

**ADDENDUM NO. 2**

Date of Issue: **MARCH 12, 2010**

Project: **BOILER / HOT WATER HEATER REPLACEMENT  
AT SHENANDOAH HIGH RISE**

Project Owner: **SCHUYLKILL COUNTY HOUSING AUTHORITY**  
245 Parkway.  
Schuylkill Haven, PA 17972

Bid Due Date: **MARCH 18, 2010 AT 12:00 PM** (Noon, Local Prevailing Time)  
At the office of the Schuylkill County Housing Authority

The following changes, additions, revisions and/or clarifications are hereby incorporated into and shall become part of the contract documents and are issued to amend or clarify the drawings or specifications. Any items not mentioned herein nor affected hereby shall be performed in strict accordance with the original specifications and drawings. Failure of any bidder to acknowledge receipt of this Addendum in the space provided in his Proposal, may be sufficient cause for rejection of his Proposal.

Prior to submission of a bid for this project, all Contractors are urged to visit the Levkulic Associates website at [www.levkulicgroup.com](http://www.levkulicgroup.com) to view the most current information pertaining to this project.

**I. GENERAL CLARIFICATIONS:**

- A. As a clarification, Contractor shall provide as little down time of the domestic hot water and heating systems as possible. Contractor shall schedule and coordinate any disruptions in service with the Owner. Contractors shall provide measures to minimize down time such as temporary piping, temporary water heaters and other measures necessary. Cost of all such temporary provisions shall be included in the bid. As discussed at the prebid meeting, use of existing domestic hot water boilers or phasing of new water heater installation shall be permitted.
- B. New chimney liner shall be 16 ga, per the International Mechanical Code, latest edition.
- C. Refer to updated wage rates herewith (12 pages)

**END OF ADDENDUM**

LA Project No. 09-056



Bricklayer, Stonemason.....\$ 26.76 12.45

BRPA0005-045 05/03/2009

LEBANON COUNTY

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 27.84	12.92

BRPA0005-056 05/01/2009

NORTHUMBERLAND COUNTY

	Rates	Fringes
MARBLE SETTER.....	\$ 24.20	12.92
TERRAZZO WORKER/SETTER.....	\$ 25.86	17.27

BRPA0005-057 05/01/2009

Schuylkill County

	Rates	Fringes
Marble & Tile Setter.....	\$ 24.20	12.92
TERRAZZO WORKER/SETTER.....	\$ 25.86	17.27

BRPA0005-058 05/01/2009

LEBANON COUNTY

	Rates	Fringes
Marble & Tile Setter.....	\$ 24.20	12.92
TERRAZZO WORKER/SETTER.....	\$ 25.86	17.27

CARP0076-001 06/01/2009

	Rates	Fringes
Carpenter & Soft Floor Layer		
NORTHUMBERLAND COUNTY.....	\$ 24.81	11.27
SCHUYLKILL COUNTY.....	\$ 24.81	11.27

CARP0076-005 05/01/2009

SCHUYLKILL AND NORTHUMBERLAND COUNTIES

	Rates	Fringes
MILLWRIGHT.....	\$ 28.81	13.02

CARP0287-001 06/01/2009

LEBANON COUNTY

	Rates	Fringes
Carpenter & Soft Floor Layer.....	\$ 24.56	11.52

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CARP0287-005 06/01/2009

LEBANON COUNTY

	Rates	Fringes
MILLWRIGHT.....	\$ 28.81	13.02

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CARP0454-001 06/01/2008

	Rates	Fringes
PILEDRIVERMAN.....	\$ 32.71	14.23

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ELEC0126-003 09/28/2009

LEBANON COUNTY

	Rates	Fringes
Line Construction:		
Groundman.....	\$ 25.24	26.5%+5.55
Lineman, Cable Splicer.....	\$ 34.65	26%+5.55
Lineman.....	\$ 42.06	26.5%+5.55
Truck driver.....	\$ 27.34	26.5%+5.55
Winch Truck Operator.....	\$ 23.10	26%+5.55
Winch truck operator.....	\$ 29.44	26.5%+5.55

