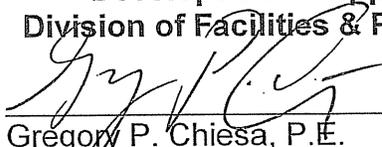


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DUCT INSTALLATION  
BUILDING NO. 31 - HILL HALL  
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Developed and Approved By:  
Division of Facilities & Property Mgmt.  
  
Gregory P. Chiesa, P.E. Date  
Mechanical Engineer II 7/13/2011

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.1 SCOPE OF WORK

- A. The scope of work for this project requires the Contractor to furnish and install sheet metal ductwork used for heating, ventilation and air conditioning (HVAC) systems. The Contractor shall provide all labor, materials and tools needed to install sheet metal ductwork and related accessories.
- B. The Contractor shall install the sheet metal ductwork in the Hill Hall Building No. 31, "1st Floor Studio Wing Area", located on the grounds of Wernersville State Hospital, Berks County, Wernersville, Pennsylvania. This location shall be referenced in this specification as "the job site" or "the site" or "on site".
- C. The Contractor shall coordinate the installation work with the Facility Maintenance Manager to avoid operational conflicts within the building. The Contractor shall provide a work schedule of the installation and manufacturing of the metal ductwork to the Facility Maintenance Manager. The Contractor shall be flexible and schedule work during normal working hours of the Facility which are 7:30 A.M. to 3:30 P.M., Monday through Friday, except State Holidays.
- D. The ductwork shall be installed by the Contractor in the locations **shown on the attached drawings**. The drawings provide the shown design intent and the exact installation locations of the ductwork may vary in the field. The Contractor, with prior approval, is allowed to make **minor modifications or location changes** to ductwork in order to avoid existing building obstructions, lighting or piping. The Contractor shall not modify or move any existing building element(s) without prior approval of the Facility Maintenance Manager. All such minor ductwork modifications shall benefit the Commonwealth in all cases and at no additional cost to the Commonwealth.
- E. The Contractor shall have the option to manufacture sheet metal HVAC ductwork on site or off site, whichever location is necessary, practical and **most cost effective to the Commonwealth**. Regardless of where the ductwork is made, the Contractor shall deliver, furnish and install all ductwork, metal hangers, insulation and related ductwork accessories.

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- F. Multiple site visits may be required by the Contractor to verify installation locations. The number of site visits **shall not be limited nor impact construction schedules. With the approval of the Facility Maintenance Manager**, the Contractor may store materials, tools and manufacture ductwork at the job site in designated **secure** work areas only.
- G. All Contractors are required to conduct a site visit to Wernersville State Hospital to evaluate existing site conditions, confirm measurements and ensure all ductwork can be properly installed in the locations shown. A Proof of Visit form is attached to this specification and must be returned with all Contractor bid packages.
- H. All Contractors are required to read, follow and understand all security, safety and parking requirements of the building and of the facility.

**PART 2 – TECHNICAL SPECIFICATION**

**DUCTWORK, ACCESSORIES AND SHEET METAL SPECIALTIES**

**2.1 METAL DUCTWORK**

- A. General
  - 1. All duct dimensions listed on drawings are clear inside openings. **The installation locations of the ductwork, ductwork lengths and associated equipment shown on the drawings are approximate. The Contractor shall field verify all measurements and confirm the exact installation locations of all ductwork with the Facility Maintenance Manager. Minor changes in the field should be accounted for by the Contractor and should be expected. Changes in ductwork sizes should be expected to accommodate building obstructions. Minor changes are not considered to be additional sections of ductwork not shown on the drawings.**

