PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

3H-3

Meeting Date: July 22, 2008

[x] Consent [] Ordinance

[] Regular [] Public Hearing

Department: Facilities Development & Operations

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: JOC Work Order No. 08-111 with M.A.C. Construction, Inc., (R2007-0949) in the amount of \$445,063.70 to provide emergency HVAC back-up for critical areas of the Main Jail.

Summary: The work consists of the design and installation of new HVAC equipment which can be isolated for connection and support by the existing emergency generator determined to be critical to maintaining jail operations while commercial power is not available. This project is funded from the hurricane hardening account established in 2007 to project critical areas at the Criminal Justice Complex allowing, in large part, for the FY '08 cancellation of a future \$20,000,000 EOC Expansion Project. In addition, in FY '08, \$8,000,000 was swept from the Hurricane Hardening account to the General Fund. The SBE participation in this work order is 8.27%. When the participation for this work order is added to M.A.C.'s total participation-to-date, the resulting values are 16.5%. The SBE goals are 15%. The total construction duration is 180 days. This work will comply with all applicable local, state, and federal codes and regulations. (FD&O Admin) <u>Countywide/District 2</u> (JM)

Background & Justification: The Sheriff has a need to maintain operations in these critical areas both during and immediately following hurricanes. The existing HVAC equipment is too large for the existing generator and cannot be isolated to cover only these areas. This new equipment will provide the necessary emergency HVAC required.

Attachments:

- 1. Location Map
- 2. Work Order
- 3. Contractor's Cost Proposal
- 4. SBE Estimate Report
- 5. Budget Availability Statement

		7/2/20	
Recommended by:	Department Director	1\3\08 Date	<u></u>
Approved by:	, Waker	1115108	
	K County Administrator	Date	
	V)		

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Year	2008	2009	2010	2011	2012
Capital Expenditures Operating Costs	#5/8,500	0 0	0 0	0 0	0 0
External Revenues Program Income (County) In-Kind Match (County)	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
NET FISCAL IMPACT	\$518,500	0	0	0	0
# Additional FTE Positions (Cumulative)	_		_	_	
Is Item Included in Current I	Budget? Yes _>	<u>K</u> No			
Budget Account No: 3804-4	11-B405-4907				
Reporting Category					
Perommonded Sources	f Eurodo / Cumana	- of Eio		. .	

B. Recommended Sources of Funds/Summary of Fiscal Impact: Contract: # 445,063,70

A & E/Stable & 73, 436. JJ Contingeney: 73, 436. JJ C. Departmental Fiscal Review:

111. **REVIEW COMMENTS**

A. OFMB Fiscal and/or Contract Development & Control Comments:

Alphite 7.10.08 1/09/08 1/9/08 1/0/18 OFMB

A. Legal Sufficiency:

Contract Dev. and Control

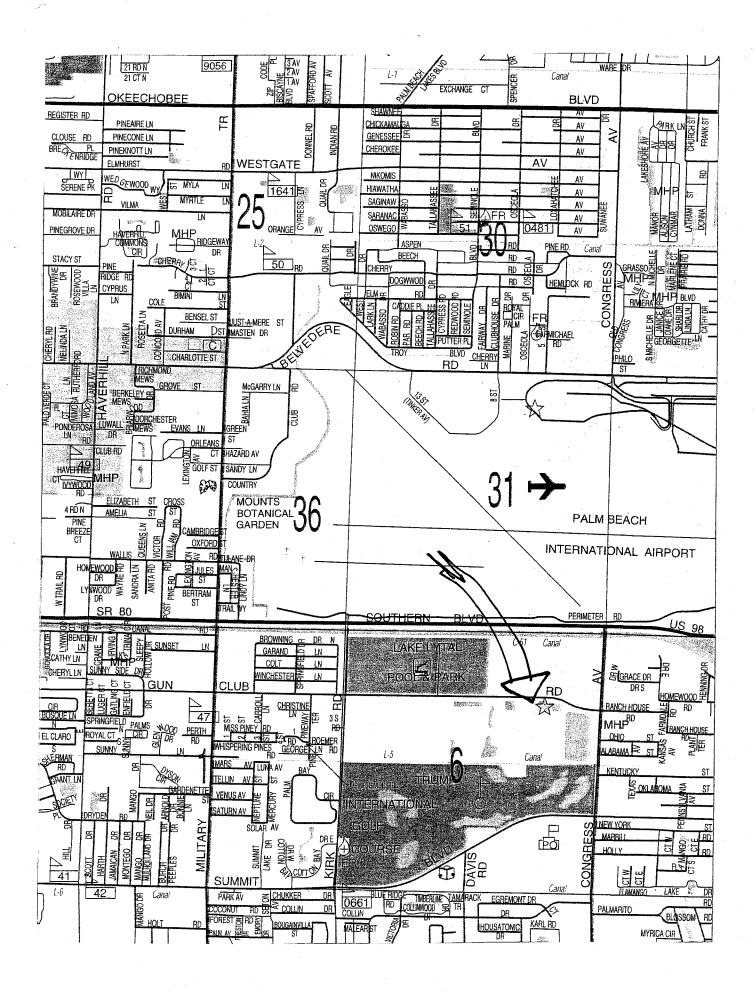
This item complies with current County policies.

-7/14/08 Assistant County Attorney

A. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.



ATTACHMENT # !

June 23, 2008	JOC Work Order Job Order Construction Services	
08539	CJC Main Jail - First Floor Line-up Area HVAC CJC South Tower Bldg, 3228 Gun Club Road 3228 Gun Club Road, WEST PALM BEACH	
Brief Description	Provide emergency power HVAC for the first floor line-up area and Staff r	program area located

Brief Description: Provide emergency power HVAC for the first floor line-up area and Staff program area located on the third floor per the plans by Gartek.

DISTRICT: 2

Contractor:	M.A.C. Constr 9500 N.W. 12 Miami, FL 331	Street
Contract:		Dated June 19, 2008
AMOUNT:	\$ 445,063.70	
Funding:	3804-411-B40	5-03-4907
JOC Work Order #		
Project Duration:	6 Months	(Liquidated damages will apply)

Approval Signatures

Daniel Racette, Project Coordinator	Caniel Carels 6-23-08
Audrey Wolf, Director	An Mar Work 1/3/09
Chair	(NOT REQUIRED FOR PROJECTS <\$100,000 OR >\$200,000)
Contract Review Committee	Date
Approved as to form and legal sufficiency	
County Attorney	Date
Addie L. Greene, Chairperson	
Board of County Commissioners	Date
	11 11

Alter G President 6/23 Date M.A.C. Construction, Inc.

COPY: Project File

JOC Work Order

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Procurement & Project Implementation Group 2633 Vista Parkway, West Palm Beach, FL 33411-5607



Job Order Contract Proposal Review - CSI Summary

Date	June 27, 2008
Job Order Number	: 08539
Job Order Name:	CJC Main Jail - First Floor Line-up Area HVAC
Review:	CJC Main Jail HVAC - 6/20/2008 4:20:04PM

Section 01	Subtotal for 01	\$37,233.45
Section 02	Subtotal for 02	\$4,990.55
Section 03	Subtotal for 03	\$15,179.85
Section 05	Subtotal for 05	\$934.31
Section 07	Subtotal for 07	\$5,111.99
Section 08	Subtotal for 08	\$445.08
Section 13	Subtotal for 13	\$147,691.74
Section 15	Subtotal for 15	\$204,113.96
Section 16	Subtotal for 16	\$26,712.77
Section 18	Subtotal for 18	\$2,650.00
Pronosal Review Total		\$445,063.70

Proposal Review Total

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

Proposal Review - CSI Summary

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ATTACHMENT #³

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Job Order Contract Proposal Review - CSI Detail

DateJune 27, 2008Job Order Number:08539Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/2008

	Sect.	ltem	Mod.	UOM	Descriptio	ń						l	Line Tota
Sect	ion 01	$\frac{1}{2}$						n fill and and		All Provident			i lostes
1	01352	1091		HR	Electricia These ite	n, Note: Line if ms will be requ	ems in Jested s	the CTC include specifically by the	e approp ne owne	riate costs to for miscellar	cover labor neous work r		\$9,831.6
					covered in	n the CTC.		Linit Drice		Factor		Total	
				Insta	allation	Quantity 240.00	x	Unit Price 38.97	x	1.0512	=	\$9,831.66	
						all AHU's, rei		cisting panel, d/o				its per plans	
2	01352	1091	1911	HR	For Forer					· · · · · · · · · · · · · · · · · · ·			\$491.9
						Quantity		Unit Price		Factor		Total	
					allation	240.00	х	1.95	x	1.0512		\$491.96	
				'hoo				existing panel, d					
3	01352	1311		HR	labor. The	tal Worker, No ese items will covered in the	be requ	e items in the C ested specifical	TC inclu ly by the	de appropriat owner for mi	e costs to co scellaneous		\$5,118.9
					work not	Quantity	010.	Unit Price		Factor		Total	
				Insta	allation	120.00	х	40.58	x	1.0512	=	\$5,118.92	
				retro	o fit ceiling to	accept new c	eiling A	HU's					
4	01352	1311	1911	HR	For Forer	nan, Add							\$256.0
			1		Quantity		Unit Price		Factor	-	Total \$256.07		
		Inst	allation	120.00	X	2.03	X	1.0512			<u> </u>		
5 01352	01352	1351		HR	labor. Th	Pipe Fitter, No ese items will covered in the	be requ	items in the CT ested specifical	C includ ly by the	e appropriate owner for m	e costs to co iscellaneous		\$3,794.2
						Quantity		Unit Price		Factor	_	Total \$3,794.29	
				allation	84.00 mechainical	X	42.97	X	1.0512	-	φ3,7 <i>3</i> 4.23		
6 01352	01352	1351	1911	HR	For Fore						<u> </u>		\$189.8
						Quantity		Unit Price		Factor		Total	
				Inst	allation	84.00	х	2.15	x	1.0512	=	\$189.85	
7	01510	2015		EA	Service 1	umpster (7 Tor o Deliver And r And Disposa	Pick-u	city) "Construction Of Dumpster,	on Debri Hauling	s" Note: Pric Of Debris, Ro	e Includes ental Of		\$2,680.
						Quantity		Unit Price		Factor	_	Total	
				Inst	allation	6.00	x	425.00	x	1.0512	=	\$2,680.56	
8	01590	1132		WK	42" x 100	" x 25' High P	latform						\$840.
						Quantity		Unit Price		Factor		Total	
				Inst	allation	2.00	X	399.96	x	1.0512		\$840.88	
9	01590	4708		WK	1-1/2" C` operator	7, 24" Bucket,	16'-6" [Deep, 90 HP Lo	ader-Ba	ckhoe Note: \	With full-time		\$3,209.2
					•	Quantity		Unit Price		Factor	_	Total	
				Inst	allation	1.00	х	3,052.98	<u> </u>	1.0512		\$3,209.29	
10	01590	9122		WΚ	70 Ton L	ift Hydraulic C	rane, V	/ith Full-Time O	perator				\$6,395.
				1	- Vation	Quantity		Unit Price		Factor	=	Total \$6,395.03	
					allation	1.00	X	6,083.55	<u>×</u>	1.0512	<u> </u>		\$4,424.
11	01590	9702		WK	4000 To	5999 LB Fork	lift With	Full-Time Oper	ator			_ / ·	⊅4,4 ∠4.
				1	allation	Quantity		Unit Price		Factor 1.0512	=	Total \$4,424.94	
				Inst	allation	3.00	x	1,403.14	X				
									and the second second second	Subto	tal for 01	.د مربع	37,233.4
		CALOR FOR MANY AND A CALOR MANY	table and an international date	New York Child Share Substances	WHO DOL N. LANSING MILLING TH	State State State State	10 P 10 12 / 12	AND STREET, ST	212271	医自己的 网络马克尔马克			

