VILLAGE OF DOWNERS GROVE REPORT FOR THE VILLAGE COUNCIL MEETING OCTOBER 9, 2012

SUBJECT:	TYPE:		SUBMITTED BY:
		Resolution Ordinance	
Installation of 350KW Generator at	✓	Motion	Michael Baker
the Police Station		Discussion Only	Deputy Village Manager

SYNOPSIS

A motion is requested to authorize award of a contract to F. H. Paschen, S.N. Nielsen & Associates LLC in the amount of \$281,410.48 for the construction of an enclosure and installation of a 350KW diesel generator at the existing Police Station and for potential future use.

STRATEGIC PLAN ALIGNMENT

The goals for 2011-2018 identified Top Quality Village Infrastructure & Facilities.

FISCAL IMPACT

The FY2012 budget includes \$325,000 in the Capital Projects Fund for this project.

UPDATE & RECOMMENDATION

This item was discussed at the October 2, 2012 Village Council meeting. The Village Council asked staff to provide additional information on existing generators. The Police Department building currently has one diesel generator and one natural gas generator. Staff recommends approval on the October 9, 2012 Consent Agenda.

BACKGROUND

The Downers Grove Police Station back-up emergency power currently consists of two small generators: 1) a 35 year-old 45KW generator that powers the multi-purpose room and a small number of light fixtures, including exit and stairway lighting, and 2) a 13 year-old 100KW generator that powers the dispatch center, police records division, booking area, phone room and a limited number of electrical outlets. The current provisions for emergency power only allow for the operation of the HVAC system in limited portions of the station and most of the facility is left without lights or access to computers or other electronic devices during a power outage.

Following the storms of 2011, when large portions of the Village were left without power for several days, including the Police Station, and Village staff was taking extraordinary measures to provide emergency services to the community as a result of the storm damage, it became apparent that a solution that provided a more reliable and continuous back-up power source to the Police Station was needed. As such, the project to install a generator was incorporated into the FY2013 Budget and Community Investment Plan.

The proposed new generator will provide complete emergency power coverage for the Police Station and allow for uninterrupted operations during power outages. The existing 100KW generator will remain as an additional backup unit for the Dispatch Center. In the event that the Village decides to remodel or relocate from the existing Police Station in the future, the new generator will have a useful life that allows it to be used for another purpose.

After carefully reviewing available options, the Village obtained pricing from and is recommending that the work be completed by F.H.Paschen, S.N. Nielsen & Associates LLC. The work was awarded to through a Job Order Contract, which is a competitive bidding process conducted by the State of Illinois pursuant to 30ILCS 525 (Procurement #11-082). The process allows municipalities to participate in using any of the pre-qualified contractors. Although not a requirement, staff did informally seek pricing from another contractor and found the costs as established through the State-based process to be favorable. Staff has conducted reference checks for work performed by this company and is confident that they can satisfactorily perform the work involved. The Village has used this contractor to perform work at the Finley Avenue Well House and has been extremely satisfied with the quality of their work.

ATTACHMENTS Contract Form

Job Order Contract Proposal Review Summary - CSI



Date:	September 27, 2012
Contract Number: Job Order Number: Job Order Title:	11-082 012276.00 Village of Downers Grove - 325 kilowatt generator
Contractor:	F. H. Paschen, S. N. Nielsen & Associates LLC
Proposal Value: Proposal Name:	\$281,410.48 Downers Grove 350 KW Generator
Proposal Submitted:	09/27/2012

01 - General Requirements:	\$20,698.40
02 - Site Work:	\$1,997.94
03 - Concrete:	\$28,811.10
04 - Masonry:	\$8,878.00
05 - Metals:	\$3,484.59
07 - Thermal & Moisture Protection:	\$2,072.26
09 - Finishes:	\$5,442.91
23 - Heating, Ventilating, And Air-Conditioning (HVAC):	\$13,637.33
26 - Electrical:	\$188,354.94
27 - Communications:	\$319.81
28 - Electronic Safety And Security:	\$736.20
31 - Earthwork:	\$5,707.14
32 - Exterior Improvements:	\$964.40
41 - Material Processing And Handling Equipment:	\$305.46
Proposal Total	\$281,410.48

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.

The Percent of NPP on this Proposal: 0.00%

Job Order Contract Proposal Review Detail - CSI



Date:				HE GORDIAN	
	September	27, 2012			
Contract Number:	11-082				
lob Order Number:	012276.00				
lob Order Title:	Village of D	owners Gr	ove - 325 kilowatt generator		
Contractor:	•		vielsen & Associates LLC		
Proposal Value:	\$281,410.4				
Proposal Name:			W Generator		
Proposal Submitted:	09/27/2012				
Adjustment Factor(s) Use			Normal Working Hours		
Rec# CSI Number	Mod.	UOM	Description	1	_ine Total
01 - General Requirem	ents				
<i>1</i> 01 22 16 00 0002		EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for		\$2,525.00
/ 01 22 16 00 0002		EA	Reinbursable Pees Note: Reinbursable Pees 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 Reinbursable Fees will be 1.0000. The labor cost involved in obtaining all permits is in the Adjustment Factor. The base cost of the Reinbursable Fee is \$1.00. The quantity used will adjust the base cost to the actual Reinbursable Fee (e.g. quantity of 125 = \$125.00 Reinbursable Fee). If there are multiple Reinbursable Fees, each one shall be listed separately with a comment in the "note" block to identify the Reinbursable Fees (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.		\$2,525.00
			Quantity Unit Price Factor	Total	
		Installation	n 2,500.00 x 1.00 x 1.0100 =	\$2,525.00	
Category1: Electric		EA	engineering and permit drawings as requested by the Village of Downers Grove.		\$3,893.5
2 01 22 10 00 0002		LA	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 \$1.00. The quantity used		φ0,000.0
			will adjust the base cost to the relationable fee (e.g. quantity dised will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.		
	_		will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price	Total	
	_	Installation	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price	Total \$3,893.55	
			will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor		
Category1: Electric		5 year ext	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = rended warranty		¢EOE O
			will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal.QuantityUnit PriceFactor n 1.00x1.0100=Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services		\$505.0
Category1: Electric		5 year ext HR	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = rended warranty Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor	\$3,893.55 Total	\$505.0
Category1: Electric		5 year ext	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = rended warranty Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor	\$3,893.55	\$505.00
Category1: Electric 3 01 22 20 00 0045 Con		5 year ext HR Installation Hazardus	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warrantey Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor	\$3,893.55 Total \$505.00 estos. THIS	\$505.00
Category1: Electric 3 01 22 20 00 0045 Con Category1: Asbestos	tractors Note:	5 year ext HR Installation Hazardus PROPOS	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warranty Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor n 4.00 x 125.00 x 1.0100 = material testing technician on site to test existing generator pipe insulation for asbe AL DOES NOT INCLUDE ANY ASBESTOS OR HAZARDOUS MATERIAL REMOVE	\$3,893.55 Total \$505.00 estos. THIS	
Category1: Electric 3 01 22 20 00 0045 Con	tractors Note:	5 year ext HR Installation Hazardus	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warrantey Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor n 4.00 x 125.00 x 1.0100 = material testing technician on site to test existing generator pipe insulation for asbe AL DOES NOT INCLUDE ANY ASBESTOS OR HAZARDOUS MATERIAL REMOVE Flagperson For Traffic Control	\$3,893.55 Total \$505.00 estos. THIS /AL.	\$505.00
Category1: Electric 3 01 22 20 00 0045 Con Category1: Asbestos	tractors Note:	5 year ext HR Installation Hazardus PROPOS	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warrante warranty Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = Investigating Senior Engineer Or Specialty Consultant Note: For special investigating requirements or services outside required architectural and engineering services Quantity Unit Price Factor n 4.00 x 125.00 x 1.0100 = material testing technician on site to test existing generator pipe insulation for asbea AL DOES NOT INCLUDE ANY ASBESTOS OR HAZARDOUS MATERIAL REMOVE Flagperson For Traffic Control Quantity Unit Price Factor	\$3,893.55 Total \$505.00 estos. THIS /AL. Total	
Category1: Electric 3 01 22 20 00 0045 Con Con Category1: Asbestos 4 01 22 20 00 0050	itractors Note:	5 year ext HR Installation Hazardus PROPOS HR Installation	will adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$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, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be included with the Proposal. Quantity Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warrantey Unit Price Factor n 3,855.00 x 1.00 x 1.0100 = ended warranty Unit Price Factor n 4.00 x 1.25.00 x 1.0100 = material testing technician on site to test existing generator pipe insulation for asbeal LOES NOT INCLUDE ANY ASBESTOS OR HAZARDOUS MATERIAL REMOVER Flagperson For Traffic Control Quantity Unit Price Factor	\$3,893.55 Total \$505.00 estos. THIS /AL.	

	CSI Number	Mod.	UOM	Description	Line Total
01 - 0	General Requirer	nents			
5	01 22 23 00 014	7	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	\$1,656.40
				Quantity Unit Price Factor Total	
	0.		Installatio		
		intractors Note:	Equipme	nt on site for staging and moving brick, mortar, and other materials required to complete work.	
	ory1: Masonry				
6	01 22 23 00 014	.8	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	\$3,676.9
			Installatio	Quantity Unit Price Factor Total on 1.00 x 3.640.55 x 1.0100 = \$3,676.96	
	Co	ontractors Note:		3^{10} 1.00 x 3,640.55 x 1.0100 = \$3,670.96 n site during excavation and concrete phase for material handling of forming material, stone, and	
				m stockpiles to tucks or pad location.	
Catego	ory1: Excavation	/Concrete			
7	01 22 23 00 015		DAY	Forklift Attachment For Skid-Steer Loaders	\$91.7
			Installatio	Quantity Unit Price Factor Total on 2.00 x 45.42 x 1.0100 = \$91.75	
	Co	ntractors Note:		chment for bobcat.	
Catego			i oni ana		
-					* 070 0
8	01 22 23 00 016		WK	Broom Attachment For Skid-Steer Loaders Quantity Unit Price Factor Total	\$272.0
			Installatio		
	Co	ontractors Note:	Sweeper	attachment for bobcat to clean parking lot daily.	
Catego	ory1: Excavation	/Concrete			
9	01 22 23 00 046	i0	DAY	8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	\$1,103.4
			1	Quantity Unit Price Factor Total	
			Installatio	1.00 × 1,092.05 × 1.0100 ¢1,100.10	
_		ontractors Note:	I ruck cra	ane to set generator in place.	
Catego	ory1: Electric				
10	01 22 23 00 056	.4	DAY	2 Ton, 20' Lift, 2-Speed, 230/460V 60 Cycle, Electric Chain Hoist	\$65.0
			Installatio	Quantity Unit Price Factor Total on 1.00 x 64.45 x 1.0100 = \$65.09	
	Co	ontractors Note:	Chain ho	ist needed to remove existing generator.	
Catego	ory1: Electric				
11	01 22 23 00 073	4	DAY	3 Ton, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	\$934.0
	01 22 20 00 070		Ditt	Quantity Unit Price Factor Total	φοστ.σ
			Installatio	on 1.00 x 924.81 x 1.0100 = \$934.06	
	Co	ntractors Note:	Flat bed f	truck to deliver generator from electricians yard to jobsite.	
Catego	ory1: Electric				
12	01 55 26 00 003		WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	\$138.6
			Installatio	Quantity Unit Price Factor Total on 24 00 x 5.72 x 1.0100 = \$138.65	
	Co	entractors Note:		$24.00 \times 5.72 \times 1.0100 = $ \$138.65 to close off section of parking lot and excavation site during construction.	
Cotog			Danicade		
	ory1: Excavation				
-	04 FF 00 00 040	8	EA	Place And Remove Up To 250 Barricades By Hand From Roadside	\$410.8
13	01 55 26 00 010			Quantity Unit Price Factor Total	
-	01 55 26 00 010		Installatio	Quantity Unit Price Factor Total on 120.00 x 3.39 x 1.0100 = \$410.87	

Job Order Number:	012276.00
Job Order Title:	Village of Downers Grove - 325 kilowatt generator

