



TRI-COUNTY HDC, LTD.

1514 Derry Street, Harrisburg, PA 17104
(717) 231-3604
Fax: (717) 234-2227

November 26, 2013

Dear Contractor:

Tri-County Housing is now accepting PLUMBING, ELECTRIC and HVAC bids for two properties. One located at 1518 Swatara Street in Harrisburg, a location in our Capitol Corridors Program. One at 229 Spring Street, Middletown, a location in our Dauphin County Infill Program.

If you would like to be considered, please complete your pricing directly on the attached specifications. Be sure to include your business name, contact information and a total price. Your bid should be submitted to Tri-County Housing at the above address no later than December 27, 2013.

To view the property, contact Tom Hess, Tri-County's construction foreman at 717-756-4984.

Tri-County HDC is a non-profit, certified community housing development corporation which uses federal and local dollars to complete affordable housing projects. *Successful contractors will be required to provide a current certificate of liability and workman's compensation insurance and to abide by all terms and conditions in contract documents. All work must successfully pass a City Codes/Local inspection(s).* Any questions regarding this should be directed to our main office at 717-231-3604.

Sincerely,

Darrell N. Livingston
Operations Manager
Tri-County Housing

SPECS BY LOCATION/TRADE

11/26/2013

Pre-Bid Site Visit: _____
 Bidding Open Date: _____
 Bidding Close Date: _____
 Initial: _____

Case Number: _____
 Project Manager: _____
 Phone: _____

Address: 229 Spring Street **Unit: Unit 01**

Location: 3-Exterior Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22 Plumbing					
7135	HOSE BIBB Install a bronze, freeze free hose bibb on outside of structure with inside shut-off valve and backflow preventer. Seal exterior penetration with silicone caulk.	2.00	EA	_____	_____

Location Total: _____

Location: 4-Basement Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22 Plumbing					
6705	WASTE LINES--INSPECT, REPORT Test waste lines for leaks and proper venting. Identify defects and submit to the agency a priced list of recommended repairs to bring structure into compliance with the current plumbing code.	1.00	AL	_____	_____
6765	GAS LINE Hang code approved sized fixture and supply gas lines with malleable iron screwed fittings. Install brass stop valves at all equipment. Install gas lines to gas water heater, dryer, range and furnace, including shutoff valves and pressure test. Note: Please advise whether existing gas line must be replaced.	100.00	LF	_____	_____
7055	DISCHARGE TUBE Install temperature and pressure relief discharge tube on water heater. Bottom of tube shall be within 6" of floor or to outside of structure.	1.00	EA	_____	_____
7075	WATER HEATER--50 GALLON GAS Install a 50 gallon, glass lined, high recovery, insulated to R-7, gas water heater with a 10 year warranty. Include pressure and temperature relief valve, discharge tube to within 6" of floor or to outside of structure, vent, thimble, and gas piping from shut-off valve to fixture. Dispose of old water heater in code legal dump.	1.00	EA	_____	_____
7195	ROUGH-IN WATER SUPPLY--2 BATH HSE Remove all water supply from meter on, to code legal dump. Install 3/4" copper tubing. Hot and cold supply pipe, 1/2". Cross-linked Polyethylene (PEX) tubing, include all accessories inclusive of manifold. Manifold to be installed on a plywood panel on the wall in a readily accessible area. Install per manufacturers specification. Installation should include individual supply lines to service one 3-piece bath, one half bath with lav and commode, kitchen and laundry area. Installation	1.00	DU	_____	_____

Address: 229 Spring Street

Unit: Unit 01

Location: 4 - Basement

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22	Plumbing				

shall be complete, code compliant, fully usable, and include shut-off valves, chromed fixture supply lines and air gaps.