Proposal Review - CSI Detail

age 1 of 15 6/27/2008

Job Order Number: 08539

CJC Main Jail - First Floor Line-up Area HVAC Job Order Name: CJC Main Jail HVAC - 6/20/2008 4:20:04PM Review[.]

Revi	ew:	· .	CJC M	lain Jail HVAC -	6/20/2008 4	:20:04	4PM					
12	02112	7132		EA Drill 3'	' (76 mm) Diamete	er Core	e In 8" (20 cm) C	Concrete				\$377.80
				Installation	Quantity 10.00	x	Unit Price 35.94	x	Factor 1.0512	Ţ	Total \$377.80	
13	02112	7136		EA Drill 10)" (25 cm) Diamet	er Cor	e In 8" (20 cm) (Concrete	3		······	\$504.11
					Quantity		Unit Price		Factor		Total	
				Installation	4.00	х	119.89	x	1.0512	=	\$504.11	
14	02112	7901		than th	Drill Minimum Cha ne minimum char junction with any o	ge. Us	e this item exclu	isively.	al core drilling This item sho Factor	charg ould no	ge is less ot be used Total	\$364.48
				Installation	Quantity 1.00	x	346.73	x	1.0512	= '	\$364.48	
				for electrical	1.00	^	040.70	'n				
15	02201	1003		backh delive	oe, Dozer Or Roll oe, dozer, roller, l ry fee, delivery, se Quantity	oader,	excavator or sin nd return. Unit Price	nilar size	ed equipment Factor	. Inclu	for des Total \$329.12	\$329.12
				Installation	1.00	x	313.09	X	1.0512		·····	<u></u>
16	02215	2002		CY Excav Materi	ation for Trenchin ials and Trimming Quantity 60.00	g by H Sides x	and in Loose Ro and Bottom of Unit Price 49.83	ock Inclu Trench. X	ides Stockpili Factor 1.0512		cess Total \$3,142.88	\$3,142.88
17	02215	3001		CY Backf	illing or Placing Si	ubbase	e for Trenches w	rith Impo	orted or Stock	piled N	Materials by	\$95.87
				Machi			Unit Price		Factor		Total \$95.87	
				Installation	60.00	x	1.52	x	1.0512		\$95.67	<u> </u>
18	02215	3001	9914	CY For Q	uantities > 50 To	250 (>	39 m3 To 191 n	n3), Ado	1			\$23.97
					Quantity		Unit Price		Factor	_	Total	
				Installation	60.00	x	0.38	X	1.0512		\$23.97	
19	02555	1302		LF 3/4" (*	19 mm) Diameter,	Туре	K, Copper Tubir	ng, Wate				\$152.32
					Quantity		Unit Price		Factor 1.0512	_	Total \$152.32	
				Installation	30.00	х	4.83	x	1.0512		<i><i>ϕ</i> i</i>02.02	
				line to new a								4 000 55
								and the state of the second	Subto	tal to	5 r U2 *	4,990.55
Sec	tion 03					Nr El Af						General Sec
20	03110	1151		SF Below	Grade Walls Fou	undatio	on Wood Formw	ork Note	: Excludes for	oting		\$2,048.33
					Quantity		Unit Price		Factor		Total	
				Installation	552.00	х	3.53	х	1.0512	=	\$2,048.33	
21	03110	1151	1191	SF For Q	uantities < 1000,	Add						\$353.96
				Installation	Quantity 552.00	x	Unit Price 0.61	x	Factor 1.0512		Total \$353.96	
22	03210	2103		TON Grade	e 60 Reinforcing S	Steel, E	Beams, Columns	s, Walls,	#3-#6			\$1,270.03
					Quantity		Unit Price		Factor		Total	
				Installation	0.80	х	1,510.22	X	1.0512		\$1,270.03	
23	03220	1001		SF 6x6	x #10, 21#/CSF, \	Welde	d Wire Reinforce	ement In	Slabs, (W 1.	4 x W	1.4)	\$191.49
				Installation	Quantity 552.00	x	Unit Price 0.33	x	Factor 1.0512		Total \$191.49	
	03311	1165			Slab On Grade, <				I Concrete			\$5,018.43
24	00011	1100			Quantity		Unit Price		Factor		Total	
				Installation	40.00	x	119.35	x	1.0512	=	\$5,018.43	
25	03311	1165	3030	CY For C	uantities > 20 To	50, Ac	dd					\$134.55
20				Installation	Quantity	x	Unit Price 3.20	x	Factor 1.0512		Total \$134.55	
					40.00	^	5.20				<u></u>	

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name: CJC Main Jail - First Floor Line-up Area HVAC C IC Main Jail HVAC - 6/20/2008 4:20:04PM Povi

50 1 05 01 1	1198		is limited Installation patch holes on 1 SF Concrete Installation	or when directe Quantity 500.00	ed by th x as nece	e owner. Unit Price 11.24 essary from HV/ Trowel Unit Price	x	Factor Factor 1.0512 = actor lines Factor	nt access Total \$5,907.74 Total	\$5,907.74 \$255.32
05 01 1			SF Concrete Installation	Floor Finishes Quantity	, Steel	Trowel Unit Price			Total	\$255.32
00 01 1				-	x	-		Factor	Total	
00 01 1		Transie				0.44	x	1.0512 =	\$255.32	
00 01 1		÷.				,		Subtotal for	r 03 \$1	5,179.85
01 1	1013				eren jak Presida jak	Constant Street		and the same share the second s	spectrum and	
01 -			EA 7/8" Dian	neter x 24" Lon	g, J-Tyj	pe Anchor Bolt				\$815.39
01			·	Quantity		Unit Price		Factor	Total \$815.39	
01 ⁻			Installation	48.00	<u>x</u>	16.16	x	1.0512 =	\$010.09	\$0.00
	1013	9904	EA For Stain	less Steel Bolts	s, Add	List Drive		Factor	Total	φ 0 .00
			Installation	Quantity 0.00	x	Unit Price 45.22	x	Factor 1.0512 =	\$0.00	
01 -	1013	9910								\$-8.0
	1010	0010				Unit Price		Factor	Total	
			Installation	48.00	x	-0.16	x	1.0512 =	\$-8.07	
05 2	2003	,	LF 3/8" Dian	neter Threaded	Rod					\$126.99
				Quantity		Unit Price		Factor	Total	
			Installation	40.00	×	3.02	X	1.0512 -	\$120.90	
								Subtotal fo	<u>r 05</u>	\$934.3
07					de Africa d Na Sange	ing and a second second			and a second s	
31 (6001		CSF 10 Mil PV	/C Vapor Barrie	ər					\$1,273.1
			Installation	Quantity		Unit Price				
10	1000						×	1.0012		\$47.4
40	1006		EA Firestop	-	er noie			Factor	Total	
			Installation	-	x	4.51	x	1.0512 =	\$47.41	
40	3013		CLF Fire Cau		2"x1" Jo	oint				\$3,791.4
				Quantity		Unit Price		Factor	Total	
			Installation	10.00	<u>x</u>	360.68	x	1.0512 =		
		-						Subtotal fo	r 07 🕈	5,111.9
08	16. K	e ijstice.		a second				eres and end of the states.	「「「「「」」	
05	2105		EA 24"x24"	Access Doors	With Lo	ck, Fire Rated				\$445.0
				Quantity		Unit Price		Factor	Total	
			Installation	2.00	x	211.70	Х	1.0512 =	\$445.08	
								Subtotal fo		\$445.0
13		19 <u>1</u> 14 14					e r ne		arstant of the second	
			PNT Wiring P	er Point For Fi	eld Moo	lules				\$38,370.4
				Quantity		Unit Price		Factor	Total	
				268.00	x	136.20	х	1.0512 =	\$38,370.48	
	4001		````					-	<u> </u>	\$1,009.1
847	1201		HR Site Insp			Linit Drice		Factor	Total	
			Installation		x		x	1.0512 =	\$1,009.15	
	15 07 11 10 40 08 05 13 47 47	95 2003 07	95 2003 07	1 1013 9910 EA For Quar Installation 15 2003 LF 3/8" Dian Installation 10 10 10 10 10 10 10 10 10 10	0.00 0.00 11 1013 9910 EA For Quantities > 10 To 5 01 1013 9910 EA For Quantities > 10 To 5 02 Quantity Installation 48.00 15 2003 LF 3/8" Diameter Threaded Quantity Installation 40.00 07 Quantity Installation 55.00 10 6001 CSF 10 Mil PVC Vapor Barrie Quantity Installation 55.00 10 1006 EA Firestopping 2" Diameter Quantity Installation 10.00 10 3013 CLF Fire Caulk And Seal, 1/. Quantity Installation 10.00 08 Quantity Installation 2.00 13 Quantity Installation 2.00 13 Quantity Installation 268.00 2105 EA 24"x24" Access Doors N Quantity Quantity Installation 2.68.00	0.00×10^{-1} $11 1013 9910 EA For Quantities > 10 To 50, Ded Quantity Installation 48.00 \times 10^{-1}$ $15 2003 LF 3/8" Diameter Threaded Rod Quantity Installation 40.00 \times 10^{-1}$ $16 6001 CSF 10 Mil PVC Vapor Barrier Quantity Installation 55.00 \times 10^{-1}$ $10 1006 EA Firestopping 2" Diameter Hole Quantity Installation 10.00 \times 1000 \times 10000 \times 100000 \times 10000 \times 100000 \times 10000000 \times 10000000 \times 100000000$	0.00×1012 0.00×1002	$0.00 \times 0.00 \times $	110139910EAFor Quantities10 To 50, DeductInstallationQuantityUnit PriceFactor1052003LF3/8" Diameter Threaded RodFactorQuantityUnit PriceFactor1051006CSF10 Mil PVC Vapor BarrierQuantityQuantityUnit PriceFactor116001CSF10 Mil PVC Vapor BarrierQuantityQuantityUnit PriceFactor116001CSF10 Mil PVC Vapor BarrierQuantityQuantityUnit PriceFactor101006EAFirestopping 2" Diameter Hole With 3/4" Pipe101006EAFirestopping 2" Diameter Hole With 3/4" Pipe101000X4.51X103013CLFFire Caulk And Seal, 1/2"X1" JointQuantityUnit PriceFactor1010.00X360.68X103013CLFFire Caulk And Seal, 1/2"X1" JointQuantityUnit PriceFactorInstallation10.00X2.00X21.0512102105EA24"x24" Access Doors With Lock, Fire Rated10QuantityUnit PriceFactor1010.10PNTWiring Per Point For Field Modules11QuantityQuantityUnit Price12Installation268.00X13QuantityUnit PriceFactor1471101PNT <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td>	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Job Order Number: 08539

