#### PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

SH-Z

Meeting Date: April 15, 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. 08-067 with West Construction, Inc., (R2007-0948) in the amount of \$390,102.46 to provide replacement of the HVAC system at Fire Station 81 located at Palm Beach International Airport in West Palm Beach.

**Summary:** The work consists of the complete replacement of the existing HVAC system including the ductwork, insulating the underside of the roof deck, installing a new code compliant stove hood, replacing the acoustical ceiling (tile and grid), adding a separate HVAC system for the front command office, removal and replacement of the stucco ceilings in the two lobbies, providing a temporary kitchen during construction in one of the bays, and associated electrical, painting, etc. The SBE goals are 15%. The SBE participation in this work order is 100%. When the participation for this work order is added to West's total participation-to-date, the resulting values are 100%. 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:** An initial investigation of the Fire Station 81 facility identified elevated relative humidity levels. Additional investigation indicated that the HVAC system was at or beyond its expected life cycle; and was not equipped to control humidity levels or maintain positive pressurization of the building. BRPH Architects - Engineers, Inc., was hired to design the replacement HVAC system. This work order will implement the design of BRPH.

#### Attachments:

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

Recommended by:	Ath my WowF	3/26/08	
-	Department Director	Date	
Approved by:	Bullema	4/10/08	
	County Administrator	Date	
	)		

#### Π. FISCAL IMPACT ANALYSIS

### A. Five Year Summary of Fiscal Impact:

Fiscal Year	2008	2009	2010	2011	2012
Capital Expenditures	\$ 449, 953.	_	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match (County)	0	0	0	0	0
NET FISCAL IMPACT	\$ 449,953.8	<sup>59</sup> 0	0	0	0
# Additional FTE					
Positions (Cumulative)			_		
Is Item Included in Current B	udget? Yes _	<u>X</u> No			
Budget Account No: 41	10-121-A035	-6211			

Reporting Category \_

B. Recommended Sources of Funds/Summary of Fiscal Impact: Construction \$ 390,102.40 Architect 5,851.43 Construction Architect Staff Costs Centurgency 15,000.00 3.31.08 449,953.89 Ъ C. Departmental Fiscal Review:

#### **III. REVIEW COMMENTS**

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

)FMR 68 Β. Legal Sufficiency:

ssistant County Attorney

7/08 fract Dev.

This item complies with current County policies.

C. Other Department Review:

**Department Director** 

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

March 17, 2008	JOC Work Order Job Order Construction Services	
07695	F.S. #81 - HVAC Fire Station #81 Building #120, PBIA, WEST PALM BEACH	CORTEN
Brief Description:	Provide replacement of the HVAC system per the plans and specs by BRPH.	•
Contractor:	West Construction, Inc. 318 South Dixie Highway	

DISTRICT: 2

Contract:	Suite4-5 Lake Worth, F R-2007-0948	L 33460 Dated June 19, 2007
AMOUNT:	\$ 390,102.46	
Funding:	4110-121-A03	5-6211
JOC Work Order #:	08-067	
Project Duration:	1 <b>8</b> 0 Days	(Liquidated damages will apply)

Approval Signatures

•	
Pat D'Angelo, Project Coordinator	Part hyple 3/20/08
Audrey Wolf, Director	Ammy Wolf 3/26/08
Facilities Development & Operations	Date
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

Martha a'l 19/08 31 President an West 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

# ATTACHMENT # (

#### Job Order Contract Proposal Review - CSI Summary

 Date
 March 20, 2008

 Job Order Number: 07695
 F.S. #81 - HVAC

 Review:
 Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

Section 01	Subtotal for 01 \$85	466.60
Section 02	Subtotal for 02 \$	603.35
Section 07	Subtotal for 07 \$30	805.80
Section 08	Subtotal for 08 \$1	035.01
Section 09	Subtotal for 09 \$48	129.67
Section 11	Subtotal for 11 \$5	326.59
Section 13	Subtotal for 13 \$4	,051.85
Section 15	Subtotal for 15 \$156	438.63
Section 16	Subtotal for 16 \$58	,244.96
Den en el Denieur Tetel	\$390.	102.46

#### **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.

# ATTACHMENT #ン

Proposal Review - CSI Summary

Page 1 of 1 3/20/2008

# Job Order Contract Proposal Review - CSI Detail

Date	March 20, 2008		•
Job Order Number	:07695		
Job Order Name:	F.S. #81 - HVAC		
Review:	Fire Station #81 HVAC Replacement - 3/12/2008	12:17:50PM	

ine Tota										Description	UOM	Mod.	Item	Sect.	
Story.						in an		And in t	dia a					ion 01	ect
15,000.00	\$	Series 1		(igen) (it	°.	\$-00°*	1999 - 1999 - 199 <b>9</b>		nsurance	Specialty	LS		1005	01000	011-02-84
	Total	a and a said	r i'i r	Factor			Unit Price		Quantity		States of the	្រា ព្រះ		1997 - 1997 -	
	\$15,000.00	=		1.0000		x	15,000.00	x	1.00	allation	Inst				
	eff de la ser								e required as	rcial insuran	Spe		5		
\$8,300.00									ble Fees	Reimburs	EA		1001	01204	2
	Total		r	Factor			Unit Price		Quantity						
	\$8,300.00	= .	) =	1.0000		х	100.00	х	83.00	allation	Inst				
										nit Fees	Perr	,			
\$225.62								graph	or Print Photo	5" x 7" Co	EA		1113	01320	3
	Total		r	Factor			Unit Price		Quantity						
	\$225.62	=	) =	1.0200		х	3.95	X	56.00	allation	Inst		÷.,		
\$2,167.50		e Includes ntal Of	ice Rei	lote: Prie Debris, R	ebris" N ing Of [	on De Hauli	"Constructio Dumpster,	Pick-up	npster (7 Tor Deliver And And Disposa	Service T	EA		2015	01510	4
	Total			Factor			Unit Price	1 66.	Quantity	Dumpsier					
	\$2,167.50	=	) *	1.0200		x	425.00	x	5.00	allation	Inst				
\$76.5							se Fee, Add	h Franc	est Palm Bea	City Of W	EA	3094	2015	01510	5
	Total		r	Factor			Unit Price		Quantity						
	\$76.50	=	) :	1.0200		x	15.00	x	5.00	allation	Inst				
\$5,448.7		(5' Wide			els, Rail	Whee	plete With V	"o 20' Co	affolding 14' ion)	Rolling Sec	МО		3003	01540	6
	Total \$5,448.70			Factor			Unit Price		Quantity						
	\$5,440.70		) . 	1.0200		X	296.77	x	18.00	allation	Inst				
\$70.5								olation	be For Area Is	Safety Ta	CLF		6001	01550	7
	Total \$70.58			Factor			Unit Price		Quantity						
<u>*0 405 5</u>	\$70.30		<u> </u>	1.0200		X	6.92	x	10.00	allation	Inst				
\$2,195.5								ection	For Floor Pro	Masonite	SF		5301	01560	8
	Total	_		Factor			Unit Price		Quantity						
	\$2,195.55			1.0200		x	0.30	х	7,175.00	allation	Inst				
\$296.8	Per	d Of Day,		seal At E Factor	ng, Res	Buildir		ier To A		Remove Opening	OPN		5411	01560	9
	\$296.82	=		1.0200		x	Unit Price 2.91	~	Quantity	allation	Inst				
\$321.6	ıh				A-Fram			X	100.00 Iffic Control B				7400		4.0
• • • •				ic, i 2 vi		iigii /	VVIUE X 5 1	Side	zed Rail Each	Reflector	WK		7126	01560	10
	Total			Factor			Unit Price		Quantity						
	\$321.67			1.0200		х	2.19	х .	144.00	allation	Inst				
\$25,520.7	Total	ncludes			uck Driv	ne Tru		:k, 4 x 2,		1-1/2 Tor hydraulic	МО		3133	01591	11
	\$25,520.73	= '		Factor 1.0200		×	Unit Price		Quantity	allation	Ine				
\$4,999.9				1.0200			5,818.68	X	4.30						
ψ1,000.0	Total					e		ost, ivied	love On/Off (	250 I on	EA		4111	01591	12
	\$4,999.94	=		Facto 1.0200		v	Unit Price	v	Quantity	tallation	Inc				
\$103.0			_		Dor 1	X	2,450.95	X	2.00 Material For (						
<i></i>		chivery, De		20. 101	аг ст Ст Г	ateria	er of OrMa v Owner	ver 125 Required	Material For C eous Moving	Miscellar	CY		3001	01660	13
	Total		٦r	Facto			Unit Price		Quantity	moochai					
	\$103.02			1.0200			Unit Price		Quantity						