7220	DRAIN/WASTE/VENT--2 BATH HSE Remove all drain, waste and wet vent lines to code legal dump. Install schedule 40 PVC or cast iron DWV lines to service two 3-piece baths, one kitchen, and one laundry area from the foundation perimeter to roof vent terminus.	1.00	DU		
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Location Total: _____

Location: 10 - Kitchen

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22	Plumbing				

6770	GAS--FLEXIBLE SUPPLY LINE Install an epoxy coated, flexible metal gas line with brass compression fittings from gas stop valve to appliance.	1.00	EA		
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6815	FAUCET--KITCHEN DUAL CONTROL Install a metal kitchen sink faucet with spray, dual controls, 15 year drip-free warranty and maximum flow of 2 gallons per minute.	1.00	EA		
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6835	SINK--DOUBLE BOWL COMPLETE--GCI Install a 22 gauge 33" x 22" x 7" double bowl, stainless steel, self rimming kitchen sink including a steel, metal body faucet, rated at 2.0 Gallons per Minute or less, with a 15 year drip-free warranty, grease trap, supply lines, full port ball type shut-off valves & escutcheon plates on all supply & drain lines. All copper is to be soldered (no compression fittings) and all PVC fittings glued.	1.00	EA		
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Location Total: _____

Location: 12 - Laundry/Bathroom

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22	Plumbing				

6870	FAUCET--LAVATORY DUAL CONTROL Install a washerless, metal bodied, dual control faucet with a 15 year drip-free warranty. Include shut-off valve. Replace trap if required to complete installation.	1.00	EA		
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6900	VANITY--24" COMPLETE Install a 24" vanity complete with plywood cabinet, cultured marble top, dual control, brass bodied, single lever faucet, supply risers, shut-off valves and all required waste connectors to complete the installation.	1.00	EA		
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6958	BATHTUB/SHOWER--5' FIBERGLASS--COMPLETE--GCI Install a 5', 4 piece, Tub/Shower - Complete Unit- fiberglass tub	1.00	EA		
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Location: 12 - Laundry/Bathroom

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22	Plumbing				
	and shower unit complete with lever operated pop up drain and overflow, PVC waste, single lever shower diverter, shower rod and tub/shower faucet & a shower head with a maximum 2.0 GPM flow rate.				
7010	COMMODE--REPLACE--1.6 GPF--GCI Install a 2 piece, close coupled, white, vitreous china, commode with a maximum water usage per flush of 1.6 gallons. Include plastic or pressed wood white seat, plastic supply pipe, shutoff valve, flap valve and wax seal. Use 14" rough-in when replacing wall-hung commode and 12" rough-in to replace close coupled commode.	1.00	EA		
7120	DRIPLESS CENTER--WASHER HOOK UP Install PVC stand pipe, hot and cold hose bibbs, and install a flush or surface mounted duplex outlet for a washing machine on a separate 20 amp circuit.	1.00	EA		

Location Total: _____

Location: 15 - Bathroom-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 22	Plumbing				
6870	FAUCET--LAVATORY DUAL CONTROL Install a washerless, metal bodied, dual control faucet with a 15 year drip-free warranty. Include shut-off valve. Replace trap if required to complete installation.	2.00	EA		
6902	DOUBLE VANITY--58" COMPLETE Install bathroom vanity including (2) bowls, (2) 2 handle watersaving faucets, drain fittings, supplies with shut-offs. \$450 vanity allowance.	1.00	EA		
6958	BATHTUB/SHOWER--5' FIBERGLASS--COMPLETE--GCI Install a 5', 4 piece, Tub/Shower - Complete Unit- fiberglass tub and shower unit complete with lever operated pop up drain and overflow, PVC waste, single lever shower diverter, shower rod and tub/shower faucet & a shower head with a maximum 2.0 GPM flow rate.	1.00	EA		
7010	COMMODE--REPLACE--1.6 GPF--GCI Install a 2 piece, close coupled, white, vitreous china, commode with a maximum water usage per flush of 1.6 gallons. Include plastic or pressed wood white seat, plastic supply pipe, shutoff valve, flap valve and wax seal. Use 14" rough-in when replacing wall-hung commode and 12" rough-in to replace close coupled commode.	1.00	EA		