	CSI Number	Mod.	UOM	Description	ו 							Line Total
01 - 0	General Requiren	nents										
14	01 71 13 00 000	2	EA	Rollback Fl loaders (bo	atbed Tru bcats), in	ck Note: dustrial w	Nobilization And For equipment s arehouse forklift ng boom manlifts	uch as tre s, sweepe	nchers, skid-s ers, scissor pla	tform		\$406.6
					antity		Unit Price		Factor		Total	
			Installation		2.00	. x	201.32	x	1.0100		\$406.67	
- .			wodilizatio	on of dodcat.	MODIIIZa	tion requi	red for two sepa	rate trade	s, excavation a	and masonry.		
Categ	ory1: Excavation	Concrete										
15	01 71 13 00 000	2	EA	Rollback Fl loaders (bo	atbed Tru bcats), in	ck Note: dustrial w	Nobilization And For equipment s arehouse forklift ng boom manlifts	uch as tre s, sweepe	nchers, skid-s ers, scissor pla	tform		\$203.3
					antity		Unit Price		Factor		Total	
			Installation		1.00	X	201.32	х	1.0100	=	\$203.33	
		ntractors Note:	Mobilizatio	on of chipper	with truck	tor tree	removals.					
Categ	ory1: Tree Remov	/al										
16	01 71 13 00 000	3	EA	Trailer With scrapers, h heavy duty straight ma	Up To 53 ydraulic e construct st constru n forklifts,	B' Bed No xcavators ion loade iction fork	Nobilization And te: For equipments, gradalls, road rs, tractors, pave lifts, telescoping ng and articulati	nt such as graders, le ers, rollers boom rou	bulldozers, m bader-backhoe , bridge finishe ugh terrrain	otor es, ers,		\$406.66
				Č	uantity		Unit Price		Factor		Total	
			Installation	n	1.00	x	402.63	х	1.0100	=	\$406.66	
	Co	ntractors Note:	Mobilizatio	on of backho	e for exca	vating.						
Categ	ory1: Excavation	Concrete										
17	01 71 13 00 000	5	EA			ft Move C	n/Off Cost, Truc	k Mounte				\$268.6
			Installation		antity		Unit Price		Factor	=	Total \$268.61	
	60	ntractors Note:			1.00	х	265.95	х	1.0100	-	φ200.01	
•		ntractors note:		DIIIZALION.								
Categ	ory1: Electric											
18	01 74 19 00 001	3	EA		• •	,	struction Debris' cost, hauling, ar					\$772.04
					Juantity		Unit Price		Factor		Total	
			Installation		2.00	х	382.20	х	1.0100	=	\$772.04	
	Co	ntractors Note:	Disposal o	of constructio	n debris.							
	a.m. 4. 0 a.m. a.m. 1 0 a.	nditions										
Categ	ory1: General Co			Dump Fee	Trees, St	umps An						\$33.48
Categ	01 74 19 00 002	2	CY				Unit Price		Factor		Total	
	•	2		Ċ	antity				4 0 4 0 0	=		
	01 74 19 00 002		Installation	n	3.00	x	11.05	x	1.0100	=	\$33.48	
19	01 74 19 00 002 Co	ntractors Note:	Installation	Ċ	3.00	x		x	1.0100	=		
19 Categ	01 74 19 00 002 Co	ntractors Note: /al	Installation Disposal o	n of landscape	3.00 debris.			x	1.0100	=		
19	01 74 19 00 002 Co	ntractors Note: /al	Installation	of landscape	3.00 debris. Excavate		11.05	x		=	\$33.48	\$1,624.9
19 Categ	01 74 19 00 002 Co	ntractors Note: /al	Installation Disposal o	of landscape	3.00 debris. Excavate Quantity	ed Dirt	11.05		Factor		\$33.48 Total	\$1,624.9
19 Categ	01 74 19 00 002 Co ory1: Tree Remov 01 74 19 00 002	ntractors Note: /al	Installation Disposal o CY Installation	of landscape	3.00 debris. Excavate Quantity 182.00		11.05	x x			\$33.48	\$1,624.9

-	eneral Reg										
21		uirements									
	01 74 19 0	0 0029	CYM	Hauling On Paved Ro	ads, First 1	5 Miles					\$29.0
			Installatio	Quantity		Unit Price		Factor		Total	
		Contractora Note		n 45.00 f removed landscape de	X	0.64	x	1.0100	-	\$29.09	
			- Hauling O	removed landscape d	EDITS.						
Categor	-										
22	01 74 19 0	0 0029	CYM	Hauling On Paved Ro Quantity	ads, First 1	5 Miles Unit Price		Factor		Total	\$1,411.7
			Installatio	•	x	0.64	x	1.0100		\$1,411.74	
		Contractors Note	: Hauling o	,							
Categor	ry1: Excava	ation/Concrete									
Subtot	al for 01 - 0	General Require	ments:							\$2	20,698.4
	ite Work	Jonorul Roquito								Ŷ	20,000.4
-	02 41 19 1	3 0133	EA	Drill 2" (50 mm) Diam	eter Core Ir	12" (30 cm) (Concrete				\$253.1
				Quantity		Unit Price		Factor		Total	<i><i><i>q</i>₂₀₀₁</i></i>
			Installatio	3.00	х	83.54	х	1.0100	=	\$253.13	
		Contractors Note	: Core (3) 2	" holes in exterior wall	of building.	CMU + brick	= 12".				
Categor	ry1: Electri	c									
24	02 41 19 1	3 0133 Mod		For Horizontal Cores,	Add						\$44.0
			Installatio	Quantity		Unit Price		Factor		Total	
		0		3.00	X	14.54	X	1.0100	-	\$44.06	
			: Core (3)	2" holes in exterior wall	of building.	CIVIU + Drick	= 12"."				
Categor	ry1: Electri	c									
25	02 41 19 1	3 0135	EA	Drill 4" (10 cm) Diame	eter Core In	12" (30 cm) C Unit Price	Concrete	Fastar		Tatal	\$373.5
			Installatio	Quantity ⁿ	x	123.28	x	Factor 1.0100		Total \$373.54	
		Contractors Note	: Core (3) 4	" holes in exterior wall						,	
ategor	ry1: Electri				Ũ						
				For Horizontal Cores,	Add						¢62.0
26	02 41 19 1	3 0135 Mod _		Quantity	Add	Unit Price		Factor		Total	\$62.9
			Installatio	2	x	20.77	x	1.0100	=	\$62.93	
Categor	ry1: Electri	с									
27	02 41 19 1	3 0211	IN	3/8" Diameter Drilling	In Concrete	e Per Inch Of I	Depth				\$581.7
		_		Quantity		Unit Price	· ·	Factor		Total	
			Installatio	240.00	x	2.40	х	1.0100	=	\$581.76	
		Contractors Note	: Drilling in	concrete and masonry	for anchorir	ig unistrut and	l conduit.				
Categor	ry1: Electri	c									
28	02 41 19 1	3 0212	IN	1/2" Diameter Drilling	In Concrete		Depth				\$249.1
			Installatio	Quantity	v	Unit Price	v	Factor 1.0100		Total \$249.19	
		Contractors Note		n 96.00 concrete wall for new c	X hain link da	2.57 te	х	1.0100		φ2+0.10	
`atoac	nul: Gata	Contractors NOLE	. Criming ill	control wait for new t							
	ry1: Gate				<u> </u>						¢ ~ ~
29	02 41 19 1	3 0216	IN	1" Diameter Drilling Ir Quantity	Concrete I	Per Inch Of De Unit Price	epth	Factor		Total	\$277.1
			Installatio		x	3.43	x	1.0100		\$277.14	

Rec#	CSI Number	Mod.	UOM	Description						I	Line Total
02 - \$	Site Work										
30	02 41 19 13 03	01	VLF	Toothing Masonry Cu	utouts, Br	ick, Hard Mortar					\$156.1
			Installation	Quantity		Unit Price		Factor	_	Total	
	C	antuantana Nata.		8.00	X	19.33	X	1.0100	-	\$156.19	
		ontractors note.	Toothing h	nasonry as needed at	mersecu	on of new and ex	kisung wa				
ateg	ory1: Masonry										
	otal for 02 - Site	Work:									\$1,997.9
03 - 0	Concrete										
31	03 05 00 00 00	29	GAL	Sealer, Hardener An	d Dustpro	ofer, Clear, 400	SF Per G	allon			\$202.4
			Installation	Quantity		Unit Price		Factor	_	Total	
			Installation	2.00	Χ	100.21	х	1.0100	-	\$202.42	
			Concretes	sealer applied to new o	concrete.						
	ory1: Excavatior										
32	03 11 13 00 00		SF	Continuous Footings Quantity	Foundat	ion Wood Formw Unit Price	ork	Factor		Total	\$826.5
			Installation		х	5.93	х	1.0100	=	\$826.52	
	C	ontractors Note:	Footing for								
Categ	ory1: Excavatior	n/Concrete									
33	03 11 13 00 00	03 Mod		For Quantities < 100	bbA (\$154.7
				Quantity	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Unit Price		Factor		Total	<i>•••••</i>
			Installation	138.00	х	1.11	x	1.0100	=	\$154.71	
Categ	ory1: Excavation	n/Concrete									
34	03 11 13 00 00	07	SF	Below Grade Walls F	oundatio		rk Note: E		g		\$3,784.4
			Installation	Quantity		Unit Price		Factor 1.0100	_	Total \$3,784.41	
	C	ontractors Note:		¹ 394.00 n wall wood formwork.	х	9.51	х	1.0100		φ 3 ,7 0 1 . 1 1	
Categ			1 ounduio								
	•			E 0 111 100							
35	03 11 13 00 00	07 Mod		For Quantities < 1000 Quantity	J, Add	Unit Price		Factor		Total	\$716.2
			Installation		х	1.80	x	1.0100	=	\$716.29	
Categ	ory1: Excavation	n/Concrete									
36	03 11 13 00 00	09	LF	Up To 6" High Slab E	dge and	Block-Out Wood	Formwor	k			\$73.8
			1	Quantity		Unit Price		Factor		Total	
			Installation	10.00	х	4.57	x	1.0100	=	\$73.85	
_			Formwork	for concrete sidewalk.							
Categ	ory1: Excavation	n/Concrete									
37	03 11 13 00 00	09 Mod		For Quantities < 250,	Add	Linit Dring		Fastar		Tatal	\$14.0
			Installation	Quantity 16.00	x	Unit Price 0.87	x	Factor 1.0100	=	Total \$14.06	
Categ	ory1: Excavation	n/Concrete		10.00	~	0.01	~				
38	03 11 13 00 00		LF	>6" To 12" High Slab	Edge an	d Block-Out Woo	od Formw	ork			\$768.5
00	33 11 13 00 00		L1	Quantity	Luge di	Unit Price		Factor		Total	ψ/ 00.0
			Installation	110.00	х	6.56	х	1.0100		\$768.57	
	C	ontractors Note:	Concrete s	slab edge formwork. Ir	cludes e	xterior slab edge	and box of	out for thinken	d pad for	generator.	
Categ	ory1: Excavation	n/Concrete									
39	03 11 13 00 00	10 Mod		For Quantities < 250,	Add						\$144.1
			Installation	Quantity		Unit Price		Factor	_	Total	
			motunation	¹ 116.00	х	1.23	х	1.0100		\$144.11	