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2. All ductwork shall be constructed to the current SMACNA - HVAC Duct Construction Standards for Metal & Flexible Ductwork ANSI 006-2006. All ductwork construction shall conform to the 2009 International Mechanical & Energy Codes. **If elements of this specification or associated drawings are in conflict with established codes/standards, the codes/standards shall prevail in all cases.** Such conflicts shall be presented to the design engineer for clarification and final recommendations. The design engineer shall make the final decisions in all such conflicts.
3. All ductwork made by the Contractor shall be constructed in sections that can be easily installed in the locations shown. The Contractor shall only manufacture sections of ductwork that can be installed properly in the field without modifications to existing building elements. All materials to connect, support and seal the HVAC ductwork shall be furnished and installed by the Contractor.
4. The Contractor should **expect modifications** or location changes to the ductwork and shall accommodate. The Contractor shall verify with the Facility Maintenance Manager and Facility Maintenance Staff to deal with minor modifications and changes to the ductwork. The Contractor may have to make adjustments for unforeseen obstructions such as electrical conduits, lighting fixtures, piping or structural elements of the building. The Contractor shall confirm the installation location with the Facility Maintenance Manager **before installing** the sections of ductwork. Existing building structure, piping, electrical wire, ceiling grid or lights **shall not be modified unless** approved by the Facility Maintenance Manager and/or the design engineer. If required for some unforeseen condition, extensive modifications to existing building elements shall be performed by the Wernersville State Hospital Maintenance Staff. These types of field modifications shall be limited and shall benefit the Commonwealth **in all cases**.

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B. Ductwork Materials and Installation Requirements

1. Reference the SMACNA **HVAC Duct Construction Standards – Metal & Flexible – 3<sup>rd</sup> Edition 2005**. SMACNA has discontinued the use of the terms "low", "medium" and "high" as applied to duct air velocity and/or pressure classifications; however, for the purpose of this contract, low, medium and high pressure ductwork shall be defined as follows unless more stringent requirements are indicated on the drawings or specified herein.
  
2. **All ductwork shall be lock forming grade made from G-60 corrosion resistant galvanized steel manufactured according to ASTM A653/924 standards specified in SMACNA metal ductwork construction standards. Flexible ductwork shall not be installed at any locations.**

Classification: **"LOW" PRESSURE DUCTWORK – 1" w.g.**

<u>SMACNA Pressure Class</u>	<u>Operating Pressure</u>	<u>Velocity</u>
1/2" w.g. pos. or neg.	Up to 1/2" w.g.	2000 fpm max.
<b>1" w.g. pos. or neg.</b>	<b>Over 1/2" up to 1" w.g.</b>	<b>2000 fpm max.</b>
2" w.g. pos. or neg.	Over 1" up to 2" w.g.	2000 fpm max.

3. Unless otherwise noted, the following pressure classifications are to be used:
  - a. All non-variable air-volume ductwork shall be **low-pressure ductwork; the Standard shall be 1" w.g., 250 Pa.**
  
4. Ductwork shall be sealed with a UL listed sealing compound in accordance with SMACNA and as required below.

**SEAL CLASS C**

Sealing required:	Transverse joints
Static Pressure Construction Class:	2" w.g. (500 Pa) Low-pressure ductwork
Static Pressure Construction Class:	2" w.g. (500 Pa) and down Low-pressure supply, fresh air and combination fresh air/return duct

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C. Low Pressure Rectangular, Square and Round Galvanized Ducts

1. Duct base metal shall be not less than the following gauges:

<u>Longest Side or Diameter</u>	<u>U.S.S. Gauge Number</u>
12" or less	26
13" to 30"	24
31" to 60"	22
61" to 90"	20
Over 90"	18

2. Ducts with larger dimension of 24" and over shall be provided with transverse joint or angle bracing stiffeners, 4' o.c. for ducts up to 60" and 2' o.c. for ducts over 60", long sides. O.C. spacing for transverse joints shall not exceed 8'.
3. Bracing angles generally shall be of the same material as the ducts or structural steel shapes. Bracing shall be riveted to duct 5" o.c.
4. Long radius elbows and transitions shall be used wherever possible. Where this is not possible, rectangular elbows may be used. Provide airfoil-turning vanes with rectangular or short radius elbows.
5. Transform duct sizes gradually, not exceeding 15 degrees divergence and 30 degrees convergence.
6. Structural steel angle cradles or metal strips shall be used to support all ductwork as required for proper installation by the Contractor. SMACNA Metal Ductwork Construction Standards for ductwork shall be utilized by the Contractor.