Job Order Name: CJC Main Jail - First Floor Line-up Area HVAC **Review:** CJC Main Jail HVAC - 6/20/2008 4:20:04PM

	iew:		CJC Main Ja									
38	13847	1202	HR	System T	raining							\$546.62
				stallation	Quantity 8.00	x	Unit Price 65.00	x .	Factor 1.0512	=	Total \$546.62	
20	13847	1204	HR		agnostics, Te	chnicia	an .	<u></u>				\$546.62
	10047	1204	In	istallation	Quantity 8.00	x	Unit Price 65.00	X	Factor 1.0512	=	Total \$546.62	
40	13847	1451	EA		t Note: Price p	er poir	nt					\$960.00
,0			In	eimens control	Quantity 17.00	x	Unit Price 53.72	X	Factor 1.0512	=	Total \$960.00	
41	13847	1511	EA	Checkou	/Startup Of Co	ontrols	Note: Price per	ooint				\$210.2
				nstallation eimens control	Quantity 3.00	x	Unit Price 66.67	X	Factor 1.0512	=	Total \$210.25	
42	13847	3101	EA	Central C	ontrol Units, L	arge			~		\$	17,549.6
				nstallation eimens control	Quantity 1.00 s & retrofits	x	Unit Price 16,694.85	X	Factor 1.0512	=	Total \$17,549.63	
43	13847	4101	EA			n Basic	Operating Syst	em	<u> </u>		<u> </u>	\$7,858.5
10			Ir	nstallation eimens control	Quantity 1.00	x	Unit Price 7,475.78	x	Factor 1.0512	=	Total \$7,858.54	
	13847	5001		Includes: Calculate Reports, Event Pr Program Chiller W	Program Inpu ed Point, Analo Data Environr ograms, Exter , Ventilation A Jater Tempera Quantity 1.00	its, Cor og Mon nent, R ded S nd Ree	ckage Application mmand Priorities itoring, Analog T Restart, Predictor rervice, Schedule circulation, Hot V eset, Condenser Unit Price 3,226.50	s, Analog otalizatio Corrected Start-S Vater Ou	Commands on, Energy T or Software, Stop, Day-Ni utside Air Res emperature Factor	, Alarma otalizati Time P ght Setl set Prog Reset	s, ion rograms, back gram, Total	
			S	eimens contro	e & rotrofite		5,220.00		1.0512		\$3,391.70	
	40047								1.0512		\$3,391.70	\$2 309 1
45	13847	5005		nstallation	zer Application Quantity 1.00			x	1.0512 Factor 1.0512		\$3,391.70 Total \$2,309.16	\$2,309.1
		5005	l	nstallation eimens contro	zer Application Quantity 1.00	x	grams Unit Price 2,196.69	x	Factor		Total	
	13847		EA I	nstallation eimens contro	zer Application Quantity 1.00 Is & retrofits ptimization Ap Quantity 1.00	x	grams Unit Price 2,196.69	x	Factor		Total	
46	13847		EA I	nstallation eeimens contro Chiller O nstallation seimens contro	zer Application Quantity 1.00 Is & retrofits ptimization Ap Quantity 1.00 Is & retrofits	x plicatio x	grams Unit Price 2,196.69 ons Programs Unit Price	x	Factor 1.0512 Factor		Total \$2,309.16 Total	\$2,826.4
46		5009	I S EA I S EA	nstallation eeimens contro Chiller O nstallation seimens contro	zer Application Quantity 1.00 Is & retrofits ptimization Ap Quantity 1.00 Is & retrofits perature Sens Quantity 2.00	x plicatio x	grams Unit Price 2,196.69 ons Programs Unit Price 2,688.75	x	Factor 1.0512 Factor	=	Total \$2,309.16 Total	\$2,826.4 \$273.5
46	13847	5009	I S EA I S EA	nstallation Geimens contro Chiller O Installation Seimens contro OA Tem Installation Seimens contro	zer Application Quantity 1.00 Is & retrofits ptimization Ap Quantity 1.00 Is & retrofits perature Sens Quantity 2.00 Is & retrofits	x plicatio x or Field x	grams Unit Price 2,196.69 ons Programs Unit Price 2,688.75 d Equipment, Se Unit Price	x nsors x	Factor 1.0512 Factor 1.0512 Factor 1.0512	=	Total \$2,309.16 Total \$2,826.41 Total	\$2,309.1 \$2,826.4 \$273.9 \$7,345.0

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name: CJC Main Jail - First Floor Line-up Area HVAC Review. CJC Main Jail HVAC - 6/20/2008 4:20:04PM

	ew:			ain Jail HVAC -	-						
49	13847	9703		EA TEC, V	ariable Air Volur	ne Elec	tric Output			\$	18,910.81
				Installation seimens contr	Quantity 17.00 ols & retrofits	x	Unit Price 1,058.22	x	Factor 1.0512 =	Total \$18,910.81	
50	13847	9802			nclosure, 40 Poi	nts					\$4,668.04
		0002		Installation seimens contr	Quantity 1.00	x	Unit Price 4,440.68	x	Factor 1.0512 =	Total \$4,668.04	
51	13847	9803			ontrol Module						\$6,136.90
•		、 、		Installation seimens contr	Quantity 1.00	x	Unit Price 5,837.99	x	Factor 1.0512 =	Total \$6,136.90	
52	13847	9804	· · ·	EA DDC P	ower Module				- <u></u>	······································	\$2,156.4
				Installation seimens contr	Quantity 1.00 ols & retrofits	x	Unit Price 2,051.42	x	Factor 1.0512 =	Total \$2,156.45	
53	13847	9806			emote Controlle	r Modul	le				\$6,766.9
				Installation seimens conti	Quantity 2.00 ols & retrofits	x	Unit Price 3,218.70	x	Factor 1.0512 =	Total \$6,766.99	
54	13847	9809		EA DDC P	oint Module 2 A	nalog C	utput Electric			4	\$25,854.9
				Installation seimens contr	Quantity 24.00 ols & retrofits	x	Unit Price 1,024.82	x	Factor 1.0512 ⁼	Total \$25,854.98	
	*****			×******			<u></u>		Subtota	l for 13 \$14	7,691.7
Sec	tion 15	Particular - 120 Alternation			and the second second						
	AND A CONTRACT OF A CAL	- 10 CM - 6 State - 6 CM - 6				Contraction of the second		2.1616.0025.003	·····································		
	15043	2004		EA Balanc	ing Package A/0	C Unit					\$506.3
	15043	2004		•	ing Package A/0 Quantity	C Unit	Unit Price		Factor	Total	\$506.3
				Installation	Quantity 4.00	x	120.42	X	Factor 1.0512 =	A.C.O.O. 4	
56	15043	2004		Installation	Quantity 4.00 Balance, Air Co	x	120.42 lenser	<u>×</u>	1.0512 =	\$506.34	
56				Installation	Quantity 4.00 Balance, Air Cor Quantity	x ol Cond	120.42 lenser Unit Price	<u>х</u> х		\$506.34 Total	
				Installation EA Water Installation	Quantity 4.00 Balance, Air Co	x ol Cond x	120.42 lenser Unit Price 220.78		1.0512 = Factor	\$506.34 Total	\$928.3
	15043	4001		Installation EA Water Installation EA Water	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity	x ol Cond x , Water	120.42 lenser Unit Price 220.78 Cooled Unit Price	X	1.0512 = Factor 1.0512 = Factor	\$506.34 Total \$928.34 Total	\$928.3
57	15043 15043	4001		Installation EA Water Installation EA Water Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00	x ol Cond x , Water x	120.42 lenser Unit Price 220.78 Cooled Unit Price 321.10	x	1.0512 = Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total	\$928.3 \$337.5
57	15043	4001		Installation EA Water Installation EA Water Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter	x ol Cond x , Water x	120.42 lenser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/	x	1.0512 = Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54	\$928.3 \$337.5
57	15043 15043	4001		Installation EA Water Installation EA Water Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity	x ol Cond x , Water x	120.42 lenser Unit Price 220.78 Cooled Unit Price 321.10	x	1.0512 = Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54 Total	\$928.3 \$337.5
57	15043 15043	4001	2006	Installation EA Water Installation EA Water Installation LF 2-1/2" Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter	x ol Cond x , Water x (60 mn x	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17	x x Tubing T	1.0512 = Factor 1.0512 = Factor 1.0512 = ype L Factor	\$506.34 Total \$928.34 Total \$337.54 Total	\$928.3 \$337.5 \$8,291.4
57	15043 15043 15063	4001	2006	Installation EA Water Installation EA Water Installation LF 2-1/2" Installation LF For Wa	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity 280.00 ork In Restricted Quantity	x ol Cond x , Water x (60 mn x	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17 ng Space, Add Unit Price	x x Tubing T x	1.0512 = Factor 1.0512 = Factor 1.0512 = ype L Factor 1.0512 = Factor	\$506.34 Total \$928.34 Total \$337.54 Total \$8,291.45 Total	\$928.3 \$337.5 \$8,291.4
57 58 59	15043 15043 15063 15063	4001 4004 1109 1109	2006	Installation EA Water Installation EA Water Installation LF 2-1/2" Installation LF For Wa	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity 280.00 ork In Restricted Quantity 280.00	x ol Cond x , Water x (60 mn x V Workir x	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17 ng Space, Add Unit Price 2.59	x x Tubing T	1.0512 = Factor 1.0512 = Factor 1.0512 = 'ype L Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54 Total \$8,291.45 Total	\$928.3 \$337.5 \$8,291.4 \$762.3
57 58 59	15043 15043 15063	4001	2006	Installation EA Water Installation EA Water Installation LF 2-1/2" Installation LF For Wa Installation LF 3/8" In	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity 280.00 ork In Restricted Quantity 280.00 side Diameter T Quantity	x ol Cond x , Water x (60 mn x (60 mn x ype L C	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17 ng Space, Add Unit Price 2.59 Copper Tubing Unit Price	x Tubing T x x	1.0512 = Factor 1.0512 = Factor 1.0512 = ype L Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54 Total \$8,291.45 Total \$762.33	\$928.3 \$337.5 \$8,291.4 \$762.3
57 58 59 60	15043 15043 15063 15063 15063	4001 4004 1109 1109 1602		Installation EA Water Installation EA Water Installation LF 2-1/2" Installation LF For Water Installation LF 3/8" In Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity 280.00 ork In Restricted Quantity 280.00 side Diameter T Quantity 200.00	x ol Cond x , Water x (60 mn x I Workir ype L C x	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17 ng Space, Add Unit Price 2.59 Copper Tubing Unit Price 2.77	x x Tubing T x	1.0512 = Factor 1.0512 = Factor 1.0512 = ype L Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54 Total \$8,291.45 Total \$762.33	\$928.3 \$337.5 \$8,291.4 \$762.3 \$582.3
57 58 59 60	15043 15043 15063 15063	4001 4004 1109 1109	2006	Installation EA Water Installation EA Water Installation LF 2-1/2" Installation LF For Water Installation LF 3/8" In Installation	Quantity 4.00 Balance, Air Coo Quantity 4.00 Balance, Chiller Quantity 1.00 Inside Diameter Quantity 280.00 ork In Restricted Quantity 280.00 side Diameter T Quantity	x ol Cond x , Water x (60 mn x I Workir ype L C x	120.42 Ienser Unit Price 220.78 Cooled Unit Price 321.10 n) Copper Pipe/ Unit Price 28.17 ng Space, Add Unit Price 2.59 Copper Tubing Unit Price 2.77	x Tubing T x x	1.0512 = Factor 1.0512 = Factor 1.0512 = ype L Factor 1.0512 = Factor 1.0512 =	\$506.34 Total \$928.34 Total \$337.54 Total \$8,291.45 Total \$762.33 Total \$582.36	\$506.34 \$928.34 \$337.54 \$8,291.44 \$762.33 \$582.30 \$582.30