	CSI Number	Mod.	UOM	Description							Line Total
03 -	Concrete										
40	03 11 13 00 0020		SF	Up To 8' High Above	e Grade	Wall Wood Formw	vork				\$8,524.6
				Quantity		Unit Price		Factor		Total	
			Installation	794.00	х	10.63	х	1.0100	=	\$8,524.62	
	Contr	actors Note:	Wood form	work for concrete wa	all above	grade. Same as	existing.				
Categ	ory1: Excavation/Co	oncrete									
41	03 11 13 00 0020	Mod		For Quantities < 100)0. Add						\$1,619.9
				Quantity	.,	Unit Price		Factor		Total	, ,
			Installation	794.00	х	2.02	х	1.0100	=	\$1,619.92	
Categ	ory1: Excavation/Co	oncrete									
42	03 11 13 00 0081		LF	2x4 To 2x6 Keyway	Forms f	or Concrete Form	vork, All N	laterials			\$104.0
				Quantity		Unit Price		Factor		Total	
			Installation	64.00	х	1.61	х	1.0100	=	\$104.07	
	Contr	actors Note:	Keyway in	footing.							
Categ	ory1: Excavation/Co	oncrete									
43	03 15 16 00 0013		LF	1/2" x 6" Premolded	Felt Asr	halt Expansion Jo	int In Sla	bs Or Walls			\$230.0
				Quantity		Unit Price		Factor		Total	<i><i><i></i></i></i>
			Installation	85.00	х	2.68	х	1.0100	=	\$230.08	
	Contr	actors Note:	Expansion	joint at sidewalk, sla	b, and th	ickend pad.					
Categ	ory1: Excavation/Co	oncrete									
44	03 15 16 00 0013	Mod		For Installation In Bo	axouts A	dd					\$27.8
				Quantity	incource, r	Unit Price		Factor		Total	\$1 10
			Installation	52.00	x	0.53	х	1.0100	=	\$27.84	
Categ	ory1: Excavation/Co	oncrete									
45	03 21 13 00 0004		TON	Grade 50 Reinforcin	a Steel.	Footings And Slat	os. #3-#6				\$742.8
			-	Quantity	J ,	Unit Price		Factor		Total	
			Installation	0.27	v		х	1 0 1 0 0	-	#740 00	
				0.27	х	2,723.94	~	1.0100	-	\$742.82	
	Contr	actors Note:	Vertical rel	oars in foundation wa		,		1.0100	-	\$742.8Z	
Categ	Contr ory1: Excavation/Co		Vertical rel			,		1.0100	_	\$742.82	
	ory1: Excavation/Co			pars in foundation wa	ills, and	above grade walls				\$742.82	\$1 411 8
Categ 46			Vertical rel		ills, and	above grade walls				\$742.82	\$1,411.88
	ory1: Excavation/Co			Grade 50 Reinforcin Quantity	ills, and	above grade walls Beams, Columns,		3-#6			\$1,411.8
	ory1: Excavation/Co	oncrete	TON	Grade 50 Reinforcin Quantity	ulls, and	Beams, Columns, Unit Price 2,740.99	Walls, #3 x	-#6 Factor 1.0100	=	Total \$1,411.88	\$1,411.8
46	ory1: Excavation/Co 03 21 13 00 0012 Contr	oncrete actors Note:	TON Installation Rebar in fo	Grade 50 Reinforcin Quantity 0.51	ulls, and	Beams, Columns, Unit Price 2,740.99 above grade walls	Walls, #3 x	-#6 Factor 1.0100	=	Total \$1,411.88	\$1,411.88
46	ory1: Excavation/Co	oncrete actors Note:	TON Installation Rebar in fo	Grade 50 Reinforcin Quantity 0.51 potings, foundation wa	ulls, and	Beams, Columns, Unit Price 2,740.99 above grade walls	Walls, #3 x	-#6 Factor 1.0100	=	Total \$1,411.88	\$1,411.8
46	ory1: Excavation/Co 03 21 13 00 0012 Contr	oncrete actors Note:	TON Installation Rebar in fo	Grade 50 Reinforcin Quantity 0.51 potings, foundation wa ar each way in concre Straight Dowels, 5/8	ulls, and	Beams, Columns, Unit Price 2,740.99 above grade walls and pad.	Walls, #3 x s. (2) #5 d	Factor Factor 1.0100 cont' in footing a	= and top/bottom	Total \$1,411.88	
46 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co	oncrete actors Note:	TON Installation Rebar in fo wall. Reba	Grade 50 Reinforcin Quantity 0.51 potings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed	ulls, and	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16	Walls, #3 x s. (2) #5 d	Factor Factor 1.0100 cont' in footing a neter x 61 cm Lo	= and top/bottom	Total \$1,411.88 of each	
46 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co	oncrete actors Note:	TON Installation Rebar in fo wall. Reba	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity	Ills, and and an and a state of the state of	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price	Walls, #3 x s. (2) #5 c mm Diam	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor	= and top/bottom ong),	Total \$1,411.88 of each Total	
46 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026	actors Note:	TON Installation Rebar in fo wall. Reba EA Installation	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00	Ills, and and a g Steel, x alls, and a ste slab a ste s	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86	Walls, #3 x s. (2) #5 o mm Diam	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100	= and top/bottom ong), =	Total \$1,411.88 of each Total \$115.54	
46 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026	oncrete actors Note:	TON Installation Rebar in fo wall. Reba EA Installation	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent cor	Ills, and and a g Steel, x alls, and a ste slab a ste s	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86	Walls, #3 x s. (2) #5 o mm Diam	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100	= and top/bottom ong), =	Total \$1,411.88 of each Total \$115.54	
46 Categ 47	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026	actors Note: oncrete actors Note:	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent cor	Ills, and and a g Steel, x alls, and a ste slab a ste s	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86	Walls, #3 x s. (2) #5 o mm Diam	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100	= and top/bottom ong), =	Total \$1,411.88 of each Total \$115.54	
46 Categ 47	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr	actors Note: oncrete actors Note:	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent cor	Ills, and and an and a second	Beams, Columns, Unit Price 2,740.99 above grade walks and pad. ter x 24" Long (16 Unit Price 2.86 undation and side	X s. (2) #5 o mm Diam X walk tie in	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100 n. Also dowels	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54	\$115.5
46 Categ 47 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr ory1: Excavation/Co	actors Note: oncrete actors Note: oncrete	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con oad. For Installation In Ex (Note: Includes Drilli	Ills, and and an and a second	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side oncrete, Horizonta Into Concrete And	Walls, #3 x s. (2) #5 o mm Diam x walk tie in	Factor 1.0100 cont' in footing a leter x 61 cm Lo Factor 1.0100 I. Also dowels	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54 ab to 12"	\$115.5
46 Categ 47 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr ory1: Excavation/Co	actors Note: oncrete actors Note: oncrete	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator EA	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con oad. For Installation In Ex (Note: Includes Drilli Quantity	Ills, and ag Steel, x alls, and ete slab a " Diame x ncrete for cisting C ing Hole	above grade walls Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side poncrete, Horizonta Into Concrete And Unit Price	Walls, #3 x s. (2) #5 o mm Diam x walk tie in l, Add Pei Grout)	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100 n. Also dowels r Inch Of Depth Factor	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54 ab to 12" Total	\$115.5
46 Categ 47 Categ 48	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Ory1: Excavation/Co ory1: Excavation/Co 03 21 13 00 0026	actors Note: oncrete actors Note: oncrete moncrete Mod	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con oad. For Installation In Ex (Note: Includes Drilli Quantity	Ills, and and an and a second	Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side oncrete, Horizonta Into Concrete And	Walls, #3 x s. (2) #5 o mm Diam x walk tie in	Factor 1.0100 cont' in footing a leter x 61 cm Lo Factor 1.0100 I. Also dowels	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54 ab to 12"	\$115.5
46 Categ 47 Categ 48	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr ory1: Excavation/Co	actors Note: oncrete actors Note: oncrete moncrete Mod	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator EA	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con oad. For Installation In Ex (Note: Includes Drilli Quantity	Ills, and ag Steel, x alls, and ete slab a " Diame x ncrete for cisting C ing Hole	above grade walls Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side poncrete, Horizonta Into Concrete And Unit Price	Walls, #3 x s. (2) #5 o mm Diam x walk tie in l, Add Pei Grout)	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100 n. Also dowels r Inch Of Depth Factor	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54 ab to 12" Total	\$115.5
46 Categ 47 Categ 48	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Ory1: Excavation/Co ory1: Excavation/Co 03 21 13 00 0026	actors Note: oncrete actors Note: oncrete moncrete Mod	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator EA	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con oad. For Installation In Eb (Note: Includes Drilli Quantity 360.00 For 18" Length, Ded	Ills, and and a g Steel, x alls, and a te slab a a slab	above grade walls Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side Dencrete, Horizonta Into Concrete And Unit Price 2.28	Walls, #3 x s. (2) #5 o mm Diam x walk tie in l, Add Pei Grout)	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100 n. Also dowels r Inch Of Depth Factor 1.0100	= and top/bottom ong), = to tie new 6" sl	Total \$1,411.88 of each Total \$115.54 ab to 12" Total \$829.01	\$1,411.84 \$115.54 \$829.0 \$-11.72
46 Categ 47 Categ 48 Categ	ory1: Excavation/Co 03 21 13 00 0012 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr ory1: Excavation/Co 03 21 13 00 0026 Contr ory1: Excavation/Co 03 21 13 00 0026	actors Note: oncrete actors Note: oncrete Mod 	TON Installation Rebar in fo wall. Reba EA Installation Dowels dri generator EA	Grade 50 Reinforcin Quantity 0.51 ootings, foundation wa ar each way in concre Straight Dowels, 5/8 Deformed Quantity 40.00 Iled into adjacent con coad. For Installation In Ex (Note: Includes Drilli Quantity 360.00 For 18" Length, Ded Quantity	Ills, and and a g Steel, x alls, and a te slab a a slab	above grade walls Beams, Columns, Unit Price 2,740.99 above grade walls and pad. ter x 24" Long (16 Unit Price 2.86 undation and side poncrete, Horizonta Into Concrete And Unit Price	Walls, #3 x s. (2) #5 o mm Diam x walk tie in l, Add Pei Grout)	Factor 1.0100 cont' in footing a neter x 61 cm Lo Factor 1.0100 n. Also dowels r Inch Of Depth Factor	= and top/bottom ong), = to tie new 6" sl. =	Total \$1,411.88 of each Total \$115.54 ab to 12" Total	\$115.5 \$829.0

Rec#	CSI Number	Mod.	UOM	Description							Line Total
03 -	Concrete										
50	03 22 13 00 0004		SF	6 x 6 x #6, 42 #/CSF	, Welded	Wire Reinforcen	nent In Slabs	, (W 2.9 x V	V 2.9)		\$429.6
			1	Quantity		Unit Price		Factor		Total	
			Installation	409.00	х	0.87	x	1.0100	=	\$429.68	
			Wire mesh	in new sidewalk.							
Categ	ory1: Excavation/C	oncrete									
51	03 31 13 00 0009		CY	Direct Chute, Place	3000 PSI		uous Footing	-		_	\$716.7
			Installation	Quantity 5.00	x	Unit Price 141.93	x	Factor 1.0100	=	Total \$716.75	
	Cont	ractors Note:		5.00	^	141.95	~	1.0100		<i>\</i>	
` ator	ory1: Excavation/C			er roomiger							
	-										
52	03 31 13 00 0009	Mod		For 3500 PSI (245 k Quantity	(g/Cm2) C	Concrete, Add Unit Price		Factor		Total	\$26.1
			Installation		x	5.18	х	1.0100	=	\$26.16	
Cateo	ory1: Excavation/C	oncrete		0.00							
53	03 31 13 00 0009			For Quantities Up To	20 Add						\$77.6
00	03 31 13 00 0003			Quantity	5 20, Add	Unit Price		Factor		Total	ψη
			Installation	5.00	х	15.37	х	1.0100	=	\$77.62	
Categ	ory1: Excavation/C	oncrete									
54	03 31 13 00 0026		CY	Up To 6", By Direct	Chute, Pla	ace 3000 PSI Co	ncrete Slab	On Grade			\$954.2
				Quantity		Unit Price		Factor		Total	
			Installation	7.00	x	134.97	x	1.0100	=	\$954.24	
	Cont	ractors Note:	Concrete s	lab on grade. Sidew	alk and ar	ound thickened	generator pa	d			
Cater							gonorator pa				
oateg	ory1: Excavation/C	oncrete					generator pa				
55	ory1: Excavation/C			For 3500 PSI (245 k		Concrete, Add	go				\$36.6
	•			Quantity	(g/Cm2) C	Concrete, Add Unit Price		Factor		Total	\$36.6
55	03 31 13 00 0026	Mod	Installation	Quantity		Concrete, Add	x		=	Total \$36.62	\$36.6
55	03 31 13 00 0026	Mod	Installation	Quantity 7.00	(g/Cm2) C x	Concrete, Add Unit Price 5.18		Factor	=		
55	03 31 13 00 0026	Mod	Installation	Quantity 7.00 For Quantities Up T	(g/Cm2) C x	Concrete, Add Unit Price 5.18		Factor 1.0100	=	\$36.62	
55 Categ	03 31 13 00 0026	Mod	Installation	Quantity 7.00 For Quantities Up To Quantity	(g/Cm2) C x o 20, Add	Concrete, Add Unit Price 5.18 Unit Price	x	Factor 1.0100 Factor		\$36.62 Total	
55 Categ 56	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026	Mod	Installation	Quantity 7.00 For Quantities Up To Quantity	(g/Cm2) C x	Concrete, Add Unit Price 5.18		Factor 1.0100		\$36.62	
55 Categ 56 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C	Mod	Installation	Quantity 7.00 For Quantities Up To Quantity 7.00	x x x x x x x x	Concrete, Add Unit Price 5.18 Unit Price 12.59	x	Factor 1.0100 Factor 1.0100		\$36.62 Total	\$89.0
55 Categ 56	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026	Mod	Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute	x x x x x x x x	Concrete, Add Unit Price 5.18 Unit Price 12.59	x	Factor 1.0100 Factor 1.0100		\$36.62 Total	\$89.0
55 Categ 56 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C	Mod	Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute Quantity	x x x x x x x x	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete	x	Factor 1.0100 Factor 1.0100 rade	=	\$36.62 Total \$89.01	\$89.C
55 Categ 56 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027	Mod concrete Mod concrete	Installation Installation CY Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute Quantity	(g/Cm2) C x 2 20, Add x 2, Place 30 x	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor	=	\$36.62 Total \$89.01 Total	\$89.0
55 Categ 56 Categ 57	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027	Mod oncrete oncrete ractors Note:	Installation Installation CY Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute Quantity 5.00	(g/Cm2) C x 2 20, Add x 2, Place 30 x	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor	=	\$36.62 Total \$89.01 Total	\$36.6 \$89.0 \$643.2
55 Categ 56 Categ 57 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 03 31 13 00 0027 Cont ory1: Excavation/C	Mod oncrete Mod concrete ractors Note: concrete	Installation Installation CY Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p	(g/Cm2) C x 2 20, Add x 2, Place 30 x ad.	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price 127.38	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor	=	\$36.62 Total \$89.01 Total	\$89.0 \$643.2
55 Categ 56 Categ 57	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 Cont	Mod oncrete oncrete ractors Note:	Installation Installation CY Installation	Quantity 7.00 For Quantities Up To Quantity 7.00 >6", By Direct Chute Quantity 5.00	(g/Cm2) C x 2 20, Add x 2, Place 30 x ad.	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price 127.38	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor	=	\$36.62 Total \$89.01 Total \$643.27 Total	\$89.0 \$643.2
55 Categ 56 Categ 57 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 03 31 13 00 0027 Cont ory1: Excavation/C	Mod oncrete Mod concrete ractors Note: concrete	Installation Installation CY Installation	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 H Quantity	(g/Cm2) C x 2 20, Add x 2, Place 30 x ad.	Concrete, Add Unit Price 5.18 Unit Price 12.59 DOO PSI Concrete Unit Price 127.38 Concrete, Add	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27	\$89.0 \$643.2
55 55 56 56 57 57 58	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 03 31 13 00 0027 Cont ory1: Excavation/C	Mod Mod concrete ractors Note: oncrete Mod	Installation Installation CY Installation Concrete th	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 H Quantity	(g/Cm2) C x 2 20, Add x 2, Place 30 x ad. (g/Cm2) C	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price 127.38 Concrete, Add Unit Price	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total	\$89.0 \$643.2
55 55 56 56 57 57 58	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 03 31 13 00 0027 Cont ory1: Excavation/C 03 31 13 00 0027	Mod Mod concrete ractors Note: oncrete Mod	Installation Installation CY Installation Concrete th	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 H Quantity	(g/Cm2) C x 2 20, Add x a, Place 30 x ad. (g/Cm2) C x	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price 127.38 Concrete, Add Unit Price	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16	\$89.0
55 55 Categ 56 57 57 Categ 58 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 Cont ory1: Excavation/C 03 31 13 00 0027 ory1: Excavation/C	Mod oncrete mod concrete ractors Note: concrete Mod oncrete	Installation Installation CY Installation Concrete the Installation	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 k Quantity 5.00 For Quantities Up Tr Quantity	(g/Cm2) C x 2 20, Add x a, Place 30 x ad. (g/Cm2) C x z 20, Add	Concrete, Add Unit Price 5.18 Unit Price 12.59 DOO PSI Concrete Unit Price 127.38 Concrete, Add Unit Price 5.18 Unit Price	x x e Slab On Gr x x	Factor 1.0100 Factor 1.0100 rade Factor 1.0100 Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16 Total	\$89.0 \$643.2 \$26.1
55 55 56 56 57 57 58 58 58 58	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 Ory1: Excavation/C 03 31 13 00 0027 Cont Ory1: Excavation/C 03 31 13 00 0027 ory1: Excavation/C 03 31 13 00 0027	Mod oncrete Mod concrete ractors Note: concrete Mod concrete Mod	Installation Installation CY Installation Concrete th	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 k Quantity 5.00 For Quantities Up Tr Quantity	(g/Cm2) C x 2 20, Add x a, Place 30 x ad. (g/Cm2) C x	Concrete, Add Unit Price 5.18 Unit Price 12.59 DOO PSI Concrete Unit Price 127.38 Concrete, Add Unit Price 5.18	x x e Slab On Gr	Factor 1.0100 Factor 1.0100 rade Factor 1.0100 Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16	\$89.0 \$643.2 \$26.1
55 55 56 56 57 57 58 58 58 58 58	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 Cont ory1: Excavation/C 03 31 13 00 0027 ory1: Excavation/C	Mod oncrete Mod concrete ractors Note: concrete Mod concrete Mod	Installation Installation CY Installation Concrete the Installation	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 k Quantity 5.00 For Quantities Up Tr Quantity	(g/Cm2) C x 2 20, Add x a, Place 30 x ad. (g/Cm2) C x z 20, Add	Concrete, Add Unit Price 5.18 Unit Price 12.59 DOO PSI Concrete Unit Price 127.38 Concrete, Add Unit Price 5.18 Unit Price	x x e Slab On Gr x x	Factor 1.0100 Factor 1.0100 rade Factor 1.0100 Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16 Total	\$89.0 \$643.2 \$26.1
55 55 56 56 57 57 58 58 58 58 58	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 Ory1: Excavation/C 03 31 13 00 0027 Cont Ory1: Excavation/C 03 31 13 00 0027 ory1: Excavation/C 03 31 13 00 0027	Mod oncrete Mod concrete ractors Note: concrete Mod concrete Mod	Installation Installation CY Installation Installation	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 k Quantity 5.00 For Quantities Up Tr Quantity 5.00	(g/Cm2) C x 2 20, Add x 2 20, Add x (g/Cm2) C x 2 20, Add x	Concrete, Add Unit Price 5.18 Unit Price 12.59 000 PSI Concrete Unit Price 127.38 Concrete, Add Unit Price 5.18 Unit Price 9.55 ace 3000 PSI Coc	x x e Slab On Gr x x x	Factor 1.0100 Factor 1.0100 Gade Factor 1.0100 Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16 Total \$48.23	\$89.0 \$643.2 \$26.1
55 55 Categ 56 57 Categ 58 58 Categ 59 59 Categ	03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0026 ory1: Excavation/C 03 31 13 00 0027 ory1: Excavation/C 03 31 13 00 0027	Mod oncrete Mod concrete ractors Note: concrete Mod concrete Mod	Installation Installation CY Installation Concrete th Installation Installation	Quantity 7.00 For Quantities Up Tr Quantity 7.00 >6", By Direct Chute Quantity 5.00 hickened generator p For 3500 PSI (245 k Quantity 5.00 For Quantities Up Tr Quantity 5.00	(g/Cm2) C x 2 20, Add x 2 20, Add x (g/Cm2) C x 2 20, Add x	Concrete, Add Unit Price 5.18 Unit Price 12.59 D00 PSI Concrete Unit Price 127.38 Concrete, Add Unit Price 5.18 Unit Price 9.55	x x e Slab On Gr x x x	Factor 1.0100 Factor 1.0100 rade Factor 1.0100 Factor 1.0100	=	\$36.62 Total \$89.01 Total \$643.27 Total \$26.16 Total	\$89.0 \$643.2 \$26.1 \$48.2