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7. Spiral Round Duct

- a. Round Duct shall be manufactured of galvanized steel meeting ASTM A-527-67 by the following methods and in the minimum gauges listed:

<u>Diameter</u>	<u>Min. Gauge</u>	<u>Method of Manufacture</u>	<u>Diameter</u>	<u>Min. Gauge</u>	<u>Method of Manufacture</u>
3" thru 14"	26	Unreinforced	3" thru 14"	24	Spiral Lockseam
15" thru 18"	26	Unreinforced	15" thru 26"	22	Spiral Lockseam
20" thru 29"	24	Unreinforced	27" thru 36"	22	Spiral Lockseam
30" thru 42"	22	Unreinforced	37" thru 50"	20	Spiral Lockseam

- b. The spiral duct shall have locked seams so made as to eliminate any leakage under the pressure for which this system has been designed.
- c. Longitudinal seam duct shall have a fusion-welded butt seam.
- d. Fittings and couplings shall be of the following minimum gauges or as per latest SMACNA Standard:

<u>Diameter</u>	<u>Gauge</u>
3" thru 8"	20 gauge
9" thru 36"	20 gauge
38 thru 60"	18 gauge
Over 60"	16 gauge

- e. All fittings are to have continuous welds along all seams. All divided flow fittings are to be manufactured as separate fittings, not as tap collars welded into spiral duct sections.
- f. **All 90 tees and 45 laterals (wyes) up to and including 12" diameter tap size shall have a radius entrance into the tap produced by machine or press forming. The entrance shall be free of weld build-up, burrs or irregularities.**

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- g. Elbows in diameters 3" through 10" shall be two-section stamped elbow. All other elbows shall be gored construction with all seams continuous-welded. Elbows shall be fabricated to a center-line radius of 1.5 times the cross-section diameter. All elbows, not die-stamped, shall be fabricated according to the following schedule:

<u>Elbow Angle</u>	<u>Number of Gores</u>
Less than 35	2
35 thru 71	3
Over 71	5

- h. Where it is necessary to use 2-piece mitered elbows, they shall have turning vanes in accordance with the following schedule:

<u>Diameter</u>	<u>Numbers of Vanes</u>
3"	1
4" thru 9"	2
10" thru 13"	3
14" thru 19"	4
20" thru 60"	5
Over 60"	12" spacing

- i. The leading edge of all vanes in ducts over 20" diameter shall be hemmed with 1/2" fold back. **Turning vanes in ducts over 24" shall be reinforced by rods or sectional construction to limit unsupported length to 24"**. Vanes shall be minimum of 20 gauge. Use of elbows with turning vanes and less than 1.5 times the turning radius shall be subject to the review of the design engineer.
- j. Bellmouth connections are to be used at each round take-off from the high-pressure plenum.
- k. Pipe-to-pipe joints in diameter to 50" shall be by the use of sleeve couplings, reinforced by rolled beads.
- l. Pipe-to-fitting joints in diameters to 50" shall be by slip-fit of projecting collar of the fitting into the pipe.

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- m. Insertion length of sleeve coupling and fitting collar is 2" for diameters through 9" and 4" for diameters 10" and up.
8. Joint Sealing
- a. Round duct joints in diameter through 50" shall be assembled and sealed as follows:
    - (1) Approved sealer shall be applied to the male end of the couplings and fittings. Sealer shall meet NFPA 90A para. 114 requirements and be an approved UL classified adhesive. After the joint is slipped together, sheet metal screws shall be placed 1/2" from the joint bead for mechanical strength. Sealer shall be applied to the outside of the joint extending 1" on each side of the joint bead and covering the screw heads. Plastic-baked tape shall be immediately applied over the wet sealer.
    - (2) The duct sealer must be specifically formulated for the job of sealing the field joints for high-pressure systems. The sealer shall be compatible with plastic-backed duct tape so the two shall cure and bond together. Samples of EZ-4719 and tape and the specification data sheets shall be submitted to the engineer for approval.
    - (3) Flanged joints shall be sealed by Neoprene Rubber gaskets.
    - (4) The Contractor shall supply all gaskets and sealers and provide all MSDS Hazardous Material sheets.