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Job Order Number: 08539

Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

						.20.011	/20/2008 4		nam va	000		ew:	
\$1,492.28						, Coppe	Degree Elbow	2-1/2" 90	EA		2118	15063	62
	Total		Factor		Unit Price		Quantity						
	\$1,492.28	=	1.0512	x	59.15	x	24.00	nstallation	In				
\$139.26					Solder, Add	d Of 95/	r Solder Instead	For Silve	EA	2001	2118	15063	63
	Total		Factor		Unit Price		Quantity						
	\$139.26	= ·	1.0512	x	5.52	х	24.00	nstallation	In				
\$193.76					Space, Add	Norking	In Restricted V	For Worl	EA	2006	2118	15063	64
	Total		Factor		Unit Price		Quantity	· · · ·					
	\$193.76	=	1.0512	x	7.68	x	24.00	nstallation	in				
\$380.95						, Coppe	Degree Elbow	2-1/2" 45	EA		2139	15063	65
	Total		Factor		Unit Price		Quantity						
	\$380.95	=	1.0512	x	60.40	х	6.00	nstallation	. In				
\$35.19					Solder, Add	d Of 95/	r Solder Instea	For Silve	EA	2001	2139	15063	66
	Total		Factor		Unit Price		Quantity						
	\$35.19	=	1.0512	х	5.58	x	6.00	nstallation	In				
\$48.44	-				Space, Add	Working	(In Restricted)	For Worl	EA	2006	2139	15063	67
	Total		Factor		Unit Price		Quantity						
	\$48.44	=	1.0512	X	7.68	x	6.00	nstallation	In				
\$1,595.41					at		opper Tee - Stra	2-1/2" C	EA		2159	15063	68
	Total		Factor		Unit Price		Quantity	0			2100	10000	00
	\$1,595.41	=	1.0512	x	101.18	х	15.00	nstallation	In				
\$140.34							er Solder Instea	For Silve	EA	2001	2159	15063	60
	Total		Factor		Unit Price	u 01 00.	Quantity			2001	2100	10000	03
	\$140.34	=	1.0512	x	8.90	x	15.00	nstallation	Ír				
\$181.65							k In Restricted		EA	2006	2159	15063	70
	Total		Factor		Unit Price	vvorking		101 4401		2000	2109	15005	70
	\$181.65	=	1.0512	x	11.52	x	Quantity 15.00	nstallation	Ir				
\$1,580.58					11.02						0400	45000	
• •	Total		Factor		11.11 Dates	Couping	traight Copper (2-112 5	EA		2189	15063	71
	\$1,580.58	=	Factor 1.0512	x	Unit Price 42.96	v	Quantity	nstallation	Ir				
\$168.14				<u>^</u>		X	35.00						
•••••	Total		Fester			ia Ut 95/	er Solder Instea	For Silve	EA	2001	2189	15063	72
	\$168.14	=	Factor 1.0512	x	Unit Price	<u></u>	Quantity	Installation	Ir				
\$266.74		<u> </u>			4.57	X	35.00		,				
Ψ200.1	Total		Feeter			vvorking	k In Restricted	For Wor	EA	2006	2189	15063	73
	\$266.74	=	Factor 1.0512		Unit Price		Quantity	Installation					
\$221.89			1.0012	X	7.25	<u>×</u>	35.00						
ΨΖΖ 1.00	Total		- .			er Coupli	educing Coppe	2-1/2" R	EA		2218	15063	74
	Total \$221.89	=	Factor 1.0512		Unit Price		Quantity	Installation					
\$21.36	<u> </u>		1.0312	X	52.77	X	4.00	Installation	· · · · · · · · · · · · · · · · · · ·		· · ·		
ψ21.00	Tatal		-			ad Of 95	er Solder Instea	For Silv	EA	2001	2218	15063	75
	Total \$21.36		Factor 1.0512		Unit Price		Quantity						
\$30.74			1.0512	<u>x</u>	5.08	x	4.00	Installation					
ψου./*	T _1 4		. .			Working	k In Restricted	For Wo	EA	2006	2218	15063	76
	Total \$30.74		Factor		Unit Price		Quantity	1					
	ψ 30.7 4		1.0512	x	7.31	x	4.00	Installation	L.				
\$619.0						Male	opper Adapter,	2-1/2" C	EA		2239	15063	77
	Total		Factor		Unit Price		Quantity						
	\$619.05		1.0512	х	98.15	х	6.00	Installation	1				

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Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