Proposal Review Detail - CSI

	CSI Number	Mod.	UOM	Description							I	Line Total
03 -	Concrete											
61	03 31 13 00 0062	Mod		For 3500 PSI	(245 K	g/Cm2) (Concrete, Add					\$120.3
					antity	<u> </u>	Unit Price		Factor		Total	
			Installatio	n 2	23.00	х	5.18	x	1.0100	=	\$120.33	
Categ	ory1: Excavation/C	oncrete										
62	03 31 13 00 0062	Mod		For Quantities		o 50, Ad						\$216.9
			Installatio		antity		Unit Price		Factor	_	Total	
•			installatio	2	23.00	х	9.34	x	1.0100	-	\$216.97	
Categ	ory1: Excavation/C	oncrete										
63	03 35 16 00 0003		SF	Concrete Floo		nes, Broo			Fasta		T - 4 - 1	\$421.4
			Installatio		antity		Unit Price		Factor 1.0100	_	Total \$421.47	
				29	0.00	X	1.07	х	1.0100		φ+21.47	
			Broom fir	ish on concrete	siab ar	id walk.						
Categ	ory1: Excavation/C	oncrete										
64	03 35 36 00 0001		SF	Wall Finishes,		Rub Wit						\$558.2
			Installatio		antity		Unit Price		Factor	_	Total	
			Installatio	39	2.00	x	1.41	х	1.0100	-	\$558.25	
	Cont	ractors Note:	Finish co	ncrete walls afte	er forms	are rem	oved.					
Categ	ory1: Excavation/C	oncrete										
65	03 35 36 00 0006		SF	Wall Finishes,	, Break	Ties And	l Patch					\$316.7
					antity		Unit Price		Factor		Total	
			Installatio	n 39	2.00	x	0.80	х	1.0100	=	\$316.74	
	Cont	ractors Note:	Break for	m ties and patch	holes.							
Categ	ory1: Excavation/C	oncrete										
• • •												
Subt	otal for 03 - Concre	ete:									\$2	28,811.1
		ete:									\$2	28,811.1
04 -	Masonry	ete:									\$2	-
		ete:	CSF		ing Sca	ffolding,	1 To 5 Story, Tu	bular Stee	l, Based On 1		\$2	-
04 -	Masonry	ete:	CSF	Use/Month	ing Sca	ffolding,	1 To 5 Story, Tu Unit Price	bular Stee	I, Based On 1 Factor		\$2 Total	-
04 -	Masonry	ete:	CSF	Use/Month Qua	-	ffolding, x		bular Stee		=		-
04 -	Masonry 04 05 26 00 0002		Installatio	Use/Month Qua	antity 3.92		Unit Price		Factor	=	Total	-
04 - 66	Masonry 04 05 26 00 0002 Cont		Installatio	Use/Month Qua n	antity 3.92		Unit Price		Factor	=	Total	-
04 - 66 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry		Installatio Scaffoldir	Use/Month Qua n ng for masonry w	antity 3.92 vork.	x	Unit Price 303.74	x	Factor 1.0100	=	Total	\$1,202.5
04 - 66	Masonry 04 05 26 00 0002 Cont		Installatio	Use/Month Qua n ng for masonry w Standard Size	antity 3.92 vork. e Red F	x	Unit Price 303.74	x	Factor 1.0100 Inning Bond)	=	Total \$1,202.57	\$1,202.5
04 - 66 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry		Installatio Scaffoldir	Use/Month Qua n ng for masonry w Standard Size Qua	antity 3.92 vork. e Red F antity	x	Unit Price 303.74	x	Factor 1.0100		Total	\$1,202.5
04 - 66 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ng for masonry w Standard Size Qua	antity 3.92 vork. e <u>Red F</u> antity 18.00	x ace Brick	Unit Price 303.74 < - Veneer (6.4/S Unit Price	x SF With Ru	Factor 1.0100 Inning Bond) Factor		Total \$1,202.57 Total	\$1,202.5
04 - 66 Categ 67	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ng for masonry w Standard Size Qua n 40	antity 3.92 vork. e <u>Red F</u> antity 18.00	x ace Brick	Unit Price 303.74 < - Veneer (6.4/S Unit Price	x SF With Ru	Factor 1.0100 Inning Bond) Factor		Total \$1,202.57 Total	\$1,202.5
04 - 66 Categ 67 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont ory1: Masonry	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ng for masonry w Standard Size Qua n 40 rick on new cond	antity 3.92 vork. e Red F antity 8.00 crete w	x ace Brick x all.	Unit Price 303.74 <- Veneer (6.4/S Unit Price 18.24	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100	=	Total \$1,202.57 Total	\$1,202.5 \$7,516.3
04 - 66 Categ 67	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ag for masonry w Standard Size Qua n 40 rick on new cond	antity 3.92 vork. e Red F antity 8.00 crete w	x ace Brick x all.	Unit Price 303.74 < - Veneer (6.4/S Unit Price	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100	=	Total \$1,202.57 Total	\$1,202.5
04 - 66 Categ 67 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont ory1: Masonry	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ng for masonry w Standard Size Qua n 40 rick on new cond For Columns M Add	antity 3.92 vork. e Red F antity 8.00 crete w	x ace Brick x all.	Unit Price 303.74 <- Veneer (6.4/S Unit Price 18.24	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100	=	Total \$1,202.57 Total	\$1,202.5 \$7,516.3
04 - 66 Categ 67 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont ory1: Masonry	tractors Note:	Installatio Scaffoldir SF Installatio	Use/Month Qua n ag for masonry w Standard Size Qua n 40 rick on new cond For Columns N Add Qua	antity 3.92 vork. e Red F antity 8.00 crete w Where	x ace Brick x all.	Unit Price 303.74 <- Veneer (6.4/S Unit Price 18.24	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100 r to Corner Is	= < 3',	Total \$1,202.57 Total \$7,516.34	\$1,202.5 \$7,516.3
04 - 66 Categ 67 Categ 68	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont ory1: Masonry	tractors Note:	Installatic Scaffoldir SF Installatic Veneer b	Use/Month Qua n ag for masonry w Standard Size Qua n 40 rick on new cond For Columns N Add Qua	antity 3.92 vork. Red F antity 18.00 crete w Where antity	x ace Brick x all. The Sho	Unit Price 303.74 <- Veneer (6.4/S Unit Price 18.24 rtest Distance Fi	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100 r to Corner Is Factor	= < 3',	Total \$1,202.57 Total \$7,516.34 Total	\$1,202.5 \$7,516.3
04 - 66 Categ 67 Categ 68 Categ	Masonry 04 05 26 00 0002 Cont ory1: Masonry 04 21 13 00 0003 Cont ory1: Masonry 04 21 13 00 0003	tractors Note:	Installatic Scaffoldir SF Installatic Veneer b	Use/Month Qua n ag for masonry w Standard Size Qua n 40 rick on new cond For Columns N Add Qua	antity 3.92 vork. Red F antity 18.00 crete w Where antity	x ace Brick x all. The Sho	Unit Price 303.74 <- Veneer (6.4/S Unit Price 18.24 rtest Distance Fi	x SF With Ru x	Factor 1.0100 unning Bond) Factor 1.0100 r to Corner Is Factor	= < 3',	Total \$1,202.57 Total \$7,516.34 Total \$159.09	\$1,202.5 \$7,516.3