Location Total: _____

Unit Total for 229 Spring Street, Unit Unit 01: _____

Address Grand Total for 229 Spring Street: _____

Bidder: _____

SPECS BY LOCATION/TRADE

11/26/2013

Pre-Bid Site Visit: _____
 Bidding Open Date: _____
 Bidding Close Date: _____
 Initial: _____

Case Number: _____
 Project Manager: _____
 Phone: _____

Address: 229 Spring Street **Unit: Unit 01**

Location: 1 - General Requirements Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					
7790	ELECTRICAL SWITCHES & SOCKETS All light switches should be placed at universal height (no more than 48" high) unless otherwise noted. Likewise, all wall sockets (excluding kitchen counter outlets) should be placed at universal height or 18" high.	1.00	EA	_____	_____
8050	CABLE TV WIRING WHOLE HOUSE Install surface mounted, neatly stapled, co-axial cables and outlet to connectors for TV system. Provide all wiring during electrical rough-in. Install one outlet in the kitchen, living room and each bedroom. All wires should terminate in a central location in the basement.	1.00	EA	_____	_____
8095	PHONE WIRING WHOLE HOUSE Install cables and outlets to connect to phones for entire house. Provide all wiring during electrical rough-in. Install one outlet in each of the following rooms: kitchen, living room and each bedroom. Kitchen should have a wall-mounted plate.	1.00	EA	_____	_____
8100	COMPUTER NETWORK WIRING WHOLE HOUSE Install CAT 5-E or CAT 6 computer network wires and outlets. Provide all wiring during electrical rough-in. Install one outlet in the kitchen, living room and each bedroom. All wires should terminate in a central location in the basement.	1.00	EA	_____	_____

Location Total: _____

Location: 2 - Garage Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					
7585	RECEPTACLE--GFCI GARAGE Install surface mounted, ground fault circuit interrupted duplex receptacle using metal raceway and #12 wire.	2.00	EA	_____	_____
7752	ENERGY STAR INTERIOR CEILING FIXTURE--GCI Install an Energy Star approved, 13 watt florescent ceiling light fixture such as a Lowes Good Earth Lighting 1-Light White Ceiling Flush-mount Item #: 221292 -Model: G2401-TWH-I. Connect to existing wiring.	1.00	EA	_____	_____
8175	FLOOD LIGHT--DOUBLE BULB Install a building mounted, double lamp, incandescent flood light. Owner's choice of an interior or photoelectric switch. Any exposed exterior wiring shall be run in conduit.	1.00	EA	_____	_____

Address: 229 Spring Street

Unit: Unit 01

Location: 2 - Garage

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

Location Total: _____

Location: 3 - Exterior

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

Location Total: _____

Location: 4 - Basement

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

7475	ELECTRIC SERVICE--200 AMP Caulk exterior service penetration. Include a GFCI circuits required by code. All bedrooms must be arch-vault protected. Also during the demolition and installation of the electrical system, one outlet on each floor must remain active for power tools. Install Ground rod and Cable. <i>New SERVICE PANEL EXISTING</i>	1.00	EA	_____	_____
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8110	REWIRE TO CODE--PER ROOM Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.	1.00	RM	_____	_____
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Location Total: _____

Location: 6 - Living Room Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

wiring to include 1 energy star ceiling mount light fixture and smoke/carbon monoxide detector if applicable

Location Total: _____

Location: 7 - Dining Room Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

wiring to include 1 energy star ceiling mount light fixture and smoke/carbon monoxide detector if applicable

Location Total: _____

Location: 8 - Hall-1st Approx. Wall SF: 0 Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

wiring to include 2 ceiling mount energy star light fixture and smoke/carbon monoxide smoke detector

Location Total: _____

Address: 229 Spring Street**Unit: Unit 01****Location: 10 - Kitchen**

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					
7835	RANGE HOOD EXTERIOR VENTED Install an exterior ducted enameled range hood with integral controls and light capable of 100 cfm at 70 sooms. Attach hood to cabinet with screws. Include metal vent and roof or wall cap/damper assembly, using #14 copper Romex. Owner's choice of color.	1.00	EA	_____	_____
8110	REWIRE TO CODE--PER ROOM Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance. wiring to include 1 ceiling mount energy star light fixture, garbage disposal circuit and smoke/carbon monoxide detector	1.00	RM	_____	_____
Custom	recessed cans	6.00	EA	_____	_____