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

(ev.	iew:		1 10 00	ation #81 HVAC F								
14	01740	1111		CSF Clean Mi	scellaneous St	urfaces,		ith Mild I	Detergent			514,732.17
				Installation	Quantity 2,978.00	x	Unit Price 4.85	X	Factor 1.0200	=	Total \$14,732.17	
15	01740	1112		CY Collect E removed	xisting Debris	And Loa	d Into Truck O	r Dumps	ter Note: Per	CY of debr	is	\$2,927.40
				Installation	Quantity	x	Unit Price 5,74	x	Factor 1.0200	=	Total \$2,927.40	
16	01740	3111			500.00 isting Glass Si		5.74				· · · · · · · · · · · · · · · · · · ·	\$3,080.40
10	01740	JIII .		OOI Olean Ex	Quantity	unacco	Unit Price		Factor		Total	
				Installation	400.00	x	7.55	x	1.0200	=	\$3,080.40	
									Subto	tal for 01	\$8	5,466.60
Séc	tion 02	1999. 1997			125/2				1 With the second	a an		Anna an anna
17	02111	7305		EA Fluoresco	ent Tube Rem	oval						\$93.35
				Installation	Quantity		Unit Price		Factor	=	Total \$93.35	
				Installation	176.00	X	0.52	<u>x</u>	1.0200		φυυ.υυ	\$510.00
18	02112	.1602		SF Demo Fu	irred Plastered	Ceiling			- ·		Tatal	<b>\$310.00</b>
				Installation	Quantity		Unit Price	v	Factor 1.0200	= '	Total \$510.00	
				Two outside are	1,000.00 as	x	0.50	x	1.0200			
		•	· .						Subto	tal for 02		\$603.35
Sec	tion 07		an Constantino da Alterna da Constantino da	e weekstelle gate og står. Miller	t ale s Q		ratus (notas segur) Alterativos de Santas			<b>1</b> 0-2-3	etta (Sicola)	
19	07131	5001		CSF 4 Mil Pol	yethylene Vap	or Barrie	r					\$13,158.00
					Quantity		Unit Price		Factor		Total	
				Installation this is to protect	1,500.00 the walls whe	x n spravi	8.60 ng foam insula	x tion	1.0200	=	\$13,158.00	
20	07131	5001	7601		Taping, Add							\$596.70
					Quantity		Unit Price		Factor		Total	
				Installation	300,00	х	1.95	х	1.0200	<b>.</b>	\$596.70	
21	07213	1016		SF 3" (76mr	n) Mineral Fibe	erboard,	R8.34 Rigid In:	sulation				\$243.78
					Quantity		Unit Price		Factor		Total \$243.78	
				Installation	100.00	x	2.39	X	1.0200		φ <b>24</b> 3.70	
22	07213	1016	1294	SF For Mecl	nanically Faste	ened To						\$27.54
				Installation	Quantity		Unit Price		Factor 1.0200	=	Total \$27.54	
	07040	4040	4000		100.00	X Alla Alla	0.27	x	1.0200		+27.07	\$13.26
23	07213	1016	1296	SF For Setti	ng In Hot Asph	iait, Adu	Linit Drice		Factor		Total	4.0
				Installation	Quantity 100.00	x	Unit Price 0.13	x	1.0200	=	\$13.26	
24	07215	1004			Spray, R15.4						· .	\$14,344.26
					Quantity		Unit Price		Factor		Total	
				Installation	7,175.00	х	1.96	х	1.0200	=	\$14,344.26	
25	07501	1001		EA Labor Cr	ew Up-Charge	For 1 S	Q Or Less, Ad	d To Lin	e Item			\$1,305.55
					Quantity		Unit Price		Factor		Total	
				Installation	5.00	x	255.99	х	1.0200		\$1,305.55	
26	07510	2001		LF 4" x 4" C	ant Strip Foan	nglass						\$130.56
					Quantity		Unit Price		Factor	_	Total	
				Installation	100.00	x	1.28	x	1.0200		\$130.56	
27	07680	1009		SF 3/4" Nec	prene Reinfor	ced						\$7.0
				Installation	Quantity		Unit Price		Factor 1.0200		Total \$7.01	
				Installation	. 1.00	х	6.87	х	1.0200		ψ1.01	

3/20/2008

Job Order Number: 07695 Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

evi	ew:		Fire St	ation #81 HVAC F	Replacement	t - 3/12	2/2008 12:1	7:50PN	Λ		
28	07840	3015		CLF Fire Caul	k And Seal, 1">	d" Join				-	\$681.52
				Installation	Quantity 1.00	x	Unit Price 668.16	x	Factor 1.0200 =	Total \$681.52	
29	07920	3015		CLF Latex Ca	ulk And Seal, 1	"x1" Jo	int				\$297.62
				Installation	Quantity 2.00	x	Unit Price 145.89	x	Factor 1.0200 =	Total \$297.62	
									Subtotal for 0	7 \$34	0,805.80
act	ión 08		a Third study		1. 1. 1. 1. 1. T.	No		an a	1		
Characterized	08305	2108		EA 36"x36" A	Access Doors V	Vith Loc	k Fire Rated			PRODUCTION CONTRACTOR CONTRACTOR CONTRACTOR	\$1,035.01
50	00000	2100			Quantity		Unit Price		Factor	Total	
				Installation	2.00	x	507.36	х	1.0200 =	\$1,035.01	
					· ·		· · ·	· .	Subtotal for 0	8 \$	1,035.0 <sup>-</sup>
ect	ion 09	ti stali se sa		an a	aller of the second	and a second	102 - C	1. S. S. S.			COLST.
NUMBER OF STREET	09110	4002		SF 3-5/8" Me	etal Stud Chan	nel. 16"	On Center, 16	Gauge,	With Tracks And Runn	ers	\$3,100.80
0,	00110	1002			Quantity		Unit Price	•	Factor	Total	
				Installation	1,000.00	x	3.04	x	1.0200 =	\$3,100.80	
32	09110	4002	4101	SF For Wall	Application Wh	nere He	ight > 8' To 12'	, Add (>	2.4 m To 3.6 m)		\$226.64
					Quantity		Unit Price		Factor	Total	
				Installation	505.00	X	0.44	x	1.0200 =	\$226.64	¢200.7(
33	09110	4002	4105	SF For Soffi		Beams	Application, Ad	d		<b>T</b> -4-1	\$390.70
				Installation	Quantity		Unit Price	v	Factor 1.0200 =	Total \$390.70	
	00440	4000	44.00		504.00	X Add	0.76	x	1.0200		\$190.21
34	09110	4002	4106	SF For Horiz	contal Application	on, Adu	Unit Price		Factor	Total	
				Installation	Quantity 504.00	x	0.37	X	1.0200 =	\$190.21	
35	09110	4002	4112	SF For Qua	ntities > 200 To						\$178.50
					Quantity		Unit Price		Factor	Total	
				Installation	500.00	х	0.35	х	1.0200 =	\$178.50	
36	09205	2401		SF 3.4# Met	al Lath On Cei	ling (1.5	54 kg)				\$1,468.80
					Quantity		Unit Price		Factor	Total \$1,468.80	
				Installation	1,000.00	<u>x</u>	1.44	×	1.0200 =	\$1,400.00	\$15.42
37	09205	2401	1.113	SF For Wall		12' (> 2	2.4 m To 3.6 m	), Add	Frates	Total	
				Installation	Quantity	v	Unit Price 0.03	x	Factor 1.0200 =	\$15.42	
20	00205	2401	2112		504.00 ntities >100 To	X 500 A			<u>, , , , , , , , , , , , , , , , , , , </u>		\$40.8
30	09205	2401	2112		Quantity	000,70	Unit Price		Factor	Total	
		• .*		Installation	500.00	X	0.08	x	1.0200 =	\$40.80	
39	09205	2401	7203	SF For Galv	anized Metal L	ath, Ad	d				\$82.2
					Quantity		Unit Price		Factor	Total	
				Installation	504.00	X	0.16	X	1.0200 =	\$82.25	<u> </u>
40	09220	1101					Scratch/Brown/	Finish N	ote: Excludes lath and	felt.	\$2,407.2
				Interior	or exterior, one Quantity	side.	Unit Price		Factor	Total	
				Installation	1,000.00	X	2.36	x	1.0200 =	\$2,407.20	
41	09220	1101	1112	SF For Smo	ooth Float Finis	h, Add			· .		\$357.0
				<b>,</b> ,	Quantity		Unit Price		Factor 1.0200 =	Total \$357.00	
				Installation	1,000.00	х	0.35	х	1 0200 -		

Proposal Review - CSI Detail

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Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

