

3H-2

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

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Meeting Date: November 16, 2010	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
	<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing

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Department: Facilities Development & Operations

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I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: JOC Work Order No. 10-196 with H.A. Contracting Corp. (R2010-0804) in the amount of \$448,369.90 to provide for the removal and replacement of the existing Heating, Ventilation Air Conditioning (HVAC) system at the Water Utilities Department's Southern Region Water Reclamation Facility (SRWRF).

**Summary:** The work consists of removal of the existing condenser located on the roof, replacement of the existing multi-zone air handler unit, the installation of a new air cooled chiller and concrete enclosure, all associated piping, ancillary systems, and the installation of a new automated HVAC control system. The Small Business Enterprise (SBE) participation in this work order is 22.45%. When the participation for this work order is added to H.A. Contracting's total participation-to-date, the resulting values are 43.3%. The SBE goals are 15%. The total construction duration is 180 days. All funding for this project is from Water Utilities Department User Fees account. H.A. Contracting Corp. is a Palm Beach County Company. (FD&O Admin) Countywide/District (JM)

**Background and Justification:** The air conditioning equipment in this building is currently more than 20 years old and is past its useful life. Additionally, the equipment has become increasingly expensive to maintain as parts are no longer readily available. The new equipment will increase efficiency, ease of maintenance, and reduce energy consumption. These activities are scheduled, budgeted maintenance replacement items.

**Attachments:**

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

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**Recommended by:**

  
Department Director

10/19/10  
Date

**Approved by:**

  
County Administrator

11/1/10  
Date

## II. FISCAL IMPACT ANALYSIS

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

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	\$448,369.90	\$0	\$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	\$448,369.90	\$0	\$0	\$0	\$0
# Additional FTE Positions (Cumulative)	0	0	0	0	0

Is Item Included in Current Budget: Yes xx No       

Budget Account No: 4011-721-W006-6545

Reporting Category                     

### B. Recommended Sources of Funds/Summary of Fiscal Impact:

### C. Departmental Fiscal Review:

## III. REVIEW COMMENTS

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

                      
OFMB

                      
Contract Development & Control

### A. Legal Sufficiency:

                      
Assistant County Attorney

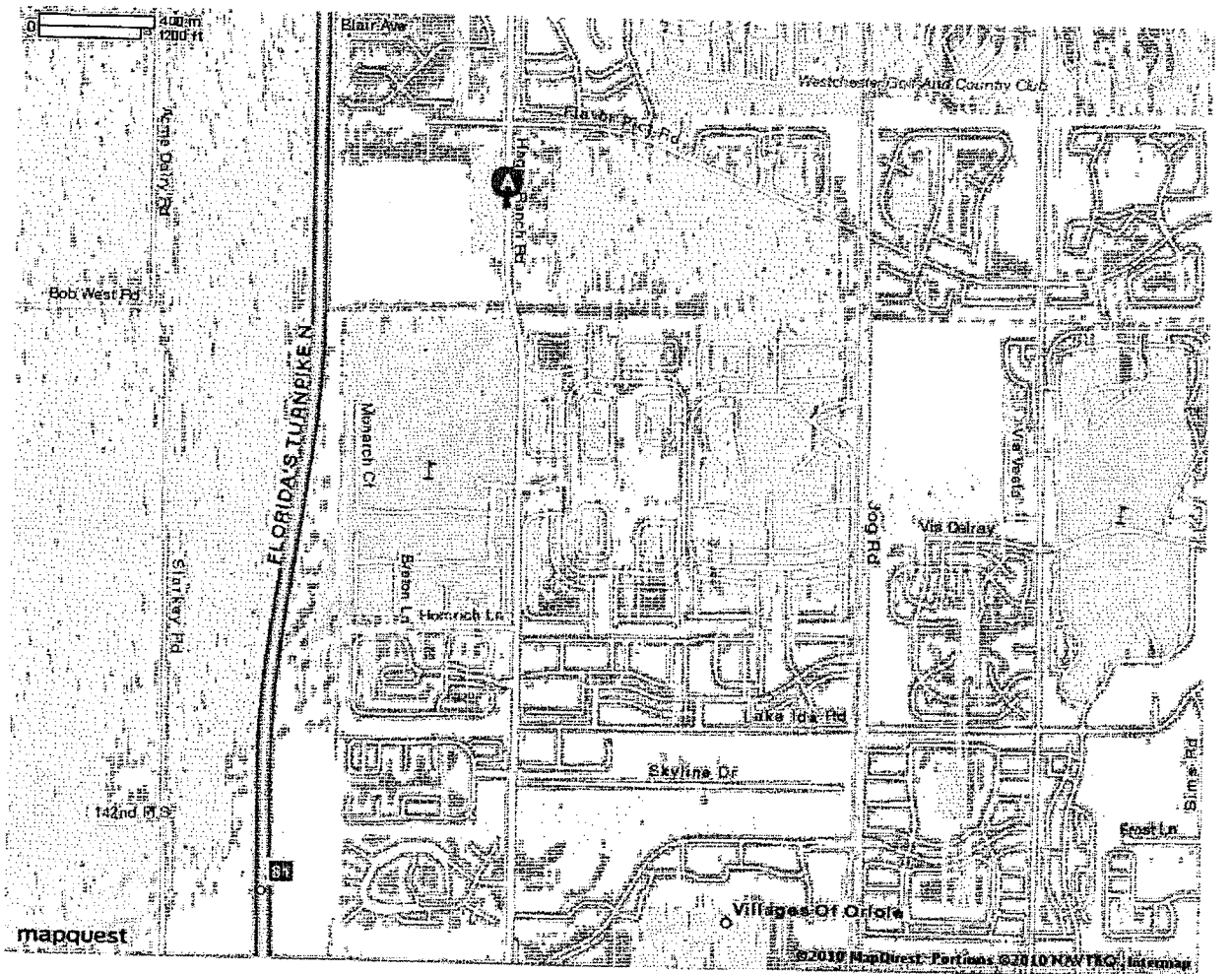
**This item complies with current  
County policies.**


### A. Other Department Review:

                      
Department Director

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

Palm Beach County Water Utilities Department  
Southern Region Water Reclamation Facility (SRWRF)  
12751 Hagen Ranch Road  
Boynton Beach, Florida



September 23, 2010	<b>JOC WORK ORDER</b> <b>Job Order Construction Services</b>		
<b>JOC#: 10415</b>  <b>Loc #: 663</b>	<b>WUD SRWRF - Bldg A - HVAC engineering</b>  <b>Water Utilites Waste Treatment South Regional Plant Pre-treatment &amp; Admin</b> 12751 Hagan Ranch Road, BOYNTON BEACH		

**Brief Scope:** Install new 42 ton Chilled water system and multizone AHU

**Contractor:** HA Contracting Corp.  
9500 NW 12th Street  
Miami, FL 33172

**Contract:** R2010-0804 (0)

**AMOUNT:** \$ 448,369.90

District: 5

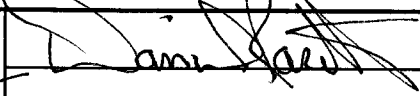

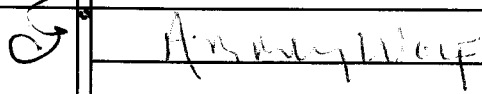
**Funding:** 4011-721-W006-6545


**JOC Work Order #:** 10-196

**KMA:** FDO-10JOC


**Project Duration:** 180 Days      Liquidated damages will apply

**Approval Signatures**

Daniel Racette, Project Coordinator		9-30-10
		Date
 Audrey Wolf, Director Facilities Development & Operations		10/19/10
		Date
Chair	(NOT REQUIRED FOR PROJECTS <\$100,000 OR >\$200,000)	
Contract Review Committee		Date
Approved as to form and legal sufficiency		Date
County Attorney		Date
Board of County Commissioners		Date

Xavier Sansaricq, Project Manager		9-30-10
HA Contracting Corp.		Date


COPY: Project File

September 23, 2010	<b>Contractors Price Proposal Summary - CSI</b> <b>Job Order Construction Services</b>	
JOC#: 10415 Loc #: 663	WUD SRWRF - Bldg A - HVAC engineering Water Utiliites Waste Treatment South Regional Plant Pre-treatment & Admin 12751 Hagan Ranch Road, BOYNTON BEACH	

**Contract Number:** R2010-0804 (0)  
**Contractor:** HA Contracting Corp.  
**Proposal Value:** \$ 448,369.90  
**Proposal Name:** WUD SRWRF - "A" Building - HVAC Replacement

<b>01 - General Requirements:</b>	<b>\$76,805.18</b>
<b>02 - Site Work:</b>	<b>\$1,637.93</b>
<b>03 - Concrete:</b>	<b>\$19,512.40</b>
<b>04 - Masonry:</b>	<b>\$4,069.16</b>
<b>05 - Metals:</b>	<b>\$25,258.46</b>
<b>07 - Thermal &amp; Moisture Protection:</b>	<b>\$2,741.92</b>
<b>08 - Openings:</b>	<b>\$1,213.70</b>
<b>09 - Finishes:</b>	<b>\$14,508.93</b>
<b>22 - Plumbing:</b>	<b>\$5,748.66</b>
<b>23 - Heating, Ventilating, And Air-Conditioning (HVAC):</b>	<b>\$229,590.51</b>
<b>26 - Electrical:</b>	<b>\$50,997.08</b>
<b>27 - Communications:</b>	<b>\$1,566.40</b>
<b>28 - Electronic Safety And Security:</b>	<b>\$695.32</b>
<b>31 - Earthwork:</b>	<b>\$4,541.04</b>
<b>32 - Exterior Improvements:</b>	<b>\$3,329.96</b>
<b>40 - Process Integration:</b>	<b>\$6,153.25</b>
<b>Proposal Total</b>	<b>\$448,369.90</b>

This 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.