## 2.2 FLEXIBLE AIR DUCTWORK

- A. General: **Fiberglass and Plastic Flexible Ductwork shall not be installed at any locations.** The replacement ceiling, **to be installed by others,** is to have a 1 hour fire rating. Aluminum/steel metal flexible ductwork shall be allowed to connect rigid metal ductwork to ceiling grid air diffusers and return air grills and **may not exceed 4 feet in length.**
- B. Duct Clamps: 80 kg (175 pounds) minimum tensile strength manufactured for ductwork installation, made of stainless steel strap with cadmium plated worm gear tightening device. Apply clamps with sealant and as approved for UL 181, Class 1 installation.

### 2.3 FLEXIBLE COLLARS

- A. Collars shall be approximately four (4") inches long, of the flexible, neoprene type. Contractor shall supply all collars.
- B. All materials shall have a flame spread of 25 or less and a smoke developed rating of 50 or less when tested in accordance with ASTM E 84.
- C. See Section 3.4 of this specification.

### 2.4 TURNING VANES IN DUCTWORK

- A. The Contractor shall **furnish and install** turning vanes where indicated on drawings **or as indicated in this specification**. Construction of turning vanes shall conform to the 4<sup>th</sup> chapter, 3<sup>rd</sup> Edition of the SMACNA Duct Construction Standards.
- B. Turning Vanes shall be High Efficiency Profile as manufactured by **Tuttle & Bailey/Hart & Cooley, Cain Manufacturing Co., Inc., Duro Dyne Corp.** or equal as accepted by the specifying engineer. All materials shall be submitted for review and approval before purchase by the Contractor.

### 2.5 ACCESS PANELS IN DUCTWORK

The Contractor shall furnish ductwork access panels/doors of sufficient size to service and clean the interior of the ductwork or service items such as dampers or turning vanes. Access panels in ductwork shall be low leak type, sash locks, no less than 8"x 8" square and installed in locations as indicated on the drawings. **Access doors shall be provided for the inspection of all fire dampers and duct smoke detectors.** Access doors shall be low leakage as manufactured by Tuttle & Bailey/Hart & Cooley (6140-50) or approved equal. All materials shall be submitted for review and approval before purchased by the Contractor.

### 2.6 DUCTWORK HANGERS & SUPPORTS

The Contractor shall furnish and install all materials to **support and hang the sections of metal ductwork**. The Contractor shall use **only metal ductwork hangers/strapping** and manufacture ductwork with transverse and intermediate reinforcement supports as described and specified in **SMACNA – HVAC Duct Construction Standards for Metal Ductwork and the 2009 IMC.**

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## 2.7 VOLUME – BALANCE DAMPERS

The Contractor shall furnish and install **balance dampers as shown on the drawings**. **If not shown on the drawings**, a balance damper shall be installed on all branch ductwork take-offs. The dampers shall be of the balanced type with flat blades. Blades shall be rigid with close fitting hemmed edges and triple crimped for strength. The frame shall be welded construction throughout except for operable parts. Damper rods shall be 3/8" square at one (1) end and shall either pass entirely through the ducts or shall be short studs secured to blades by not less than three (3) bolts at each end. The square end of each damper rod shall be held in a lever and quadrant with locking device. Dampers in ducts over eighteen (18") inches deep shall be of the multiple opposed blade type. Multiple blades shall be not over six (6") inches wide and may be gang operated or individually operated. The damper (when closed) shall have less than 1/2 of 1% leakage holding against 2" w.g. static pressure. Performance curves shall be based on 2000 fpm velocity. Dampers shall be manufactured by Hart & Cooley or approved equal. All materials shall be submitted for review and approval before purchased by the Contractor.