42	09220	1101	1117	SF For Quar	ntities > 100 To	500, Ad	d				\$428.40
				Installation	Quantity 1,000.00	x	Unit Price 0.42	x	Factor 1.0200 =	Total \$428.40	
13	09250	1504							15.875 mm) Note	: Mesh	\$1,458.60
40	09200	1504		reinforce		Colocaria					
					Quantity		Unit Price		Factor	Total \$1,458.60	
	<u>_</u>			Installation	1,000.00	X	1.43	X .	1.0200 =	ψ1,400.00	\$153.00
44	09250	1504	5009	SF For Horiz	zontal Ceiling A	pplicatio	ons > 8' (2.4 m)	Height,			\$153.00
					Quantity		Unit Price		Factor 1.0200 =	Total \$153.00	
				Installation	1,000.00	Χ.	0.15	<u>x</u>	1.0200 -		\$10,098.12
45	09511	1103		SF 2' x 2' x 3	3/4" Fiberglass	Acousti	cal Ceiling Pan	el			p10,090.12
				1	Quantity		Unit Price		Factor 1.0200 =	Total \$9,220.02	
				Installation	7,174.00	X	1.26 0.12	x x	1.0200 =	\$878.10	
				Demolition	7,174.00	X			· · · · · · · · · · · · · · · · · · ·		\$1,829.37
46	09511	1103	1121	SF For Pren		clipse O	r Cirus) Ceiling	nie, Add		Total	ψ1,020.07
				Installation	Quantity		Unit Price	~	Factor 1.0200 =	Total \$1,829.37	
				······································	7,174.00	<u>×</u>	0.25	X .	1.0200	<i><i><i>ψ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i>,<i>σ</i></i></i>	\$3,000.17
47	09511	1103	2403	SF For Fire	Rated Panels,	Add				T-4-1	φ <u>3</u> ,000.17
				Installation	Quantity		Unit Price		Factor 1.0200 <sup>=</sup>	Total \$3,000.17	
					7,174.00	X	0.41	X			\$658.5
48	09511	1103	2410		/idual Room Qı ' (> 464.5 m2)	antities	< 495 (< 46 m)	2), Add N	lote: For Use Witl	1 Projects >	φ030.31
				5000 51	Quantity		Unit Price		Factor	Total	
				Installation	7,174.00	x	0.09	х	1.0200 =	\$658.57	
				Modifer for room	ns greater than	1 5000 S	F of the overal	l project	<del></del>		
49	09540	1002		SF T Bar Co	eilings Suspens	sion Sys	tem 2'x 2', Star	ndard 15/	'16"		\$10,610.3
					Quantity		Unit Price		Factor	Total	
				Installation	7,174.00	x	1.33	x	1.0200 =	\$9,732.25	
				Demolition	7,174.00	х	0.12	x	1.0200 =	\$878.10	
50	09540	1002	1108	SF For Indiv	vidual Room Q	uantities	< 495 (< 46 m	2), Add N	Note: For Use Wit	h Projects >	\$951.2
				5000 SF	464.5 m2) Quantity		Unit Price		Factor	Total	
				Installation	7,174.00	x	0.13	x	1.0200 =	\$951.27	
				Modifer for roo	ms greater that			l project			
51	09540	1002	1113				and the second se		/here Required		\$1,536.6
0,	00010	1002		<b>-</b>	Quantity	•	Unit Price		Factor	Total	
				Installation	7,174.00	x	0.21	x	1.0200 =	\$1,536.67	
				As per Specs (							
52	09545	1003		SF High Im	pact Clips						\$8,049.2
02	00040	1000		<b>eg</b>	Quantity		Unit Price		Factor	Total	
				Installation	7,174.00	X	1.10	x	1.0200 =	\$8,049.23	
				As per Specs (							
53	09910	1603		SF Paint E	terior Stucco S	Surfaces	, Two Coats Pa	aint, Brus	h Work		\$897 <i>.</i> 6
00	00010			-	Quantity		Unit Price		Factor	Total	
				Installation	1,000.00	х	0.88	x	1.0200 =	\$897.60	
					1,000.00				Subtotal	for 09 \$	48,129.6
- Selection of the	Server Server Server and Server 2. Address	concentration in the second second second			An an and a second second second	. And an an an an	an in the second second	Sector Street	Jubiolai	<u> </u>	ARCHIER N
Sec	tion 11				1.5.2	ana ang ang ang ang ang ang ang ang ang					4- 000 -
54	11425	1104		EA 9'-6" Lo	ng x 60" Deep	Dry Filte	er Exhaust Hoo	d			\$5,326.5
					Quantity		Unit Price		Factor	Tota	I
				Installation	1.00	x	5,222.15	х	1.0200 =	\$5,326.59	
		<u>.</u>							Subtotal	for 11	\$5,326.5
											Page 4 of

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

200000	ion 13	1. Stores	en e	and the second							
5	13973	3003		EA 5.5 Gal A	gent Cylinder \	With Va	alve				\$1,241.71
				Installation	Quantity		Unit Price	x	Factor 1.0200 <sup>=</sup>	Total \$1,241.71	
6	13973	3014			1.00 System Circuit	X	1,217.36 r/Gas Valve Re			<b>•••</b>	\$657.82
0	13973	5014		EA 120VAC		WOInto	Unit Price		Factor	Total	
				Installation	Quantity 1.00	x	644.92	X	1.0200 =	\$657.82	
7	13973	3017			Steel Nozzle				<u></u>		\$1,507.41
	10070	0011			Quantity		Unit Price	•	Factor	Total	
				Installation	5.00	X	295.57	X	1.0200 =	\$1,507.41	
8	13973	3018		EA Remote	Pull Station					· · · · · · · · · · · · · · · · · · ·	\$124.94
					Quantity		Unit Price		Factor	Total	
	-			Installation	1.00	x	122.49	х	1.0200 =	\$124.94	
9	13973	3038		EA 1" Mech	anical Gas Valv	e With	Latching Arm				\$438.37
	-				Quantity		Unit Price		Factor	Total	
				Installation	1.00	x	429.77	X	1.0200 =	\$438.37	
0	13973	9021		EA Disarm//	Arm System					*	\$81.60
					Quantity		Unit Price		Factor	Total	
				Installation	2.00	х	40.00	x	1.0200 =	\$81.60	
									Subtotal fo	r 13 \$	4,051.8
Scf	ion 15	* - 195		ngan Alexandrahat terderat	n in Halle Starte St	1999 E. 19	and the second	in the set			
CI OPOLO	15063	1102		LF 3/8" Insi	de Diameter (9	mm) ()	opper Pipe/Tub	ina Type	<u>-</u> 1		\$668.1
	15005	1102		Li 5/0 mar				ing type	Factor	Total	
				Installation	Quantity 250.00	x	2.62	x	1.0200 =	\$668.10	
:2	15063	1102	1002		K Tubing Inste				· · · · · · · · · · · · · · · · · · ·	<u></u>	\$50.4
2	10000	1102	1002		Quantity		Unit Price		Factor	Total	
				Installation	150.00	x	0.33	х	1.0200 =	\$50.49	
33	15063	1102	2006	LF For Wor	k In Restricted		g Space, Add				\$62.7
-					Quantity		Unit Price		Factor	Total	
				Installation	150.00	x	0.41	x	1.0200 =	\$62.73	
64	15063	1104		LF 3/4" Insi	de Diameter (1	9 mm) (	Copper Pipe/Tu	ibing Ty	pe L		\$994.5
					Quantity		Unit Price		Factor	Total	
		10 A.		Installation	250.00	x	3.90	x	1.0200 =	\$994.50	
55	15063	1104	1002	LF For Type	e K Tubing Inst	ead Of	Type L, Add				\$87.2
					Quantity		Unit Price		Factor	Total	
		_		Installation	150.00	х	0.57	Х	1.0200 =	\$87.21	
66	15063	1104	2006	LF For Wor	k In Restricted	Workin	ig Space, Add				\$68.8
					Quantity		Unit Price		Factor	Total \$68.85	
				Installation	150.00	х	0.45	X	1.0200 =		#000.0
67	15184	1002				e Diame	eter Pipe), 1/2"	Thick Ins	sulation, Flexible Ela	stomeric	\$803.2
				Unicellu	lar Cover Quantity		Unit Price		Factor	Total	
				Installation	250.00	x	3.15	х	1.0200 =	\$803.25	
58	15184	1002	1023	LF For Wo	k In Restricted	Workin	ng Space, Add		- · · ·		\$113.2
					Quantity		Unit Price		Factor	Total	
				Installation	150.00	x	0.74	х	1.0200 =	\$113.22	
		1002				Diame	eter Pipe), 1/2"	Thick In	sulation, Flexible Ela	stomeric	\$803.2
69	15184			Unicellu	lar Cover					Total	
69	15184			Officence	Quantity		Unit Price		Factor	10131	