September 21, 2010	<b>Proposal Review - Category Detail</b> <b>Job Order Construction Services</b>	
JOC#: 10415	WUD SRWRF - Bldg A - HVAC engineering	
Loc #: 663	Water Utilities Waste Treatment South Regional Plant Pre-treatment & Admin 12751 Hagan Ranch Road, BOYNTON BEACH	

Contract Number: R2010-0804 (0)  
Contractor: HA Contracting Corp.  
Proposal Value: \$ 448,369.90  
Proposal Name: WUD SRWRF - "A" Building - HVAC Replacement  
Proposal Submitted: 09/21/2010

DR

Record CSI Number
Modifier
UOM
Description
Line Total

Category - No Category Input

1	01 22 16 00 0002	EA	Reimbursable Fees Reimbursable Fees will be paid to the contractor for the actual cost of all permits, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reimbursable Fee is \$100.00. The quantity used will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 1.25 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reimbursable Fees (e.g. sidewalk closure, road cut, building permit, builder's risk insurance, extended warrantee, etc.). A copy of each receipt shall be included with the Proposal.					\$9,698.96
			Quantity	Unit Price	Factor	Total		
		Installation	91.07	x 106.50	x 1.0000	=	\$9,698.96	
		Permit allowance						
2	01 22 20 00 0003	HR	Insulator Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.					\$14,793.31
			Quantity	Unit Price	Factor	Total		
		Installation	480.00	x 35.03	x 0.8798	=	\$14,793.31	
		switch over						
3	01 22 20 00 0003 0006		For Foreman, Add					\$338.72
			Quantity	Unit Price	Factor	Total		
		Installation	220.00	x 1.75	x 0.8798	=	\$338.72	
		switch over						
4	01 22 20 00 0010	HR	Electrician Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.					\$7,273.38
			Quantity	Unit Price	Factor	Total		
		Installation	226.00	x 36.58	x 0.8798	=	\$7,273.38	
		switch over & roof disconnect						
5	01 22 20 00 0010 0006		For Foreman, Add					\$207.69
			Quantity	Unit Price	Factor	Total		
		Installation	129.00	x 1.83	x 0.8798	=	\$207.69	
		switch over & roof disconnect						
6	01 22 20 00 0028	HR	Sheet Metal Worker Note: Tasks in the CTC include appropriate costs to cover labor. These tasks will be requested specifically by the owner for miscellaneous work not covered in the CTC.					\$15,819.51
			Quantity	Unit Price	Factor	Total		
		Installation	480.00	x 37.46	x 0.8798	=	\$15,819.51	
		switch over & roof disconnect						

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
7	01 22 20 00 0028	0006		For Foreman, Add	\$394.85
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>240.00</div> <div>x</div> <div>1.87</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$394.85
				switch over & roof disconnect	
8	01 22 20 00 0046	HR		Programming And Certification Of New Devices To Existing Panels	\$21,115.20
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>200.00</div> <div>x</div> <div>120.00</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$21,115.20
				Controls programming & interface	
9	01 22 23 00 0218	WK		1/2 To 5/8 CY, 65 HP, Loader-Backhoe, With Full-Time Operator	\$1,771.37
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>1.00</div> <div>x</div> <div>2,013.38</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$1,771.37
10	01 22 23 00 0469	DAY		100 To 110 Ton Lift Mechanical Crane, With Full-Time Operator	\$2,110.85
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>1.00</div> <div>x</div> <div>2,399.24</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$2,110.85
11	01 22 23 00 0731	EA		70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane	\$730.85
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>1.00</div> <div>x</div> <div>830.70</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$730.85
12	01 45 23 00 0012	EA		Proctor Compaction 6" Standard Mold	\$180.83
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>1.00</div> <div>x</div> <div>205.54</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$180.83
13	01 45 23 00 0013	EA		Density And Classification Test	\$115.73
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>2.00</div> <div>x</div> <div>65.77</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$115.73
14	01 45 23 00 0078	EA		Concrete Slump Test, ASTM C143	\$46.84
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>2.00</div> <div>x</div> <div>26.62</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$46.84
15	01 45 23 00 0078	EA		Concrete Slump Test, ASTM C143	\$46.84
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>2.00</div> <div>x</div> <div>26.62</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$46.84
16	01 51 13 00 0012	EA		Temporary 100 A Panelboard Complete With Up To 24 Branch Circuits, 120/208 V	\$755.61
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>1.00</div> <div>x</div> <div>858.84</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$755.61
17	01 55 26 00 0028	MON		Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	\$144.99
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>20.00</div> <div>x</div> <div>8.24</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$144.99
				used for removal of equip. crane	
18	01 56 33 00 0004	LF		Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center	\$195.32
				<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			Installation	<div> <div>200.00</div> <div>x</div> <div>1.11</div> <div>x</div> <div>0.8798</div> <div>=</div> </div>	\$195.32
				used for removal of equip crane	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
19	01 74 19 00 0011		EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$1,050.53
		Installation		<div> <div>Quantity</div> <div>3.00</div> <div>x</div> <div>Unit Price</div> <div>398.02</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$1,050.53</div> </div>	
20	01 74 19 00 0022		CYM	Hauling On Paved Roads, First 15 Miles	\$13.80
		Installation		<div> <div>Quantity</div> <div>28.00</div> <div>x</div> <div>Unit Price</div> <div>0.56</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$13.80</div> </div>	
21	02 41 19 13 0082		LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" (10 cm) Depth	\$59.54
		Installation		<div> <div>Quantity</div> <div>12.00</div> <div>x</div> <div>Unit Price</div> <div>5.64</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$59.54</div> </div>	
22	02 41 19 13 0082 0065			For Each Additional Pass (Depth To 3"), Add	\$91.64
		Installation		<div> <div>Quantity</div> <div>48.00</div> <div>x</div> <div>Unit Price</div> <div>2.17</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$91.64</div> </div>	
23	02 41 19 13 0089		EA	Saw Cut Minimum Charge Note: For projects where the total saw cutting charge is less than the minimum charge. Use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$298.53
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>339.32</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$298.53</div> </div>	
24	02 41 19 13 0113		EA	Drill 2" (50 mm) Diameter Core In 8" (20 cm) Concrete	\$220.29
		Installation		<div> <div>Quantity</div> <div>7.00</div> <div>x</div> <div>Unit Price</div> <div>35.77</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$220.29</div> </div>	
25	02 41 19 13 0114		EA	Drill 3" (76 mm) Diameter Core In 8" (20 cm) Concrete	\$230.84
		Installation		<div> <div>Quantity</div> <div>6.00</div> <div>x</div> <div>Unit Price</div> <div>43.73</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$230.84</div> </div>	
26	02 41 19 13 0255		EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	\$298.53
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>339.32</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$298.53</div> </div>	
27	02 41 19 13 0272		SF	8" Thick Concrete Wall Cutouts	\$438.56
		Installation		<div> <div>Quantity</div> <div>24.00</div> <div>x</div> <div>Unit Price</div> <div>20.77</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$438.56</div> </div>	
28	03 01 30 71 0010		SF	Patch Floors, 1/8" To 1/4", Epoxy Cementitious Patching Mortar	\$800.62
		Installation		<div> <div>Quantity</div> <div>100.00</div> <div>x</div> <div>Unit Price</div> <div>9.10</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$800.62</div> </div>	
29	03 11 13 00 0003		SF	Continuous Footings Foundation Wood Formwork	\$384.07
		Installation		<div> <div>Quantity</div> <div>146.00</div> <div>x</div> <div>Unit Price</div> <div>2.99</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$384.07</div> </div>	
30	03 11 13 00 0003		SF	Continuous Footings Foundation Wood Formwork	\$268.32
		Installation		<div> <div>Quantity</div> <div>102.00</div> <div>x</div> <div>Unit Price</div> <div>2.99</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$268.32</div> </div>	
31	03 15 16 00 0012		LF	1/2" x 4" Premolded Felt Asphalt Expansion Joint, In Slabs Or Walls	\$94.31
		Installation		<div> <div>Quantity</div> <div>80.00</div> <div>x</div> <div>Unit Price</div> <div>1.34</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$94.31</div> </div>	



Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
32	03 21 13 00 0003		TON	Grade 40 Reinforcing Steel, Footings And Slabs, #7-Up	\$1,339.57
			Installation	<div> <div>Quantity</div> <div>1.10</div> <div>x</div> <div>Unit Price</div> <div>1,384.17</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$1,339.57</div> </div>	
33	03 21 13 00 0032		EA	Epoxy Coated Straight Dowels, 5/8" x 24" Long, #5 Rebar	\$64.79
			Installation	<div> <div>Quantity</div> <div>28.00</div> <div>x</div> <div>Unit Price</div> <div>2.63</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$64.79</div> </div>	
34	03 22 13 00 0002		SF	6 x 6 x #10, 21#/CSF, Welded Wire Reinforcement In Slabs, (W 1.4 x W 1.4)	\$89.74
			Installation	<div> <div>Quantity</div> <div>300.00</div> <div>x</div> <div>Unit Price</div> <div>0.34</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$89.74</div> </div>	
35	03 31 13 00 0008		CY	Pour Continuous Footings, Crane And Bucket, 3000 PSI Concrete	\$7,134.09
			Installation	<div> <div>Quantity</div> <div>66.00</div> <div>x</div> <div>Unit Price</div> <div>122.86</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$7,134.09</div> </div>	
36	03 31 13 00 0008 0044			For High Early Strength, Type 3 ASTM C150, Add	\$502.28
			Installation	<div> <div>Quantity</div> <div>66.00</div> <div>x</div> <div>Unit Price</div> <div>8.65</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$502.28</div> </div>	
37	03 31 13 00 0022		CY	Pour Grade Beam, Regular, Concrete Pump, 3000 PSI Concrete	\$807.52
			Installation	<div> <div>Quantity</div> <div>8.00</div> <div>x</div> <div>Unit Price</div> <div>114.73</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$807.52</div> </div>	
38	03 31 13 00 0022 0044			For High Early Strength, Type 3 ASTM C150, Add	\$66.02
			Installation	<div> <div>Quantity</div> <div>8.00</div> <div>x</div> <div>Unit Price</div> <div>9.38</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$66.02</div> </div>	
39	03 31 13 00 0028		CY	Pour Slab On Grade, Up To 6", Concrete Pump, 3000 PSI Concrete	\$5,794.01
			Installation	<div> <div>Quantity</div> <div>56.00</div> <div>x</div> <div>Unit Price</div> <div>117.60</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$5,794.01</div> </div>	
40	03 31 13 00 0028 0044			For High Early Strength, Type 3 ASTM C150, Add	\$462.14
			Installation	<div> <div>Quantity</div> <div>56.00</div> <div>x</div> <div>Unit Price</div> <div>9.38</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$462.14</div> </div>	
41	03 31 13 00 0038		CF	Hand Mix And Place Concrete Note: For use where conventional equipment access is limited or when directed by the owner.	\$1,572.95
			Installation	<div> <div>Quantity</div> <div>145.00</div> <div>x</div> <div>Unit Price</div> <div>12.33</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$1,572.95</div> </div>	
				Int. equip pads & perimeter of louver	
42	03 35 16 00 0005		SF	Concrete Floor Finishes, Steel Trowel	\$131.97
			Installation	<div> <div>Quantity</div> <div>300.00</div> <div>x</div> <div>Unit Price</div> <div>0.50</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$131.97</div> </div>	
43	04 05 19 13 0006		CLF	Horizontal Truss Joint Reinforcing In 8" Wall, Use 6" Wide Truss For 8" Wall	\$556.21
			Installation	<div> <div>Quantity</div> <div>20.00</div> <div>x</div> <div>Unit Price</div> <div>31.61</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$556.21</div> </div>	
44	04 05 19 16 0036		EA	1" x 14 Gauge x 5-1/2" Dovetail Anchor	\$5.84
			Installation	<div> <div>Quantity</div> <div>8.00</div> <div>x</div> <div>Unit Price</div> <div>0.83</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$5.84</div> </div>	
45	04 05 26 00 0002		CSF	Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	\$1,479.17
			Installation	<div> <div>Quantity</div> <div>14.00</div> <div>x</div> <div>Unit Price</div> <div>120.09</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$1,479.17</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
46	04 22 23 13 0006	SF		8" x 16" x 8" (21 cm) Regular Back-up Concrete Masonry Unit (Sand Aggregate)	\$1,491.26
		Installation	300.00 x	Unit Price 5.65 x Factor 0.8798 =	Total \$1,491.26
47	04 22 23 13 0061	LF		8" x 16" x 8" (21 cm) Regular Weight Bond Beam Or Lintel Block (Block Only)	\$536.68
		Installation	100.00 x	Unit Price 6.10 x Factor 0.8798 =	Total \$536.68
48	05 05 23 00 0132	EA		5/8" Diameter x 10" Long Wedge Anchor Expansion Bolt	\$273.97
		Installation	20.00 x	Unit Price 15.57 x Factor 0.8798 =	Total \$273.97
49	05 05 23 00 0132 0043			For Stainless Steel, Add	\$501.31
		Installation	20.00 x	Unit Price 28.49 x Factor 0.8798 =	Total \$501.31
50	05 05 23 00 0213	EA		1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	\$412.19
		Installation	50.00 x	Unit Price 9.37 x Factor 0.8798 =	Total \$412.19
51	05 05 23 00 0235	EA		3/16" x 1-1/4" Tapcon Masonry Screw	\$329.05
		Installation	100.00 x	Unit Price 3.74 x Factor 0.8798 =	Total \$329.05
52	05 05 23 00 0270	EA		5/8" Diameter x 2" Long, A325 High Strength Structural Bolt	\$264.78
		Installation	48.00 x	Unit Price 6.27 x Factor 0.8798 =	Total \$264.78
53	05 05 23 00 0271	EA		5/8" Diameter x 4" Long, A325 High Strength Structural Bolt	\$330.66
		Installation	48.00 x	Unit Price 7.83 x Factor 0.8798 =	Total \$330.66
54	05 05 23 00 0312	LF		1/2" Diameter, 304 Stainless Steel Threaded Rod	\$351.57
		Installation	60.00 x	Unit Price 6.66 x Factor 0.8798 =	Total \$351.57
55	05 05 23 00 0348	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel	\$2,039.73
		Installation	120.00 x	Unit Price 19.32 x Factor 0.8798 =	Total \$2,039.73
56	05 05 23 00 0353	EA		1/4-20 Lock Nut With Spring For Unistrut Channel	\$285.94
		Installation	100.00 x	Unit Price 3.25 x Factor 0.8798 =	Total \$285.94
57	05 05 23 00 0356	EA		5/8-11 Lock Nut With Spring For Unistrut Channel	\$220.87
		Installation	48.00 x	Unit Price 5.23 x Factor 0.8798 =	Total \$220.86
58	05 05 23 00 0395	EA		1/2" Diameter, 304 Stainless Steel Hex Nut	\$109.10
		Installation	200.00 x	Unit Price 0.62 x Factor 0.8798 =	Total \$109.10
59	05 05 23 00 0395 0058			For 316 Stainless Steel, Add	\$19.36
		Installation	200.00 x	Unit Price 0.11 x Factor 0.8798 =	Total \$19.36

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
60	05 05 23 00 0428		EA	1/2" Inside Diameter, 304 Stainless Steel Flat Washer	\$79.18
		Installation		<div> <div>Quantity</div> <div>200.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.45</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$79.18</div> </div>	
61	05 05 23 00 0428 0059			For 316 Stainless Steel, Add	\$8.80
		Installation		<div> <div>Quantity</div> <div>200.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.05</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$8.80</div> </div>	
62	05 12 23 00 0139		LF	1/4" Horizontal Fillet Welds, Welded Up	\$6,058.30
		Installation		<div> <div>Quantity</div> <div>1,100.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>6.26</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$6,058.30</div> </div>	
63	05 12 23 00 0139 0008			For Stainless Steel Welding, Add	\$1,288.03
		Installation		<div> <div>Quantity</div> <div>800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.83</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,288.03</div> </div>	
64	05 12 23 00 0385		LF	2" x 2" x 1/4" Angle Iron	\$4,124.50
		Installation		<div> <div>Quantity</div> <div>800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.86</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$4,124.50</div> </div>	
65	05 12 23 00 0385 0039			For 316 Stainless Steel, Add	\$6,234.26
		Installation		<div> <div>Quantity</div> <div>600.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>11.81</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$6,234.26</div> </div>	
66	05 15 16 00 0011		LF	1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	\$263.94
		Installation		<div> <div>Quantity</div> <div>200.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.50</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$263.94</div> </div>	
				Chiller tie down	
67	05 15 16 00 0281		EA	3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle	\$685.26
		Installation		<div> <div>Quantity</div> <div>16.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>48.68</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$685.26</div> </div>	
				chiller tie down	
68	05 15 16 00 0305		EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Eye Bolt	\$535.90
		Installation		<div> <div>Quantity</div> <div>16.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>38.07</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$535.90</div> </div>	
				Chiller tie down	
69	05 41 00 00 0016		SF	4" Load Bearing Stud, 14 Gauge, 16" On Center, With Tracks And Runners	\$680.23
		Installation		<div> <div>Quantity</div> <div>204.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.79</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$680.23</div> </div>	
70	05 41 00 00 0016 0167			For Wall Application Where Height > 12', Add	\$161.53
		Installation		<div> <div>Quantity</div> <div>204.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.90</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$161.53</div> </div>	
71	07 84 13 00 0041		EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant	\$68.66
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>78.04</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$68.66</div> </div>	
72	07 84 13 00 0066		EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	\$252.68
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>287.20</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$252.68</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415

Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
73	07 84 43 00 0015		CLF	1" x 1" Joint, Intumescent Firestop Sealant	\$2,420.58
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1,375.64</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,420.58</div> </div>	
74	08 91 19 00 0003		SF	Fixed Ornamental Louver, >10 SF Including Frame, Painted Steel	\$1,213.70
			Installation	<div> <div>Quantity</div> <div>32.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>43.11</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,213.70</div> </div>	
			2 louvers		
75	09 01 20 00 0013		SF	Cut And Patch Hole To Match Existing, To 10 SF	\$2,828.91
			Installation	<div> <div>Quantity</div> <div>460.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>6.99</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,828.91</div> </div>	
76	09 23 13 00 0006		LF	Corner Bead, Vinyl	\$137.78
			Installation	<div> <div>Quantity</div> <div>108.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.45</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$137.78</div> </div>	
77	09 24 23 00 0002		SF	Three Coat Troweled Stucco, Scratch/Brown/Finish Note: Excludes lath and felt. Interior or exterior, one side.	\$4,060.28
			Installation	<div> <div>Quantity</div> <div>1,300.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.55</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$4,060.28</div> </div>	
78	09 28 13 00 0003		SF	1/2" Cementitious Backer Units For Installation On Floors	\$366.14
			Installation	<div> <div>Quantity</div> <div>204.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2.04</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$366.14</div> </div>	
79	09 91 13 00 0338		LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Paint	\$294.73
			Installation	<div> <div>Quantity</div> <div>500.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.67</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$294.73</div> </div>	
80	09 91 13 00 0340		LF	Paint Steel Pipes 6" To 8" Diameter, One Coat Paint	\$163.64
			Installation	<div> <div>Quantity</div> <div>200.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.93</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$163.64</div> </div>	
81	09 91 13 00 0343		LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, Two Coats	\$585.07
			Installation	<div> <div>Quantity</div> <div>500.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.33</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$585.07</div> </div>	
82	09 91 13 00 0345		LF	Paint Steel Pipes 6" To 8" Diameter, Two Coats	\$318.49
			Installation	<div> <div>Quantity</div> <div>200.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.81</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$318.49</div> </div>	
83	09 91 23 00 0058		SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Brush	\$554.27
			Installation	<div> <div>Quantity</div> <div>1,800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.35</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$554.27</div> </div>	
84	09 91 23 00 0060		SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Brush	\$1,061.04
			Installation	<div> <div>Quantity</div> <div>1,800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.67</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,061.04</div> </div>	
85	09 91 23 00 0082		SF	Paint Interior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	\$1,309.14
			Installation	<div> <div>Quantity</div> <div>4,800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.31</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,309.14</div> </div>	
86	09 91 23 00 0084		SF	Paint Interior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	\$2,829.44
			Installation	<div> <div>Quantity</div> <div>4,800.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.67</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,829.44</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
87	22 11 16 00 0185	LF		3/4" Inside Diameter (19 mm) Copper Pipe/Tubing Type L	\$371.72
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				130.00 x 3.25 x 0.8798 =	\$371.72
88	22 11 16 00 0186	LF		1" Inside Diameter (25 mm) Copper Pipe/Tubing Type L	\$1,113.83
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				300.00 x 4.22 x 0.8798 =	\$1,113.83
89	22 11 16 00 0210	EA		1" 90 Degree Elbow, Copper	\$461.24
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				25.00 x 20.97 x 0.8798 =	\$461.24
90	22 11 16 00 0243	EA		3/4" Copper Tee - Straight Sweat	\$43.85
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				2.00 x 24.92 x 0.8798 =	\$43.85
91	22 11 16 00 0270	EA		1" Straight Copper Coupling	\$137.88
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				8.00 x 19.59 x 0.8798 =	\$137.88
92	22 11 16 00 0298	EA		3/4" Copper Adapter, Male	\$40.78
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				3.00 x 15.45 x 0.8798 =	\$40.78
93	22 11 16 00 0298	EA		3/4" Copper Adapter, Male	\$40.78
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				3.00 x 15.45 x 0.8798 =	\$40.78
94	22 11 16 00 0299	EA		1" Copper Adapter, Male	\$440.25
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				24.00 x 20.85 x 0.8798 =	\$440.25
95	22 11 16 00 0308	EA		1" Copper Adapter, Female	\$190.65
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				10.00 x 21.67 x 0.8798 =	\$190.65
96	22 11 16 00 0308	EA		1" Copper Adapter, Female	\$228.78
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				12.00 x 21.67 x 0.8798 =	\$228.78
97	22 11 16 00 0317	EA		3/4" Copper Union, Straight, Copper To Copper	\$208.83
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				12.00 x 19.78 x 0.8798 =	\$208.83
98	22 11 16 00 0351	EA		Cut And Prepare 3/4" (19 mm) Pipe	\$155.59
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				45.00 x 3.93 x 0.8798 =	\$155.59
99	22 11 16 00 0352	EA		Cut And Prepare 1" (25 mm) Pipe	\$381.96
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				98.00 x 4.43 x 0.8798 =	\$381.96
100	22 11 19 00 0075	EA		1" Anti-Siphon Pressure Type Vacuum Breaker	\$86.88
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				1.00 x 98.75 x 0.8798 =	\$86.88