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ELEC0143-003 12/01/2009

LEBANON AND SCHUYLKILL (Pine Grove and Tremont Townships)  
COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 27.45	14.79

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ELEC0607-004 11/01/2009

REMAINDER OF NORTHUMBERLAND AND SCHUYLKILL COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 27.35	16.92

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ELEC0743-002 09/01/2008

SCHUYLKILL COUNTY (Haven, North Manheim, Pottsville, Schuylkill,  
South Manheim, Wayne, Washington, and West Brunswick Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 31.12	13.68

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ELEC0812-004 06/01/2007

NORTHUMBERLAND COUNTY (Delaware, Lewis, Trubut Twps.)

	Rates	Fringes
ELECTRICIAN.....	\$ 25.35	14.61
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ELEC1319-006 08/31/2008		

NORTHUMBERLAND AND SCHUYLKILL COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operators.....	\$ 39.17	17.13
Groundmen.....	\$ 24.53	17.13
Lineman.....	\$ 39.57	17.13
Truck Drivers.....	\$ 25.72	17.13
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ELEV0059-001 01/01/2010		

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 38.32	20.04

FOOTNOTES:

A. Employer contributes 8% of basic hourly rate for 5 years or more of service as vacation pay credit, and 6% of basic hourly rate for less than 5 years of service.

B. Eight Paid Holidays (provided employee has worked 5 consecutive days before and the working day after the holiday): New Years's Day; Memorial Day; Independence Day; Labor Day; Veteran's Day; Thanksgiving Day and the Friday after Thanksgiving Day, and Christmas Day.

\* ENGI0542-027 05/01/2009

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 29.42	16.89+A
GROUP 1a.....	\$ 31.67	17.55+A
GROUP 2.....	\$ 29.13	16.81+A
GROUP 2a.....	\$ 31.38	17.48+A
GROUP 3.....	\$ 26.22	15.94+A
GROUP 4.....	\$ 25.08	15.61+A
GROUP 5.....	\$ 24.64	15.47+A
GROUP 6.....	\$ 23.76	15.21+A

FOOTNOTE: A: PAID HOLIDAYS: Washington 's Birthday, Good Friday, Memorial Day, Labor Day, Presidential Election Day, Veterans Day; Thanksgiving Day and Christmas Day.

\*\*TOXIC/HAZARDOUS WASTE REMOVAL\*\*\* Add 20 per cent to basic hourly rate for all classifications

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Machines doing hook work, any machine handling machinery, cable spinning machines, helicopters, lulltype

forklift with boom attachment, concrete boom. truck, machines similar to the above including remote control equipment.

GROUP 1a: Machines doing hook work; Machines handling machinery; All types of cranes 15 ton and over factory rating; Cableways; Draglines 15 ton and over factory rating; High Rail/Burro Crane 15 ton and over factory rating; Rail Loader (Winch Boom Type) 15 ton and over factory rating; Machines similar to above, including remote control equipment.

GROUP 2: All types of cranes (except cranes doing hook work) backhoes, cableways, draglines, keystones, shovels, derricks, trench shovels, trenching machines, hoist with two towers, pavers 21E and over, overhead cranes, building hoists (double drum) gradalls, mucking machines in tunnels, front end loaders, tandem scrapers, pippin type backhoes, boat captains, batch plant operators concrete drills, self-contained rotary drills, fork lifts, 20ft, lift and over, scrapers, tournapulls, spreaders, bulldozers and tractors, rollers (high grade finishing), mechanic-welder, motor patrols, concrete pumps, grease truck, directionall drill machines 8" and up, skid steer, hydraulic pipe pusher 8" and up, hydro ax, environmental recycling machine and grinder type machines, lull type lifts masonry tenders, shear attached to machines, grease truck, concrete placer machine, machines similar to the above including remote control equipment.