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

70	15184	1002	1023	LF For Wor	k In Restricted	Workin	g Space, Add					\$113.22
					Quantity		Unit Price		Factor		Total	
				Installation	150.00	х	0.74	х	1.0200	=	\$113.22	
71	15190	1103	,	SF 2" Thick	Fibrous Glass	Blankel	With Reinforce	d Foil, 3	/4# Density			\$7,180.8
					Quantity		Unit Price		Factor		Total	
				Installation	4,000.00	х	1.76	х	1.0200	=	\$7,180.80	•
72	15190	1103	6101	SF For Wor	k In Restricted	Workin	g Space, Add					\$1,346.4
					Quantity		Unit Price		Factor		Total	
				Installation	3,000.00	х	0.44	х	1.0200	=	\$1,346.40	
73	15190	1301		SF 1" Thick	Fibrous Glass	Blanke	t With Reinforce	d Foil, 1	.5# Density		• •	\$9,593.1
					Quantity		Unit Price		Factor		Total	
				Installation	4,500.00	x	2.09	x	1.0200	=	\$9,593.10	
74	15190	1301	6101	SF For Wor	k In Restricted	Workin	g Space, Add					\$1,938.0
					Quantity		Unit Price		Factor		Total	
				Installation	3,800.00	x	0.50	х	1.0200	=	\$1,938.00	
75	15661	2001		EA 1.5 Ton	13 SEER Air C	ooled C	Condensing Unit	Note: P	recharged wi	h refri	gerant	\$1,149.4
• -				capable	of charging the	systen	n with a 20' leng	th of pip	ing.		Total	
				Installation	Quantity		Unit Price	v	Factor 1.0200	=	\$1,149.40	
<u>.</u>					1.00	x	1,126.86	<u>x</u>	1.0200			\$201.7
76	15661	2001	2009	EA For 14 S	SEER, Add				Frater		Total	Ψ201.1
				Installation	Quantity		Unit Price 197.77	x	Factor 1.0200	=	\$201.73	
					1.00	X	197.77		1.0200			\$96.0
77	15661	2001	2015	EA For Sen	ni-Hermatic Uni	t, Add			Factor		Total	
				Installation	Quantity		Unit Price		Factor 1.0200	=	\$96.06	
				Installation							1	
					1.00	X	94.18	X nit Elor			ately 1/2	\$8,415.7
78	15770	2005		EA 7-1/2 To	on Cooling Root		ckaged HVAC U				ately 1/2	\$8,415.7
78	15770	2005		EA 7-1/2 To			-		ctric Heat App Factor	iroxim	Total	\$8,415.7
78	15770	2005		EA 7-1/2 To	on Cooling Root Capacity		ckaged HVAC U		ctric Heat App	iroxim		
	15770 15770	2005 2005	2102	EA 7-1/2 To Cooling Installation	on Cooling Root Capacity Quantity	ftop Pa	ckaged HVAC U Unit Price	nit, Elec	ctric Heat App Factor	iroxim	Total	
			2102	EA 7-1/2 To Cooling Installation	on Cooling Root Capacity Quantity 1.00	ftop Pa	ckaged HVAC U Unit Price	nit, Elec	ctric Heat App Factor 1.0200 Factor	=	Total \$8,415.78 Total	
			2102	EA 7-1/2 To Cooling Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A	ftop Pa	ckaged HVAC U Unit Price 8,250.76	nit, Elec	ctric Heat App Factor 1.0200	=	Total \$8,415.78	\$995.4
79			2102	EA 7-1/2 To Cooling Installation EA For Uni Installation	on Cooling Roof Capacity Quantity 1.00 t Economizer, A Quantity	ftop Par x \dd x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96	nit, Elec x	ctric Heat App Factor 1.0200 Factor	=	Total \$8,415.78 Total \$995.48	\$995.4
79	15770	2005		EA 7-1/2 To Cooling Installation EA For Uni Installation	on Cooling Roof Capacity Quantity 1.00 t Economizer, A Quantity 1.00	ftop Par x \dd x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96	nit, Elec x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor	= =	Total \$8,415.78 Total \$995.48 Total	\$995.4
79	15770	2005		EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00	ftop Par x Add x coof Cur x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48	nit, Elec x x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200	= = =	Total \$8,415.78 Total \$995.48 Total \$649.21	\$995.4 \$649.2
79 80	15770	2005		EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro	ftop Par x Add x coof Cur x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price	nit, Elec x x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200	= = =	Total \$8,415.78 Total \$995.48 Total \$649.21	\$995.4 \$649.2
79 80	15770 15770	2005 2005		EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro	ftop Par x Add x coof Cur x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 rackaged HVAC	nit, Elec x x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat A	= = = pproxir	Total \$8,415.78 Total \$995.48 Total \$649.21	\$995.4 \$649.2 \$14,259.7
79 80	15770 15770	2005 2005		EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity	ftop Par x Add x ooof Cur x oftop P	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price	nit, Elec x x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200	= = = pproxir	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2	\$995.4 \$649.2 \$14,259.7
79 80 81	15770 15770 15770	2005 2005 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 upment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00	ftop Par x Add x coof Cur x oftop P x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 rackaged HVAC	nit, Elec x x X Unit, Elec	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor	= = = pproxir	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2 Total	\$995.4 \$649.2 \$14,259.7
79 80 81	15770 15770	2005 2005		EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 t Economizer, A	ftop Par x Add x coof Cur x oftop P x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11	nit, Elec x x X Unit, Elec	Etric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor 1.0200	= = pproxir =	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2 Total	\$995.4 \$649.2 \$14,259.7
79 80 81	15770 15770 15770	2005 2005 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 t Economizer, A Quantity	ttop Par x Ndd x coof Cur x oftop P x Add	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price	nit, Elec x x X Unit, Elec x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor	= = pproxir	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2 Total \$14,259.71	\$995.4 \$649.2 \$14,259.7
79 80 81 82	15770 15770 15770 15770	2005 2005 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00	ftop Par x \dd x coof Cur x oftop P x \dd x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 rackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48	nit, Elec x x X Unit, Elec	Etric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor 1.0200 Factor	= = pproxir	Total \$8,415.78 Total \$995.48 Total \$649.21 mately 1/2 Total \$14,259.71 Total	\$995.4 \$649.2 \$14,259.7 \$1,682.4
79 80 81 82	15770 15770 15770	2005 2005 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 upment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 upment Base R	ftop Par x \dd x coof Cur x oftop P x \dd x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add	nit, Elec x x X Unit, Elec x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200	= = = pproxir =	Total \$8,415.78 Total \$995.48 Total \$649.21 mately 1/2 Total \$14,259.71 Total \$14,682.47	\$995.4 \$649.2 \$14,259.7 \$1,682.4
79 80 81 82	15770 15770 15770 15770	2005 2005 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni Installation EA For Equ	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 uipment Base R Quantity	ttop Par x Add x coof Cur x oftop P x Add x Roof Cu	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add Unit Price	nit, Elec x x Unit, Elec x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor 1.0200 Factor 1.0200	= = pproxir =	Total \$8,415.78 Total \$995.48 Total \$649.21 mately 1/2 Total \$14,259.71 Total	\$995.4 \$649.2 \$14,259.7 \$1,682.4
79 80 81 82 83	15770 15770 15770 15770	2005 2005 2007 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni Installation EA For Equ	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 uipment Base R Quantity 1.00	top Par x Add x coof Cur x oftop P x Add x Roof Cu x	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add Unit Price 1,083.68	nit, Elec x x Unit, Elec x unit, Elec x x	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 ectric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200	= = pproxir = =	Total \$8,415.78 Total \$995.48 Total \$649.21 mately 1/2 Total \$14,259.71 Total \$1,682.47	\$995.4 \$649.2 \$14,259.7 \$1,682.4 \$1,105.5
79 80 81 82 83	15770 15770 15770 15770	2005 2005 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA For Uni Installation EA For Uni Installation EA For Equ Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 uipment Base R Quantity 1.00	top Par x Add x coof Cur x oftop P x Add x Roof Cu x X	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add Unit Price 1,649.48 rbs, Add	nit, Elec x x Unit, Ele x unit, Ele x x x Fan No	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200	= = = pproxir = =	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2 Total \$14,259.71 Total \$1,682.47 Total \$1,682.47	\$995.4 \$649.2 \$14,259.7 \$1,682.4 \$1,105.3
79 80 81 82 83	15770 15770 15770 15770	2005 2005 2007 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA For Uni Installation EA For Uni Installation EA For Equ Installation	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 uipment Base R Quantity 1.00 uipment Base R Quantity 1.00	top Par x Add x coof Cur x oftop P x Add x Roof Cu x X	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add Unit Price 1,649.48 rbs, Add Unit Price	nit, Elec x x Unit, Ele x unit, Ele x x x Fan No	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 te: Belt drive rease baffle a	= = = pproxir = = n. nd dis	Total \$8,415.78 Total \$995.48 Total \$649.21 mately 1/2 Total \$14,259.71 Total \$1,682.47 Total \$1,682.47	\$995.4 \$649.2 \$14,259.7 \$1,682.4 \$1,105.3 \$2,283.3
79 80 81 82 83	15770 15770 15770 15770	2005 2005 2007 2007 2007	2104	EA 7-1/2 To Cooling Installation EA For Uni Installation EA For Equ Installation EA 12-1/2 Cooling Installation EA For Uni Installation EA For Equ Installation EA For Equ	on Cooling Root Capacity Quantity 1.00 t Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 Ton Cooling Ro Capacity Quantity 1.00 it Economizer, A Quantity 1.00 uipment Base R Quantity 1.00 uipment Base R Quantity 1.00 uipment Base R	top Par x Add x coof Cur x oftop P x Add x Roof Cu x X	ckaged HVAC U Unit Price 8,250.76 Unit Price 975.96 rbs, Add Unit Price 636.48 ackaged HVAC Unit Price 13,980.11 Unit Price 1,649.48 rbs, Add Unit Price 1,649.48 rbs, Add	nit, Elec x x Unit, Ele x unit, Ele x x x Fan No	ctric Heat App Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200 Factor 1.0200	= = = pproxir = = n. nd dis	Total \$8,415.78 Total \$995.48 Total \$649.21 nately 1/2 Total \$14,259.71 Total \$1,682.47 Total \$1,682.47	\$1,682.4 \$1,105.3 \$2,283.3