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
101	22 11 19 00 0225	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	\$300.84
				Quantity Unit Price Factor Total	
		Installation	1.00 x	341.94 x 0.8798 =	\$300.84
				Back Flow preventer	
102	22 11 19 00 0409	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	\$18.63
				Quantity Unit Price Factor Total	
		Installation	1.00 x	21.17 x 0.8798 =	\$18.63
103	22 12 23 13 0002	EA		80 Gallon Galvanized Steel Storage Tank	\$1,252.83
				Quantity Unit Price Factor Total	
		Installation	1.00 x	1,423.99 x 0.8798 =	\$1,252.83
				Exp. tank	
104	22 13 19 36 0002	EA		1-1/4", 1-1/2" And 2" ABS Or PVC Automatic Drain Vent, Mini Vent	\$273.34
				Quantity Unit Price Factor Total	
		Installation	4.00 x	77.67 x 0.8798 =	\$273.34
105	23 01 20 00 0073	LF		Disinfection/Flush/Testing, 2-1/2" To 3" Diameter Pipe	\$377.43
				Quantity Unit Price Factor Total	
		Installation	300.00 x	1.43 x 0.8798 =	\$377.43
106	23 01 20 00 0075	LF		Disinfection/Flush/Testing, 6" Diameter Pipe	\$156.43
				Quantity Unit Price Factor Total	
		Installation	70.00 x	2.54 x 0.8798 =	\$156.43
107	23 05 19 00 0022	EA		Thermowell, 8" Long, 1" NPT, 304 Stainless Steel	\$327.14
				Quantity Unit Price Factor Total	
		Installation	4.00 x	92.96 x 0.8798 =	\$327.14
108	23 05 19 00 0026	EA		4" Diameter Dial Pressure Gauge Steel Case 0-60 PSI Or 0-100 PSI	\$175.12
				Quantity Unit Price Factor Total	
		Installation	5.00 x	39.81 x 0.8798 =	\$175.12
109	23 05 19 00 0041	EA		Brass Gauge Cock, 1/4" Male Pipe Thread	\$45.44
				Quantity Unit Price Factor Total	
		Installation	5.00 x	10.33 x 0.8798 =	\$45.44
110	23 05 19 00 0042	EA		Pigtail, Steam Siphon 1/4"	\$49.88
				Quantity Unit Price Factor Total	
		Installation	5.00 x	11.34 x 0.8798 =	\$49.88
111	23 05 19 00 0045	EA		Thread-O-Let, 1/4" Steel	\$851.36
				Quantity Unit Price Factor Total	
		Installation	28.00 x	34.56 x 0.8798 =	\$851.36
112	23 05 19 00 0050	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) For Balancing Hydronic Systems	\$256.34
				Quantity Unit Price Factor Total	
		Installation	8.00 x	36.42 x 0.8798 =	\$256.34
113	23 05 19 00 0054	EA		Ball Valve, 1/4" Forged Steel, Threaded, 800#	\$716.76
				Quantity Unit Price Factor Total	
		Installation	18.00 x	45.26 x 0.8798 =	\$716.76
114	23 05 19 00 0083	EA		2 1/2" Venturi Flowmeter, Threaded, Brass	\$968.48
				Quantity Unit Price Factor Total	
		Installation	4.00 x	275.20 x 0.8798 =	\$968.48

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
115	23 05 23 00 0073		EA	3/4" Ball Valve, Brass Body, Threaded Or Sweated, 125#, Regular Port	\$222.94
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				10.00 x 25.34 x 0.8798 =	\$222.94
116	23 05 23 00 0074		EA	1" Ball Valve, Brass Body, Threaded Or Sweated, 125#, Regular Port	\$112.65
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				4.00 x 32.01 x 0.8798 =	\$112.65
117	23 05 29 00 0009		EA	6" Steel Clevis Hanger Type 1	\$610.93
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				40.00 x 17.36 x 0.8798 =	\$610.93
118	23 05 29 00 0009 0505			For Work In Restricted Working Space, Add	\$176.84
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				50.00 x 4.02 x 0.8798 =	\$176.84
119	23 05 29 00 0010		EA	8" Steel Clevis Hanger Type 1	\$162.80
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				8.00 x 23.13 x 0.8798 =	\$162.80
120	23 05 29 00 0010 0505			For Work In Restricted Working Space, Add	\$106.21
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				24.00 x 5.03 x 0.8798 =	\$106.21
121	23 05 29 00 0129		EA	Up to 24" High Adjustable Pipe Stand With Saddle For 6" Pipe	\$1,597.44
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				8.00 x 226.96 x 0.8798 =	\$1,597.44
122	23 05 29 00 0246		EA	1/2" - 13, Carbon Steel Hex Nut	\$59.83
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				200.00 x 0.34 x 0.8798 =	\$59.83
123	23 05 29 00 0246 0095			For Galvanized, Add	\$5.28
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				200.00 x 0.03 x 0.8798 =	\$5.28
124	23 05 29 00 0246 0505			For Work In Restricted Working Space, Add	\$12.32
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				200.00 x 0.07 x 0.8798 =	\$12.32
125	23 05 29 00 0246		EA	1/2" - 13, Carbon Steel Hex Nut	\$29.91
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				100.00 x 0.34 x 0.8798 =	\$29.91
126	23 05 29 00 0246 0095			For Galvanized, Add	\$2.64
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				100.00 x 0.03 x 0.8798 =	\$2.64
127	23 05 29 00 0395		EA	6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)	\$380.50
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				24.00 x 18.02 x 0.8798 =	\$380.50
128	23 05 29 00 0467		EA	6" Hanger Assembly For Pipe Includes Hanger, Rod, Saddle And Clamp	\$3,943.76
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				68.00 x 65.92 x 0.8798 =	\$3,943.76
129	23 05 48 00 0040		EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	\$66.16
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
				16.00 x 4.70 x 0.8798 =	\$66.16

Proposal Review - Category Detail Continues...

Job Order Number: 10415

Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
130	23 05 48 00 0051		EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	\$311.70
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>177.14</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$311.70</div> </div>	
131	23 05 48 00 0135		EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	\$456.09
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>259.20</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$456.09</div> </div>	
132	23 05 53 00 0022		EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	\$132.23
		Installation		<div> <div>Quantity</div> <div>30.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.01</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$132.23</div> </div>	
133	23 05 53 00 0023		EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	\$73.06
		Installation		<div> <div>Quantity</div> <div>16.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.19</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$73.06</div> </div>	
134	23 05 53 00 0024		EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	\$58.59
		Installation		<div> <div>Quantity</div> <div>12.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.55</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$58.59</div> </div>	
135	23 05 53 00 0026		EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	\$64.82
		Installation		<div> <div>Quantity</div> <div>12.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>6.14</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$64.82</div> </div>	
136	23 05 53 00 0027		EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	\$98.98
		Installation		<div> <div>Quantity</div> <div>18.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>6.25</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$98.98</div> </div>	
137	23 05 53 00 0041		EA	1-1/2" Diameter Identification Tag, Plastic	\$242.30
		Installation		<div> <div>Quantity</div> <div>60.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>4.59</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$242.30</div> </div>	
138	23 05 93 00 0004		EA	Balancing In-Line Fan	\$452.68
		Installation		<div> <div>Quantity</div> <div>3.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>171.51</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$452.68</div> </div>	
139	23 05 93 00 0010		EA	Balancing Central A/C Station	\$472.51
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>268.53</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$472.51</div> </div>	
140	23 05 93 00 0020		EA	Balancing HVAC Duct System, Ceiling Height > 12' Supply, Return, Exhaust, Register And Diffuser	\$41.91
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>47.64</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$41.91</div> </div>	
141	23 05 93 00 0021		EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	\$2,965.00
		Installation		<div> <div>Quantity</div> <div>136.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>24.78</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,965.00</div> </div>	
142	23 05 93 00 0022		EA	Balance Variable Air Volume Box	\$23.61
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>26.84</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$23.61</div> </div>	



Proposal Review - Category Detail Continues...