## 2.8 DUCTWORK INSULATION

The Contractor shall furnish and install **ductwork insulation on all supply and return air ductwork shown on the drawings**. All insulation furnished by the Contractor shall be installed externally to the ductwork; internal insulated ductwork **shall not be provided nor approved**. The insulation shall have an R-value of R-5 or greater, minimum thickness of 2", properly identified or labeled, have a flame spread index of no greater than 25 and a smoke developed index of not more than 50, ASME E84 or UL 723. The insulation shall have a vapor retarder having a maximum permeance of 0.05 perm or aluminum foil having a minimum thickness of 2 mils. All joints and seams in the insulation shall be sealed to maintain the continuity of the vapor retarder. Duct access doors shall not be covered by duct insulation. Made by CertainTeed – SoftTouch Ductwrap Insulation or approved equal. All materials shall be submitted for review and approval before purchased by the Contractor.

## 2.9 DUCTWORK AIR OUTLETS AND RETURNS

### A. Materials:

1. Steel or aluminum. Use aluminum air outlets and inlets for facilities located in high-humidity areas. Exhaust air registers located in combination toilets and shower stalls shall be constructed from aluminum. Provide manufacturer's standard gasket.
2. Exposed Fastenings: The same material as the respective inlet or outlet. Fasteners for aluminum may be stainless steel.
3. Contractor shall review all installation locations and provide all ceiling mounted devices with appropriate dimensions and trim for the specific locations.
4. All materials shall be submitted for review and approval before purchased by the Contractor.

### B. Performance Test Data: In accordance with Air Diffusion Council Code 1062GRD. Refer to Section 23 05 41, NOISE AND VIBRATION CONTROL FOR HVAC PIPING AND EQUIPMENT for NC criteria.

### C. Air Supply Outlets & Return Grills:

Ceiling Diffusers & Return Grills: Suitable for exposed T-bar or special tile ceilings, off-white finish, square or round neck connection as shown on the drawings. **The Contractor shall confirm the manufacturer and style of drop in ceiling to be installed by the Facility to ensure a proper fit and finish.** The Contractor shall furnish and install all ductwork transition pieces, trim kits, volume dampers and needed accessories for installation of the diffuser in ceilings.

Square, louver, fully adjustable pattern: Round neck, T-bar mounting unless shown otherwise on the drawings. Provide equalizing or control grid and volume control damper. Made of aluminum or steel with factory finished white baked enamel coated surfaces. Made by Hart & Cooley or approved equal. All materials shall be approved before purchased by the Contractor.

**PART 3 - EXECUTION**

**3.1 GENERAL**

- A. **It shall be understood by the Contractor, the actual field installation locations and dimensions may vary from what is shown on the contract drawings.** In order to accommodate for such field variations, the Contractor shall manufacture sections of metal ductwork **to allow for proper air flow and to avoid existing obstructions.**
- B. The Contractor shall manufacture and install ductwork transition pieces to interface to **the existing rooftop air handling unit.** The Contractor shall make corrections and provide ductwork transitions to allow for the installation and **proper unobstructed air flow** discharge from the existing rooftop air handling unit. The Contractor shall reference manufacturer installation information on the proper connection of metal ductwork to the existing rooftop air handling unit.
- C. Where equipment furnished varies in dimensions, configuration or location, etc. from the layout indicated on the drawings, the contractor shall make all modifications required to accommodate existing field conditions. Submission of as-built drawings shall indicate all modifications made in the field. The as-built drawings shall be accurate 1/8" = 1'-0" size (minimum) and shall be provided to the Facility Maintenance Manager. The Contractor shall document all deviations by clearly marking the design drawings and submitting a **clear, clean set of marked as-built drawings** after completion of construction.
- D. All ductwork shall be manufactured and installed in a workmanlike manner by **skilled and experienced tradesmen under the direct employment of the Contractor.** All labor directly employed and utilized by the Contractor shall be permanently engaged in this type of work and have an established work history in the respective trade. Work or craftsmanship found to be inferior by the Facility Maintenance Manager shall be corrected by the Contractor **at no delay or additional cost to the Commonwealth.**
- E. It is the full responsibility of the Contractor to ensure the ductwork being furnished and installed fully conforms to this specification and referenced standards by providing schedules and drawings for submission to the Division of Facilities and Property Management or the Facility Maintenance Manager for review. **The Contractor shall incur and shall**

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be fully responsible for any and all costs associated with the ductwork/materials provided by a substitute manufacturer or substitute material. Acceptance of the substitute manufacturer's equipment or materials by the Division of Facilities and Property Management **shall not** relieve the Contractor of the responsibility of meeting all sections of this specification.