Proposal Review - CSI Detail

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Job Order Number: 07695 Job Order Name: F.S. #81 - HVAC

Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM Review<sup>.</sup>

(evi	ew:		Fire St	ation #81 HV	AC Replacemer	it - 3/1.	2/2008 12:1	7:50PN	//			
85	15821	3124	3154	EA For	Totally Enclosed M	otor, Ad	d					\$173.40
					Quantity		Unit Price		Factor		Total	
				Installation	י 2.00	x	85.00	х	1.0200	=	\$173.40	
86	15821	3124	3155	EA For	Grease Trap Kit, Ad	dd						\$155.88
				•	Quantity		Unit Price		Factor		Total ¢155.99	
				Installation	2.00	X	76.41	x	1.0200		\$155.88	¢474.0
87	15821	3124	3156	EA Foi	Hinged Curb Kit, Ad	dd						\$171.07
					Quantity		Unit Price		Factor	_	Total \$171.07	
				Installation	2.00	<u> </u>	83.86	<u>x</u>	1.0200		φ171.07	\$853.82
88	15828	3003		EA 30-	1/2" To 37" Long, 18	3" High /	-	f Curb	·		T-4-1	<b>ф003.0</b> 4
				Installatio	Quantity		Unit Price		Factor 1.0200	=	Total \$853.82	
					2.00	X	418.54	<u>x</u>	1.02.00			\$2,695.92
89	15828	4018		EA 72'	x 72" Roof Curb				<b>F</b> actor		Total	ψ2,000.02
				Installatio	Quantity	.,	Unit Price	x	Factor 1.0200	=	\$2,695.92	
	45004				CFM Single Zone /	X	1,321.53					\$1,487.7
90	15834	1103			rtical, Draw-Through		aing Onit, Built-	op, con	stant volume	, 1101120	/ital/	ψι, ιστ
					Quantity		Unit Price		Factor		Total	
				Installatio	n <u>1.00</u>	х	1,458.58	x	1.0200	= 	\$1,487.75	
91	15834	1103	1421	EA Fo	r Flat Filter Box And	Throwa	way Filters, Ado	Ł				\$130.97
					Quantity		Unit Price		Factor	_	Total	
				Installatio	n 1.00	X	128.40	<u> </u>	1.0200		\$130.97	<u> </u>
92	15834	1103	1429	EA Fo	r Electric Heating Co	oil, Add						\$544.8
					Quantity		Unit Price		Factor	_	Total \$544.82	
				Installatio	1.00	X	534.14	X	1.0200			\$601.40
93	15834	1103	1436	EA Fo	r Direct Expansion C	Cooling C		ns, Add				\$601.40
				Installatio	Quantity		Unit Price		Factor 1.0200	=	Total \$601.40	
				Installatio	1.00	<u>x</u>	589.61	<u>x</u>	1.0200			\$158.4
94	15834	1103	1461	EA Fo	r Variable Air Volum	e, Add					Total	ψ100. <del>4</del>
				Installatio	Quantity		Unit Price		Factor 1.0200	=	Total \$158.42	
					1:00	X	155.31	X	1.0200			\$84.8
95	15834	1103	1921	EA Fo	r Coil Coating For E	ach Coll			Factor		Total	<b>QO</b> 1.0
				Installatio	Quantity	v	Unit Price 83.20	x	Factor 1.0200	=	\$84.86	
	450.40				1.00	X Ind Duct	······································					\$19,604.4
96	15840	1111		LB Ga	Ivanized Steel Weld				Factor		Total	• • • •
				Installatio	Quantity n 2,000.00	x	Unit Price 9.61	x	1.0200		\$19,604.40	
07	15940	1111	1376	· · · · · · · · · · · · · · · · · · ·	r PVC Coated, Insid							\$4,916.4
97	15840	1111	1370		Quantity		Unit Price		Factor		Total	· .
				Installatio		x	2.41	x	1.0200		\$4,916.40	
08	15840	1111	3101	LB Fo	r Work In Restricted							\$3,896.4
90	15040		5101	20 10	Quantity		Unit Price		Factor		Total	
				Installatio		X	1.91	x	1.0200		\$3,896.40	
99	15840	1502		LB St	neet Metal Ductwork		n Pressure, Fie	ld Fabric	ated, Galvar	ized, Fi	ield	\$37,780.8
					semble And Install						Total	
					Quantity		Unit Price		<ul> <li>Factor</li> <li>1.0200</li> </ul>		\$37,780.80	
				Installatio	•	<b>1</b>						
				Installatio	on 8,000.00	X	4.63	x	1.0200			\$9.057.6
100	15840	1502	3101		•				Factor	<u> </u>	Total	\$9,057.6

Proposal Review - CSI Detail

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Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM Review:

101 15861	2043	-	EA 14"x 10" R	ectangular O	pposed	Blade Damper	, Steel C	construction, M	anual	\$51.95
			Operation	Quantity		Unit Price		Factor	Total	
			Installation	1.00	x	50.93	х	1.0200 =	= \$51.95	
102 15861	2065		EA 18"x 14" R Operation	ectangular O	pposed	Blade Damper	, Steel C	Construction, M	lanual	\$68.45
			Installation	Quantity		Unit Price		Factor 1.0200 <sup>=</sup>	Total = \$68.45	
				1.00	<u>×</u>	67.11	X			\$86.84
103 15861	2077		EA 20"x 18" R Operation	ectangular O	pposed	Blade Damper	, Steer C	construction, M		φ00.0 <del>4</del>
			· .	Quantity		Unit Price		Factor 1.0200 <sup>=</sup>	Total = \$86.84	
	· · · · · · ·		Installation	1.00	<u>x</u>	85.14	X			\$99.63
104 15861	2088		EA 22"x 20" R Operation	ectangular O	pposed	Blade Damper	, Steel C	construction, iv	lanual	<b>499.00</b>
				Quantity		Unit Price		Factor	Total	
			Installation	1.00	x	97.68	x	1.0200 =	= \$99.63	
		- 	Actual size 30"X1		50 70		Duch Des	Constant	Volumo Control	\$738.43
105 15869	3103		EA 7 - 10" Dia		50 - 72	Unit Price		Factor	Volume Control Total	<i>₩100.</i> 40
			Installation	Quantity 1.00	x	723.95	x	1.0200		
106 15869	3103	3301	EA For Boxes	With Motor, A		120.00				\$20.40
100 10000	0100	0001		Quantity		Unit Price		Factor	Total	
			Installation	1.00	X	20.00	×	1.0200	= \$20.40	
107 15869	3104		EA 9 - 12" Dia			0 CFM, Single	Duct Bo	xes, Constant	Volume Control	\$751.10
	0101			Quantity		Unit Price		Factor	Total	
			Installation	1.00	x	736.37	x	1.0200	= \$751.10	
108 15869	3104	3301	EA For Boxes	With Motor,	Add					\$20.40
				Quantity		Unit Price		Factor	Total	
			Installation	1.00	х	20.00	x	1.0200	= \$20.40	
109 15869	3104		EA 9 - 12" Dia	meter Inlet, 2	200 - 96	0 CFM, Single	Duct Bo	xes, Constant	Volume Control	\$751.10
				Quantity		Unit Price		Factor	Total	
			Installation	1.00	x	736.37	x	1.0200	= \$751.10	
110 15869	3104	3301	EA For Boxes	With Motor,	Add					\$20.40
				Quantity		Unit Price		Factor	Total = \$20.40	
			Installation	1.00	x	20.00	<u>x</u>	1.0200		
<i>111</i> 15869	3106		EA 14" Diame			CFM, Single D	uct Boxe	es, Constant Vo		\$868.84
				Quantity		Unit Price		Factor	Total = \$868.84	
			Installation	1.00	х	851.80	х	1.0200	- \$000.04	
			1500 CFM	14646 88-6	م ما م <b>ا</b>					\$20.40
<i>11</i> 2 15869	3106	3301	EA For Boxes	With Motor,	Add	Unit Drine		Factor	Total	
			Installation	Quantity	v	Unit Price 20.00	X	1.0200		
440 45000	2100			1.00	X 1680	CFM, Single D				\$868.84
113 15869	3106		EA 14" Diame		- 1000			Factor	Total	
			Installation	Quantity 1.00	х	Unit Price 851.80	x	1.0200		
			1200 CFM	1.00	~	001.00				
114 15869	3106	3301		With Motor,	Add					\$20.40
	2.00			Quantity		Unit Price		Factor	Total	
			Installation	1.00	x	20.00	x	1.0200	= \$20.40	· · · · · · · · · · · · · · · · · · ·
115 15869	3107		EA 16" Diam			CFM, Single D	uct Boxe	es, Constant V	olume Control	\$908.7
				Quantity		Unit Price		Factor	Total	
			Installation			890.94	х	1.0200	= \$908.76	