Job Order Number: 10415

Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
143	23 05 93 00 0029		EA	Balance Dampers	\$71.90
			Installation	Quantity 12.00 x Unit Price 6.81 x Factor 0.8798 = Total \$71.90	
144	23 05 93 00 0043		EA	Water Balancing, Cocks And Valves	\$693.86
			Installation	Quantity 47.00 x Unit Price 16.78 x Factor 0.8798 = Total \$693.86	
145	23 05 93 00 0083		EA	Hydrostatic Test, 0-100 LF Of 2" - 4" Diameter Pipe	\$560.66
			Installation	Quantity 2.00 x Unit Price 318.63 x Factor 0.8798 = Total \$560.66	
146	23 05 93 00 0088		EA	Hydrostatic Test, 0-100 LF Of 6" - 10" Diameter Pipe	\$730.69
			Installation	Quantity 2.00 x Unit Price 415.26 x Factor 0.8798 = Total \$730.69	
147	23 07 13 00 0013		SF	2" Thick Fibrous Glass Blanket With Reinforced Foil, 1.5# Density	\$11,782.28
			Installation	Quantity 4,800.00 x Unit Price 2.79 x Factor 0.8798 = Total \$11,782.28	
148	23 07 19 00 0036		LF	2-1/2" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	\$12,468.17
			Installation	Quantity 1,420.00 x Unit Price 8.38 x Factor 0.8798 = \$10,469.27	
			Demolition	Quantity 1,420.00 x Unit Price 1.60 x Factor 0.8798 = \$1,998.91	
149	23 07 19 00 0036	0165		For Calcium Silicate With Canvas Jacket, Add	\$1,486.69
			Installation	Quantity 1,420.00 x Unit Price 1.19 x Factor 0.8798 = Total \$1,486.69	
150	23 07 19 00 0141		SF	0.016" Aluminum Insulation Jacket With Bands	\$6,142.68
			Installation	Quantity 1,258.00 x Unit Price 5.55 x Factor 0.8798 = Total \$6,142.68	
151	23 09 23 00 0018		PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	\$399.08
			Installation	Quantity 28.00 x Unit Price 16.20 x Factor 0.8798 = Total \$399.08	
152	23 09 23 00 0127		EA	Easy Pack Large Building Network Area Java Controller Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB Ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port (supports 126 devices). As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle. Honeywell WEB-545-EZ.	\$5,986.18
			Installation	Quantity 1.00 x Unit Price 6,369.63 x Factor 0.9398 = Total \$5,986.18	
153	23 09 23 00 0165		EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller Note: For constant volume single zone and heat pump AHUs. Honeywell W7750B2011.	\$291.56
			Installation	Quantity 1.00 x Unit Price 331.39 x Factor 0.8798 = Total \$291.56	
154	23 09 23 00 0172		EA	Fan Coil Unit Controller With Electric Reheat Relay Note: Honeywell W7752F2002.	\$627.37
			Installation	Quantity 2.00 x Unit Price 356.54 x Factor 0.8798 = Total \$627.37	

Proposal Review - Category Detail Continues...

Job Order Number: 10415

Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
155	23 09 23 00 0175	EA		Building Manager, Monitor And Control HVAC Equipment Note: Honeywell W7760A2011.	\$3,288.96
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     5.00 x 747.66 x 0.8798 = \$3,288.96                 </div>	
156	23 09 23 00 0287	EA		Duct Mounted CO2 Sensor Note: Honeywell C7232B1014.	\$3,055.58
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     8.00 x 434.13 x 0.8798 = \$3,055.58                 </div>	
157	23 09 23 00 0316	EA		175 IN-LB, 24 VAC, 4-20mA, 0-10 VDC Or Floating Control, Spring Return Direct Coupled Damper Actuator. Honeywell MS7520A2205.	\$351.18
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     1.00 x 399.16 x 0.8798 = \$351.18                 </div>	
158	23 09 23 00 0323	EA		Pneumatic Spring Return Damper Actuator Without Positive Positioner. Note: Honeywell MP909E1018.	\$2,634.72
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     13.00 x 230.36 x 0.8798 = \$2,634.72                 </div>	
159	23 09 23 00 0436	EA		Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat. Note: Honeywell TH8321.	\$1,140.62
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     5.00 x 259.29 x 0.8798 = \$1,140.62                 </div>	
160	23 21 13 23 0229	LF		2-1/2" (60 mm) Black Pipe, Plain End Schedule 40 ASTM A-53	\$3,016.83
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     300.00 x 11.43 x 0.8798 = \$3,016.83                 </div>	
161	23 21 13 23 0232	LF		6" (15 cm) Black Pipe, Plain End Schedule 40 ASTM A-53	\$1,959.67
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     70.00 x 31.82 x 0.8798 = \$1,959.67                 </div>	
162	23 21 13 23 0247	EA		2-1/2" (61 mm) 90 Degree Weld Elbow, Standard Weight	\$3,129.27
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     40.00 x 88.92 x 0.8798 = \$3,129.27                 </div>	
163	23 21 13 23 0294	EA		2-1/2" (60 mm) Tee, Full, Butt Weld, Standard Weight	\$427.29
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     3.00 x 161.89 x 0.8798 = \$427.29                 </div>	
164	23 21 13 23 0323	EA		3" x 2" Reducer, Eccentric, Butt Weld, Standard Weight	\$760.57
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     8.00 x 108.06 x 0.8798 = \$760.57                 </div>	
165	23 21 13 23 0327	EA		6" x 3" Reducer, Eccentric, Butt Weld, Standard Weight	\$1,265.96
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     4.00 x 359.73 x 0.8798 = \$1,265.96                 </div>	
166	23 21 13 23 0344	EA		2-1/2" (60 mm) Cap, Welded, Standard Weight	\$71.86
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     2.00 x 40.84 x 0.8798 = \$71.86                 </div>	
167	23 21 13 23 0356	EA		2-1/2" (60 mm) Weld Neck Flange, 150#	\$341.61
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     4.00 x 97.07 x 0.8798 = \$341.61                 </div>	
168	23 21 13 23 0370	EA		2-1/2" (60 mm) Slip-On Flange, 150#	\$1,675.39
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     28.00 x 68.01 x 0.8798 = \$1,675.39                 </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record CSI Number		Modifier	UOM	Description				Line Total	
Category - No Category Input									
169	23 21 13 23 0397	EA		1/2" (12 mm) Thread-O-Let, 300# Forge Steel				\$251.48	
		Installation		Quantity	Unit Price	Factor		Total	
				8.00	x 35.73	x 0.8798	=	\$251.48	
170	23 21 13 23 0398	EA		3/4" (19 mm) Thread-O-Let, 300# Forge Steel				\$299.48	
		Installation		Quantity	Unit Price	Factor		Total	
				8.00	x 42.55	x 0.8798	=	\$299.48	
171	23 21 13 23 0449	EA		Cut And Prepare For Welding 2-1/2" (60 mm) Black Steel Pipe				\$1,657.33	
		Installation		Quantity	Unit Price	Factor		Total	
				167.00	x 11.28	x 0.8798	=	\$1,657.33	
172	23 21 13 23 0452	EA		Cut And Prepare For Welding 6" (15 cm) Black Steel Pipe				\$204.96	
		Installation		Quantity	Unit Price	Factor		Total	
				16.00	x 14.56	x 0.8798	=	\$204.96	
173	23 21 13 23 0540	EA		3" x 2-1/2" (76 mm x 60 mm) Reducer, Concentric, Flanged Steel, Standard Weight				\$1,944.06	
		Installation		Quantity	Unit Price	Factor		Total	
				2.00	x 1,104.83	x 0.8798	=	\$1,944.06	
174	23 21 13 23 0657	EA		6" Adapted Nipple, Plain End Fitting				\$200.96	
		Installation		Quantity	Unit Price	Factor		Total	
				2.00	x 114.21	x 0.8798	=	\$200.96	
175	23 21 16 00 0072	EA		4" x 3" Flanged Cast Iron Suction Diffuser				\$2,186.83	
		Installation		Quantity	Unit Price	Factor		Total	
				4.00	x 621.40	x 0.8798	=	\$2,186.83	
176	23 21 23 16 0017	EA		50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP				\$6,050.72	
		Installation		Quantity	Unit Price	Factor		Total	
				2.00	x 3,438.69	x 0.8798	=	\$6,050.72	
177	23 25 13 00 0018	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300# ASME Code				\$1,123.28	
		Installation		Quantity	Unit Price	Factor		Total	
				1.00	x 1,276.74	x 0.8798	=	\$1,123.28	
178	23 31 13 13 0005	LB		Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install				\$41,816.89	
		Installation		Quantity	Unit Price	Factor		Total	
				7,000.00	x 5.51	x 0.8798	=	\$33,933.89	
		Demolition		7,000.00	x 1.28	x 0.8798	=	\$7,883.01	
179	23 31 13 13 0005 0406			For Quantities > 2000 Lb. To 5000 Lb. (> 907 kg to 2268 kg), Add				\$1,293.31	
		Installation		Quantity	Unit Price	Factor		Total	
				7,000.00	x 0.21	x 0.8798	=	\$1,293.31	
180	23 33 13 16 0012	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated				\$52.84	
		Installation		Quantity	Unit Price	Factor		Total	
				1.00	x 60.06	x 0.8798	=	\$52.84	
181	23 33 13 16 0015	EA		18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated				\$124.35	
		Installation		Quantity	Unit Price	Factor		Total	
				2.00	x 70.67	x 0.8798	=	\$124.35	

Proposal Review - Category Detail Continues...