GROUP 2a: Crawler backhoes and crawler gradalls over one cubic yard factory rating; Hydraulic backhoes over one cubic yard factory rating; Equipment 15 ton and over factory rating; Concrete Pumps 92 feet of Boom length or less (150 yard pour or less); Machines similar to above, including remote control equipment.

GROUP 3: Conveyors, building hoist (single drum), high or low pressure boilers, well drillers, asphalt plant engineers, ditch witch type trencher, core drill operators, forklift trucks under 20ft. lift, fine grade machines, directional drill machine 7" or less, hydraulic pipe pusher 7" or less, skid-steer forklift, machines with concrete mixer attachment, machines similar to the above including remote control equipment, miscellaneous equipment operator.

GROUP 4: Welding machines, well points, compressors, pumps, heaters, farm tractors, form line graders, road finishing machines, concrete breaking machines, rollers, seaman pulverzing mixer, power boom, seeding spreader, tireman (for power equipment), grout pump 4" and up, power broom, power sweeper, seeding spreader (self-propelled) machines similar to the above including remote control equipment.

GROUP 5: Fireman

GROUP 6: Oilers and deck hands (personnel boats)

LEBANON (Western 3/4), NORTHUMBERLAND AND SCHUYLKILL (Western tip to include the twps. of Fearnot, Good Spring, Hegins, Jolett, Klingerstown, Muir, Pittman Haas, Rough and Ready, Sacramento, Spring Glen, Suedberg, Tower City, and Valley View) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 27.07	21.85

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IRON0420-002 07/01/2009

SCHUYLKILL (Remainder of County)

	Rates	Fringes
Ironworkers:		
Projects \$200,000,000 and greater, all work.....	\$ 30.30	21.50
Projects less than 200,000,000.....	\$ 28.30	21.50

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LAB01174-007 05/01/2009

LEBANON COUNTY

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 19.43	9.73
GROUP 2.....	\$ 21.43	9.73
GROUP 3.....	\$ 21.60	9.73
GROUP 4.....	\$ 23.10	9.73

SEE LABORERS CLASSIFICATIONS BELOW

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LAB01174-008 05/01/2009

SCHUYLKILL COUNTY

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 19.43	9.73
GROUP 2.....	\$ 21.43	9.73
GROUP 3.....	\$ 21.60	9.73
GROUP 4.....	\$ 23.10	9.73

SEE LABORERS CLASSIFICATIONS BELOW

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LAB01180-002 05/01/2009

NORTHUMBERLAND COUNTY (South of Susquehanna River)

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 18.76	8.28
GROUP 2.....	\$ 20.76	8.28

GROUP 3.....	\$ 22.36	8.28
GROUP 4.....	\$ 23.86	8.28

LABORERS CLASSIFICATIONS

GROUP 1: Cleaning, scrubbing, washing and polishing of floors, furniture and windows, stripping, dismantling, oiling and moving of concrete forms, loading, unloading and carrying of reinforced steel, handling and distribution of lumber of all other building materials, unloading, carrying, distributing and laying of pre- cast concrete slabs and planks in accordance with decisions of record, wrecking, moving and demolishing, underpinning and shoring of all structures, signal person and flag person, landscaping and nursery work, toolroom person, operators of salamanders, smudge pots, propane gas and kerosene burners and all other heating methods. Cleaning of precipitators, operating of jackhammers, busters, drills and all other pneumatic and electric hand tools, wagon drills, air and hydraulic, on or off tracks, power buggies, concrete mixers, pump and vibrators, walk- along compacting equipment, vibrating and tamping, gunniting machines (including the nozzle), operation of steam jennies, sandblasting (filling the pot, cleaning up of sand, use of nozzle), pumps 2: or under conveyors, vacuum cleaners, all types (ride or walk-along), concrete saws and cutting equipment, burning and welding torches, dynamite blasters and swing scaffolds, slings and bosun chairs. Laying of non-metallic (clay ironstone, terra cotta, vitrified concrete and plastic) pipe and making of joints for same, walk-along lifts and similar machines, pouring and placing of all concrete and related materials, all concrete curing applications.