3/20/2008

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

Review:		Fire St	ation #81 HVAC I	Replacement -	3/12/2008 12	2:17:50P	M			
<i>116</i> 15869	3107	3301	EA For Boxe	es With Motor, Ad	d					\$20.40
			Installation	Quantity 1.00	Unit Pric x 20.0		Factor 1.0200	=	Total \$20.40	
117 15869	3107		EA 16" Diam		2160 CFM, Single	Duct Boxe	es, Constant V	olume Contro	ol	\$908.76
				Quantity	Unit Pric		Factor		Total	
			Installation	1.00	x 890.9	4 x	1.0200	=	\$908.76	
<i>118</i> 15869	3107	3301	EA For Boxe	es With Motor, Ad	d					\$20.40
				Quantity	Unit Pric	e	Factor		Total	
			Installation		x 20.0		1.0200		\$20.40	
<i>119</i> 15869	3108		EA 20" x 16'	' Inlet, 550 - 2640	CFM, Single Duo	t Boxes, C	Constant Volur	ne Control		\$958.34
				Quantity	Unit Pric	е	Factor		Total	
			Installation	1.00	x 939.5	5 X	1.0200	=	\$958.34	
<i>120</i> 15869	3108	3301	EA For Boxe	es With Motor, Ad	ld					\$20.40
			1	Quantity	Unit Pric	е	Factor	_	Total	
<u></u>			Installation		x 20.0		1.0200		\$20.40	<u></u>
<i>121</i> 15872	2011		EA 24" x 24"	" Ceiling Diffuser,	Louver Face, Adj	ustable Pa	attern, Surface	Mounted,		\$4,428.37
			Aluminu	m Construction W Quantity	Unit Damper	e	Factor		Total	
			Installation	-	x 103.3	7 X	1.0200	=	\$4,428.37	
122 15872	2011	2202	EA For Lay-	In Mount, Add	<u> </u>		<u></u> .			\$512.37
				Quantity	Unit Pric	e	Factor		Total	
			Installation	•	x 11.9	6 X	1.0200	=	\$512.37	
123 15920	1402		EA 8 Univer	sal Input, 4 Analo	og Output, 8 Digita	al Output, I	Panel High Le	vel Block		\$3,434.99
1	e de la		Program	n, ASD Bus Comp	atible Unit Pric	· ^	Factor		Total	
			Installation	Quantity 1.00	x 3,367.6		1.0200	=	\$3,434.99	
124 15920	3102		EA Room T		or With Cover An					\$1,982.80
724 13320	5102			Quantity	Unit Pric		Factor		Total	
			Installation	· •	x 242.9		1.0200	= ',	\$1,982.80	
125 15920	3103		EA Duct Te	mperature Senso	·····	<b></b>				\$384.07
120 10020				Quantity	Unit Pric	e	Factor		Total	
			Installation	•	x 188.2		1.0200	=	\$384.07	
126 15920	3201		EA Room H	lumidity Sensor V	Vith Cover					\$869.14
				Quantity	Unit Pric	e	Factor		Total	. *
			Installation	2.00	x 426.0	)5 X	1.0200	=	\$869.14	
127 15920	3305		EA Duct Sta	atic Pressure Sen	sor					\$627.10
				Quantity	Unit Pric	e	Factor		Total	
			Installation	2.00	x 307.4	10 X	1.0200	=	\$627.10	
						•	Subto	tal for 15	\$15	56,438.63
Section 16		ent en cal Cold		an contract and the						- 1. 1
128 16119	1131		LF 1-5/8" x	7/8" Metal Chan	nel, 12 Gauge Wit	hout Supp	orts		And a second second of the second sec	\$177.68
120 10119	1151		LI- 1-3/0 X		Unit Prie		Factor		Total	
			Installation	Quantity 20.00	x 8.1		1.0200		\$177.68	
129 16119	1133		LF 1-5/8" x	and the second	nnel, 12 Gauge V			<u></u>		\$506.74
129 10119	1155		LI 1-5/0 X	Quantity	Unit Prie		Factor		Total	ι.
			Installation	48.00	x 10.3		1.0200		\$506.74	
130 16119	1133		LF 1-5/8" x		innel, 12 Gauge V		pports			\$211.14
100 10113			<u>_</u>	Quantity	Unit Pri		Factor		Total	
			Installation	20.00	x 10.3		1.0200		\$211.14	

Proposal Review - CSI Detail

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Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

Review:		File St	ation #81 HVAC	Replacement	[-3/]	2/2008 12.1	7.5011				
131 16120	1223		MLF #12 AV	VG Cable - XLP (	XHHW	), 600 V, Single	Strande	d, Placed In	Conduit		\$1,547.75
			Installation	Quantity 2.50	x	Unit Price 606.96	x	Factor 1.0200	=	Total \$1,547.75	
132 16120	1223	•	MLF #12 AV	VG Cable - XLP (			Strande	d, Placed In	Conduit		\$1,547.7
				Quantity		Unit Price		Factor		Total	
			Installation	2.50	x		x	1.0200	=	\$1,547.75	
133 16120	1224		MLF #10 AV	VG Cable - XLP (			Strande	d, Placed In	Conduit		\$2,004.9
				Quantity		Unit Price		Factor		Total	
			Installation	2.50	х	786.24	x	1.0200	= 、	\$2,004.91	
134 16120	1224		MLF #10 A\	VG Cable - XLP (		/), 600 V, Single	Strande	ed, Placed In	Conduit	· .	\$2,004.9
				Quantity		Unit Price		Factor		Total	
			Installation	2.50	х	786.24	x	1.0200	=	\$2,004.91	
135 16120	1225		MLF #8 AW	G Cable - XLP (X	(HHW)	, 600 V, Single	Strandeo	I, Placed In C	onduit		\$2,384.7
				Quantity	,	Unit Price		Factor		Total	
		e	Installation	2.50	x	935.19	x	1.0200	= .	\$2,384.73	
136 16120	1226		MLF #6 AW	G Cable - XLP (X	(HHW)	, 600 V, Single	Strandeo	d, Placed In C	onduit		\$3,410.0
				Quantity	,	Unit Price		Factor		Total	
			Installation	2.50	x	1,337.29	x	1.0200	=	\$3,410.09	
137 16120	1227	· · · · · · · · · · · · · · · · · · ·	MLF #4 AW	G Cable - XLP (X			Strandeo	d, Placed In C	onduit		\$4,909.2
Exclude				Quantity	,	Unit Price		Factor		Total	
Equipm			Installation	2.50	x	1,925.20	x	1.0200	=	\$4,909.26	
138 16120	1229		MLF #2 AW	G Cable - XLP (X							\$7,217.5
750 10120	1225		WE #27(V)	Quantity	(11100)	Unit Price		Factor		Total	
			Installation	2.50	x	2,830.42	x	1.0200	=	\$7,217.57	
139 16120	1229		MLF #2 AV	G Cable - XLP (X				. Placed In C	Conduit		\$6,755.6
159 10120	1225			Quantity		Unit Price		Factor		Total	
			Installation	2.34	x	2,830.42	x	1.0200	=	\$6,755.65	
140 16131	2612		LF 3/4" E	MT Conduit, Mou							\$2,717.2
140 10131	2012					Unit Price	- Tun	Factor		Total	
			Installation	Quantity 1,200.00	x	2.22	x	1.0200	=	\$2,717.28	
141 16131	2612	2821		ork In Restricted						,	\$440.6
141 10131	2012	2021			440110	Unit Price		Factor		Total	
			Installation	Quantity 800.00	x	0.54	x	1.0200	=	\$440.64	
440 40424	2612		· · · · · · · · · · · · · · · · · · ·	stallation Above 1							\$220.3
142 16131	2612	2822	LF FORM		4 (4.3			Factor		Total	
			Installation	Quantity	X	Unit Price 0.27	x	1.0200	=	\$220.32	
	0010		<u></u>	800.00 T Conduit, Mount				,			\$1,109.
<i>14</i> 3 16131	2613		LF 1" EM		eu cxp		van	Factor		Total	•••
			Installation	Quantity		Unit Price 2.72	x	1.0200	=	\$1,109.76	
			· · · · · · · · · · · · · · · · · · ·	400.00	X						\$81.0
144 16131	2613	2628	LF For In	stallation In Metal	Stud			Feeter		Total	<b>Q</b> UI
			Installation	Quantity		Unit Price 0.20	v	Factor 1.0200		\$81.60	
				400.00	X		X	1.0200			\$240.
145 16131	2613	2821	LF For W	ork In Restricted	VVORKI			₩		Total	Ψ2-10.
			Installation	Quantity		Unit Price		Factor 1.0200		\$240.72	
			Installation	400.00	<u>X</u>	0.59	X	1.0200		φ <u>2</u> -10.12	\$122.
146 16131	2613	2822	LF For In	stallation Above 1	14' (4.3						φιΖΖ.
			Installation	Quantity 400.00	x	Unit Price 0.30	x	Factor 1.0200		Total \$122.40	