	CSI Number	Mod.	UOM	Description							Line Total
05 -	Metals										
69	05 05 23 00 0128		EA	1/2" Diameter x 7" L	ona Wed	ge Anchor Expan	sion Bolt				\$251.6
00	00 00 20 00 0120		<u> </u>	Quantity	ong wea	Unit Price	SIGH DOIL	Factor		Total	φ201.0
			Installation	16.00	х	15.57	х	1.0100	=	\$251.61	
	Cont	ractors Note:	Concrete a	anchors for new chair	n link gate	e.					
Categ	ory1: Gate										
70	05 05 23 00 0128	Mod		For Galvanized, Add	d						\$17.2
				Quantity		Unit Price		Factor		Total	
			Installation	18.00	х	0.95	х	1.0100	=	\$17.27	
Categ	jory1: Gate										
71	05 05 23 00 0128	Mod		For Quantities > 10	To 50, De	educt					\$-12.3
				Quantity		Unit Price		Factor		Total	
			Installation	18.00	х	-0.68	х	1.0100	=	\$-12.36	
Categ	jory1: Gate										
72	05 05 23 00 0145		EA	1" Diameter x 9" Lo	ng Wedge	Anchor Expansi	on Bolt				\$333.3
				Quantity		Unit Price		Factor		Total	
			Installation	8.00	х	41.25	х	1.0100	=	\$333.30	
	Cont	ractors Note:	Concrete a	anchors to fasten ger	erator to	concrete pad.					
Categ	ory1: Electric										
73	05 05 23 00 0145	Mod		For Galvanized, Add	t						\$52.7
				Quantity		Unit Price		Factor		Total	
			Installation	8.00	х	6.53	х	1.0100	=	\$52.76	
Categ	ory1: Electric										
74	05 05 23 00 0196		EA	3/8" Concrete Expa	nsion And	hor					\$630.8
			1	Quantity		Unit Price		Factor		Total	
			Installation	00.00	х	10.41	х	1.0100	=	\$630.85	
	Cont	ractors Note:	Concrete a	and masonry anchors	for attac	hing conduit and	unistrut.				
Categ	ory1: Electric										
75	05 05 23 00 0196	Mod		For Quantities > 50	To 100, E	Deduct					\$-59.3
			1	Quantity		Unit Price		Factor		Total	
			Installation	60.00	х	-0.98	х	1.0100	=	\$-59.39	
Categ	ory1: Electric										
Categ	05 05 23 00 0236		EA	3/16" x 1-1/4" Tapco	on Mason	ry Screw					\$532.6
	-			3/16" x 1-1/4" Tapco Quantity		Unit Price		Factor		Total	\$532.6
	05 05 23 00 0236		Installation	3/16" x 1-1/4" Tapco Quantity 64.00	x	Unit Price 8.24	x	Factor 1.0100	=	Total \$532.63	\$532.6
	05 05 23 00 0236		Installation	3/16" x 1-1/4" Tapco Quantity	x	Unit Price 8.24			=		\$532.6
76	05 05 23 00 0236	ractors Note:	Installation	3/16" x 1-1/4" Tapco Quantity 64.00	x	Unit Price 8.24			=		\$532.6
76	05 05 23 00 0236 Cont	ractors Note:	Installation	3/16" x 1-1/4" Tapco Quantity 64.00	x ring to top	Unit Price 8.24 o of concrete wall.			=		
76 Categ	05 05 23 00 0236 Contr Jory1: Masonry		Installation Tapcons fo	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity	x ring to top	Unit Price 8.24 o of concrete wall.		1.0100 Factor		\$532.63 Total	
76 Categ	05 05 23 00 0236 Contr Jory1: Masonry		Installation	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity	x ring to top	Unit Price 8.24 o of concrete wall. Deduct		1.0100		\$532.63	
76 76 Categ 77	05 05 23 00 0236 Contr Jory1: Masonry		Installation Tapcons fo	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity	x ring to top To 100, E	Unit Price 8.24 o of concrete wall. Deduct Unit Price		1.0100 Factor		\$532.63 Total	
76 76 Categ 77	05 05 23 00 0236 Contr Jory1: Masonry 05 05 23 00 0236		Installation Tapcons fo	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00	x ring to top To 100, E x	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated		1.0100 Factor 1.0100		\$532.63 Total \$-52.36	\$-52.3
Categ 77 77 Categ	05 05 23 00 0236 Contr ory1: Masonry 05 05 23 00 0236 ory1: Masonry		Installation Tapcons fo Installation EA	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00 1/4" Diameter Threa Quantity	x ring to top To 100, E x aded Stud	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated Unit Price	x d Anchor	1.0100 Factor 1.0100 Factor	=	\$532.63 Total \$-52.36	\$532.6 \$-52.3 \$1,455.2
76 76 Categ 77 Categ	05 05 23 00 0236 Contr ory1: Masonry 05 05 23 00 0236 ory1: Masonry 05 05 23 00 0265	Mod	Installation Tapcons for Installation EA Installation	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00 1/4" Diameter Threa Quantity 124.00	x ring to top <u>To 100, E</u> x aded Stud x	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated		1.0100 Factor 1.0100	=	\$532.63 Total \$-52.36	\$-52.3
Categ 77 77 Categ 78	05 05 23 00 0236 Contr ory1: Masonry 05 05 23 00 0236 ory1: Masonry 05 05 23 00 0265 Contr	Mod	Installation Tapcons for Installation EA Installation	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00 1/4" Diameter Threa Quantity	x ring to top <u>To 100, E</u> x aded Stud x	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated Unit Price	x d Anchor	1.0100 Factor 1.0100 Factor	=	\$532.63 Total \$-52.36	\$-52.3
Categ 77 77 Categ 78	05 05 23 00 0236 Contr ory1: Masonry 05 05 23 00 0236 ory1: Masonry 05 05 23 00 0265	Mod	Installation Tapcons for Installation EA Installation	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00 1/4" Diameter Threa Quantity 124.00	x ring to top <u>To 100, E</u> x aded Stud x	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated Unit Price	x d Anchor	1.0100 Factor 1.0100 Factor	=	\$532.63 Total \$-52.36	\$-52.3
Categ 77 77 Categ 78	05 05 23 00 0236 Contr ory1: Masonry 05 05 23 00 0236 ory1: Masonry 05 05 23 00 0265 Contr	Mod	Installation Tapcons for Installation EA Installation	3/16" x 1-1/4" Tapco Quantity 64.00 or fastening metal fur For Quantities > 50 Quantity 64.00 1/4" Diameter Threa Quantity 124.00	x ring to top <u>To 100, E</u> x aded Stud x ete wall.	Unit Price 8.24 o of concrete wall. Deduct Unit Price -0.81 Powder Actuated Unit Price 11.62	x d Anchor	1.0100 Factor 1.0100 Factor	=	\$532.63 Total \$-52.36	\$-52.3

Rec#	CSI Numbe	er	Mod.	UOM	Description	Line Tota
05 - N	letals					
80	05 43 00	00 0042		PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	\$620.5
		Contracto	ors Note:	Installatio 3-1/2" rigi	Quantity Unit Price Factor Total n 40.00 x 15.36 x 1.0100 = \$620.54 d conduit clamps. \$620.54 \$620.54	
Catego	ory1: Elec	tric				
Subto	otal for 05	- Metals:				\$3,484.5
ר - 07	Thermal &	Moisture Pr	otectio	n		
81	07 11 19	00 0003		EA	Neoprene Grommets, For Sealing Screw Anchors To Be Attached Through Metal Flashing, Includes Anchor And Drilling	\$288.6
				Installatio	Quantity Unit Price Factor Total	
					45.00 × 0.55 × 1.6100 ¢250.51	
			ors Note:	Metal tast	eners with neoprene washer/grommet to fasten steel wall cap to flashing.	
Catego	ory1: Mas	onry				
82	07 62 00	00 0085		SF	Aluminum Flashing, 0.024" Thick, Mill Finish	\$315.2
				Installatio	Quantity Unit Price Factor Total n 49.00 x 6.37 x 1.0100 = \$315.25	
		Contracto	vrs Noto:		49.00 x 6.37 x 1.0100 = \$315.25 at bottom of wall.	
Catego	ory1: Mas		no note.			
83	07 62 00	00 0107		SF	24 Gauge Galvanized Steel Flashing, Stock, Short	\$308.4
Exclude				0.	Quantity Unit Price Factor Total	<i><i><i></i></i></i>
Labor				Installatio	n 60.00 x 5.09 x 1.0100 = \$308.45	
		Contracto	ors Note:	Steel wall LABOR.	cap on top of walls and wrapped down around wall to match existing. DOES NOT INCLUDE	
Catego	ory1: She	et Metal				
84	07 62 00	00 0107	Mod		For Wrap Around Window Paning, Add	\$318.1
				Installatio	Quantity Unit Price Factor Total n 60.00 x 5.25 x 1.0100 = \$318.15	
		Contracto	ors Note:	'Steel wal LABOR.'	cap on top of walls and wrapped down around wall to match existing. DOES NOT INCLUDE	
Catego	ory1: She	et Metal				
85	07 84 43	00 0009		CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant	\$291.6
					Quantity Unit Price Factor Total	
				Installatio	0.50 x 377.44 x 1.6166 \$221.61	
		Contracto	ors Note:	Fire stopp	ing/caulking as needed to seal penetrations.	
Catego	ory1: Elec	tric				
86	07 92 00	00 0032		CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	\$263.6
				Installatio	Quantity Unit Price Factor Total	
		0			0.92 x 200.75 x 1.6100 \$200.00	
•			ors Note:	Caulking	of flashing and expansion joints.	
Catego	ory1: Mas	onry				
87	07 92 00	00 0035		CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	\$286.5
				Installatio	Quantity Unit Price Factor Total n 0.85 x 333.78 x 1.0100 = \$286.55	
		Contracto	ors Note:		of concrete expansion joints.	
Categ	orv1: Evo	avation/Conci				

Rec#	CSI Number	Mod.	UOM	Descripti	on							Line Total
09 - I	inishes											
88	09 22 13 00 0	025	SF		eg Resilien ' On Center		, 25 Gauge, R	C2 Furring	Channel, Instal	led On		\$190.39
					Quantity		Unit Price	1	Factor		Total	
			Installatior		65.00	х	2.90	x	1.0100	=	\$190.39	
		Contractors Note:	Furring on	top of wal	l to fasten s	teel cap t	0.					
Categ	ory1: Masonry											
89	09 84 13 00 0	002	SF	3" Perfora Or Minera	al Filler	Sound Ab			Back With Fib	erglass		\$2,718.84
			Installation	_	Quantity		Unit Price		Factor	_	Total	
		. . .	Installation		506.00	X	5.32		1.0100		\$2,718.84	
		Contractors Note:	Use for fa	ctory instal	led sound c	leadening	insulation/pan	iels, and qu	liet exhaust fea	tures.		
Categ	ory1: Electric											
90	09 91 13 00 0	332	LF	Paint Cor	nduit, Steel	Pipe 1/2"	To 1-1/2" Dian	neter, One	Coat Primer			\$279.97
			Installation	_	Quantity		Unit Price		Factor	_	Total	
			Installation		220.00	x	1.26	x	1.0100	=	\$279.97	
		Contractors Note:	Prime con	duit.								
Categ	ory1: Electric											
91	09 91 13 00 0	333	LF	Paint Cor	nduit, Steel	Pipe 2" T	o 3-1/2" Diame	ter, One C	oat Primer			\$569.64
					Quantity		Unit Price		Factor		Total	
			Installation		400.00	х	1.41	х	1.0100	=	\$569.64	
		Contractors Note:	Prime con	duit.								
Categ	ory1: Electric											
92	09 91 13 00 0	342	LF	Paint Cor	nduit, Steel	Pipe 1/2"	To 1-1/2" Dian	neter, Two	Coats			\$548.83
					Quantity		Unit Price		Factor		Total	
			Installation		220.00	х	2.47	' x	1.0100	=	\$548.83	
		Contractors Note:	Paint cond	duit to mate	ch existing.							
Categ	ory1: Electric											
93	09 91 13 00 0	343	LF	Paint Cor	nduit, Steel	Pipe 2" T	o 3-1/2" Diame	eter, Two C	oats			\$1,135.24
					Quantity		Unit Price		Factor		Total	
			Installation		400.00	x	2.81	х	1.0100	=	\$1,135.24	
		Contractors Note:	Paint cond	buit to mate	ch existing.							
Categ	ory1: Electric											
Subto	otal for 09 - Fin	ishos.										\$5,442.9
			So maliti o m		A C)							φ0,-+ <u>2</u> .0
23 - 1	reating, ventila	ating, And Air-O	onation	ing (HV	AC)							
94	23 09 23 00 0	009	HR	EMCS O	-	em Diagn	ostics Field Tee					\$1,531.08
			Installatior		Quantity		Unit Price		Factor	_	Total \$1,531.08	
		0			8.00	X	189.49		1.0100			
. .		Contractors Note:	resung, si	an up anu	vernication	by quain		chinicial of	manufacturer f	epresentative.	One day.	
Categ	ory1: Electric											
95	23 13 23 13 0	126	EA						d Control Modu			\$10,984.69
							• • •		t switch, electro	nic		
				control m	Quantity	inniditor	coated interior a Unit Price		Factor		Total	
			Installation	า	1.00	x	10,875.93		1.0100	=	\$10,984.69	
		0	E set te sta				,					
		Contractors Note:	Fuel tank	for generat	or. Tank w	III be 850	galions, nowe	ver 850 gai	lon tank not in (JIC. FILLING	J OF FUEL	