GROUP 2: Asbestos removal, hazardous and toxic waste removal, all work in connection with handing, control, removal, abatement, encapsulation or disposal of asbestos and/or toxic waste will be assigned to the member of the Laborers' International Union of North America not to be limited to the erection, moving, servicing and dismantling of all tools and equipment normally used in the handling, control, removal or encapsulation of hazardous material, this Agreement covers work tasks associated with any and all safety requirements and final clean-up and disposal of such hazardous waste material.

GROUP 3: Mason tenders, mixing of mortar, plaster and mortar pumps, plaster tenders, caisson work, blast furnaces, coke ovens and all related work, erection and dismantling of all scaffolding, including tubular frame, manual and powered climbing scaffold, swing scaffolds, slings, bosun chairs, and all associated safety protection including barricades, nets and ropes, scaffold weather enclosures; shoring; mortar buggies; concrete pumps; walk-behind forklifts; electric welders torches, compressors, generators and the repair and maintenance of same; jackhammers, tampers; cut-off saws & other power equipment required for demolition; rotary-hammer drills, electric & pneumatic hand-tools; transit, levels & lasers; tempering motar; stocking scaffolds with masonry materials including brick,

block, mortar, teera cotta, architectural pre-cast concrete, natural stone, insulation & mastic, flashing, anchors & ties, grout; mobile lifting platform scaffolding powered by any power mode or method ; cleaning of all masonry debris.

GROUP 4: Skid-steering loader and forklift laborers.  
 Operation of rough terrain folkifts, skid-steering loaders.

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 LAB01180-006 05/01/2009

NORTHUMBERLAND COUNTY (North of Susquehanna River)

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 18.77	8.28
GROUP 2.....	\$ 20.77	8.28
GROUP 3.....	\$ 22.36	8.28
GROUP 4.....	\$ 23.86	8.28

SEE LABORERS CLASSIFICATIONS BELOW

GROUP 1: Cleaning, scrubbing, washing and polishing of floors, furniture and windows, stripping, dismantling, oiling and moving of concrete forms, loading, unloading and carrying of reinforced steel, handling and distribution of lumber of all other building materials, unloading, carrying, distributing and laying of pre- cast concrete slabs and planks in accordance with decisions of record, wrecking, moving and demolishing, underpinning and shoring of all structures, signal person and flag person, landscaping and nursery work, toolroom person, operators of salamanders, smudge pots, propane gas and kerosene burners and all other heating methods. Cleaning of precipitators, operating of jackhammers, busters, drills and all other pneumatic and electric hand tools, wagon drills, air and hydraulic, on or off tracks, power buggies, concrete mixers, pump and vibrators, walk- along compacting equipment, vibrating and tamping, gunniting machines (including the nozzle), operation of steam jennies, sandblasting (filling the pot, cleaning up of sand, use of nozzle), pumps 2: or under conveyors, vacuum cleaners, all types (ride or walk-along), concrete saws and cutting equipment, burning and welding torches, dynamite blasters and swing scaffolds, slings and bosun chairs. Laying of non-metallic (clay ironstone, terra cotta, vitrified concrete and plastic) pipe and making of joints for same, walk-along lifts and similar machines, pouring and placing of all concrete and related materials, all concrete curing applications.

GROUP 2: Asbestos removal, hazardous and toxic waste removal, all work in connection with handing, control, removal, abatement, encapsulation or disposal of asbestos and/or toxic waste will be assigned to the member of the Laborers' International Union of North America not to be limited to the erection, moving, servicing and dismantling of all tools and equipment normally used in the handling, control, removal or encapsulation of hazardous material,

this Agreement covers work tasks associated with any and all safety requirements and final clean-up and disposal of such hazardous waste material.