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Proposal Review - CSI Detail

Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

eview:		The St	ation #81 HVAC	періасстісті	0/ 1.	2/2000 12:1	1.0011				
147 16131	2672		EA 3/4" EM	T Compression	Couplir	ng, Mounted Ex	posed O	n Flat Wall			\$232.56
				Quantity		Unit Price		Factor		Total	
			Installation	80.00	х	2.85	x	1.0200	=	\$232.56	
148 16131	2672	2821	EA For Wo	k In Restricted V	Vorking	g Space, Add					\$61.20
				Quantity		Unit Price		Factor		Total	
			Installation	80.00	x	0.75	x	1.0200	=	\$61.20	
149 16131	2672	2822	EA For Inst	allation Above 14	4' (4.3 i	m), Add					\$31.01
				Quantity		Unit Price		Factor		Total	
			Installation	80.00	х	0.38	x	1.0200	=	\$31.01	
150 16131	2673		EA 1" EMT	Compression Co	oupling	, Mounted Expo	osed On	Flat Wall			\$169.32
*				Quantity		Unit Price		Factor		Total	
			Installation	40.00	x	4.15	x	1.0200	=	\$169.32	
151 16131	2673	2821	EA For Wo	rk In Restricted V	Norking	g Space, Add					\$44.06
				Quantity		Unit Price		Factor		Total	
			Installation	40.00	x	1.08	x	1.0200	= '	\$44.06	
152 16131	2673	2822	EA For Inst	allation Above 1	4' (4.3	m), Add					\$22.03
				Quantity		Unit Price		Factor		Total	
· · · · ·			Installation	40.00	<b>x</b> .	0.54	<b>X</b>	1.0200	. =	\$22.03	
153 16131	2732		EA 3/4" EN	T Box Connecto	r, Com	pression					\$61.53
				Quantity		Unit Price		Factor		Total	
			Installation	16.00	x	3.77	x	1.0200	=	\$61.53	
154 16131	2732	2821	EA For Wo	rk In Restricted	Norkin	g Space, Add					\$12.24
				Quantity		Unit Price		Factor		Total	
			Installation	16.00	х	0.75	x	1.0200	=	\$12.24	
155 16131	2732	2822	EA For Inst	allation Above 1	4' (4.3	m), Add					\$6.20
				Quantity	•	Unit Price		Factor		Total	
			Installation	16.00	х	0.38	x	1.0200	= .	\$6.20	
156 16131	2733		EA 1" EMT	Box Connector,	Comp	ression					\$41.53
				Quantity		Unit Price		Factor		Total	
			Installation	8.00	x	5.09	x	1.0200	=	\$41.53	
157 16131	2733	2821	EA For Wo	rk In Restricted	Workin	g Space, Add					\$7.02
				Quantity		Unit Price		Factor		Total	
			Installation	8.00	x	0.86	×	1.0200	=	\$7.02	
158 16131	2733	2822	EA For Ins	tallation Above 1	4' (4.3	m), Add	· .				\$3.51
				Quantity		Unit Price		Factor		Total	
			Installation	8.00	х	0.43	х	1.0200	=	\$3.51	
159 16131	2802		EA 3/4" LE	, LR, Or LL Fittir	ng With	Cover And Set	t Screw				\$88.6
			:	Quantity		Unit Price		Factor	•	Total	
			Installation	6.00	x	14.49	x	1.0200	=	\$88.68	
160 16131	2802	2821	EA For Wo	ork In Restricted	Workin	ng Space, Add					\$16.4
				Quantity		Unit Price		Factor	- ,	Total	
			Installation	6.00	x	2.69	x	1.0200	=	\$16.46	
161 16131	2802	2822	EA For Ins	tallation Above 1	4' (4.3	m), Add					\$8.2
				Quantity		Unit Price		Factor	•	Total	
			Installation	6.00	х	1.34	х	1.0200	=	\$8.20	
162 16131	4113		LF 1" PVC	Schedule 40 C	onduit	With Coupling,	Direct B	urial, Glued C	Coupling		\$306.0
				Quantity		Unit Price		Facto	r .	Total	
			Installation	150.00		2.00	х	1.0200	=	\$306.00	

Proposal Review - CSI Detail

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### Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

163 16131	4113	4189	LF For Sche	dule 80, Add							\$53.55
100 10101		1100		Quantity		Unit Price		Factor		Total	
	. *		Installation	150.00	x	0.35	x	1.0200	=	\$53.55	
164 16131	8114		LF 1" Liquid	Tight Flex Cor	nduit						\$95.47
				Quantity		Unit Price		Factor		Total	
			Installation	40.00	х	2.34	x	1.0200	=	\$95.47	
165 16131	8114	9199	LF For Work	In Restricted	Working	g Space, Add					\$17.54
				Quantity		Unit Price		Factor	_	Total	
			Installation	40.00	x	0.43	X	1.0200		\$17.54	
166 16131	8117		LF 2" Liquid	Tight Flex Cor	nduit						\$207.67
			Installation	Quantity	•	Unit Price		Factor	_	Total \$207.67	
<u> </u>			Installation	40.00	X	5.09	X	1.0200		ψ201.01	¢25.00
167 16131	8117	9199	LF For Work	c In Restricted	Workin					~	\$35.09
			Installation	Quantity		Unit Price		Factor 1.0200		Total \$35.09	
				40.00	X	0.86	X	1.0200			\$38.98
168 16131	8134		EA 1" Straig								\$30.9C
			Installation	Quantity		Unit Price		Factor 1.0200	=	Total \$38.98	
				6.00	X	6.37	x	1.0200			\$6.61
169 16131	8134	9199	EA For Worl	k In Restricted	Workin			<b>F</b>		Total	ψ0.01
			Installation	Quantity		Unit Price 1.08	x	Factor 1.0200	=	\$6.61	
170 40404	0407		· · · · · · · · · · · · · · · · · · ·	6.00	x	1.00	<u> </u>	1.0200			\$86.60
70 16131	8137		EA 2" Straig	ht Connector		Usik Deise		Factor		Total	400.00
			Installation	Quantity	x	Unit Price 14.16	x	1.0200	=	\$86.66	
474 46494	0107	0100		6.00 k In Restricted							\$9.24
<i>171</i> 16131	8137	9199	EA FOLVUI		VVOINII	Unit Price		Factor		Total	•
			Installation	Quantity 6.00	x	1.51	x	1.0200	=	\$9.24	
172 16131	8154			gree Angle Co		· · · · · · · · · · · · · · · · · · ·					\$58.20
172 10101	0104			Quantity		Unit Price		Factor		Total	
			Installation	6.00	x	9.51	x	1.0200	=	\$58.20	
173 16131	8154	9199	EA For Wor	k In Restricted							\$9.24
//0 10101	0101	0.00		Quantity		Unit Price		Factor		Total	
			Installation	6.00	x	1.51	x	1.0200		\$9.24	
174 16140	1112		EA 1 Gang,		-20, Du	plex Receptacle	e Assem	bly Note: Incl	ludes box,		\$103.24
				le and cover p						Total	
			Installation	Quantity	~	Unit Price 33.74	x	Factor 1.0200	=	\$103.24	
475 16140				3.00		ceptacle Asserr					\$130.1
<i>175</i> 16140	1116		cover pla			ceptacie / locon	iory recto		,		
			1	Quantity		Unit Price		Factor		Total \$130.14	
		·	Installation	3.00	X	42.53	<u>×</u>	1.0200			¢1 024 5
176 16155	4131		EA Combine 600 V, 3		ize 0, N	IEMA 12 With D	Disconne	ct Switch, Re	versing, 24	• <b>U -</b>	\$1,024.58
			· · · ·	Quantity		Unit Price		Factor		Total	
			Installation	1.00	х	1,004.49	X	1.0200		\$1,024.58	
177 16155	4133		EA Combin 600 V, 3		ize 2, N	IEMA 12 With D	Disconne	ct Switch, Re	eversing, 24	-0	\$1,757.33
			600 V, 3	Quantity		Unit Price		Factor		Total	
			Installation	1.00	x	1,722.86	x	1.0200	=	\$1,757.32	

Proposal Review - CSI Detail

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Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Review: Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM

178 161	155	4134			nbination Starter, Si V, 3 Phase	ze 3, N		isconnec		versing, 240		\$2,742.68
				Installation	Quantity	x	Unit Price 2,688.90	x	Factor 1.0200	=	Total \$2,742.68	
179 161	170	2333	-	EA 100 Pha	A Fused Disconne			eneral D	uty, With Fus	ses, 240 V,	3	\$520.6
					Quantity		Unit Price		Factor	_	Total \$520.64	
				Installation	1.00	×	510.43	<u>×</u>	1.0200		φ <u></u> σ <u></u> σ <u></u> σσ <u></u> σ	\$66.0
180 161	190	2725		C 11-	1/2" Nylon Cable Tie	es, 40#		n	-		Total	φ00.0v
				Installatio	Quantity 6.00	X	Unit Price 10.79	x	Factor 1.0200	=	Total \$66.03	
<i>181</i> 161	190	2725	2799	C For	UV Black, Add						<u></u>	\$5.5
					Quantity		Unit Price		Factor		Total	
1.11	2 · .			Installatio	6.00	X	0.90	x	1.0200	=	\$5.51	
182 161	190	4505		EA 3/8	" Diameter x 3" Long	g Wedg	e Anchor Expan	ision Bol	t With Nut Ar	d Washer		\$487.40
					Quantity		Unit Price		Factor		Total \$487.46	
				Installation	90.00	х	5.31	<u>x</u>	1.0200			<u> </u>
183 161	190	4505	9791	EA Foi	Drilling Holes In Wa	all Inste		d			<b>T</b> 1.1	\$54.10
				Installation	Quantity		Unit Price	x	Factor 1.0200	=	Total \$54.16	
404.40	400	4505	0011		90.00	X	0.59	^	1.0200			\$130.3
184 16	190	4505	9911	EA For	Work In Restricted	vvorkin			Factor		Total	ψ100.5
				Installatio	Quantity 90.00	×	Unit Price 1.42	x	1.0200	= '	\$130.36	
185 164	471	4411		EA 1F	ole, 120/240 Volt, 1						3	\$150.1
				Ca	pacity Quantity		Unit Price		Factor		Total	
				Installatio		x	73.58	x	1.0200	= ·	\$150.10	
186 164	471	4411	4491	EA Fo	Bolt-On, Add							\$24.3
					Quantity		Unit Price		Factor	_	Total	
				Installatio	2.00	x	11.94	x	1.0200		\$24.36	
187 164	471	4421		-	ole, 120/240 Volt, 1 pacity	5-60 A,		Breaker,		Interrupting	g Total	\$351.3
				Installatio	Quantity	x	Unit Price 172.24	x	Factor 1.0200	=	\$351.37	
<i>188</i> 16	471	4421	4491		n 2.00 r Bolt-On, Add		172.24					\$52.3
100 10	471	7721	101	2. 10	Quantity		Unit Price		Factor		Total	
				Installatio		x	25.65	x	1.0200	=	\$52.33	•
<i>18</i> 9 16	471	4422	-		Pole, 120/240 Volt, 7 pacity	0-100 /	A, Branch Circui	t Breake	r, 22,000 Am	p Interrupti	ng	\$208.3
					Quantity		Unit Price		Factor	-	Total	
				Installatio	n 1.00	x	204.24	X	1.0200		\$208.32	
<i>190</i> 16	471	4422	4491	EA Fo	r Bolt-On, Add							\$31.6
				Installatio	Quantity		Unit Price		Factor 1.0200	=	Total \$31.64	
					1.00	X	31.02	<u>X</u>				\$417.7
<i>191</i> 16	471	4431			Pole, 120/240 Volt, 1 pacity	5-60 A	, Branch Circuit Unit Price	Breaker,	, 22,000 Amp Factor	Interrupting	9 Total	
				Installatio	Quantity n 2.00	x	204.77	x	1.0200	Ξ	\$417.73	
192 16	471	4431	4491		r Bolt-On, Add		64-11.1 f					\$63.4
192 10	-111	101	7771		Quantity		Unit Price		Factor		Total	

Proposal Review - CSI Detail

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Job Order Number: 07695

Job Order Name: F.S. #81 - HVAC

Fire Station #81 HVAC Replacement - 3/12/2008 12:17:50PM **Review:** 

			- nge waa na 2000 - 2000					Subtotal for	16 \$5	58,244.9
			Demolition	14.00	x	10.51	x	1.0200 =	\$150.08	
			Installation	14.00	x	178.26	x	1.0200 =	\$2,545.55	
				Quantity		Unit Price		Factor	Total	
96 16820	2003		EA Atlas/Sou	Indlier Speake	r Mode	FD72W Reces	sed Mou	unted, With Items 200	6-2008	\$2,695.6
			Demolition	44.00	x	14.34	x	1.0200 =	\$643.58	
			Installation	44.00	х	156.04	x	1.0200 =	\$7,003.08	
			banası.	Quantity		Unit Price		Factor	Totai	
95 16510	1332		EA 2' x 2' Lay ballast.	y-In/Troffer Pri	smatic	Lens Fluoresce	nt Fixture	e, (4T8) Note: With el	ectronic	φ1,040.C
			Installation	1.00	X	31.09	X	1.0200		\$7,646.6
			Installation	. Quantity		Unit Price	•	Factor 1.0200 =	Total \$31.71	
94 16471	4431	4491	EA For Bolt-0	On, Add		•				\$31.7
			Installation	1,00	х	204.77	x	1.0200 =	\$208.87	
				Quantity		Unit Price		Factor	Total	
93 16471	4431		EA 3 Pole, 12 Capacity	20/240 Volt, 1:	5-60 A,	Branch Circuit t	sreaker,	22,000 Amp Interrupt	ang .	\$208.8

#### **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

Page 14 of 14 3/20/2008

DATE March 17, 2008		GC 06 - SBE Estimate
Job# 07695 Loc# 173	Fire Station #81 F.S. #81 - HVAC	
SUBMITTED BY	West Construction, Inc. 318 South Dixie Highway Suite4-5 Lake Worth, FL 33460	Contract: R-2007-0948 Awarded: 06/19/2007

#### Proposal Value: \$390,102.46

Contractor/Sub-Contractor	Trade	SBE Status	SBE \$	% of Job
West Construction, Inc.	·	SBE-MWBE Other	390,102.46	390,102.46
	T-4-144	- CRE participation	1	100.00%

#### Total estimate SBE participation

		0.00
0%	Estimated Participation	100%

GC 06 - SBE Estimate



**REQUESTED BY: Pat D'Angelo** 

#### **REQUEST DATE: March 17, 2008**

Project No: 07695

PROJECT TITLE: F.S. #81 - HVAC **LOCATION #: 173 LOCATION DESCRIPTION:** Fire Station #81 **ORIGINAL CONTRACT/ANNUAL AMOUNT:** 

BCC RESOLUTION # / DATE: R-2007-0948 dated 06/19/2007

CSA/LOA/CHANGE ORDER AMOUNT: CSA/LOA/CHANGE ORDER NUMBER: Work Order #: 08-067 CONTRACTOR/CONSULTANT NAME: West Construction, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

Provide replacement of the HVAC system per the plans and specs by BRPH.

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT? Yes

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

	TOTAL:	\$449,944.24	
CONTINGENCY		39,010.25	
EQUIPMENT/OTHER		0.00	
*STAFF COSTS		14,980.00	
ARCHITECT/ENGINE	ER	•	1.5% WORK ORDER AMOUNT FOR TGG FEE
CONSTRUCTION	• · · · ·	390,102.46	

\* 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)

4110-121-A035-6211

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY:

ANTICIPATED DATE OF APPROVAL: ASAP

**BAS APPROVED BY:** -

ENCUMBRANCE NUMBER:

# ATTACHMENT #4

### FEDERAL/DAVIS BACON AD VALOREM ( OTHER ( PBIA)

BCC (WO > \$100,000)

3/17/08 DATE:

See BAS attached

561-233-2052

PBC PP1G

#### BUDGET AVAILABILITY STATEMENT

REQUESTED BY: Pat D'Angel

PHONE: 233-2051

PROJECT NO.: 07695

LOCATION #7

MAR 1 4 2008

FALM FLACE COUNTY

P.M.C

PROJECT TITLE: PBIA - FS#81 - HVAC

LOCATION DESCRIPTION: PBIA

**REQUEST DATE: 03/05/2008** 

ORIGINAL CONTRACT/ANNUAL AMOUNT:

**BCC RESOLUTION#:** 

CSA/LOA CHANGE ORDER AMOUNT:

CSA/LOA CHANGE ORDER NUMBER:

CONTRACTOR/CONSULTANT NAME: West Construction - JOC

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR: Replacement of entire HVAC system - including duct work/ new kitchen hood/ new drop ceiling

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT? IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION\$ 390.095.16ARCHITECTURE/ENGINEER5.851.43STAFF COSTS15,000.00BOND WAVIER(2% Work Order Amount For Bond Waiver Contacts Only)EQUIPMENT/OTHER(10%)CONTINGENCY39,000.00TOTAL\$449,946.59

\*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 NUMBER (IDENTIFY ALL SOURCES): FUNDING SOURCE (CHECK ALL THAT APPLY)

<u>HIID-121-A035-6211</u> FEDERAL/DAVIS BACON

SUPPLEMENTAL AGREEMENT TO BE APPROVED BY:

ANTICIPATED DATE OF APPROVAL: DATE: 5/7/08 BAS APPROVED BY:

ENCUMBRANCE NUMBER:

m Sumin 3/11/08

MAR-05-2008 08:23

561 233 2052

97%

P.02