Job Order Number: 10415

Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
182	23 33 13 16 0016		EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	\$302.02
		Installation		<div> <div>Quantity</div> <div>4.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>85.82</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$302.02</div> </div>	
183	23 33 13 16 0017		EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	\$87.94
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>99.95</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$87.94</div> </div>	
184	23 33 13 16 0018		EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	\$111.49
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>126.72</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$111.49</div> </div>	
185	23 33 13 16 0019		EA	32" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	\$157.41
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>178.91</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$157.41</div> </div>	
186	23 33 13 16 0020		EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	\$470.43
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>267.35</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$470.43</div> </div>	
187	23 64 23 00 0020		EA	50 Ton Water Cooled Scroll Compressor Chiller, Electric, With Integral Heat Exchanger	\$49,144.63
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>55,858.86</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$49,144.63</div> </div>	
				42 Ton York Chiller	
188	23 73 13 00 0071		EA	13500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	\$15,195.62
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>17,271.67</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$15,195.62</div> </div>	
189	23 73 13 00 0071 0354		EA	For Economizer, Including Panel, Controls And Damper(s), Add	\$1,790.45
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2,035.07</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,790.45</div> </div>	
190	23 73 13 00 0071 0361			For Combination Filter Mixing Box And Throwaway Filters, Add	\$3,379.85
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3,841.61</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$3,379.85</div> </div>	
191	23 73 13 00 0071 0368			For Chilled Water Cooling Coil, Copper Fins, Add	\$7,100.43
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>8,070.51</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$7,100.43</div> </div>	
192	23 73 13 00 0071 0382			For 2 Coils, Independent Circuits, Add	\$1,767.60
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2,009.09</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,767.60</div> </div>	
193	23 73 13 00 0071 0383			For Coil Coating For Each Coil, Add	\$1,860.28
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1,057.22</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,860.28</div> </div>	
194	23 73 13 00 0099		EA	3000 CFM Return Air Fan	\$2,277.49
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2,588.64</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,277.49</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total			
Category - No Category Input								
195	23 74 13 00 0053	EA		50 Ton Gas Cooling, 1000 MBH Gas Heating Self Contained Package Rooftop Unit	\$843.38			
				Quantity	Unit Price	Factor	Total	
		Installation	0.00	x	61,187.07	x	0.8798 =	\$0.00
		Demolition	1.00	x	958.60	x	0.8798 =	\$843.38
196	23 82 16 00 0198	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	\$2,264.08			
				Quantity	Unit Price	Factor	Total	
		Installation	4.00	x	643.35	x	0.8798 =	\$2,264.08
197	23 82 16 00 0200	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	\$1,615.14			
				Quantity	Unit Price	Factor	Total	
		Installation	2.00	x	917.90	x	0.8798 =	\$1,615.14
198	23 82 16 00 0203	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	\$1,669.83			
				Quantity	Unit Price	Factor	Total	
		Installation	2.00	x	948.98	x	0.8798 =	\$1,669.83
199	23 82 16 00 0205	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	\$1,177.25			
				Quantity	Unit Price	Factor	Total	
		Installation	1.00	x	1,338.09	x	0.8798 =	\$1,177.25
200	26 01 20 00 0003	EA		Lock Out/Tag Out Breaker Or Motor Starter	\$291.81			
				Quantity	Unit Price	Factor	Total	
		Installation	24.00	x	13.82	x	0.8798 =	\$291.81
201	26 05 19 00 0066	MLF		#12 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit	\$1,593.59			
				Quantity	Unit Price	Factor	Total	
		Installation	3.00	x	603.77	x	0.8798 =	\$1,593.59
202	26 05 19 00 0067	MLF		#10 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit	\$587.57			
				Quantity	Unit Price	Factor	Total	
		Installation	0.85	x	785.70	x	0.8798 =	\$587.57
203	26 05 19 00 0068	MLF		#8 AWG Cable - XLP (XHHW), 600 V, Single Stranded, Placed In Conduit	\$410.39			
				Quantity	Unit Price	Factor	Total	
		Installation	0.50	x	932.92	x	0.8798 =	\$410.39
204	26 05 19 00 0298	MLF		#1/0 AWG Cable - XLPE-USE-RHH-RHW 600 V Copper, Single Stranded, Placed In Conduit	\$4,638.73			
				Quantity	Unit Price	Factor	Total	
		Installation	1.40	x	3,766.06	x	0.8798 =	\$4,638.73
205	26 05 19 00 0369	MLF		500 MCM Cable - Type THHN-THWN, 600 V Aluminum, Single Stranded, Placed In Conduit	\$535.55			
				Quantity	Unit Price	Factor	Total	
		Installation	0.35	x	1,739.21	x	0.8798 =	\$535.55
206	26 05 19 00 0818	MLF		4/c #18 300 V Thermostat Cable, Low Volt Cable For HVAC System Controls	\$2,352.47			
				Quantity	Unit Price	Factor	Total	
		Installation	3.00	x	891.29	x	0.8798 =	\$2,352.47
207	26 05 19 00 1235	EA		#16-14 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts	\$317.17			
				Quantity	Unit Price	Factor	Total	
		Installation	50.00	x	7.21	x	0.8798 =	\$317.17

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
208	26 05 19 00 1236	EA		#12-10 AWG Compression Lugs, 1 Hole, Wrapped, Low Voltage, To 600 Volts	\$541.74
		Installation	Quantity	Unit Price	Factor
			75.00 x	8.21 x	0.8798 =
					Total \$541.74
209	26 05 26 00 0172	EA		Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, rebar or structural steel. Includes molds, materials and all necessary tools to make connections.	\$14.74
Excludes Labor		Installation	Quantity	Unit Price	Factor
			1.00 x	16.75 x	0.8798 =
					Total \$14.74
210	26 05 29 00 0007	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	\$432.33
		Installation	Quantity	Unit Price	Factor
			60.00 x	8.19 x	0.8798 =
					Total \$432.33
211	26 05 29 00 0044	EA		3/8-16 Lock Nut With Spring For Unistrut Channel	\$554.27
		Installation	Quantity	Unit Price	Factor
			200.00 x	3.15 x	0.8798 =
					Total \$554.27
212	26 05 29 00 0116	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	\$73.20
		Installation	Quantity	Unit Price	Factor
			40.00 x	2.08 x	0.8798 =
					Total \$73.20
213	26 05 29 00 0117	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	\$178.60
		Installation	Quantity	Unit Price	Factor
			100.00 x	2.03 x	0.8798 =
					Total \$178.60
214	26 05 29 00 0135	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	\$318.49
		Installation	Quantity	Unit Price	Factor
			200.00 x	1.81 x	0.8798 =
					Total \$318.49
215	26 05 29 00 0136	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	\$16.45
		Installation	Quantity	Unit Price	Factor
			10.00 x	1.87 x	0.8798 =
					Total \$16.45
216	26 05 29 00 0138	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	\$127.61
		Installation	Quantity	Unit Price	Factor
			56.00 x	2.59 x	0.8798 =
					Total \$127.61
217	26 05 29 00 0178	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	\$70.38
		Installation	Quantity	Unit Price	Factor
			100.00 x	0.80 x	0.8798 =
					Total \$70.38
218	26 05 29 00 0196	C		14-1/2" Length, 50# Tensile Strength, Nylon Cable Ties	\$75.98
		Installation	Quantity	Unit Price	Factor
			4.00 x	21.59 x	0.8798 =
					Total \$75.98
219	26 05 29 00 0218	EA		1/4" x 4" Toggle Bolt	\$468.76
		Installation	Quantity	Unit Price	Factor
			160.00 x	3.33 x	0.8798 =
					Total \$468.76
220	26 05 29 00 0223	EA		8-32 x 2" Machine Screw	\$151.33
		Installation	Quantity	Unit Price	Factor
			200.00 x	0.86 x	0.8798 =
					Total \$151.33
221	26 05 29 00 0254	LF		3/8" Diameter, Carbon Steel Threaded Rod	\$279.78
		Installation	Quantity	Unit Price	Factor
			200.00 x	1.59 x	0.8798 =
					Total \$279.78