	ew:			ain Jail HVAC - 6			a strange strange					
78	15063	2239	2001	EA For Silve	r Solder Instea	d Of 95	/5 Solder, Add					\$53.86
					Quantity		Unit Price		Factor		Total	
				Installation	6.00	x	8.54	X	1.0512	=	\$53.86	
79	15063	2239	2006	EA For Work	In Restricted	Working	y Space, Add					\$68.69
					Quantity		Unit Price		Factor		Total	
				Installation	6.00	x	10.89	х	1.0512	=	\$68.69	
30	15063	2258		EA 2-1/2" Co	opper Union, SI	raight,	Copper To Copp	ber				\$912.08
					Quantity		Unit Price		Factor		Total	
				Installation	6.00	х	144.61	x	1.0512	=	\$912.08	
81	15063	2258	2001	EA For Silve	r Solder Instea		/5 Solder, Add		<u> </u>			\$64.90
.,	10000				Quantity		Unit Price		Factor		Total	
				Installation	6.00	x	10.29	X	1.0512	=	\$64.90	
0.0	15062	2258	2006		In Restricted						<u></u>	\$57.84
52	15063	2200	2000	EA FOLVVOR		VVUINIŲ			Factor		Total	
				Installation	Quantity	v	Unit Price 9.17	x	1.0512	=	\$57.84	
	45000				6.00	X	5.17					\$658.79
83	15063	2268		EA 2-1/2" Ca	ap, Copper, Sw	eat			F t - r		Total	<i>\\</i> 0000.10
				Installation	Quantity		Unit Price		Factor 1,0512	=	\$658.79	
				Installation	15.00	х	41.78	X	1.0512			\$55.35
84	15063	2268	2001	EA For Silve	r Solder Instea	d Of 95	i/5 Solder, Add					\$ 00.00
					Quantity		Unit Price		Factor	-	Total	
				Installation	15.00	x	3.51	x	1.0512		\$55.35	
85	15063	2268	2006	EA For Worl	In Restricted	Workin	g Space, Add					\$67.33
					Quantity		Unit Price		Factor		Total	
				Installation	15.00	x	4.27	x	1.0512	=	\$67.33	
86	15063	2507		EA Cut And	Prepare 2-1/2"	' (60 mr	n) Pipe					\$77.96
					Quantity		Unit Price		Factor		Total	
				Installation	12.00	х	6.18	х	1.0512	=	\$77.96	
87	15063	4303		LF 5/8" Out	side Diameter	ACR Co	opper Tubing, A	nnealed		• • •		\$674.87
•.					Quantity		Unit Price		Factor		Total	
				Installation	200.00	x	3.21	х	1.0512	=	\$674.87	
88	15063	5004		LF 1" Inside And Cou Assemb	plings, Elbow,	mm) Co Tee, Ro	opper Pipe/Tubin educer Fittings.	ng Type All Hang	L, Prices Inc gers Are Con	lude A nplete		\$1,513.73
					Quantity		Unit Price		Factor		Total \$1,513.73	
				Installation	120.00	Х	12.00	X	1.0512		\$1,515.75	
89	15075	1105		LF 1" Inside	Diameter Rub	ber Ho	se And Clamp					\$143.75
					Quantity		Unit Price		Factor		Total	
				Installation	25.00	X	5.47	<u>×</u>	1.0512	=	\$143.75	
							Carewood Ende					\$1,738.83
90	15084	1107		EA 2-1/2" B	asket Strainer,	Bronze	e, Screwed Ends					
90	15084	1107		EA 2-1/2" B		Bronze	Unit Price	•	Factor		Total	
90	15084	1107		EA 2-1/2" B	Quantity	Bronze		x	Factor 1.0512		1 otal \$1,738.83	
			2111	Installation	Quantity 2.00	x	Unit Price 827.07					\$29.48
	15084 15084	1107	2111	Installation	Quantity 2.00 k In Restricted	x	Unit Price 827.07 Ig Space, Add			=		\$29.48
			2111	Installation	Quantity 2.00 k In Restricted Quantity	x Workir	Unit Price 827.07 Ig Space, Add Unit Price		1.0512	=	\$1,738.83	\$29.48
91	15084	1107	2111	Installation EA For Wor Installation	Quantity 2.00 k In Restricted Quantity 2.00	x Workir	Unit Price 827.07 Ig Space, Add Unit Price 14.02	x x	1.0512 Factor	=	\$1,738.83 Total	
91			2111	Installation EA For Wor Installation	Quantity 2.00 k In Restricted Quantity 2.00 djustable Pipe	x Workir	Unit Price 827.07 Ig Space, Add Unit Price 14.02 Support, Type 3	x x	1.0512 Factor 1.0512	=	\$1,738.83 Total	
91	15084	1107	2111	Installation EA For Wor Installation EA 2-1/2" A	Quantity 2.00 k In Restricted Quantity 2.00 djustable Pipe Quantity	x Workir x Saddle	Unit Price 827.07 Ig Space, Add Unit Price 14.02 Support, Type 3 Unit Price	x x 38	1.0512 Factor 1.0512 Factor	=	\$1,738.83 Total \$29.48	
91 92	15084 15094	1107 5401	2111	Installation EA For Wor Installation EA 2-1/2" A Installation	Quantity 2.00 k In Restricted Quantity 2.00 djustable Pipe Quantity 75.00	x Workir x Saddle x	Unit Price 827.07 Ig Space, Add Unit Price 14.02 Support, Type 3 Unit Price 68.15	x 	1.0512 Factor 1.0512 Factor 1.0512	=	\$1,738.83 Total \$29.48 Total \$5,372.95	\$5,372.95
91 92	15084	1107	2111	Installation EA For Wor Installation EA 2-1/2" A Installation EA 2-1/2" B	Quantity 2.00 k In Restricted Quantity 2.00 djustable Pipe Quantity 75.00	x Workir x Saddle x	Unit Price 827.07 Ig Space, Add Unit Price 14.02 Support, Type 3 Unit Price	x 	1.0512 Factor 1.0512 Factor 1.0512	=	\$1,738.83 Total \$29.48 Total \$5,372.95 Wafer	\$5,372.95
91 92	15084 15094	1107 5401	2111	Installation EA For Wor Installation EA 2-1/2" A Installation	Quantity 2.00 k In Restricted Quantity 2.00 djustable Pipe Quantity 75.00	x Workir x Saddle x	Unit Price 827.07 Ig Space, Add Unit Price 14.02 Support, Type 3 Unit Price 68.15	x 	1.0512 Factor 1.0512 Factor 1.0512	= = = 0 PSI	\$1,738.83 Total \$29.48 Total \$5,372.95	\$29.48 \$5,372.95 \$1,361.18

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Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

94 ·										
94	15103	1002	4001	EA For W	ork In Restricted V	Vorking Space, Add				\$163.15
					Quantity	Unit Price		Factor	Total	
				Installation	8.00	x 19.40	x	1.0512	= \$163.15	
95 ·	15112	7101		EA 3/4" T	o 1" Backflow Devi	ce 6" Wide x 26" Lor	ng x 22" H	igh Cover		\$445.8
					Quantity	Unit Price		Factor	Total	
				Installation	1.00	x 424.13	x	1.0512 ⁻	= \$445.85	
				rpz backflow	preventor on existi	ng water line in court	tyard			
96	15115	1002		EA 3/4" F	aucet, Bronze Gar	den Hose Valve With	Screwed	Ends, 125#		\$24.8
					Quantity	Unit Price		Factor	Total	
				Installation	1.00	x 23.62	x	1.0512	= \$24.83	
97	15161	4102		EA 600-1 Rod S	000# Rated Spring	And Rubber Hanger	For Vibra	tion Isolation	With 7/8" Max	\$15,236.6
				ittou c	Quantity	Unit Price		Factor	Total	
				Installation	75.00	x 193.26	х	1.0512	= \$15,236.62	
98	15177	2101			allon Volume Expa i Acceptance	nsion Tank, Diaphrag	gm Type (\$1,136.0
					Quantity	Unit Price		Factor	Total = \$1,136.06	
				Installation	1.00	x 1,080.73	X	1.0512	- \$1,130.00	
99	15182	1407		LF 2-1/2"	Diameter Pipe, 2"	Thick Fiberglass Ins	ulation			\$2,966.9
					Quantity	Unit Price		Factor	Total	
				Installation	280.00	x 10.08	x	1.0512	= \$2,966.91	
100	15182	1407	1905	LF For W	ater Resistant Cel	Iular Glass Insulation	n, Add			\$1,524.6
					Quantity	Unit Price		Factor	Total	
				Installation	280.00	x 5.18	x	1.0512	= \$1,524.66	
101	15182	1407	1999	LF For W	ork In Restricted V	Vorking Space, Add				\$382.6
					Quantity	Unit Price		Factor	Total	
				Installation	280.00	x 1.30	x	1.0512	= \$382.64	
102	15262	1401		EA 5 Gal	on Bypass Shot C	hemical Feeder, Floo	or Mount,	300# ASME C	ode	\$1,193.8
					Quantity	Unit Price		Factor	Total	
				Installation	1.00	x 1,135.71	x	1.0512	= \$1,193.86	
·····				EA 2-1/2	and the second	vaporator Coil, Upflo	w			\$1,113.2
103	15661	8103		EA 2-1/2	TON COOMING AVE L	vaporator oon, opno				
103	15661	8103		EA 2-1/2				Factor	Total	
103	15661	8103		Installation	Quantity	Unit Price x 353.01	x	Factor 1.0512		
				Installation	Quantity 3.00	Unit Price x 353.01		1.0512	= \$1,113.25	
	15661 15671	8103 2005		Installation	Quantity 3.00 n Packaged Chille	Unit Price x 353.01 r With Remote Air Co	ooled Cor	1.0512	= \$1,113.25	\$39,807.7
				Installation	Quantity 3.00 n Packaged Chille Quantity	Unit Price x 353.01 r With Remote Air Co Unit Price	ooled Cor	1.0512 idensers	= \$1,113.25 Tota	\$39,807.7
104	15671	2005	2032	Installation EA 30 To Installation	Quantity 3.00 n Packaged Chille Quantity 1.00	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87	ooled Cor	1.0512 idensers Factor	= \$1,113.25 Tota	\$39,807.7
104			2032	Installation EA 30 To Installation	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 apressor, Add	ooled Cor	1.0512 idensers Factor	= \$1,113.25 Tota	\$39,807.7 \$6,752.3
104	15671	2005	2032	Installation EA 30 To Installation	Quantity 3.00 n Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price	ooled Cor	1.0512 ndensers Factor 1.0512	= \$1,113.25 Tota = \$39,807.76 Tota	\$39,807.7 \$6,752.3
104 105	15671	2005	2032	Installation EA 30 To Installation EA For S Installation SF Cooli	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 ng Tower Accesso	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 hpressor, Add Unit Price x 6,423.42 ry, Galvanized Steel	x x Platform	1.0512 indensers Factor 1.0512 Factor 1.0512	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard.	\$39,807.7 \$6,752.3 \$3,188.2
104 105	15671 15671	2005 2005	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 ng Tower Accesso	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42	x x Platform ed steel.	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. Tota	\$39,807.7 \$6,752.3 \$3,188.2
104 105	15671 15671	2005 2005	2032	Installation EA 30 To Installation EA For S Installation SF Cooli	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvanize	x x Platform ed steel.	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. Tota	\$39,807.7 \$6,752.3 \$3,188.2
104 105 106	15671 15671 15680	2005 2005 9001	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands	Quantity 3.00 on Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 ng Tower Accesso oards are 10 gaug Quantity 50.00	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvaniz Unit Price x 60.66	x x Platform ed steel.	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. Tota	\$39,807.7 \$6,752.3 \$3,188.2
104 105 106	15671 15671	2005 2005	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge Quantity 50.00	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvaniz Unit Price x 60.66	x x Platform ed steel. x	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 toeboard. = \$3,188.29 Tota	\$39,807.7 \$6,752.3 \$3,188.2 \$5,117.9
104 105 106	15671 15671 15680	2005 2005 9001	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge Quantity 50.00 CFM Evaporative Quantity	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvaniz Unit Price x 60.66	x x Platform ed steel. x	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor 1.0512	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 toeboard. = \$3,188.29 Tota	\$39,807.7 \$6,752.3 \$3,188.2 \$5,117.9
104 105 106 107	15671 15671 15680	2005 2005 9001	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands EA 8500 Installation EA 7000	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge Quantity 50.00 CFM Evaporative Quantity 3.00	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvanize Unit Price x 60.66 Cooler, 1 HP Unit Price x 1,622.89 Air Handling Unit, Bu	x x Platform ed steel. x	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor 1.0512 Factor 1.0512 onstant Volum	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. = \$3,188.29 = \$3,188.29 = \$5,117.95 e, Horizontal /	\$39,807. \$6,752. \$3,188. \$5,117. \$18,953.
104 105 106 107	15671 15671 15680 15776	2005 2005 9001 1304	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands EA 8500 Installation EA 7000 Verti	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge Quantity 50.00 CFM Evaporative Quantity 3.00 CFM Single Zone	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvanize Unit Price x 60.66 Cooler, 1 HP Unit Price x 1,622.89 Air Handling Unit, Bu	x Platform ed steel. x x y it-Up, Co	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor 1.0512 Factor 1.0512 onstant Volum Factor	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. = \$3,188.29 = \$3,188.29 = \$5,117.95 e, Horizontal / Tota	\$39,807.7 \$6,752.3 \$3,188.2 \$5,117.9 \$18,953.2
104 105 106 107	15671 15671 15680 15776	2005 2005 9001 1304	2032	Installation EA 30 To Installation EA For S Installation SF Cooli Toeb Installation stands EA 8500 Installation EA 7000 Verti Installation	Quantity 3.00 In Packaged Chille Quantity 1.00 emi-Hermatic Com Quantity 1.00 Ing Tower Accesso oards are 10 gauge Quantity 50.00 CFM Evaporative Quantity 3.00 CFM Single Zone cal, Draw-Through	Unit Price x 353.01 r With Remote Air Co Unit Price x 37,868.87 npressor, Add Unit Price x 6,423.42 ry, Galvanized Steel e heavy mill galvaniz Unit Price x 60.66 Cooler, 1 HP Unit Price x 1,622.89 Air Handling Unit, Bu Fan Unit Price x 6,010.02	x Platform ed steel. x x y uilt-Up, Co	1.0512 Indensers Factor 1.0512 Factor 1.0512 Note: Includes Factor 1.0512 Factor 1.0512 onstant Volum	= \$1,113.25 Total = \$39,807.76 Tota = \$6,752.30 s toeboard. = \$3,188.29 = \$3,188.29 = \$5,117.95 e, Horizontal / Tota	\$39,807.7 \$6,752.3 \$3,188.2 \$5,117.9 \$18,953.2