Rec#	CSI Number	Mod.	UOM	Description		Line Total
23 -	Heating, Vent	tilating, And Air-	Condition	ng (HVAC)		
96	23 13 33 0	0 0002	EA	ill Pipe Spill Containment Manhole (5 Gallon)		\$360.3
	20 10 00 0			Quantity Unit Price Factor	Total	<i><i><i></i></i></i>
			Installation	1.00 X 356.80 X 1.0100 =	\$360.37	
		Contractors Note:	Spill manh	e for fuel tank.		
Categ	ory1: Electri	c				
97	23 13 33 0	0 0003	EA	Over-Fill Prevention Valve		\$508.0
			Installation	Quantity Unit Price Factor	Total \$508.03	
		Contractors Note:		1.00 X 503.00 X 1.0100 =	\$506.03	
•		Contractors Note:	Over-ini pi			
Categ	ory1: Electri	C				
98	23 13 33 0	0 0007	EA	Reservoir Sensor, Liquid Level	T . (!	\$178.4
			Installation	Quantity Unit Price Factor 1.00 x 176.70 x 1.0100 =	Total \$178.47	
		Contractors Note:	l iquid leve			
Categ	ory1: Electri					
99	23 13 33 0	0 0011	EA	/ent Cap, 2" Quantity Unit Price Factor	Total	\$74.6
			Installation	$1.00 \times 73.95 \times 1.0100 =$	\$74.69	
		Contractors Note:	Vent cap for			
Cateo	ory1: Electri	c	-			
Subt	otal for 23 - H	leating, Ventilatir	ng, And A	-Conditionir	\$	13,637.3
r	otal for 23 - H Electrical	leating, Ventilatin	ng, And A	-Conditionir	\$	13,637.3
r	Electrical		-		\$	-
26 -			n g, And A EA	-Conditionir .ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor	\$ Total	-
26 -	Electrical		-	.ock Out/Tag Out Breaker Or Motor Starter		
26 -	Electrical	0 0003	EA	ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor	Total	
26 - 1 100	Electrical	0 0003	EA	ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 =	Total	-
26 - 1 100	Electrical 26 01 20 0	0 0003 Contractors Note:	EA	ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 =	Total	\$86.69
26 - 1 100 Categ	Electrical 26 01 20 00 ory1: Electric	0 0003 Contractors Note:	EA Installation Lock out /	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work.	Total \$86.69 Total	\$86.69
26 - 1 100 Categ	Electrical 26 01 20 00 ory1: Electric	0 0003 Contractors Note: c 0 0005	EA Installation Lock out / EA Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work.	Total \$86.69	\$86.69
26 - 1 100 Categ	Electrical 26 01 20 00 ory1: Electric	0 0003 Contractors Note: c 0 0005	EA Installation Lock out / EA Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work.	Total \$86.69 Total	\$86.69
26 - 1 100 Categ 101	Electrical 26 01 20 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note:	EA Installation Lock out / EA Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work.	Total \$86.69 Total	13,637.3 \$86.69 \$128.60
26 - 1 100 Categ 101	Electrical 26 01 20 00 ory1: Electric 26 01 20 00	Contractors Note: C 0 0005 C 0 0005 C 0 0005 Note: C 0	EA Installation Lock out / EA Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work.	Total \$86.69 Total	\$86.69
26 - 1 100 Categ 101 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric	Contractors Note: C 0 0005 C 0 0005 C 0 0005 Note: C 0	EA Installation Lock out / EA Installation Trace exis MLF	cock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor Quantity Unit Price Factor ag circuits as needed to connect generator to main switch gear. ag out for elector 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Quantity Unit Price Factor	Total \$86.69 Total \$128.63 Total	\$86.69
26 - 1 100 Categ 101 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053	EA Installation Lock out / EA Installation Trace exis MLF Installation	cock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. =	Total \$86.69 Total \$128.63	\$86.69
26 - 1 100 Categ 101 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note:	EA Installation Lock out / EA Installation Trace exis MLF Installation	cock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. =	Total \$86.69 Total \$128.63 Total	\$86.69
26 - 1 100 Categ 101 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note:	EA Installation Lock out / EA Installation Trace exis MLF Installation	cock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. =	Total \$86.69 Total \$128.63 Total	\$86.69
26 - 1 100 Categ 101 Categ 102	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation	ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. ag outfity Unit Price Factor Guantity Quantity Unit Price Factor ag outfity Quantity Unit Price Factor Guantity Quantity Unit Price Factor ag outfity Quantity Init Price Factor go of the second conductor ag outfity Quantity Init Price Factor go of the second conductor go of the second conductor go of the second conductor ag outfity Quantity Init Price Factor go of the second conductor	Total \$86.69 Total \$128.63 Total \$4,857.79	\$86.69 \$128.63 \$4,857.79
26 - 1 100 Categ 101 Categ 102 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. = Existing Circuit Tracing Per Device Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. = = = 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor 0.55 x $8,744.89$ x 1.0100 = ulled in conduit. ag out for electrical in Conduit, Shielded, Single Conductor = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = =	Total \$86.69 Total \$128.63 Total \$4,857.79 Total	\$86.6 \$128.6 \$4,857.7
26 - 1 100 Categ 101 Categ 102 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. = Existing Circuit Tracing Per Device Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. = = = 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor 0.55 x $8,744.89$ x 1.0100 = ulled in conduit. = = = = = 600 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 1.66 x $17,808.42$ x 1.0100 =	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60	\$86.6 \$128.6 \$4,857.7
26 - 1 100 Categ 101 Categ 102 Categ	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. = Existing Circuit Tracing Per Device Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. = = = 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor 0.55 x $8,744.89$ x 1.0100 = ulled in conduit. ag out for electrical in Conduit, Shielded, Single Conductor = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = =	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60	\$86.69 \$128.63 \$4,857.79
26 - 1 100 Categ 101 Categ 102 Categ 103	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation 500 MCM	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. = Existing Circuit Tracing Per Device Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. = = = 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor 0.55 x $8,744.89$ x 1.0100 = ulled in conduit. = = = = = 600 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 1.66 x $17,808.42$ x 1.0100 =	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60	\$86.69
26 - 1 100 Categ 101 Categ 102 Categ 103	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c 0 0057 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation 500 MCM conduit.	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor $3.00 \times 28.61 \times 1.0100 =$ ag out for electrical work. ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor $0.00 \times 15.92 \times 1.0100 =$ ag out for electrical work. ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor $0.00 \times 15.92 \times 1.0100 =$ ag out for electrical to connect generator to main switch gear. ag out for electrical to conduct generator to main switch gear. B3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor $0.55 \times 8,744.89 \times 1.0100 =$ ulled in conduit. ulled in conduit. ag out for electrical to conduct. ag out for electrical to conduct. $0.00 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor ag out for electrical to transfer switch to main panel. 4 cables in the form generator to transfer switch to main panel. 4 cables in the form of the form generator to transfer switch to main panel. 4 cables in the form of the form generator to transfer switch to main panel. 4 cables in the form of the form of the form of the form generator to transfer switch to main panel. 4 cables in the form of th$	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60	\$86.69 \$128.65 \$4,857.79 \$29,857.60
26 - 1 100 Categ 101 Categ 102 Categ 103	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric 26 05 13 00	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c 0 0057 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation 500 MCM conduit.	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor 3.00 x 28.61 x 1.0100 = ag out for electrical work. ag out for electrical work. ag out for electrical work. = Existing Circuit Tracing Per Device Quantity Unit Price Factor 8.00 x 15.92 x 1.0100 = ag circuits as needed to connect generator to main switch gear. = = = 3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor Quantity Unit Price Factor 0.55 x $8,744.89$ x 1.0100 = ulled in conduit. = = = = = 600 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Conductor = = = 1.66 x $17,808.42$ x 1.0100 =	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60 each 3-1/2" Total	\$86.6 \$128.6 \$4,857.7
26 - 1 100 Categ 101 Categ 102 Categ 103	Electrical 26 01 20 00 ory1: Electric 26 01 20 00 ory1: Electric 26 05 13 00 ory1: Electric 26 05 13 00 ory1: Electric	0 0003 Contractors Note: c 0 0005 Contractors Note: c 0 0053 Contractors Note: c 0 0057 Contractors Note: c	EA Installation Lock out / EA Installation Trace exis MLF Installation #3/0 cable MLF Installation 500 MCM conduit.	.ock Out/Tag Out Breaker Or Motor Starter Quantity Unit Price Factor $3.00 \times 28.61 \times 1.0100 =$ ag out for electrical work. ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor $0.00 \times 15.92 \times 1.0100 =$ ag out for electrical work. ag out for electrical work. Existing Circuit Tracing Per Device Quantity Unit Price Factor $0.00 \times 15.92 \times 1.0100 =$ ag out for electrical to connect generator to main switch gear. ag out for electrical volume Big circuits as needed to connect generator to main switch gear. ag out for electrical volume ag out for electrical volume Big circuits as needed to connect generator to main switch gear. ag out for electrical volume ag out for electrical volume Big circuits as needed to connect generator to main switch gear. ag out for electrical volume ag out for electrical volume Big circuits as needed to connect generator to main switch gear. ag out for electrical volume factor Big circuits as needed to connect generator to conduit, Shielded, Single Conductor Quantity Unit Price Factor Big circuits as needed to conduit, Shielded in conduit factor factor factor factor	Total \$86.69 Total \$128.63 Total \$4,857.79 Total \$29,857.60 each 3-1/2"	\$86.6 \$128.6 \$4,857.7 \$29,857.6

Rec#	CSI Numbe	r Mod.	UOM	Description							Line Total
26 -	Electrical										
105	26 05 29	00 0004	LF	1-5/8" Wide x 1-5/8"	Hiah 14	Gauge Steel Un	istrut Cha	nnel			\$1,192.8
				Quantity	<u></u>	Unit Price		Factor		Total	+ .,
			Installation	n 100.00	х	11.81	х	1.0100	=	\$1,192.81	
		Contractors Note:	Unistrut ra	acks mounted to maso	nry to su	pport conduit runs	s from ge	nerator to trans	fer switch.		
Categ	ory1: Elect	ric									
106	26 05 33	00 0468	LF	1-1/4" RGS Conduit	With Cou	uplina. Mounted E	xposed (Dn Flat Wall			\$842.34
	20 00 00			Quantity		Unit Price		Factor		Total	¢0.2.0
			Installation	n 100.00	х	8.34	х	1.0100	=	\$842.34	
		Contractors Note:	(2) 1-1/4"	rigid conduit run from	generato	r to transfer switc	h and ma	in panel for cor	ntrols.		
Categ	ory1: Elect	ric									
107	26 05 33	00 0473	LF	3-1/2" RGS Conduit	With Cou	upling. Mounted E	xposed (Dn Flat Wall			\$11,740.24
				Quantity		Unit Price		Factor		Total	••••
			Installation	n 400.00	х	29.06	х	1.0100	=	\$11,740.24	
		Contractors Note:	(3) 3-1/2"	ridid conduit run from	generato	r to transfer switc	h and to	main switch gea	ar.		
Categ	ory1: Elect	ric									
108	26 05 33	00 0473 Mod		For Quantities > 250	To 500 (> 76 2 m To 152	4 m) De	duct			\$-234.3
100	20 03 33			Quantity	10 500 (Unit Price	. - 111), DC	Factor		Total	ψ-204.0
			Installation	n 400.00	x	-0.58	x	1.0100	=	\$-234.32	
Categ	ory1: Elect	ric									
109	26 05 33	00 0486	EA	3-1/2" RGS 90 Degr	ee Elbow	,					\$1,642.8
100	20 00 00			Quantity		Unit Price		Factor		Total	ψ1,012.0
			Installation	n 12.00	х	135.55	х	1.0100	=	\$1,642.87	
		Contractors Note:	Rigid 3-1/	2" 90 degree elbows.							
Categ	ory1: Elect	ric									
110	26 05 33	00 0533	EA	1-1/4" RGS Box Cor	nector li	nsulated With Set	Screw				\$86.2
	20 00 00			Quantity		Unit Price		Factor		Total	
			Installation	n 4.00	х	21.36	х	1.0100	=	\$86.29	
		Contractors Note:	Box conne	ectors for 1-1/4" condu	uits.						
Categ	ory1: Elect	ric									
111	26 05 33	00 0538	EA	3-1/2" RGS Box Cor	nector l	nsulated With Set	Screw				\$2,357.22
	20 00 00			Quantity		Unit Price		Factor		Total	φ <u>2</u> ,001.21
			Installatio	n 18.00	х		х	1.0100	=	\$2,357.22	
				18.00	~	129.66	~				
		Contractors Note:		ectors for 3-1/2" condu	uits. 3 co				tch = 6. 6 cor	nduits run	
0-4				10.00	uits. 3 co				tch = 6. 6 cor	nduits run	
Categ	ory1: Elect			ectors for 3-1/2" condu	uits. 3 co				tch = 6. 6 cor	nduits run	
Categ 112	ory1: Elect	ric		ectors for 3-1/2" condu sfer switch to main par 1-1/4" RGS Type LB	uits. 3 co nel = 12.	nduits run from di R 2 Hub Conduit	isconnect	to transfer swir	tch = 6. 6 cor		\$307.9
	•	ric	from trans	ectors for 3-1/2" condu sfer switch to main par 1-1/4" RGS Type LB Quantity	uits. 3 co nel = 12. 3, LL Or L	nduits run from di <u>R 2 Hub Conduit</u> Unit Price	isconnect Body Wit	to transfer swith h Cover Factor		Total	\$307.9
	•	ric 00 0546	from trans	ectors for 3-1/2" condu sfer switch to main par 1-1/4" RGS Type LB Quantity n 4.00	uits. 3 co nel = 12.	nduits run from di R 2 Hub Conduit	isconnect	to transfer swir			\$307.9
112	26 05 33	ric 00 0546 Contractors Note:	from trans	ectors for 3-1/2" condu sfer switch to main par 1-1/4" RGS Type LB Quantity n 4.00	uits. 3 co nel = 12. 3, LL Or L	nduits run from di R 2 Hub Conduit Unit Price	isconnect Body Wit	to transfer swith h Cover Factor		Total	\$307.9
112	•	ric 00 0546 Contractors Note:	from trans	ectors for 3-1/2" condu sfer switch to main par 1-1/4" RGS Type LB Quantity n 4.00	uits. 3 co nel = 12. 3, LL Or L	nduits run from di R 2 Hub Conduit Unit Price	isconnect Body Wit	to transfer swith h Cover Factor		Total	\$307.97
112	26 05 33	ric 00 0546 Contractors Note: ric	from trans	1-1/4" RGS Type LB Quantity n 4.00 -1/4" conduit runs.	uits. 3 co nel = 12. 3, <u>LL Or L</u> x	nduits run from di <u>R 2 Hub Conduit</u> Unit Price 76.23 <u>R 2 Hub Conduit</u>	isconnect Body Wit x	h Cover Factor 1.0100 h Cover		Total \$307.97	
112 Categ	26 05 33	ric 00 0546 Contractors Note: ric	From trans	13.00 ectors for 3-1/2" conduster switch to main par 1-1/4" RGS Type LB Quantity n 4.00 -1/4" conduit runs. 3-1/2" RGS Type LB Quantity Quantity	uits. 3 co nel = 12. 3, <u>LL Or L</u> x	nduits run from di <u>R 2 Hub Conduit</u> Unit Price 76.23	isconnect Body Wit x	to transfer swith h Cover Factor 1.0100	=	Total	\$307.97 \$2,371.10