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
222	26 05 29 00 0284	EA		3/8" Diameter, Carbon Steel Hex Nut	\$36.60
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     160.00 x 0.26 x 0.8798 = \$36.60                 </div>	
223	26 05 29 00 0329	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	\$3,649.41
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     200.00 x 20.74 x 0.8798 = \$3,649.41                 </div>	
224	26 05 29 00 0362	EA		1-1/2", Right Angle, PVC Coated Beam Clamp	\$79.67
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     2.00 x 45.28 x 0.8798 = \$79.67                 </div>	
225	26 05 33 00 1081	LF		3/4" RGS Conduit With Coupling, Mounted Exposed On Flat Wall	\$3,140.89
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     1,000.00 x 3.57 x 0.8798 = \$3,140.89                 </div>	
226	26 05 33 00 1082	LF		1" RGS Conduit With Coupling, Mounted Exposed On Flat Wall	\$25.13
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     6.00 x 4.76 x 0.8798 = \$25.13                 </div>	
227	26 05 33 00 1084	LF		1-1/2" RGS Conduit With Coupling, Mounted Exposed On Flat Wall	\$1,712.09
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     280.00 x 6.95 x 0.8798 = \$1,712.09                 </div>	
228	26 05 33 00 1094	EA		3/4" RGS 90 Degree Elbow	\$375.06
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     30.00 x 14.21 x 0.8798 = \$375.06                 </div>	
229	26 05 33 00 1095	EA		1" RGS 90 Degree Elbow	\$292.18
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     18.00 x 18.45 x 0.8798 = \$292.18                 </div>	
230	26 05 33 00 1097	EA		1-1/2" RGS 90 Degree Elbow	\$98.40
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     4.00 x 27.96 x 0.8798 = \$98.40                 </div>	
231	26 05 33 00 1108	EA		1" RGS Plastic Bushing Set With Locknuts	\$6.47
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     1.00 x 7.35 x 0.8798 = \$6.47                 </div>	
232	26 05 33 00 1110	EA		1-1/2" RGS Plastic Bushing Set With Locknuts	\$72.92
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     8.00 x 10.36 x 0.8798 = \$72.92                 </div>	
233	26 05 33 00 1134	EA		1" RGS Steel Insulated Grounding Bushing Set With Locknuts	\$12.68
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     1.00 x 14.41 x 0.8798 = \$12.68                 </div>	
234	26 05 33 00 1136	EA		1-1/2" RGS Steel Insulated Grounding Bushing Set With Locknuts	\$151.75
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     8.00 x 21.56 x 0.8798 = \$151.75                 </div>	
235	26 05 33 00 1146	EA		3/4" RGS Box Connector With Set Screw	\$268.27
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     42.00 x 7.26 x 0.8798 = \$268.27                 </div>	
236	26 05 33 00 1147	EA		1" RGS Box Connector With Set Screw	\$17.30
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div>                     2.00 x 9.83 x 0.8798 = \$17.30                 </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
237	26 05 33 00 1273	EA		3/4" RGS Coupling	\$250.74
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			100.00 x	2.85 x 0.8798 =	\$250.74
238	26 05 33 00 1274	EA		1" RGS Coupling	\$17.29
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			5.00 x	3.93 x 0.8798 =	\$17.29
239	26 05 33 00 1276	EA		1-1/2" RGS Coupling	\$156.18
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			28.00 x	6.34 x 0.8798 =	\$156.18
240	26 05 33 00 1328	LF		1" EMT Conduit, Mounted Exposed On Flat Wall	\$70.47
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			30.00 x	2.67 x 0.8798 =	\$70.47
241	26 05 33 00 1329	LF		1-1/4" EMT Conduit, Mounted Exposed On Flat Wall	\$85.52
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			30.00 x	3.24 x 0.8798 =	\$85.52
242	26 05 33 00 1434	EA		3/4" LB, LR, Or LL Fitting With Cover And Set Screw	\$50.89
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			4.00 x	14.46 x 0.8798 =	\$50.89
243	26 05 33 00 1434 0040			For Work In Restricted Working Space, Add	\$8.90
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			4.00 x	2.53 x 0.8798 =	\$8.90
244	26 05 33 00 1434 0041			For Installation Above 14' (4.3 m), Add	\$4.43
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			4.00 x	1.26 x 0.8798 =	\$4.43
245	26 05 33 00 1436	EA		1-1/4" LB, LR, Or LL Fitting With Cover And Set Screw	\$44.98
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			2.00 x	25.56 x 0.8798 =	\$44.98
246	26 05 33 00 1470	EA		3/4" IMC Bushing Set With Locknut, Mounted Exposed On Flat Wall	\$45.21
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			9.00 x	5.71 x 0.8798 =	\$45.21
247	26 05 33 00 1473	EA		1-1/2" IMC Bushing Set With Locknut, Mounted Exposed On Flat Wall	\$9.22
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			1.00 x	10.48 x 0.8798 =	\$9.22
248	26 05 33 00 1596	LF		3/4" PVC Schedule 40 Conduit With Coupling, Direct Burial, Glued Coupling	\$216.43
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			150.00 x	1.64 x 0.8798 =	\$216.43
249	26 05 33 00 1599	LF		1-1/2" PVC Schedule 40 Conduit With Coupling, Direct Burial, Glued Coupling	\$23.14
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			10.00 x	2.63 x 0.8798 =	\$23.14
250	26 05 33 00 1609	EA		3/4" PVC Schedule 40 Elbow 90 Degree Direct Burial, Glued Coupling	\$66.43
		Installation		<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div>	
			9.00 x	8.39 x 0.8798 =	\$66.43



Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
251	26 05 33 00 1610	EA		1" PVC Schedule 40 Elbow 90 Degree Direct Burial, Glued Coupling	\$17.97
		Installation		<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>10.21</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$17.97</div> </div>	
252	26 05 33 00 1622	EA		3/4" PVC Schedule 40 Adapter, Direct Burial, Glued Coupling	\$145.34
		Installation		<div> <div>Quantity</div> <div>28.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.90</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$145.34</div> </div>	
253	26 05 33 00 1625	EA		1-1/2" PVC Schedule 40 Adapter, Direct Burial, Glued Coupling	\$39.75
		Installation		<div> <div>Quantity</div> <div>6.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>7.53</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$39.75</div> </div>	
254	26 05 33 00 1637	EA		2-1/2" PVC Schedule 40 Bell End And Plug, Direct Burial, Glued Coupling	\$47.02
		Installation		<div> <div>Quantity</div> <div>4.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>13.36</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$47.02</div> </div>	
255	26 05 33 00 1637 0052			For Schedule 80, Add	\$8.73
		Installation		<div> <div>Quantity</div> <div>4.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2.48</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$8.73</div> </div>	
256	26 05 33 00 1982	LF		3/4" Flexible Metallic Conduit	\$69.06
		Installation		<div> <div>Quantity</div> <div>50.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.57</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$69.06</div> </div>	
257	26 05 33 00 1983	LF		1" Flexible Metallic Conduit	\$261.30
		Installation		<div> <div>Quantity</div> <div>150.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.98</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$261.30</div> </div>	
258	26 05 33 00 1984	LF		1-1/4" Flexible Metallic Conduit	\$11.98
		Installation		<div> <div>Quantity</div> <div>6.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2.27</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$11.98</div> </div>	
259	26 05 33 00 1985	LF		1-1/2" Flexible Metallic Conduit	\$15.84
		Installation		<div> <div>Quantity</div> <div>6.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.00</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$15.84</div> </div>	
260	26 05 33 00 1993	EA		1/2" Flexible Straight Connectors, Plain	\$74.70
		Installation		<div> <div>Quantity</div> <div>30.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2.83</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$74.70</div> </div>	
261	26 05 33 00 1994	EA		3/4" Flexible Straight Connectors, Plain	\$14.30
		Installation		<div> <div>Quantity</div> <div>5.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.25</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$14.30</div> </div>	
262	26 05 33 00 1995	EA		1" Flexible Straight Connectors, Plain	\$110.43
		Installation		<div> <div>Quantity</div> <div>24.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.23</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$110.43</div> </div>	
263	26 05 33 00 2017	EA		3/4" Flexible 90 Degree Connector, Plain	\$24.46
		Installation		<div> <div>Quantity</div> <div>5.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>5.56</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$24.46</div> </div>	
264	26 05 33 00 2018	EA		1" Flexible 90 Degree Connector, Plain	\$6.89
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>7.83</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$6.89</div> </div>	
265	26 05 33 00 2020	EA		1-1/2" Flexible 90 Degree Connector, Plain	\$16.94
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>19.26</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$16.94</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
266	26 05 33 00 2088		LF	3/4" Non-Metallic Liquid Tight Flex Conduit	\$13.46
			Installation	<div> <div>Quantity</div> <div>5.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.06</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$13.46</div> </div>	
267	26 05 33 00 2100		EA	2" Non-Metallic Straight Connector	\$83.62
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>47.52</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$83.62</div> </div>	
268	26 05 33 00 2100 0061			For Work In Restricted Working Space, Add	\$2.50
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.42</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2.50</div> </div>	
269	26 05 33 00 2108		EA	2" Non-Metallic 90 Degree Angle Connector	\$114.90
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>65.30</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$114.90</div> </div>	
270	26 05 33 00 2108 0061			For Work In Restricted Working Space, Add	\$3.20
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1.82</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$3.20</div> </div>	
271	26 05 33 00 2212		EA	4" Square Steel Box X 1-1/2" Deep With Cover	\$119.83
			Installation	<div> <div>Quantity</div> <div>12.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>11.35</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$119.83</div> </div>	
272	26 05 33 00 2213		EA	4" Square Steel Box X 2-1/8" Deep With Cover	\$134.40
			Installation	<div> <div>Quantity</div> <div>12.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>12.73</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$134.40</div> </div>	
273	26 05 33 00 2227		EA	4" Square Steel Blank Cover	\$38.77
			Installation	<div> <div>Quantity</div> <div>13.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3.39</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$38.77</div> </div>	
274	26 05 33 00 2383		EA	3/4", 4" Square Cut Tile Ring, 1 Gang, Flush Mount	\$55.87
			Installation	<div> <div>Quantity</div> <div>10.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>6.35</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$55.87</div> </div>	
275	26 05 33 00 2435		EA	4-11/16" Junction Box, Plaster Ring And Cover Plate (Computer)	\$60.15
			Installation	<div> <div>Quantity</div> <div>3.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>22.79</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$60.15</div> </div>	
276	26 05 53 00 0019		EA	Labeling Wire	\$55.43
			Installation	<div> <div>Quantity</div> <div>75.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>0.84</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$55.43</div> </div>	
277	26 24 13 00 0186		EA	15-60 Amp MC Branch Breaker, 480 / 277 V	\$4,424.37
			Installation	<div> <div>Quantity</div> <div>9.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>558.76</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$4,424.37</div> </div>	
278	26 24 13 00 0188		EA	125-225 Amp MC Branch Breaker, 480 / 277 V	\$1,002.89
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1,139.91</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,002.89</div> </div>	
279	26 24 16 00 0320		EA	250 A - 42 Circuit Capacity, 277/480 V, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	\$2,740.96
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>3,115.43</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,740.96</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
280	26 24 16 00 0385		EA	1 Pole, 240 Volt, 15-60 A, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	\$235.58
		Installation		<div> <div>Quantity</div> <div>4.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>66.94</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$235.58</div> </div>	
281	26 24 16 00 0385 0211			For Bolt-On, Add	\$38.54
		Installation		<div> <div>Quantity</div> <div>4.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>10.95</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$38.54</div> </div>	
282	26 27 16 00 0238		EA	6"x6"x4" NEMA 4X 304 Stainless Steel Enclosure, Clamp Cover	\$263.74
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>299.77</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$263.74</div> </div>	
283	26 27 16 00 0241		EA	12"x10"x6" NEMA 4X 304 Stainless Steel Enclosure, Clamp Cover	\$527.89
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>600.01</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$527.89</div> </div>	
284	26 27 26 00 0009		EA	1 Gang, 20 A, GFI, Duplex Receptacle Assembly Note: Includes box, receptacle and cover plate	\$40.12
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>45.60</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$40.12</div> </div>	
285	26 27 26 00 0118		EA	1 Gang, 20 A, 120/277 V, SPST, Switch Assembly Note: Includes box, switch and cover plate	\$34.64
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>39.37</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$34.64</div> </div>	
286	26 27 26 00 0190		EA	20 Amp, 120 V, SPST Switch, Weatherproof	\$14.21
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>16.15</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$14.21</div> </div>	
287	26 27 26 00 0244		EA	Weatherproof Covers, One Gang, Vertical Duplex Receptacle Note: Heavy Cast Aluminum	\$26.75
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>30.41</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$26.75</div> </div>	
288	26 28 16 00 0326		EA	30 A, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 V, 3 Phase	\$7,216.59
		Installation		<div> <div>Quantity</div> <div>6.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1,367.09</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$7,216.59</div> </div>	
289	26 28 16 00 0327		EA	60 A, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 V, 3 Phase	\$1,355.75
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>1,540.98</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$1,355.75</div> </div>	
290	26 28 16 00 0329		EA	200 A, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 V, 3 Phase	\$3,555.86
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>4,041.67</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$3,555.86</div> </div>	
291	26 28 16 00 0523		EA	200 A Double Throw Safety Switch, 600 V, 4 Pole, NEMA 1	\$2,085.43
		Installation		<div> <div>Quantity</div> <div>1.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>2,370.35</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$2,085.43</div> </div>	
				Manual Transfer Switch - 4 pole A 480V Nema !	
292	26 56 23 00 0052		EA	42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	\$867.33
		Installation		<div> <div>Quantity</div> <div>3.00</div> <div>x</div> </div> <div> <div>Unit Price</div> <div>328.61</div> <div>x</div> </div> <div> <div>Factor</div> <div>0.8798</div> <div>=</div> </div> <div> <div>Total</div> <div>\$867.33</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
293	27 15 13 00 0038		MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable	\$1,566.40
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>1.00</div> <div>x</div> <div>1,780.41</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$1,566.40</div> </div>	
294	28 31 23 00 0133		EA	Housing for air duct mounted smoke detector (includes baffle)	\$383.47
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>2.00</div> <div>x</div> <div>201.34</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$354.28</div> </div>	
			Demolition	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>6.00</div> <div>x</div> <div>5.53</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$29.19</div> </div>	
295	28 31 23 00 0134		EA	Photo Detector Head	\$311.85
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>2.00</div> <div>x</div> <div>152.36</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$268.09</div> </div>	
			Demolition	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>6.00</div> <div>x</div> <div>8.29</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$43.76</div> </div>	
296	31 05 16 00 0008		CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	\$196.05
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>6.00</div> <div>x</div> <div>37.14</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$196.05</div> </div>	
297	31 05 36 00 0002		EA	Backhoe, Dozer Or Roller Up To 250 HP Delivery, Mobilization And Demobilization Note: Use for backhoe, dozer, roller, loader, excavator or similar sized equipment. Includes delivery fee, delivery, set-up and return.	\$365.75
			Installation lift	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>1.00</div> <div>x</div> <div>415.72</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$365.75</div> </div>	
298	31 11 00 00 0018		CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	\$165.68
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>22.00</div> <div>x</div> <div>8.56</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$165.68</div> </div>	
299	31 23 16 13 0008		CY	Excavation for Trenching by Hand in Loose Rock Includes Stockpiling Excess Materials and Trimming Sides and Bottom of Trench.	\$2,929.89
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>54.00</div> <div>x</div> <div>61.67</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$2,929.89</div> </div>	
300	31 23 16 13 0011		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	\$474.62
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>54.00</div> <div>x</div> <div>9.99</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$474.62</div> </div>	
301	31 23 16 13 0013		CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	\$102.14
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>54.00</div> <div>x</div> <div>2.15</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$102.14</div> </div>	
302	31 23 16 36 0032		CY	Spread Excess Or Imported Material On Site By Hand	\$76.81
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>6.00</div> <div>x</div> <div>14.55</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$76.81</div> </div>	
303	31 24 13 00 0024		CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	\$53.03
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>22.00</div> <div>x</div> <div>2.74</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$53.03</div> </div>	
304	31 31 16 13 0002		SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	\$150.45
			Installation	<div> <div>Quantity</div> <div>Unit Price</div> <div>Factor</div> <div>Total</div> </div> <div> <div>300.00</div> <div>x</div> <div>0.57</div> <div>x</div> <div>0.8798</div> <div>=</div> <div>\$150.45</div> </div>	

