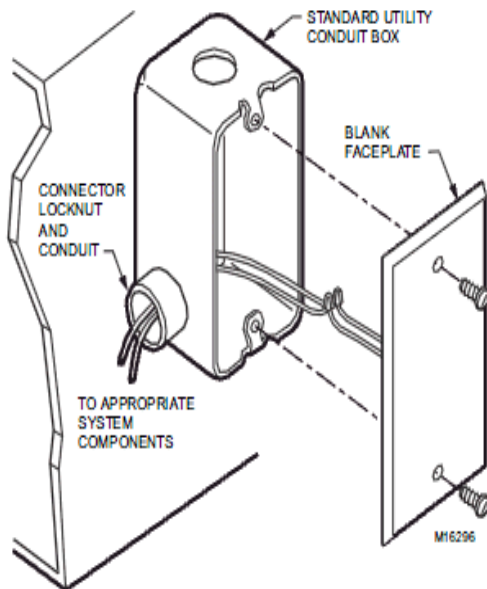


Figure 2: Installing a Sensor Plate to the Conduit Box

Wiring

For 1k ohm nickel temperature sensors, wire resistance can cause approximately 1F° (0.56C°) of error for every 250 ft (76 m) run of 18 AWG wire, or every 100 ft (31 m) run of 22 AWG wire. For 1k ohm platinum temperature sensors, wire resistance can cause approximately 1F° (0.56C°) of error for every 150 ft (46 m) run of 18 AWG wire, or every 50 ft (15 m) run of 22 AWG wire. To minimize error due to field wiring, limit the total resistance of all nickel temperature sensor wiring to 3 ohms, and all 1k ohm platinum temperature sensor wiring to 2 ohms.

The 10k ohm thermistor applications tolerate relatively long wiring before the wire resistance adds significantly to the total resistance measured at the controller. As a general rule, a 150 ft (46 m) two-wire 18 AWG run contributes 2 ohms of error, or less than 1F° (0.56C°) error over the sensor operating temperature range.

Refer to the appropriate controller documentation for recommended sensor wiring.



CAUTION: Risk of Property Damage.

Do not apply power to the system before checking all wiring connections. Short circuited or improperly connected wires may result in permanent damage to the equipment.

MISE EN GARDE : Risque de dégâts matériels.

Ne pas mettre le système sous tension avant d'avoir vérifié tous les raccords de câblage. Des fils formant un court-circuit ou connectés de façon incorrecte risquent d'endommager irrémédiablement l'équipement.

IMPORTANT: Use copper conductors only. Make all wiring connections in accordance with local, national, and regional regulations. Do not exceed the TE-6300F Series Flush Mount Temperature Sensor's electrical ratings.

Wiring Recommendations

IMPORTANT: Use proper Electrostatic Discharge (ESD) precautions during installation and operation to avoid damaging the electronic circuits. Use electrical tape to wrap the ends of the wire leads a minimum of 1 in. (25 mm), as well as to cover the wire nuts.

Use the wire nuts provided for connecting the lead wires to the controller wiring.

Repair Information

If the TE-6300F Series Temperature Flush Mount Sensor fails to operate within its specifications, replace the unit. For a replacement sensor, contact the nearest Johnson Controls® representative.

Technical Specifications

TE-63xxF-x Series Flush Mount Temperature Sensors

Models →	TE-6310F-0	1k ohm Nickel Flush Mount Temperature Sensor with Logo
	TE-6310F-1	1k ohm Nickel Flush Mount Temperature Sensor without Logo
	TE-6350F-0	1k ohm Platinum Flush Mount Temperature Sensor with Logo
	TE-6350F-1	1k ohm Platinum Flush Mount Temperature Sensor without Logo
	TE-6360F-0	10k ohm Thermistor Johnson Controls Type II Flush Mount Temperature Sensor with Logo
	TE-6360F-1	10k ohm Thermistor Johnson Controls Type II Flush Mount Temperature Sensor without Logo
Sensor Reference Resistance	1k ohm Nickel	1k ohms at 70°F (21°C)
	1k ohm Platinum	1k ohms at 32°F (0°C)
	10k ohm Thermistor	10.0k ohms at 77°F (25°C)
Sensor Accuracy	1k ohm Nickel	±0.34F° at 70°F (±0.19C° at 21°C)
	1k ohm Platinum	±0.35F° at 70°F (±0.19C° at 21°C), DIN Class A
	10k ohm Thermistor	±0.9F° (±0.5C°) in the Range: 32 to 158°F (0 to 70°C)
Sensor Temperature Coefficient	1k ohm Nickel	Approximately 3 ohm/F° (5.4 ohm/C°)
	1k ohm Platinum	Approximately 2 ohm/F° (3.9 ohm/C°) 3850 ppm/K
	10k ohm Thermistor	Nonlinear Negative Temperature Coefficient, Johnson Controls Type II
Electrical Connections		22 AWG (0.6 mm Diameter) x 12 ft (3 m) braided copper wires, low voltage insulation, half-stripped ends
Cover Plate Dimensions		2-3/4 x 4-1/2 in. (70 x 114 mm)
Operating Temperature Limits		0 to 40°C (32 to 104°F)
Operating Temperature Humidity		10 to 90% noncondensing

European Single Point of Contact:

JOHNSON CONTROLS
WESTENDHOF 3
45143 ESSEN
GERMANY

NA/SA Single Point of Contact:

JOHNSON CONTROLS
507 E MICHIGAN ST
MILWAUKEE WI 53202
USA

APAC Single Point of Contact:

JOHNSON CONTROLS
C/O CONTROLS PRODUCT
MANAGEMENT
NO. 22 BLOCK D NEW DISTRICT
WUXI JIANGSU PROVINCE 214142
CHINA



Building Efficiency

507 E. Michigan Street, Milwaukee, WI 53202

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Change Order Proposal

To: Victoria Air Conditioning
Attn: Ken Hasbrouck

Date: November 18, 2022
Project: Hidalgo County Courthouse
Replace Detention Cell Wall
Sensors CPR#74

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- New sensors won't have local setpoint adjustment nor relative humidity reading capabilities.
- Verify proper operation

Installation Labor: \$12,600.00

Material: \$2,450.00

Tech Commissioning Labor: 3,700.00

Exclusions & Clarifications

- No wall perforation or covering up is included
- Base contract terms & conditions apply
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Productivity + Security + Reliability + Efficiency

VICTORIA AIR CONDITIONING
Purchaser – Company Name

Johnson Controls
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Signature

Signature

Name: Ken Hasbrouck
PO #:

Name: Daniel Alvarez
Date: November 18, 2022

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