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

Review:			ain Jail HVAC - 6							
109 15834	1123	1431	EA For Chille	d Water Cooling Coil	, Aluminum Fins	, Add				\$6,890.93
			Installation	Quantity 3.00 ×	Unit Price 2,185.10	x	Factor 1.0512	=	Total \$6,890.93	
			used for Mitsubi	shi split units per M1						
110 15834	1123	1434	EA For Weld	ed Exterior Waterpro	of Casing, Doub	le-Wall, Wi	th Insulati	on, Add		\$4,515.96
				Quantity	Unit Price		Factor	,	Total	
			Installation	3.00 ×	1,432.00	х	1.0512	=	\$4,515.96	
			used for Mitsubi	shi split units per M1			•		·	<u></u>
111 15834	1123	1461	EA For Varia	ble Air Volume, Add			_			\$1,998.25
			Installation	Quantity	Unit Price		Factor 1.0512	=	Total \$1,998.25	
			Installation	3.00 × shi split units per M1	633.64	Х.	1.0512		ψ1,000.20	
(40, 45024	4400	4.470		omizer, Including Par	nol. Controls An	Namper(s	bbA (\$4,836.39
12 15834	1123	1473	EA For Econ			a Damper(s	Factor		Total	+ .,
			Installation	Quantity 3.00 ×	Unit Price 1,533.61	x	1.0512		\$4,836.39	
				shi split units per M1	1,000.01	~				
13 15834	1123	1921		Coating For Each Coi	I. Add				<u></u>	\$1,070.49
				Quantity	Unit Price		Factor		Total	
			Installation	3.00 ×	339.45	x	1.0512	=	\$1,070.49	
			used for Mitsubi	shi split units per M1						
14 15834	1218		EA 8500 CF	M Multizone Air Hand	ling Unit, Built-U	p, Horizont	al / Vertic	al, Draw-T	Through S	513,248.74
			Fan	Quantity	Unit Price		Factor		Total	
			Installation	Quantity 1.00 ×	11,062.29	x	1.0512		\$11,628.68	
			Demolition	1.00 x	1,541.15	x	1.0512		\$1,620.06	
			used for York X	TI-45X78 per M1						
115 15834	1218	1483	EA For Ecor	omizer, Including Pa	nel, Controls An	d Damper(s	s), Add			\$1,914.50
				Quantity	Unit Price		Factor		Total	
			Installation	1.00 ×	1,821.25	x	1.0512	=	\$1,914.50	
			used for York X	TI-45X78 per M1						
16 15834	1218	1521	EA For Flat	Filter Box And Throw	away Filters, Ade	b				\$6,282.4
				Quantity	Unit Price		Factor		Total	
			Installation	6.00 ×	996.07	×	1.0512	-	\$6,282.41	
				TI-45X78 per M1						\$4,422.34
117 15834	1218	1531	EA For Chill	ed Water Cooling Co		s, Add	F (Tatal	ψτ,τζζ.Ο΄
			Installation	Quantity	Unit Price	v	Factor 1.0512		Total \$4,422.34	
				1.00 × TI-45X78 per M1	4,206.94	x	1.0012		• •	
118 15834	1218	1532		ct Expansion Cooling	Coil Aluminum	Fins Add				\$4,422.34
110 13034	1210	1552	EA TOIDIR	Quantity	Unit Price	1 110, 7 144	Factor		Total	
			Installation	1.00 ×	4,206.94	x	1.0512		\$4,422.34	
					.,					
			used for York X	11-45X/0 per Mil						\$698.40
	1218	1921			il, Add					
	1218	1921		Coating For Each Co			Factor		Total	
	1218	1921		Coating For Each Co Quantity	il, Add Unit Price 664.44	x	Factor 1.0512		Total \$698.46	
	1218	1921	EA For Coil Installation used for York X	Coating For Each Co Quantity 1.00 × TI-45X78 per M1	Unit Price 664.44		1.0512	=	\$698.46	
<i>119</i> 15834	1218	1921	EA For Coil Installation used for York X LB Sheet M	Coating For Each Co Quantity 1.00 × TI-45X78 per M1 etal Ductwork, Mediu	Unit Price 664.44		1.0512	=	\$698.46	\$730.0
<i>119</i> 15834 <i>120</i> 15840		1921	EA For Coil Installation used for York X LB Sheet M	Coating For Each Co Quantity 1.00 × TI-45X78 per M1	Unit Price 664.44		1.0512	= nized, Fiel	\$698.46	\$730.06

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name: CJC Main Jail - First Floor Line-up Area HVAC Review: CJC Main Jail HVAC - 6/20/2008 4:20:04PM

Review:		CJC N	lain Jail HVAC - 6	/20/2008 4:2	20:04PM	i					
121 15840	1502	1521	LB For Quar	ntities Up To 200	Lb. (< 91	kg), Add				· · ·	\$263.33
			Installation	Quantity 150.00	د x	Jnit Price 1.67	x	Factor 1.0512	=	Total \$263.33	
122 15840	1502	3101	LB For Worl	In Restricted W		ace, Add				•	\$175.02
				Quantity	-	Jnit Price		Factor		Total	
			Installation	-	x	1.11	x	1.0512	=	\$175.02	
123 15920	1101		EA 3 Analog	Input, 8 Digital (Jutput Sta	Ind Alone L	Jnit Contr	oller			\$4,835.04
				Quantity		Unit Price		Factor		Total	
			Installation	9.00	x	511.06	x	1.0512	=	\$4,835.04	
124 15920	1101	1111	EA For Real	Time Clock, Add	t						\$925.36
				Quantity	ι	Unit Price		Factor	_	Total	
			Installation	9.00	x	97.81	x	1.0512	=	\$925.36	
125 15920	3101		EA Room Te	emperature Sens	or With Co	over				-	\$1,728.96
				Quantity	. 1	Unit Price		Factor	-	Total \$1,728.96	
			Installation		X	182.75	x	1.0512		ψ1,720.00	¢646.29
126 15920	3305		EA Duct Sta	tic Pressure Sen						 / 1	\$646.28
			1	Quantity		Unit Price		Factor 1.0512	=	Total \$646.28	
			Installation		x	307.40	×			·····	\$4,281.85
127 15930	1802			tic Control Syster je Read Out	m, Heating	g Coll, Hot	water, 3-	-way valve,	Freezestat	Uli	φ4,201.0 .
			Discillary	Quantity	l	Unit Price		Factor		Total	
			Installation	2.00	x	2,036.65	x	1.0512	=	\$4,281.85	
128 15931	1011		EA Room T	hermostats, 2 Po	tentiomete	ər					\$703.03
				Quantity	1	Unit Price		Factor	_	Total	
			Installation	3.00	х	222.93	х	1.0512	=	\$703.03	
			used for wireles					5 0.4% Diam			\$10,054.96
129 15939	1002		EA Modutro	Motor, Low/Line Actuator, Revers	Voltage /	Application	For 14"	1 0 24" Diamo	eter valve iv		\$10,034.50
				Quantity		Unit Price		Factor		Total	
			Installation	17.00	x	562.66	x	1.0512		\$10,054.96	
								Subto	tal for 15	; \$20)4,113.9
Section 16	; *::::::::::::::::::::::::::::::::::::						$\hat{\mathcal{C}}_{2n}^{(1)}$ is the	ALC:	1 Y Y & 3		
130 16102	3001		LF 1/4" Nyl	on Pull Cord Inst	alled To R	emain In P	Place, In E	Existing Con	duit		\$186.54
				Quantity		Unit Price		Factor		Total	
			Installation	455.00		0.39	x	1.0512		\$186.54	
131 16120	1359		MLF #1/0 AV	/G Cable - Type	THHN-TH	WN, Unde	rground F	eeder And I	Branch Circ	uit	\$189.4
				Quantity		Unit Price		Factor		Total	
		.	Installation	0.06	x	3,003.45	<u>x</u>	1.0512		\$189.43	
132 16120	1562			G Cable - Type	THHN-TH	WN 600 V	Copper, S	Single Strand	ded, Placed	In	\$1,445.5
			Conduit	Quantity		Unit Price		Factor		Total	
			Installation	3.84	х	358.12	x	1.0512	=	\$1,445.59	
133 16120	1563		MLF #10 AW Conduit	G Cable - Type	THHN-TH	WN 600 V	Copper, s	Single Stran	ded, Placed	In	\$313.3
				Quantity		Unit Price		Factor		Total	
			Installation	0.64	x	465.79	x	1.0512		\$313.37	
134 16120	1564		MLF #8 AWC Conduit	G Cable - Type T	HHN-THM	VN 600 V C	opper, S	ingle Strand	ed, Placed I	ń	\$710.2
			Condun							7-4-1	
			· · · · ·	Quantity		Unit Price		Factor 1.0512		Total \$710.26	

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name: CJC Main Jail - First Floor Line-up Area HVAC CJC Main Jail HVAC - 6/20/2008 4:20:04PM **Review:**