- F. **All ductwork, as specified herein, shall be externally insulated** or as otherwise noted on the project drawings or herein specified to be externally wrapped. The Contractor **shall furnish and install duct insulation.**
- G. The execution of the installation of the ductwork shall be performed by the Contractor, in strict accordance with the best practice of the trade, building codes, ductwork standards and the intent of these specifications. All ductwork shall be constructed **according to the best practices of the trade, material manufacturer's recommendations, industry standards and SMACNA Standards.**
- H. In order for the ductwork sections to fit properly, the Contractor may be required to visit the job site several times during the course of installation. There shall be no established limit to the number of job site visits required by the Contractor; these site visits should resolve installation conflicts and installation coordination issues.

### 3.2 **METAL DUCTWORK MANUFACTURING SCHEDULING**

#### A. General

1. In order to avoid days of inactivity, the Contractor shall submit construction schedules to the Facility Maintenance Manager for approval. The schedules shall reflect the sections of ductwork, the dates of completion, drawing references and the on-site presence of the Contractor **on a weekly basis.** These schedules can be distributed via electronic email if possible.
2. If deemed necessary by the Facility Maintenance Manager, regularly scheduled meetings, review and approval of the drawings shall occur to coordinate work and to account for any field modifications proposed by the Contractor. The Facility Maintenance Manager shall schedule on-site meetings with the Contractor to discuss any possible building

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modifications and ductwork changes to account for unforeseen conditions.

### 3.3 DUCTWORK

#### A. General

1. Ducts, casings, fittings, transitions and accessories shall be made of galvanized sheet steel, **G-60** corrosion resistant (**ASTM A653/924**) and shall be manufactured in complete accordance with ASHRAE, SMACNA and **2009 IBC Codes**. Conflicts between these standards and this specification shall be clarified by the design engineer.
2. The Contractor shall furnish and install flexible connections for all ducts to equipment connections. See **FLEXIBLE COLLARS**.
3. All ducts shall be strongly and rigidly constructed and all joints and seams shall be mechanically tight as well as substantially and properly airtight. Sheet metal for slips and drive caps shall be of equal thickness and material as ducts. Tapes and mastics used to seal ductwork shall be labeled with UL 181 A-P for pressure, UL 181 A-M for mastic and UL A-H for heat.
4. Manufacturer's recommendations, 2009 IMC and SMACNA Standards regarding product application, sealing and installation shall be strictly adhered to by the Contractor.
5. Special care shall be taken by the Contractor to properly construct, connect, support and seal all sections of ductwork to prevent excess air leakage.

#### B. Duct Leakage Test

1. **If, during the start-up of the HVAC air systems,** it becomes apparent that excessive duct leakage is occurring, the Division of Facilities and Property Management **may request that the Contractor correct the sections of ductwork installed.** These corrections may be as simple as adding additional sealant to the ductwork. However, if the air leakage is caused by poor construction or improper connections, as determined by the specifying engineer, the Contractor shall repair/replace the sections of ductwork at no additional cost to the Commonwealth.

2. The leakage amount shall not exceed the allotted amount for the pressure class or the allotted amount for that portion of the system, whichever is applicable.

<u>Duct Construction Class</u>	<u>Leakage Class</u>
10" w.g	3
6" w.g.	6
4" w.g.	6
3" w.g.	12

Note: See Section 4 of the SMACNA leakage test manual for normal classification.

3. If deemed necessary by the specifying engineer, leakage test procedures shall follow the outlines and classifications in the SMACNA HVAC Duct Leakage Test Manual.
4. If deemed necessary by the specifying engineer, any section of constructed ductwork fails to meet allotted leakage level, the Contractor shall modify to bring it into compliance and shall retest it until acceptable leakage is demonstrated.
5. Testing for air leakage, improper installation issues and necessary repairs shall be completed prior to concealment of ducts. The final installation shall conform to this specification and shall be field approved by Mr. Bob Artz, F.M.M.