Location Total: _____**Location: 12 - Laundry/Bathroom**

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					
7795	LIGHT FIXTURE--VANITY Install a vanity light fixture.	1.00	EA	_____	_____
7818	FIXTURE--LIGHT, VENT Install a ceiling mounted, single bulb light fixture with an exterior ducted vent fan with damper capable of 60 cfm, controlled by 2 manufacturer- supplied switches, using code approved size Romex. Fish all wire and repair tear out.	1.00	EA	_____	_____
8110	REWIRE TO CODE--PER ROOM Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance. wiring to include 1 energy star ceiling mount light fixture and smoke/carbon monoxide detector if applicable	1.00	RM	_____	_____

Location Total: _____**Location: 13 - Hall-2nd**

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Address: 229 Spring Street

Unit: Unit 01

Location: 13 - Hall-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					

7752	ENERGY STAR INTERIOR CEILING FIXTURE--GCI Install an Energy Star approved, 13 watt florescent ceiling light fixture such as a Lowes Good Earth Lighting 1-Light White Ceiling Flush-mount Item #: 221292 -Model: G2401-TWH-I. Connect to existing wiring.	1.00	EA	_____	_____
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8110	REWIRE TO CODE--PER ROOM Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance. wiring to include 2 energy star ceiling mount light fixture and hard wired smoke/carbon monoxide detector	1.00	RM	_____	_____
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Location Total: _____

Location: 14 - Bedroom-Front-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					

8110	REWIRE TO CODE--PER ROOM Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.	1.00	RM	_____	_____
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wiring to include 2 energy star ceiling mount light fixture and hard wired smoke/carbon monoxide detector

Location Total: _____

Location: 15 - Bathroom-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23 Electric					

7795	LIGHT FIXTURE--VANITY Install a vanity light fixture.	2.00	EA	_____	_____
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7818	FIXTURE--LIGHT, VENT Install a ceiling mounted, single bulb light fixture with an exterior ducted vent fan with damper capable of 60 cfm, controlled by 2 manufacturer- supplied switches, using code approved size Romex. Fish all wire and repair tear out.	1.00	EA	_____	_____
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8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Address: 229 Spring Street

Unit: Unit 01

Location: 15 - Bathroom-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.
wiring to include 1 energy star ceiling mount fixture

Location Total: _____

Location: 16 - Bedroom-Middle-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

8110 REWIRE TO CODE--PER ROOM

1.00 RM

Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.
wiring to include 2 energy star ceiling mount light fixture and hard wired smoke/carbon dioxide detector

Location Total: _____

Location: 17 - Bedroom-Rear-2nd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 23	Electric				

8110 REWIRE TO CODE--PER ROOM

1.00 RM

Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

wiring to include 1 energy star ceiling mount light fixture and hard wired smoke/carbon monoxide detector

Custom energy star closet light and switch

1.00 EA

Location Total: _____

Address: 229 Spring Street

Unit: Unit 01

Location: 19 - Hall-3rd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

wiring to include 1 energy star ceiling mount light fixture and hard wired smoke/carbon monoxide detector

Location Total: _____

Location: 20 - Bedroom-Front-3rd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

Wiring to include 2 energy star ceiling mount light fixture and hard wired smoke/carbon monoxide detector

Location Total: _____

Location: 21 - Bedroom-Rear-3rd

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 23 Electric

8110	REWIRE TO CODE--PER ROOM	1.00	RM	_____	_____
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Rewire unit to current National Electric Code including but not limited to: surface mount GFI in bathroom & kitchen; 15 amp grounded receptacles on all usable walls; switched lights in all halls, kitchens, bathrooms and furnace areas; hard wired smoke detectors; cover plates; counter receptacles; and circuits. Fish all wire and repair all tearout. Does not include service entrance.