						20:04PM	20/2008 4	II HVAC - 6	iain Ja	CJC M		ew:	Vevie
\$872.77		, Placed In		per, Single	1 600 V Cop	HHN-THWI	Cable - Type	#6 AWG Conduit	MLF		1565	16120	135 ⁻
	Total \$872.77	=	Factor 1.0512	v	Init Price		Quantity	stallation	In				
\$210.28	+ • • • • • •				.,		0.82 Cable - Type		MLF		1566	16120	126
	Total			Perk en .g				Conduit	IVILI		1500	10120	750
	Total \$210.28	= .	Factor 1.0512	x	Init Price 1,418.71		Quantity 0.14	stallation	In				
\$310.33							Cable - Type		MLF		1568	16120	137
	Total							Conduit			1000		107
	\$310.33	=	Factor 1.0512 ⁻	x	Init Price 2,108.65		Quantity 0.14	stallation	In				
\$254.50			Flat Wall				Conduit With	RGS 1/2	LF		2111	16131	138
	Total		Factor		Init Price		Quantity						
	\$254.50	=	1.0512	x	2.69	x	90.00	stallation	In				
\$28.38						ete, Add	lation In Cond	For Insta	LF	2149	2111	16131	139
	Total \$28.38	=	Factor 1.0512		Jnit Price		Quantity	stallation	In				
\$735.00				X sed On Eli	0.30	X Coupling N	90.00 Conduit With				0440	40404	4.40
<i>w</i> , 00.00	Total		Factor	Seu On Ma	Jnit Price			RGS 3/4	LF		2112	16131	140
	\$735.00	=	1.0512	x	3.04	x	Quantity 230.00	stallation	In				
\$77.3							lation In Cond	For Insta	LF	2149	2112	16131	141
	Total		Factor		Jnit Price		Quantity						
	\$77.37		1.0512	x	0.32	x	230.00	stallation	In				
\$367.0	<u> </u>			ed On Flat	unted Expos	oupling, Mo	Conduit With	RGS 1" (LF		2113	16131	142
	Total \$367.08	=	Factor 1.0512	×	Jnit Price		Quantity	stallation	10				
\$35.9			1.0312	<u>x</u>	3.88	X oto Add	90.00			2140	0440	40404	4.40
	Total		Factor		Jnit Price		llation In Con	For Insta	LF	2149	2113	16131	143
	\$35.95	=	1.0512	x	0.38	x	Quantity 90.00	stallation	Ir				
\$49.4			n Flat Wall	posed On	Mounted Ex	h Coupling,	/4" Conduit W	RGS 1-1	LF		2114	16131	144
	Total		Factor		Jnit Price	١	Quantity						
¢4.5	\$49.41		1.0512	x	4.70	x	10.00	stallation					
\$4.5	Tetel						llation In Con	For Insta	LF	2149	2114	16131	145
	Total \$4.52	=	Factor 1.0512	x	Unit Price 0.43		Quantity	stallation	Ir				
\$57.5						x h Coupling	10.00 /2" Conduit W		LF		2115	16131	146
	Total		Factor		Jnit Price		Quantity		<u>L</u> 1		2110	10101	140
	\$57.50	=	1.0512	x	5.47	x	10.00	stallation	lr				
\$5.1						ete, Add	llation In Con	For Insta	LF	2149	2115	16131	147
	Total \$5.15	=	Factor 1.0512		Jnit Price		Quantity	atellation	1				
\$219.1				X	0.49	X	10.00	stallation					
ψ	Total		Factor		Unit Price		Conduit With	RGS 2	LF		2116	16131	148
	\$219.18	=	1.0512	x	6.95	x	Quantity 30.00	stallation	Ir				
\$18.6					<u> </u>		llation In Con	For Insta	LF	2149	2116	16131	149
	Total		Factor		Unit Price		Quantity						-
.	\$18.61	=	1.0512	x	0.59	x	30.00	stallation	i				
\$175.9				Vali	ed On Flat V	nted Expos	Conduit, Mo	1/2" EM	LF		2611	16131	150
	Total \$175.97	=	Factor 1.0512	x	Unit Price 1.86	x	Quantity 90.00	nstallation	1.				

Job Order Number: 08539

Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

Review:		CJC M	iain Jail HVAC - 6	5/20/2008 4	20:04P	IVI					
151 16131	2611	2649	LF For Inst	allation In Concr	ete, Add						\$15.14
				Quantity		Unit Price		Factor		Total	
			Installation	60.00	x	0.24	x	1.0512	=	\$15.14	
152 16131	2611	2821	LF For Wo	rk In Restricted	Working S	Space, Add					\$30.91
				Quantity		Unit Price		Factor		Total	
			Installation	60.00	x	0.49	X	1.0512	=	\$30.91	
153 16131	3112		LF 3/4" IM0	C Conduit, Moun	ted Expos	sed On Flat V	Vall				\$799.75
				Quantity		Unit Price		Factor		Total	
			Installation	240.00	x	3.17	x	1.0512		\$799.75	
154 16131	3112	3923	LF For Inst	allation In Conci	ete, Add						\$75.69
				Quantity		Unit Price		Factor	_	Total	
			Installation	240.00	х	0.30	x	1.0512		\$75.69	
155 16131	3112	3931	LF For Wo	rk In Restricted	Working S	Space, Add					\$148.85
				Quantity		Unit Price		Factor		Total	
			Installation	240.00	x	0.59	x	1.0512		\$148.85	
156 16131	4112		LF 3/4" PV	C Schedule 40	Conduit W		Direct B	urial, Glued	Coupling		\$34.48
				Quantity		Unit Price		Factor	_	Total \$34.48	
			Installation	20.00	x	1.64	X	1.0512			
157 16131	4112	4189	LF For Sch	nedule 80, Add							\$5.47
				Quantity		Unit Price		Factor	-	Total \$5.47	
			Installation	20.00	x	0.26	X	1.0512		JJ.47	<u> </u>
158 16131	4115		LF 1-1/2" F	PVC Schedule 4	0 Conduit	With Couplin	ng, Direct	Burial, Glue	d Coupling		\$41.94
				Quantity		Unit Price		Factor	-	Total \$41.94	
			Installation	15.00	x	2.66	<u>x</u>	1.0512		φ 4 1.5 4	
<i>15</i> 9 16131	4115	4189	LF For Sch	nedule 80, Add				•			\$7.88
				Quantity		Unit Price		Factor		Total \$7.88	
·			Installation	15.00	X	0.50	x	1.0512		ψ1.00	
160 16131	4116		LF 2" PVC	Schedule 40 C	onduit Wit	th Coupling, [Direct Bui			- ()	\$253.08
				Quantity		Unit Price		Factor 1.0512		Total \$253.08	
			Installation	75.00	x	3.21	x	1.0512			\$49.67
161 16131	4116	4189	LF For Sc	hedule 80, Add						T ()	φ49.07
			1 (- 1) - (Quantity		Unit Price		Factor 1.0512		Total \$49.67	
			Installation	75.00	<u>x</u>	0.63	X	1.0512			\$28.76
<i>16</i> 2 16131	8112		LF 1/2" Lie	quid Tight Flex C	Conduit					T = 4 = 1	φ20.70
			Installation	Quantity		Unit Price		Factor 1.0512		Total \$28.76	
			Installation	18.00	X	1.52	X	1.0012			\$3.03
163 16131	8112	8126	LF For Ins	tallation In Cond	rete, Add					Tatal	ψ0.00
			1 II	Quantity		Unit Price		Factor 1.0512		Total \$3.03	
			Installation	18.00	X	0.16	×	1.0512			\$6.05
164 16131	8112	9199	LF For We	ork In Restricted	Working					Tatal	40.00
			Installation	Quantity	0	Unit Price		Factor 1.0512		Total \$6.05	
· · · ·			Installation	18.00	X *	0.32	x	1.0012			\$38.41
165 16131	8113		LF 3/4" Li	quid Tight Flex (Conduit			_ /		Total	ψ50.41
			la stallation	Quantity		Unit Price		Factor 1.0512		\$38.41	
			Installation	18.00	<u>×</u>	2.03	X	1.0012			\$4.16
<i>16</i> 6 16131	8113	8126	LF For Ins	stallation In Con	crete, Add					Total	ψ7.Ι
100 10131								Eastor	-	10131	
100 10131			Installation	Quantity 18.00	x	Unit Price 0.22	x	Factor 1.0512		\$4.16	

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

CJ		alli Jali II	VAC - 0	/20/2008 4	.20.0-						
3 919	31 8113	LF	For Work	In Restricted	Workin	g Space, Add					\$8.14
				Quantity		Unit Price		Factor	_	Total	
		Installa		18.00		0.43	x	1.0512	=	\$8.14	
4	31 8114	LF	1" Liquid	Tight Flex Con	duit						\$29.52
				Quantity		Unit Price		Factor	_	Total \$29.52	
		Installa		12.00		2.34	x	1.0512		\$29.02	<u> </u>
4 812	31 8114	ĹF	For Insta	Illation In Conci							\$2.78
		to a to U	_4:			Unit Price		Factor	-	Total \$2.78	
		Installa		12.00		0.22	X	1.0512		φ <u>2.</u> 70	\$5.42
4 919	31 8114	LF	For Worl	k In Restricted	Workin					Tetal	φ <u></u> 0.42
		Install	ation	Quantity		Unit Price		Factor 1.0512	=	Total \$5.42	
				12.00		0.43	X	1.0312		+++++++++++++++++++++++++++++++++++++++	\$38.10
5	31 8115	LF	1-1/4" LI	quid Tight Flex	Condu			Fastor		Total	\$50.10
		Install	ation	Quantity	v	Unit Price 3.02	x	Factor 1.0512	=	\$38.10	
E 017	24 0445			12.00				1.0012			\$3.41
5 812	31 8115	LF	Formsta	allation In Conc				Factor		Total	
		Install	ation	Quantity 12.00		Unit Price 0.27	x	1.0512		\$3.41	
5 919	31 8115			k In Restricted						· · · · · · · · · · · · · · · · · · ·	\$6.81
5 515	51 0115	LI				Unit Price		Factor		Total	
		Install	ation	12.00	x	0.54	x	1.0512	=	\$6.81	
3	31 8213	LF	3/4" Elex	cible Metallic Co							\$29.90
				Quantity		Unit Price		Factor		Total	
		Install	ation	18.00	x	1.58	x	1.0512	= ·	\$29.90	
3 822	31 8213	LF	For Flex	ible Aluminum	Condui	t, Add					\$0.95
				Quantity		Unit Price		Factor		Total	
		Install	ation	•	x	0.05	х	1.0512	=	\$0.95	
3 822	31 8213	LF	For Insta	allation In Conc	rete, A	dd					\$3.60
				Quantity		Unit Price		Factor		Total	
		Install	ation	18.00	х	0.19	х	1.0512	=	\$3.60	
3 919	131 8213	LF	For Wor	k In Restricted	Workin	g Space, Add					\$7.19
				Quantity		Unit Price		Factor		Total	
		Install		18.00	x	0.38	x	1.0512	· · · · · · · · · · · · · · · · · · ·	\$7.19	*••••
)1	134 1101	EA	4" Squa	re Steel Box X	1-1/2"						\$20.54
		السمغسا	ation	Quantity		Unit Price		Factor 1.0512	=	Total \$20.54	
		Install		2.00	<u>X</u>	9.77	X	1.0512		+20101	\$14.63
)4	134 1104	EA	4" Squa	re Steel Blank	Cover			5 t		Total	ψ14.00
		Instal	ation	Quantity		Unit Price 3.48	x	Factor 1.0512	=	\$14.63	
	405 4004			4.00	X						\$147.29
94	135 1234	EA	10 X10 2		Closure	e, Screw Cover I Unit Price	noiddod	Factor		Total	
		Instal	lation	Quantity 1.00	x	140.12	x	1.0512	=	\$147.29	
)2	135 9102	EA		3R, 100 A Breal					<u>. </u>		\$536.10
-	,00 0102			Quantity		Unit Price		Factor		Total	
		Instal	lation	1.00	x	509.99	x	1.0512	=	\$536.10	
52	155 2162	EA	H-O-A S			Modification - N		Or 12 Magn	etic Motor		\$146.02
				Non-Reversing		600 V				Total	
		Instal	lation	Quantity		Unit Price	v	Factor 1.0512	=	\$146.02	
			auon	1.00	<u> </u>	138.91	<u>x</u>	1.0012		,	