### 3.4 FLEXIBLE COLLARS

- A. Flexible (neoprene) collars shall be provided in all connections between fans and ducts or casings, where required, to prevent excessive movement of long ducts and wherever ducts cross building expansion joints.
- B. Collars shall be approximately four (4") inches long and shall be installed with just sufficient slack to prevent transmission of vibration. Circular collars shall be secured to fans and ducts with 12 gauge metal bands one (1") inch wide. Rectangular collars shall be secured to ducts and fans with 1 x 1/8" flat bars fastened with screws or bolts at eight (8") inch intervals or with slip joints similar to those specified for duct joints, the fabric being tightly crimped into the slip joint and the complete joint being fastened with sheet metal screws at eight (8") inch intervals. Collars shall not be

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painted. Metal for fastening collars shall be the same as specified for ducts and bracing.

### 3.5 DUCTWORK ACCESSORIES

- A. Turning Vanes, Access Doors, Volume Dampers, Connections
1. The Contractor shall furnish and install turning vanes where indicated on drawings or as herein specified.
  2. The Contractor shall furnish and install supply diffusers, return grills, **duct access doors, volume dampers, ductwork joint connection devices, hangers, supports and seals.**
  3. The above specified items shall be manufactured by Hart & Cooley or approved equal. All materials must be approved before purchase by the Contractor.
  4. **The Contractor shall not provide duct smoke detectors, fire dampers and smoke dampers.**

## PART 4 – JOB SITE REQUIREMENTS

### 4.1 VISIT TO SITE

- A. **All Contractors** shall visit the site and carefully note all existing conditions. Any additions or items noted on this visit and not clearly defined in these specifications shall be called to the attention of the Division of Facilities and Property Management. The Contractors must complete a "Proof of Visit" form attached to this specification. All site visits must be made one day in advance (minimum) by contacting Mr. Bob Artz, Facility Maintenance Manager, at (610) 670-4175.
- B. The Contractor shall visit the Facility during normal operational hours (hours set by the Facility) to examine the existing conditions of the building. The Contractor shall sign a Proof of Visit form provided by the Facility. **One signed copy of the Proof of Visit form must be returned with the bid documentation.** Failure to provide this documentation shall void the respective bid.

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- C. The Contractor must ensure the new ductwork shall fit in the mounting location designated. The Contractor shall note the location of the existing structures, piping, lights and electrical conduits to ensure the proper installation of all ductwork. Failure to meet any of these requirements or any other items specified shall disqualify the Contractor from bidding.
- D. In order for the ductwork sections to fit properly, the Contractor may be required to visit the job site **several times during** the course of installation. With the approval of the Facility Maintenance Manager, the Contractor may construct metal ductwork and store respective materials and tools at approved locations at the job site.

5. **GUARANTEE**

All ductwork manufactured and installed by the Contractor shall meet the approval of the Facility Maintenance Manager or the Division of Facilities and Property Management. The ductwork manufactured shall be free from defects in workmanship and material under normal use and service. If, within twelve (12) months from the date of acceptance by the Department of Public Welfare, any of the sections of ductwork herein described is proved to be defective in construction or material, it will be repaired or replaced by the Mechanical Contractor at **no additional cost** to the Commonwealth and to the satisfaction of the Facility Maintenance Manager.

6. **SUBMITTALS/TECHNICAL PROPOSALS**

**Technical Proposal:** The Contractor shall include a technical proposal of equipment and materials to be installed and provided for this project. The technical proposal will be reviewed and approved by the Division of Facilities and Property Management before any major equipment is ordered. The successful Mechanical Contractor shall submit three (3) copies.

The following data/information shall be submitted for approval:

- A. Complete factory equipment cut sheet information as proposed by the Contractor. This shall include **all materials/equipment** to be furnished **and/or** installed by the Contractor. All materials furnished and installed by the Contractor shall be submitted for review prior to purchase.