GROUP 3: Mason tenders, mixing of mortar, plaster and mortar pumps, plaster tenders, caisson work, blast furnaces, coke ovens and all related work, erection and dismantling of all scaffolding, including tubular frame, manual and powered climbing scaffold, swing scaffolds, slings, bosum chairs, and all associated safety protection including barricades, nets and ropes, scaffold weather enclosures; shoring; mortar buggies; concrete pumps; walk-behind forklifts; electric welders torches, compressors, generators and the repair and maintenance of same; jackhammers, tampers; cut-off saws & other power equipment required for demolition; rotary-hammer drills, electric & pneumatic hand-tools; transit, levels & lasers; tempering motar; stocking scaffolds with masonry materials including brick, block, mortar, teera cotta, architectural pre-cast concrete, natural stone, insulation & mastic, flashing, anchors & ties, grout; mobile lifting platform scafforing powered by any power mode or method ; cleaning of all masonry debris.

GROUP 4: Skid-steering loader and forklift laborers.  
Operation of rough terrain folkifts, skid-steering loaders.

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PAIN0021-008 05/01/2009

LEBANON, NORTHUMBERLAND AND SCHUYLKILL COUNTIES

	Rates	Fringes
Painters: (Brush)		
LEBANON COUNTY.....	\$ 22.75	12.05
NORTHUMBERLAND AND SCHUYLKILL COUNTIES.....	\$ 22.75	12.30
Painters: (Spray)		
LEBANON COUNTIES.....	\$ 23.75	12.05
NORTHUMBERLAND AND SCHUYLKILL COUNTIES.....	\$ 23.75	12.30

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PAIN0252-001 06/01/2008

	Rates	Fringes
Window Tinter.....	\$ 19.85	6.61

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PLAS0592-012 05/01/2009

SCHUYKILL COUNTY

	Rates	Fringes
PLASTERER.....	\$ 26.43	15.50

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PLAS0592-014 05/01/2009

LEBANON AND NORTHUMBERLAND COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.00	15.60
PLASTERER.....	\$ 22.48	14.10

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 PLUM0520-004 05/01/2009

LEBANON COUNTY (West of Route 501), AND NORTHUMBERLAND COUNTIES

	Rates	Fringes
Plumber and Steamfitter.....	\$ 30.27	18.04

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 PLUM0524-008 06/01/2009

SCHUYLKILL COUNTY

	Rates	Fringes
Plumber and Steamfitter.....	\$ 36.60	16.26

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 PLUM0690-003 11/01/2009

LEBANON COUNTY (East of Route 501)

	Rates	Fringes
Plumber and Steamfitter.....	\$ 34.50	22.79

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 ROOF0030-020 05/01/2009

	Rates	Fringes
Roofers: Composition.....	\$ 30.00	22.70+A

FOOTNOTE (Composition Roofer only):

A. PAID HOLIDAY: Election Day

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 SFPA0669-001 01/01/2010

	Rates	Fringes
SPRINKLER FITTER.....	\$ 33.85	17.60

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 SHEE0019-006 06/01/2009

LEBANON COUNTY

	Rates	Fringes
Sheet metal worker.....	\$ 29.56	28.85+A

FOOTNOTE:

A. PAID HOLIDAY; ELECTION DAY.

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 SHEE0044-002 05/01/2009

NORTHUMBERLAND AND SCHUYLKILL COUNTIES

	Rates	Fringes
Sheet metal worker.....	\$ 28.56	17.29

FOOTNOTE:

A. PAID HOLIDAY; ELECTION DAY.

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 \* TEAM0229-001 05/01/2009

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 28.58	9.89
GROUP 2.....	\$ 28.65	9.89
GROUP 3.....	\$ 29.14	9.89

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Flat Bed Truck (Single-Axle), Dump Trucks (Under 10 Yds Single Axle), Stake Body Trck (Single Axle), Dumpster (Single Axle)