Wiring to include 2 energy star ceiling mount fixture, hardwired smoke/carbon monoxide detector

Custom	energy star closet light and switch	1.00	EA	_____	_____
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Location Total: _____

Unit Total for 229 Spring Street, Unit Unit 01: _____

Address Grand Total for 229 Spring Street: _____

Bidder: _____

SPECS BY LOCATION/TRADE

11/26/2013

Pre-Bid Site Visit: _____
 Bidding Open Date: _____
 Bidding Close Date: _____
 Initial: _____

Case Number: _____
 Project Manager: _____
 Phone: _____

Address: **229 Spring Street** Unit: **Unit 01**

Location: **4-Basement** Approx Wall SF: **0** Ceiling/Floor SF: **0**

Spec #	Spec	Quantity	Units	Unit Price	Total Price
Trade: 21 HVAC					
6002	HVAC--GENERAL REQUIREMENTS Equipment shall operate safely without leakage, noise, or vibration. All penetration of building components shall be neat, sleeved and fire stopped and shall not compromise structural integrity. Contractor shall submit a diagram showing equipment selection and proposed layout of distribution system within 10 days of bid award.	1.00	GR	_____	_____
6010	PROVIDE HEATING LAYOUT Prior to ordering equipment or components provide owner with scale drawing of heating distribution system including supply and return duct runs, registers and plenum. Size furnace accordingly. Allow for central heating and air-conditioning. Verify layout with Tri-County HDC, Ltd.	1.00	DU	_____	_____
6028	FURNACE--REMOVE Remove existing furnace to a code legal dump.	1.00	EA	_____	_____
6140	FURNACE & DUCT--GAS Install appropriately sized gas furnace (as specified in the approved heating layout) with intermittent pilot, forced air furnace complete with plenum, installed supply duct and galvanized return duct connected to the wall registers, to service all rooms and allow for future central air-conditioning. Verify furnace size and ducting with Tri-County HDC, Ltd. Include set back furnace thermostat, filter fan and plenum control. Connect thimble breaching to chimney per code. Provide separate power circuit and operating manual. System to maintain 70 F indoor temperature when outside temperature is -10 F. Min AGUE rating of 90+ vented to exterior. Note: if furnace and water heater are to be vented through the chimney, a stainless steel liner must be installed.	1.00	EA	_____	_____
6180	A/C CENTRAL UNIT Submit manuf's cut sheet & cooling load calcs to owner min 15 working days prior to installation. Install central A/C system w/ min EER of 8.6 including condensing unit, A type coil, control & power wiring, insulated freon lines, plenums, ext pad & connections to create a product capable of 68 F interior when ext is 100 F at 95% humidity. Provide owner w/factory warranty, manual & 1-yr contractors warranty.	1.00	EA	_____	_____
6380	SETBACK THERMOSTAT Install Enerstat model K4 or preapproved equivalent with the following settings: 6:00-8:00 a.m. 67 degrees F 8:00 a.m. - 4:30 p.m. 62 degrees F 4:30-10:30 p.m. 68 degrees F	1.00	EA	_____	_____

Address: 229 Spring Street

Unit: Unit 01

Location: 4 - Basement

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 21 HVAC

10:30 p.m. - 6:00 a.m. 62 degrees F. Thermostat must be installed at universal height = 42" high.

Location Total: _____

Location: 12 - Laundry/Bathroom

Approx. Wall SF: 0

Ceiling/Floor SF: 0

Spec #	Spec	Quantity	Units	Unit Price	Total Price
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Trade: 21 HVAC

6415 DRYER VENT--GCI

1.00 EA

Install 4" rigid aluminum vent tubing from the specified dryer location to a 4" wall mounted dryer vent hood with a back-flow preventer and NO screening. Do not fasten with nails, screws or other fasteners that protrude into the interior of the exhaust duct. Seal all seams in the system with duct mastic or aluminum foil tape, not duct tape. Secure duct and hood to framing.

Location Total: _____

Unit Total for 229 Spring Street, Unit Unit 01: _____

Address Grand Total for 229 Spring Street: _____

Bidder: _____