Proposal Review - CSI Detail

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Job Order Number: 08539

Job Order Name:CJC Main Jail - First Floor Line-up Area HVACReview:CJC Main Jail HVAC - 6/20/20084:20:04PM

183 16155	2253			tic Starter, Size 1			ise, Rev	ersing 230 V	@ 7.5	HP, 480	\$916.46
			V @ 10	Quantity		Unit Price		Factor	_	Total \$916.46	
				1.00	x	871.82	X	1.0512			\$1,402.75
184 16170	6121		EA 30 A D	ouble Throw Safe	ety Sw		ie, new				φ1,40Z.70
			Installation	Quantity		Unit Price	v	Factor 1.0512	=	Total \$1,402.75	
				3.00	×	444.81					\$4,003.27
185 16170	6231		EA 30 A D	ouble Throw Safe	ety Sw		ie, neivi				φ 4 ,003.27
			Installation	Quantity		Unit Price	v	Factor 1.0512	=	Total \$4,003.27	
400 40470	0050	<u></u>	· · · · · · · · · · · · · · · · · · ·	3.00 Double Throw Sa	X fatur Cu	1,269.43					\$1,504.08
186 16170	6252		EA 100 A		liety S			Factor		Total	•••••
			Installation	Quantity 1.00	x	Unit Price 1,430.82	x	1.0512	=	\$1,504.08	
187 16181	1221			p, 250 Volt, Curre							\$157.18
10101	1221		EA JU AIN			Unit Price	renuic	Factor		Total	•••••
			Installation	Quantity 12.00	x	12.46	x	1.0512	=	\$157.18	
188 16190	1111			ole Steel Conduit							\$4.54
00 10190	1111				Juap	Unit Price		Factor		Total	
			Installation	Quantity 8.00	x	0.54	x	1.0512	=	\$4.54	
189 16190	1111	1501	EA For Wo	ork In Restricted							\$1.01
03 10100		1001		Quantity	e e ontañ	Unit Price		Factor		Total	
			Installation	8.00	x	0.12	x	1.0512	=	\$1.01	
90 16190	1111	1502	EA For Ins	stallation In Conci							\$7.99
190 10190		, 1002		Quantity	1010, 11	Unit Price		Factor		Total	
			Installation	8.00	x	0.95	x	1.0512	=	\$7.99	
191 16190	2112		EA Rigid S	Steel Conduit Clar							\$16.82
37 10100	2112			Quantity		Unit Price		Factor		Total	
			Installation	8.00	х	2.00	х	1.0512	=	\$16.82	
192 16190	2112		EA Rigid S	Steel Conduit Cla		P1112, 3/4"					\$29.43
102 10100	2112			Quantity		Unit Price		Factor		Total	
			Installation	14.00	x	2.00	x	1.0512	=	\$29.43	
193 16266	2002	· · · · ·	EA 7.5 HF	Variable Freque	ncy D	rive, 480 V					\$3,800.63
				Quantity	,	Unit Price		Factor		Total	
			Installation	1.00	x	3,615.52	x	1.0512	=	\$3,800.63	
194 16330	2401		EA 30 KV	A, 480 x 208 Y / '	120 V.	Transformer, 3	Phase, 6	0 Hz, Gener	al Purp	ose, Dry	\$2,145.9
				Quantity		Unit Price		Factor		Total	
			Installation	1.00	x	2,041.43	x	1.0512	=	\$2,145.95	
195 16471	3213		EA 100 A	- 30 Circuit Capa	city, 1	20/208 V, 4 Wire	, 3 Phas	se, NEMA 1 F	Panelb	oard, Main	\$638.90
			Lugs,	Unassembled		Linik Dring		Factor		Total	
			Installation	Quantity	v	Unit Price 607.78	x	1.0512	=	\$638.90	
100 10171	2225			1.00 - 42 Circuit Capa	X					oard Main	\$1,560.4
196 16471	3235			er, Unassembled		20/200 0, 4 00/16	, 01 na	50, NEM# ()	anois	ouru, man	• • • • • • •
				Quantity		Unit Price		Factor	_	Total	
			Installation	1.00	X	1,484.41	X	1.0512		\$1,560.41	
197 16471	4211		_	, 277/480 Volt, 1	5-60 A	, Branch Circuit	Breaker,	, 14,000 Amp	Interr	upting	\$98.6
			Capac	Quantity		Unit Price		Factor		Total	
			Installation	2.00	x	46.94	х	1.0512	=	\$98.69	
198 16471	4211	4291	EA For Bo	olt-On, Add		<u></u>					\$18.1
190 104/1	-			-				– .		Total	
190 104/1				Quantity		Unit Price		Factor 1.0512		\$18.10	

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Job Order Number: 08539

CJC Main Jail - First Floor Line-up Area HVAC Job Order Name: CJC Main Jail HVAC - 6/20/2008 4:20:04PM **Review:**

		/ Total					<u> </u>		\$445	5,063.70
								Subtotal for 18	; \$	2,650.00
			Installation concrete details	Quantity 2,500.00 only	×	Unit Price 1.00	×	Factor 1.0600 =	\$2,650.00	
203 18001	1001		LS A/E Fees	and the second					Total	\$2,650.00
Section 18						1. A. A. A.				¢2 650 00
								Subtotal for 16	\$2	6,712.77
			Installation	Quantity 1.00	x	Unit Price 40.85	X	Factor 1.0512 ⁼	Total \$42.94	
202 16471	4232	4291	EA For Bolt-0	On, Add		·····				\$42.94
			Installation	Quantity 1.00	x	Unit Price 271.91	X .	Factor 1.0512 =	\$285.83	
201 16471	4232		EA 3 Pole, 2 Capacity		0-100 A		t Breaker	, 14,000 Amp Interruptir	ig Total	\$285.83
			Installation	Quantity 6.00	x	Unit Price 27.20	x	Factor 1.0512 =	Total \$171.56	
200 16471	4231	4291	EA For Bolt-0	On, Add						\$171.56
			Installation	Quantity 6.00	x	Unit Price 173.67	x	Factor 1.0512 =	Total \$1,095.37	
199 16471	4231		EA 3 Pole, 2 Capacity	77/480 Volt, 1	5-60 A,		Breaker,	14,000 Amp Interrupting		\$1,095.37

Proposal Review Total

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

Proposal Review - CSI Detail

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DATE June 23, 2008	GC 06 - SBE Est	timate
Job# 08539 Loc# 542	CJC South Tower Bldg, 3228 Gun Club Road CJC Main Jail - First Floor Line-up Area HVAC	
SUBMITTED BY	M.A.C. Construction, Inc. 9500 N.W. 12 Street Miami, FL 33172	Contract: R-2007-0949 Awarded: 06/19/2008

Proposal Value:

\$ 445,063.70

Contractor/Sub-Contractor	Trade	SBE Status	SBE \$	% of Job
Andrea Construction (white Male)		SBE-Non MWBE	14,925.00	14,925.00
(white Male)	Sub Contractor	SBE-Non MWBE	21,860.00	21,860.00
	Total actimate	SRE participation	2	8.27%

	Total estimate SBE participation	2	0.27 /0
		¢	
0%	Estimated Participation	100%	

GC 06 - SBE Estimate

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ATTACHMENT # 4

Perised 1/09/08 Callis STATEMENT BU⁄DG

REQUEST DATE: June 2, 2008

REQUESTED BY: DANIEL RACETTE

PHONE: 233-2057

PROJECT TITLE: CJC Main Jail – 1st floor line-up area HVAC

PROJECT NO.: 08539

Ø

LOCATION: 3200 Gun Club Road, WPB

CONTRACTOR/CONSULTANT NAME: M.A.C. Construction

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR: Provide labor, materials, permits, engineering necessary and reasonably incidental to install emergency HVAC on the 1st floor line-up room and 3rd floor special event area.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION ARCHITECTURE/ENGINEER STAFF COSTS* EQUIPMENT/OTHER CONTINGENCY TOTAL 44,507.00 6,676.05 1.5% WORK ORDER AMOUNT FOR TGG FEE 22,253.50 0.00 44,507.00 5/8,500,20

*By signing this BAS your department agrees to these staff costs and your account will be charged upon receipt of this BAS by FD&O. Unless there is a change in the scope of work, no additional staff charges will be billed.

BUDGET ACCOUNT NUMBERS (IDENTIFY ALL SOURCES) FUNDING SOURCE (CHECK ALL THAT APPLY)

	AGENCY:				
3804-4	11-13401	-03-	-4907		d
AD VALOREM				/DAVIS BAC	ON

SUPPLEMENTAL	AGREEMENT 1	TO BE APPROVE	D BY: Department	L Director (WO<\$5	50,000)
--------------	-------------	---------------	------------------	--------------------	---------

ANTICIPATED DATE OF APP	ROVAL [,] ASAP		
BAS APPROVED BY:	$ \Lambda $	DATE:	6-11.08
ENCUMBRANCE NUMBER:			