GROUP 2: Dump Truck (Over 10 Yds), Asphalt Distributors, Transit Mix (Under 5 Yds), Transit Mix (Over 5 Yds.), Flat or Stake Body (Tandem), Fuel Truck A-Frame/Winch Trucks, Dry Batch Truck, Truck Mounted Sweeper and Vac Trucks, Buses, Dumpster (Tandem)

GROUP 3: Euclid-Type, Off Highway Equipment-Back or Double Bottom Dump Trucks (Over 20 Tons), Straddle Trucks, Pusher, Articulate Dumped Trucks, Low Boy Trailers, Semi Trailers

Water Tank, Sprinkler Trucks, Winch Trucks and Fuel Trucks shall be governed by the appropriate classification as listed above.

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 WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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 In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.  
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1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

## ADDENDUM NO. 1

Date of Issue: **MARCH 3, 2010**

Project: **BOILER / HOT WATER HEATER REPLACEMENT  
AT SHENANDOAH HIGH RISE**

Project Owner: **SCHUYLKILL COUNTY HOUSING AUTHORITY**  
245 Parkway.  
Schuylkill Haven, PA 17972

Bid Due Date: **MARCH 18, 2010 AT 12:00 PM** (Noon, Local Prevailing Time)  
At the office of the Schuylkill County Housing Authority

The following changes, additions, revisions and/or clarifications are hereby incorporated into and shall become part of the contract documents and are issued to amend or clarify the drawings or specifications. Any items not mentioned herein nor affected hereby shall be performed in strict accordance with the original specifications and drawings. Failure of any bidder to acknowledge receipt of this Addendum in the space provided in his Proposal, may be sufficient cause for rejection of his Proposal.

Prior to submission of a bid for this project, all Contractors are urged to visit the Levkolic Associates website at [www.levkolicgroup.com](http://www.levkolicgroup.com) to view the most current information pertaining to this project.

### I. GENERAL CLARIFICATIONS:

- A. Contractors shall be aware the bid due date for this project shall be delayed until March 18, 2009 at 12:00 (noon, local prevailing time) due to new Wage Rate Decision updates scheduled to be released on March 12, 2009. Such updates will be issued in the form of an addendum and also posted to <http://www.levkolicgroup.com/>
- B. The project is inadvertently missing the ARRA logo on the cover of the project manual. Contractor shall be aware this project is being funded by American Recovery and Reinvestment Act of 2009 (ARRA). Contractor shall be responsible to ensure all products meet the Buy American Act of ARRA, reporting and other requirements subject to this funding.
- C. All paint, primer and sealant used on this project shall be free of VOC's (Volatile Organic Compounds).
- D. Inconsistencies in the amount of liquidated damages have been noted in the project documents. Liquidated damages for this project shall be \$400 per day.
- E. Inconsistencies in the contract duration have been noted in the project documents. Contract duration shall be 120 consecutive calendar days.
- F. Contractor shall be aware several floor drains exist within the boiler room. Contractor may adjust the location of the boilers and water heaters so as to not impact existing floor drains. Such relocation shall not decrease the required clearances.
- G. Existing trench shall be abandoned and infilled with concrete.
- H. In lieu of providing new trenching, Contractor shall also have the option to install new oil supply lines overhead. Contractor shall provide all necessary support and bracing.
- I. An existing oil line now shown on the drawing exists to feed an abandoned rooftop heating system. Such oil line runs vertically along the common wall to the adjacent garage area, horizontally through the garage, then vertically through a chase to the roof. Contractor shall cut and cap such line where the line enters the chase.
- J. Contractor shall insulate all return lines within the garage area in addition to all required insulation within the Mechanical Room.