Rec#	CSI Number	Mod.	UOM	Description							Line Total
26 - 1	Electrical										
114	26 05 33 00	0646	EA	1/2" RGS Conduit Se	aling Fitti	ing Vertical/Horiz	zontal				\$52.6
			Installation	Quantity		Unit Price		Factor	_	Total	
		0		1.00	Х	52.14	X	1.0100	-	\$52.66	
			Seal penetra	ations in exterior wall	around d	conduit. Link sea	aı.				
Categ	ory1: Electric	;									
115	26 05 33 00	0649	EA	1-1/4" RGS Conduit	Sealing F		orizontal				\$176.6 ⁻
			Installation	Quantity		Unit Price		Factor 1.0100	-	Total \$176.61	
		Contractore Note:		2.00	X	87.43	X	1.0100		φ170.01	
. .			Seal perieti	ations in exterior wall		Conduit. Link sea	aı.				
Categ	ory1: Electric	;									
116	26 05 33 00	0 0654	EA :	3-1/2" RGS Conduit S	Sealing F	-	orizontal	Fast		T_4-1	\$1,361.5
			Installation	Quantity	x	Unit Price 449.35	x	Factor 1.0100	=	Total \$1,361.53	
		Contractors Note:		3.00 etrations in exterior v				1.0100		¢1,001.00	
• • • •			ocaling peri				Seal.				
Categ	ory1: Electric	;									
117	26 05 33 00	0711	LF	1/2" EMT Conduit, M	ounted E		Wall	Fastas			\$407.23
			Installation	Quantity	x	Unit Price 3.36	x	Factor 1.0100	=	Total \$407.23	
		Contractora Nota		120.00 to 911 center for cor						φ -101.20	
•			Conduit full			g to remote ann					
Categ	ory1: Electric	;									
118	26 05 33 00	0711 Mod		For Installation Above	e 14', Ado			Frates		T-1-1	\$14.24
			Installation	Quantity 30.00	x	Unit Price 0.47	x	Factor 1.0100	=	Total \$14.24	
Categ	ory1: Electric			30.00	^	0.47	~	1.0100		ψ11. <u></u>	
	•										
119	26 05 33 00	00733	EA	1/2" EMT Set Screw Quantity	Coupling	Unit Price		Factor		Total	\$36.5
			Installation	10.00	х	3.62	x	1.0100	=	\$36.56	
		Contractors Note:	Conduit cou			0.02					
Categ	ory1: Electric										
	•										
120	26 24 13 00	0 0279	EA	Short Time Delay Se Quantity	lective Ir	<u>IP - Factory Insta</u> Unit Price	alled	Factor		Total	\$441.1
			Installation	1.00	х	436.80	x	1.0100	=	\$441.17	
		Contractors Note:	Time delay	device required to ha							
Cateo	ory1: Electric	•		·	0						
	-		-				D 0 ¹				
121	26 24 16 00	0509	EA (600 V AC/DC Panelb Quantity	oard With	n 10 - 30 Amp, 4 Unit Price	Pole, Cir	Cuit Breakers Factor		Total	\$880.54
			Installation	0.00	х	8,411.09	x	1.0100	=	\$0.00	
			Demolition	2.00	x	435.91	x	1.0100	=	\$880.54	
		Contractors Note:	Use for dem	no of existing panels	mounted	on wall behind e	existing ge	enerator in elec	tric room.		
Cateo	ory1: Electric	2									
	-						in at Day				* 507.0
122	26 24 19 00		EA I	Provisions For Bus D Quantity	uct Entra	Unit Price	met Prov	ISIONS Factor		Total	\$507.24
			1						-		
			Installation	1.00	х	502.22	х	1.0100		\$507.24	

Rec#	CSI Number	Mod.	UOM	Description								Line Total
26 - I	Electrical											
123	26 25 00 00 01	04	LF	1350 Amp Bus Supports	s Duct 27	7/480 V	', 3 Phase, 4 W	ire Coppe	er Conductors,	With		\$4,782.86
				Qua	ntity		Unit Price		Factor		Total	
			Installation		7.00	x	676.50	x	1.0100		\$4,782.86	
		ontractors Note:		opper buss deta ke apart/ tie into								
ateg	ory1: Electric											
124	26 25 00 00 01	04 Mod		For Quantities		5 (< 7.6	m), Add Unit Price		Factor		Total	\$854.11
			Installation	Qua n ,	5.00	x	169.13	x	1.0100	=	\$854.11	
	C	ontractors Note:	'Custom c	opper buss deta								
	-			ke apart/ tie into								
Categ	ory1: Electric											
125	26 28 16 00 02	05	EA	1200 A Fused 3 Phase	Disconn	ect Swit	ch, NEMA 3R,	Heavy Du	ity, With Fuses	, 600 V,		\$10,484.52
				Qua	ntity		Unit Price		Factor		Total	
			Installation		1.00	х	10,380.71	х	1.0100	=	\$10,484.52	
	C	ontractors Note:	1200 A fu	sed weather pro	of discor	nnect at	generator.					
Categ	ory1: Electric											
126	26 32 13 13 00	16	EA	350 KW, Diese Base	el Genera	ator Set,	3 Phase Witho	out Piping	, Wiring Or Cor	ncrete		\$74,118.77
			Installatio	Qua	ntity		Unit Price		Factor	_	Total	
	_		Installation		1.00	х	73,384.92	x	1.0100	=	\$74,118.77	
	C	ontractors Note:	350 KW D	liesel Generator								
Categ	ory1: Electric											
2ateg 127		07	EA		al Gas G	enerator		Without P	Piping, Wiring O	r		\$2,603.42
	ory1: Electric	07		50 KW, Natura Concrete Base Qua	al Gas G e ntity		Unit Price		Factor		Total	\$2,603.42
	ory1: Electric	07	Installation	50 KW, Natura Concrete Base Qua	al Gas G e ntity 0.00	x	Unit Price 20,155.40	x	Factor 1.0100	=	\$0.00	\$2,603.42
	ory1: Electric 26 32 13 19 00		Installation Demolition	50 KW, Natura Concrete Base Qua n (al Gas G e ntity 0.00 1.00		Unit Price		Factor	=		\$2,603.42
127	ory1: Electric 26 32 13 19 00 Ca	07 ontractors Note:	Installation Demolition	50 KW, Natura Concrete Base Qua n (al Gas G e ntity 0.00 1.00	x	Unit Price 20,155.40	x	Factor 1.0100	=	\$0.00	\$2,603.42
127	ory1: Electric 26 32 13 19 00 Cr ory1: Electric	ontractors Note:	Installation Demolition	50 KW, Natura Concrete Base Qua n (al Gas G e ntity 0.00 1.00	x	Unit Price 20,155.40	x	Factor 1.0100	=	\$0.00	
127	ory1: Electric 26 32 13 19 00 Ca	ontractors Note:	Installation Demolition	50 KW, Natura Concrete Base Qua n (n existing generato Generator Enco	al Gas G e ntity 0.00 1.00 or.	x x	Unit Price 20,155.40 2,577.64 Resistant, > 10	x x	Factor 1.0100 1.0100 KW	=	\$0.00 \$2,603.42	
127 Categ	ory1: Electric 26 32 13 19 00 Cr ory1: Electric	ontractors Note:	Installation Demolition Remove e EA	50 KW, Natura Concrete Base Qua n (existing generator Generator Enc Qua	al Gas Go ntity 0.00 1.00 pr. closure, V	x x Weather	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price	x x 05 To 200	Factor 1.0100 1.0100 KW Factor	=	\$0.00 \$2,603.42 Total	
127 Categ	ory1: Electric 26 32 13 19 00 Cr ory1: Electric 26 32 13 23 00	ontractors Note:	Installation Demolition Remove e EA Installation	50 KW, Natura Concrete Base Qua n (existing generator Generator Enc Qua n	al Gas G e ntity 0.00 1.00 or.	x x	Unit Price 20,155.40 2,577.64 Resistant, > 10	x x	Factor 1.0100 1.0100 KW	=	\$0.00 \$2,603.42	
127 Categ 128	ory1: Electric 26 32 13 19 00 Cr ory1: Electric 26 32 13 23 00 Cr	ontractors Note:	Installation Demolition Remove e EA Installation	50 KW, Natura Concrete Base Qua n (existing generator Generator Enc Qua n	al Gas Go ntity 0.00 1.00 pr. closure, V	x x Weather	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price	x x 05 To 200	Factor 1.0100 1.0100 KW Factor	=	\$0.00 \$2,603.42 Total	
127 Categ 128	ory1: Electric 26 32 13 19 00 Cr ory1: Electric 26 32 13 23 00	ontractors Note:	Installation Demolition Remove e EA Installation	50 KW, Natura Concrete Base Qua n (existing generato Generator Enc Qua n .	al Gas G ntity 0.00 1.00 or. closure, V ntity 1.00	x x Weather x	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01	x x 05 To 200 x	Factor 1.0100 1.0100 KW Factor 1.0100	=	\$0.00 \$2,603.42 Total	\$2,603.42 \$3,404.72
127 Categ 128	ory1: Electric 26 32 13 19 00 Cr ory1: Electric 26 32 13 23 00 Cr	ontractors Note:	Installation Demolition Remove e EA Installation	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n . nclosure <5 KVA, 30 Mi Lead Wet, Full	al Gas G mtity 0.00 1.00 or. closure, V ntity 1.00 inutes, U I Output	x x <u>Neather</u> x	Unit Price 20,155.40 2,577.64 <u>Resistant, > 10</u> Unit Price 3,371.01	x x 05 To 200 x	Factor 1.0100 1.0100 <u>KW</u> Factor 1.0100 ery System Wit	=	\$0.00 \$2,603.42 Total \$3,404.72	\$3,404.72
127 Categ 128 Categ	ory1: Electric 26 32 13 19 00 Cr ory1: Electric 26 32 13 23 00 Cr ory1: Electric	ontractors Note:	Installation Demolition Remove e EA Installation Exterior en EA	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n closure <5 KVA, 30 Mi Lead Wet, Full Qua	al Gas G ntity 0.00 1.00 pr. closure, V ntity 1.00 inutes, U <u>I Output</u> ntity	x x <u>Neather</u> x ninterru Load	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup	x x 05 To 200 x	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor	= = = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72	\$3,404.72
127 Categ 128 Categ	ory1: Electric 26 32 13 19 00 Cr Cr Cr Cr 26 32 13 23 00 26 32 13 23 00 Cr Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr Cr 26 33 53 00 00	ontractors Note: 03 ontractors Note: 74	Installation Demolition Remove e EA Installation EA Installation	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n closure <5 KVA, 30 Mi Lead Wet, Full Qua	al Gas G mtity 0.00 1.00 or. closure, V ntity 1.00 inutes, U I Output	x x <u>Neather</u> x	Unit Price 20,155.40 2,577.64 <u>Resistant, > 10</u> Unit Price 3,371.01	x x 05 To 200 x	Factor 1.0100 1.0100 <u>KW</u> Factor 1.0100 ery System Wit	= = = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72	\$3,404.72
127 127 128 128 129	ory1: Electric 26 32 13 19 00 cr cr cr cr cr ory1: Electric 23 00 cr 26 32 13 23 00 cr cr cr cr cr ory1: Electric cr cr 26 33 53 00 00 cr cr cr cr cr	ontractors Note:	Installation Demolition Remove e EA Installation EA Installation	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n closure <5 KVA, 30 Mi Lead Wet, Full Qua	al Gas G ntity 0.00 1.00 pr. closure, V ntity 1.00 inutes, U <u>I Output</u> ntity	x x <u>Neather</u> x ninterru Load	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup	x x 05 To 200 x	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor	= = = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72	\$3,404.72
127 127 128 128 129	ory1: Electric 26 32 13 19 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 33 53 00 00 Cr Cr Cr Cr Ory1: Electric Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr <	ontractors Note: 03 ontractors Note: 74 ontractors Note:	Installation Demolition Remove e EA Installation Exterior en EA Installation Generator	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n . closure <5 KVA, 30 Mi Lead Wet, Full Qua n . batteries.	al Gas Ge ntity 0.00 1.00 or. closure, V ntity 1.00 inutes, U I Output 1.00	x X Neather x Ininterru Load	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup Unit Price 2,095.40	x x 05 To 200 x pply, Batte	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor 1.0100	= = = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72	\$3,404.72 \$2,116.35
127 127 128 128 129	ory1: Electric 26 32 13 19 00 cr cr cr cr cr ory1: Electric 23 00 cr 26 32 13 23 00 cr cr cr cr cr ory1: Electric cr cr 26 33 53 00 00 cr cr cr cr cr	ontractors Note: 03 ontractors Note: 74 ontractors Note:	Installation Demolition Remove e EA Installation EA Installation	50 KW, Natura Concrete Base Qua n () existing generato Existing generator Qua n Qua n () conclosure <5 KVA, 30 Mi Lead Wet, Full Qua n () batteries.	al Gas Ge ntity 0.00 1.00 or. closure, V ntity 1.00 inutes, U 1 Output 1.00 atic Trans rammabl	x x Weather x Ininterru Load x	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup Unit Price 2,095.40 tch, 120/240 V,	x x 05 To 200 x pply, Batte	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor 1.0100 2 Pole Circuit	= = = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72 Total \$2,116.35	\$3,404.72 \$2,116.35
127 127 Categ 128 128 129 Categ	ory1: Electric 26 32 13 19 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 33 53 00 00 Cr Cr Cr Cr Ory1: Electric Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr <	ontractors Note: 03 ontractors Note: 74 ontractors Note:	Installation Demolition Remove e EA Installation Exterior en Generator EA	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n . closure <5 KVA, 30 Mi Lead Wet, Full Qua n . batteries.	al Gas Ge ntity 0.00 1.00 or. closure, V ntity 1.00 inutes, U I Output ntity 1.00 atic Trans rammabl ntity	x x Weather x Ininterru Load x sfer Swite e, 3 Win	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup Unit Price 2,095.40 tch, 120/240 V, e Unit Price	x x 05 To 200 x oply, Batte x NEMA 1,	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor 1.0100 2 Pole Circuit Factor	= = h Rack,	\$0.00 \$2,603.42 Total \$3,404.72 Total \$2,116.35	\$3,404.72 \$2,116.35
127 127 Categ 128 128 129 Categ	ory1: Electric 26 32 13 19 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 32 13 23 00 Cr Cr Cr Cr 26 33 53 00 00 Cr Cr Cr Cr Ory1: Electric Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr Cr <	ontractors Note: 03 ontractors Note: 74 ontractors Note:	Installation Demolition Remove e EA Installation Exterior en EA Installation Generator	50 KW, Natura Concrete Base Qua n () existing generato Generator Enc Qua n .	al Gas Ge ntity 0.00 1.00 or. closure, V ntity 1.00 inutes, U 1 Output 1.00 atic Trans rammabl	x x Weather x Ininterru Load x	Unit Price 20,155.40 2,577.64 Resistant, > 10 Unit Price 3,371.01 pted Power Sup Unit Price 2,095.40 tch, 120/240 V,	x x 05 To 200 x pply, Batte	Factor 1.0100 1.0100 KW Factor 1.0100 ery System Wit Factor 1.0100 2 Pole Circuit	= = = h Rack, =	\$0.00 \$2,603.42 Total \$3,404.72 Total \$2,116.35	