Proposal Review - Category Detail Continues...

Job Order Number: 10415  
 Job Order Title: WUD SRWRF - Bldg A - HVAC engineering

Record	CSI Number	Modifier	UOM	Description	Line Total
Category - No Category Input					
305	31 32 19 16 0013		SY	200 LB Grab Tensile Woven Slit Film Geotextile Fabric	\$26.62
			Installation	<div> <div>Quantity</div> <div>34.00</div> <div>x</div> <div>Unit Price</div> <div>0.89</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$26.62</div> </div>	
306	32 01 17 63 0015		EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	\$839.68
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>954.40</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$839.68</div> </div>	
307	32 31 13 00 0012		VLF	24" (61 cm) Diameter Hole, Auger By Machine Fence Post Hole In Soil	\$55.53
			Installation	<div> <div>Quantity</div> <div>6.00</div> <div>x</div> <div>Unit Price</div> <div>10.52</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$55.53</div> </div>	
308	32 31 13 00 0029		VLF	Concrete Fill, 24" (61 cm) Diameter Hole	\$97.61
			Installation	<div> <div>Quantity</div> <div>6.00</div> <div>x</div> <div>Unit Price</div> <div>18.49</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$97.61</div> </div>	
309	32 31 13 00 0042		VLF	Grout Fill, 24" (61 cm) Diameter Hole	\$100.83
			Installation	<div> <div>Quantity</div> <div>6.00</div> <div>x</div> <div>Unit Price</div> <div>19.10</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$100.83</div> </div>	
310	32 31 13 00 0103		LF	6-5/8" (16.5 cm) Outside Diameter Galvanized Steel Post, Up To 6' In Length	\$443.56
			Installation	<div> <div>Quantity</div> <div>16.00</div> <div>x</div> <div>Unit Price</div> <div>31.51</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$443.56</div> </div>	
311	32 31 13 00 0373		EA	6' (1.9 m) Wide x 5' (1.5 m) High Single Gate Vinyl Coated Without Barbed Wire Arm	\$738.24
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> <div>Unit Price</div> <div>419.55</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$738.24</div> </div>	
312	32 31 13 00 0582		EA	Gate Latch, Malleable Galvanized Steel	\$21.39
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>24.31</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$21.39</div> </div>	
313	32 31 13 00 0584		EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	\$36.41
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>41.38</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$36.41</div> </div>	
314	32 31 13 00 0657		OPN	Grounding For Gates (Per Opening)	\$204.10
			Installation	<div> <div>Quantity</div> <div>1.00</div> <div>x</div> <div>Unit Price</div> <div>231.99</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$204.10</div> </div>	
315	32 92 23 00 0003		MSF	St. Augustine Floratam Sod, 1,000 - 4,000 SF, On Level Ground	\$792.61
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> <div>Unit Price</div> <div>450.45</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$792.61</div> </div>	
316	40 92 49 00 0010		EA	15 HP, 208/230 Volt Variable Frequency Drive	\$6,153.25
			Installation	<div> <div>Quantity</div> <div>2.00</div> <div>x</div> <div>Unit Price</div> <div>3,496.96</div> <div>x</div> <div>Factor</div> <div>0.8798</div> <div>=</div> <div>Total</div> <div>\$6,153.25</div> </div>	
Subtotal for Category - No Category Input:					\$448,369.90
Proposal Total					\$448,369.90

This 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.

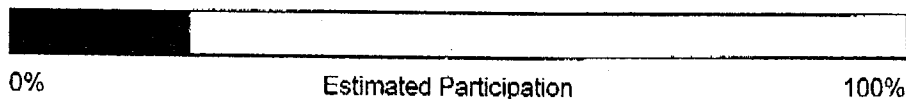
<b>DATE</b> September 22, 2010	<b>GC 06 - SBE Estimate</b>	
<b>Job#</b> 10415 <b>Loc#</b>	<b>WUD SRWRF - "A" Building - HVAC Replacement</b>	
<b>SUBMITTED BY</b>	HA Contracting Corp. 941 South Military Trail Suite F4 West Palm Beach, FL 33415	Contract: R2010-0804 Awarded: 05/18/2010

**Proposal Value: \$ 448,369.90**

Contractor/Sub-Contractor	Trade	SBE Status	SBE \$	% of Job
Airtex Corporation		SBE - Disadvantaged	41,230.00	41,230.00
Andrea Construction		SBE - Disadvantaged	25,675.00	25,675.00
BK Electric		SBE - Disadvantaged	33,750.00	33,750.00

**Total estimate SBE participation**

**22.45%**



*Xavier Sansaricq*  
Xavier Sansaricq, Project Manager

# BUDGET AVAILABILITY STATEMENT

REQUEST DATE: September 22, 2010

REQUESTED BY: Daniel Racette

PHONE#: (561) 233-2057

PROJECT TITLE: WUD SRWRF - Bldg A - HVAC engineering

PROJECT NO.: 10415

LOCATION #: 663

LOCATION DESCRIPTION: Water Utilities Waste Treatment South Regional Plant Pre-treatment & Admin

BUILDING NUMBER:

CONTRACTOR/CONSULTANT NAME: HA Contracting Corp.

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

Install new 42 ton Chilled water system and multizone AHU

WILL THIS AMENDMENT CHANGE THE ESTIMATED COST OF THE PROJECT?

IF YES, PROVIDE ESTIMATES OF THE NEW COSTS:

CONSTRUCTION	\$448,369.90
ARCHITECT/ENGINEER/CONSULTANT	\$6,725.55
*STAFF COSTS	\$6,800.00
EQUIPMENT/OTHER	\$0.00
CONTINGENCY	\$44,836.99
TOTAL:	\$506,732.44

\*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)

FUND: ~~4001~~ 4011 AGENCY: ~~701~~ 701 ORG: ~~W006~~ W006 OBJ: ~~6545~~ 6545 SUBOBJ:

☐ AD VALOREM

☒ OTHER

☐ FEDERAL/DAVIS BACON

Wud use fees

SUBJECT TO INSPECTOR GENERAL FEE ☐ YES ☐ NO

BAS APPROVED BY: [Signature]

DATE: 9/22/10

ENCUMBRANCE NUMBER: \_\_\_\_\_