- K. Contractor shall provide new stainless steel chimney liner. Contractor shall provide either 24 gauge corrugated stainless steel liner or 26 gauge rigid stainless steel liner. Liner shall be sized to the breeching exiting to the flue. Existing chimney cap shall be reused.
- L. All electrical conductors which run under the floor slab shall be removed. Such removal shall consist of the wire being removed from the conduit, conduit cut flush with the existing floor and infilled with new concrete to seal the floor where conduit was cut.
- M. An existing 30"x30" louver exists within the exterior wall, above the existing dual pump oil system. Contractor shall remove existing louver and provide new 30"x30" motorized louver. New louver shall be interlocked to new boilers and water heaters to activate upon firing of one or more oil burners. New louver shall have parallel blades and direct mount actuator with extended shaft and bearing bracket. Damper operator shall be complete with all wiring and interlocks necessary for operation. New louver shall be anodized aluminum or powder coated finish.
- N. Contractor shall insulate existing heating piping within the closet adjacent to the elevator hoist way. Ceiling height is approximately 8'-0".
- O. Contractor shall provide new valves for existing heater high in space to remain.
- P. First Floor Plan on sheet G1 is incorrectly identified as "Mechanical Removal Plan". Such floor plan shall be identified as "First Floor Plan".
- Q. Confusion was noted as to zone valves being scheduled but not reflected on the drawings. First Floor Plan on sheet G1 depicts locations of the four zone valves scheduled for replacement.
- R. The expansion tank specified for new hot water heaters is not depicted on the project drawings. Such tank shall be located and installed per manufacturer's recommendations.
- S. As a clarification, all water heater and boiler breechings shall be steel, sheet, carbon high strength in accordance with ASTM A668 and NFPA 211. Design for 600 degrees Fahrenheit 50" wc positive and 2" wc negative, metal thickness shall be 10 ga with continuous weld and angle clips for insulation. Insulation shall be 2" thick calcium silicate with asj facing or jacket or approved equal.
- T. Three way zone valves and operators: The (4) Honeywell 3 way zone valves specified at locations indicated on drawings shall replace existing three way zone valves. The new valve operators shall replace existing valve operators with the same model and shall be wired to existing zone thermostats.
- U. Contractor shall remove two (2) existing 3'-0"x6'-8" metal doors and associated frame and hardware at the existing exterior wall of the mechanical room. Contractor shall provide new 1/8" thick aluminum tubular door frame, architectural grade T6063-T6 alloy sized to the existing opening. Contractor shall provide two new Special Lite SL-17 Pebble Grain insulated, fiberglass faced doors. Contractor shall provide one (1) Yale 7130 Mortise lock and closing device with 656 trim, one (1) LCN 4110 Closer, One set of Rockwood 555 flush bolts, Full length hinge guard, Markar model HG3505x32D, Reese 5487V threshold. Cylinder shall match owner's existing keying system.

The frame shall be attached using a minimum of 4 anchors on each jamb (total of 8). The fasteners shall be located a maximum of 12" from the sill and spaced a maximum of 19" on center along the jamb. The head of the frame shall be secured using an additional four (4) anchors in each head within 6" of the opening centerline. Masonry fasteners shall be minimum 3/8" diameter Hilti Kwik Bolt 3 (or approved equal) with a minimum embedment into masonry of 2 1/2" Provide welded pipe spacers at attachment points.

- V. Our office has received an RFI from Bognet, Inc. asking the following:
- i. Q: Is BacNet or LonWorks the interface to the BMS?  
A: Section 15510, Paragraph 1.6, subparagraph B requires the boiler control system to be capable of BACnet integration through an optional gateway.
  - ii. Q: The control system will be resetting the water schedule. Should the boilers be piped primary secondary for low return temperature protection.  
A: Contractor shall install per manufacturer's recommendations for bypass piping with a circulator to prevent low water temperature return.
  - iii. Q: In lieu of the 20" barometric, should we install one barometric in each of the water heaters and boilers?  
A: Sheet G2, Boiler Room Breeching Plan shows both the 20" damper exiting to the flue and barometric dampers at both boilers and both water heaters.
  - iv. Q: Can we use double wall positive pressure pipe such as AMPCO for breeching?
  - v. Yes. Such piping shall be sized and supported properly.

**END OF ADDENDUM**

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