Rec# CSI Number	Mod. UOM	Description						Line Total
26 - Electrical								
	E A		Francés a Cruit	ah 2 Dala Wit	h Cuuitaha			¢00.004.0
131 26 36 23 00 0050	EA	1200 A, Automatic With Inphase Monite			n Switche	d Neutral Contactor		\$29,094.0
	Installat	Quantity		Unit Price		Factor	Total \$29,094.08	
Contrac		1.00	x tor Switch-c	28,806.02	x t night or (1.0100 = on weekend during slow		
Contrac		vorking hours)			t night of t			
Category1: Electric								
Subtotal for 26 - Electrical	:						\$13	88,354.9
27 - Communications								
132 27 14 13 16 0269	MLF	2 Pair #12 AWG, So Communications Ca		age, Placed Ir	n Conduit,	Alarm And		\$319.8
	Installat	Quantity		Unit Price		Factor	Total	
Contrac		0.12 age wire pulled from ge	X Anerator to re	2,638.66	X ator nanel	1.0100 =	\$319.81	
Category1: Electric								
Subtotal for 27 - Commun	ications:							\$319.8
28 - Electronic Safety And	d Security							
133 28 31 23 00 0004	EA	Remote LCD Comn LCD display, CPU a separately.				,		\$736.2
		Quantity					T - 4 - 1	
		•		Unit Price		Factor	Total	
• •	Installat	ion 1.00	x	728.91	x	1.0100 =	\$736.20	
		ion 1.00		728.91			\$736.20	
Contrac Category1: Electric		ion 1.00		728.91		1.0100 =	\$736.20	
Category1: Electric	tors Note: Remote	annunciator panel for g		728.91		1.0100 =	\$736.20	\$736.2
	tors Note: Remote	annunciator panel for g		728.91		1.0100 =	\$736.20	\$736.2
Category1: Electric Subtotal for 28 - Electronie	tors Note: Remote	annunciator panel for g curity: #7 Stone Aggregate	generator. M	728.91 ounted in 911 #4)		1.0100 = at owner specified locat	\$736.20 ion.	•
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork	tors Note: Remote	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity	enerator. M	728.91 ounted in 911 #4) Unit Price	center or	1.0100 = at owner specified location Factor	\$736.20 ion. Total	\$736.2 \$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009	c Safety And Se	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00	enerator. M Fill (1/2" To X	728.91 ounted in 911 #4) Unit Price 26.14	x center or	1.0100 = at owner specified locati Factor 1.0100 =	\$736.20 ion.	•
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac	c Safety And Se CY Installat ctors Note: Stone s	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity	enerator. M Fill (1/2" To X	728.91 ounted in 911 #4) Unit Price 26.14	x center or	1.0100 = at owner specified locati Factor 1.0100 =	\$736.20 ion. Total	•
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac	c Safety And Se CY Installat ctors Note: Stone s	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a	enerator. M Fill (1/2" To x nd backfill sto	728.91 ounted in 911 #4) Unit Price 26.14 one around for	x x undation w	1.0100 = at owner specified locat Factor 1.0100 = <i>r</i> all on both sides.	\$736.20 ion. Total	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Con	c Safety And Se CY Installat crete EA	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity	enerator. M Fill (1/2" To x nd backfill sto	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price	x x undation w	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor	\$736.20 ion. Total \$818.44 Total	•
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Contrac 135 31 13 13 00 0007	c Safety And Se CY Installat crete EA Installat	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00	enerator. M Fill (1/2" To x nd backfill sto	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm	x x undation w	1.0100 = at owner specified locat Factor 1.0100 = <i>r</i> all on both sides.	\$736.20 ion. Total \$818.44	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac	c Safety And Se CY Installat crete EA	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price	x x undation w	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor	\$736.20 ion. Total \$818.44 Total	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac Contrac	c Safety And Se CY Installat tors Note: Stone si crete EA Installat tors Note: Remove	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 3 tree stumps	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15 x	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54	x undation w) Diamete x	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 =	\$736.20 ion. Total \$818.44 Total	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Contrac 135 31 13 13 00 0007	c Safety And Se CY Installat crete EA Installat	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity on 31.00 ub-base for concrete, a Stump Removal, >6 Quantity on 3.00 e 3 tree stumps Tree Removal, >6" Height), Includes Co	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15 x To 12" (>15 c	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar	x undation w) Diamete x D.B.H. (Di	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast g.	\$736.20 ion. Total \$818.44 Total \$428.87	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Con 135 31 13 13 00 0007 Contrac Contrac	c Safety And Se CY Installat tors Note: Stone s crete EA Installat tors Note: Remove EA	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 3 tree stumps Tree Removal, >6" Height), Includes Cr Quantity	Fill (1/2" To x nd backfill sto " To 12" (>15 x To 12" (>15 o utting Up Tree	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar Unit Price	x undation w) Diamete x D.B.H. (Di nd Loading	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast J. Factor	\$736.20 ion. Total \$818.44 Total \$428.87 Total	\$818.4 \$428.8
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac 136 31 13 13 00 0017	c Safety And Se CY Installat tors Note: Stone si crete EA Installat tors Note: Remove	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 s 3 tree stumps Tree Removal, >6" Height), Includes Cri Quantity ion 3.00	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15 x To 12" (>15 c	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar	x undation w) Diamete x D.B.H. (Di	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast g.	\$736.20 ion. Total \$818.44 Total \$428.87	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac Contrac Category1: Tree Removal 136 31 13 13 00 0017 Contrac Contrac	c Safety And Se CY Installat tors Note: Stone s crete EA Installat tors Note: Remove EA Installat tors Note: Remove EA Installat	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 s 3 tree stumps Tree Removal, >6" Height), Includes Cri Quantity ion 3.00	Fill (1/2" To x nd backfill sto " To 12" (>15 x To 12" (>15 o utting Up Tree	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar Unit Price	x undation w) Diamete x D.B.H. (Di nd Loading	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast J. Factor	\$736.20 ion. Total \$818.44 Total \$428.87 Total	\$818.4
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac Category1: Excavation/Contrac 135 31 13 13 00 0007 Contrac 136 31 13 13 00 0017	c Safety And Se CY Installat tors Note: Stone s crete EA Installat tors Note: Remove EA Installat tors Note: Remove EA Installat	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 s 3 tree stumps Tree Removal, >6" Height), Includes Cri Quantity ion 3.00	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15 o utting Up Tree x	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar Unit Price 681.67	x undation w) Diamete x D.B.H. (Di nd Loading x	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast J. Factor	\$736.20 ion. Total \$818.44 Total \$428.87 Total	\$818.4 \$428.8
Category1: Electric Subtotal for 28 - Electronic 31 - Earthwork 134 31 05 16 00 0009 Contrac Category1: Excavation/Con 135 31 13 13 00 0007 Contrac Category1: Tree Removal 136 31 13 13 00 0017 Contrac Category1: Tree Removal 136 31 13 13 00 0017 Contrac Contrac Contrac Contrac	c Safety And Se CY Installat tors Note: Stone s crete EA Installat tors Note: Remove EA Installat tors Note: Remove EA Installat tors Note: Remove EA	ion 1.00 annunciator panel for g curity: #7 Stone Aggregate Quantity ion 31.00 ub-base for concrete, a Stump Removal, >6 Quantity ion 3.00 e 3 tree stumps Tree Removal, >6" Height), Includes Cr Quantity ion 3.00 il of 3 trees	enerator. M Fill (1/2" To x nd backfill sto " To 12" (>15 o utting Up Tree x	728.91 ounted in 911 #4) Unit Price 26.14 one around for 5 cm To 30 cm Unit Price 141.54 cm To 30 cm) e, Chipping Ar Unit Price 681.67	x undation w) Diamete x D.B.H. (Di nd Loading x	1.0100 = at owner specified locat Factor 1.0100 = vall on both sides. r, Includes Loading Factor 1.0100 = ameter At Breast J. Factor	\$736.20 ion. Total \$818.44 Total \$428.87 Total	\$818.4 \$428.8 \$2,065.4

Rec#	CSI Number	Mod.	UOM	Descrip	otion							Line Tota
31 - E	arthwork											
138	31 23 36 00	0011	CY	Excava	tion Around B	uried Str	uctures To Rem	ain > 4' T	o 8'			\$999.6
			Installatior	,	Quantity		Unit Price		Factor	-	Total \$999.64	
		Contractors Note:	Excavation light poles	n for new . 42 CY ack side	to level area, of slab during	45 CY fo	or footings, 29 C	Y for slab	s, 5 CY for wall	ng foudatior (s, 25 CY fo	ns and utilities for	
Catego	ory1: Excavat	tion/Concrete			zanng.							
139	31 23 36 00	0034	CY	Loading	g Or Spreadin	g Of Sto	ckpile (0-500 CY	´)				\$470.5
			Installation		Quantity		Unit Price		Factor	_	Total	
		0	Installation		182.00	X	2.56	х	1.0100	=	\$470.58	
		Contractors Note:	Loading of	stockpil	ed excavated	material						
Catego	ory1: Excavat	tion/Concrete										
140	31 23 36 00	0045	TON	shaping			e Stone (0-500 ⁻ paction, and wate	,	•			\$251.3
			Installatior		Quantity		Unit Price		Factor	_	Total	
		Contractors Note:			55.80 at aub base a	X	4.46	х	1.0100	-	\$251.36	
			Grade and	Compia		lone.						
Catego		tion/Concrete										
141	31 23 36 00	0049	TON	spreadi		ough gra	' Undercut Fill (0 ading, compactio ie.	,				\$105.1
			Installation		Quantity		Unit Price		Factor	_	Total	
		0	Installation		39.00	X	2.67	X	1.0100	-	\$105.17	
		Contractors Note:		u compa		lounda	ion waiis and sid	ewaiks.				
Catego	•	tion/Concrete										
142	31 23 36 00	0055	SY	Fine Gr	ading Of Side	ewalk And	d Exterior Slabs Unit Price		Factor		Total	\$66.2
			Installation	ı	44.00	х	1.49	x	1.0100	=	\$66.22	
		Contractors Note:	Fine gradi	ng of sub								
Catego	ory1: Excavat	tion/Concrete										
Subto	otal for 31 - Ea	arthwork:										\$5,707.1
	Exterior Impro											φ0,707.1
52 - 1		Vennenits										
143	32 31 13 00	0260	EA	16' (4.9 Barbed		(1.6 m) l	High Double Gat	e Galvani	zed Steel With	out	Total	\$964.4
			Installation	ı	1.00	x	954.85	x	1.0100	=	\$964.40	
		Contractors Note:	Chain link	gate at r	new generator	r enclosu	re.					
Catego	ory1: Gate											
Subto	tal for 32 - Ex	xterior Improven	nents:									\$964.4
		essing And Hand		inmen	+							
		-										
144	41 01 20 00	0003	HR	Hoist O	r Crane Servi Quantity	cing, Lat	or Only Unit Price		Factor		Total	\$305.4
			Installatior	n	4.00	x	75.61	x	1.0100	=	\$305.46	
		Contractors Note:										

Subtotal for 41 - Material Processing And Handling Equip

Job Order Number:	012276.00
Job Order Title:	Village of Downers Grove - 325 kilowatt generator

Proposal Total

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.

The Percent of NPP on this Proposal: 0.00%