DEPARTMENT OF PUBLIC WELFARE  
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- B. Drawings showing proposed modifications to the ductwork and/or installation locations.
- C. **Hazardous Material Data Sheets**, data sheets for all hardware and ductwork components such as: diffusers, return grills, ductwork, flex ducts, transitions, turning vanes, duct access doors, flexible connections, duct insulation, duct sealants, caulk, fire sealant, ductwork connections and any other requested item.
- D. Delivery times of material, work schedule and work location requests.

7. **CLARIFICATION**

Any request for **engineering clarification** shall be directed to:

Department of Public Welfare  
Division of Facilities and Property Management  
P.O. Box 2675  
Harrisburg, PA 17105-2675  
Attention: Mr. Gregory P. Chiesa Telephone: (717) 772-2081

Any request for **site information** shall be directed to:

Wernersville State Hospital  
P.O. Box 300, Rt. 422 & Sportsmans Road  
Wernersville, PA 19565  
Attention: Mr. Bob Artz, Facility Maintenance Manager  
Telephone: (610) 670-4175 Fax: (610) 927-1085

Any request for **financial and contract language** shall be directed to:

Department of Public Welfare  
Division of Facilities and Property Management  
P.O. Box 2675  
Harrisburg, PA 17105-2675  
Attention: Mr. Greg Kratzer Telephone: (717) 425-5454

8. **DATES OF COMPLETION**

No materials or equipment may be ordered until the Contractor receives a fully executed contract. All equipment and materials under this entire contract will be delivered and installed within **120 calendar days** from the effective date of the contract. Requests for an extension of time shall be submitted to the Division of Facilities and Property Management in writing. Such requests shall explain the reason for delays, the steps taken to overcome them and the date on which the project will be completed. If approved, a contract amendment will be initiated by the facility. All extensions in the contract completion date must be done in the form of a contract amendment executed prior to the completion date established above.

9. **PROJECT DRAWINGS**

The attached drawings and figures for this project is part and parcel of these specifications. **The drawing is for general guidance only and may not reflect all existing conditions.** The Contractor shall visit the site and measure exact dimensions of the work required and assess the existing site conditions. No claims by the Contractor shall be entertained for any variations or details **not shown** on the drawings provided. Discrepancies between this specification, existing field conditions, codes or the design drawings shall be resolved by the Design Engineer of record. The resolution provided by the Design Engineer for such discrepancies shall be **final** and **benefit the Commonwealth in all cases.**

10. **SECURITY REQUIREMENTS**

- 10.1 The Contractor should make himself familiar with all security requirements of the Facility. Some requirements to be aware of are as follows:
- A. The Contractor is required to provide the Facility with a list of names of all employees working on the project for review by the Facility Security.
  - B. No employees with previous confinement within this Facility will be permitted to work on this project.
  - C. All power actuated anchoring devices (self-contained cartridge-type) must be operated only in the presence of security personnel.
  - D. All construction operations within the Facility must be coordinated with the Facility Maintenance Manager. Regular hours of work are from 7:30 A.M. to 3:30 P.M., Monday through Friday, except STATE Holidays.

- E. Parking: Construction vehicles, as well as employees' vehicles, will be parked in an area designated by the Facility and locked at all times. If any vehicles are to be left overnight, the license number or numbers of the vehicles shall be reported to the Facility's main office on a daily basis.

## **10.2 TOOLS**

Tools shall be kept in a secure (locked) area when not in use and inventoried on a daily basis to insure proper accountability. While being used, they shall be kept in view or on person. Broken or non-usable tools are to be disposed of away from the Facility property. Any missing tools are to be reported promptly to the Facility Director. Particular attention should be paid to tools that may be used as weapons or instruments of escape. Special procedures will be developed with the Department concerning cutting pliers, bolt cutters, hacksaws, welding or cutting equipment. **UNDER NO CIRCUMSTANCES WILL CUTTING TORCHES OR WELDING EQUIPMENT BE LEFT INSIDE THE ENCLOSURE OVERNIGHT OR ON WEEKENDS OR HOLIDAYS.**

## **10.3 FRATERNIZATION**

There shall be no fraternization or private relationships of Contractor's employees with clients of the Wernersville State Hospital. This includes, but is not limited to, trading, bartering, receiving gifts or money favors from the offender or the offender's friends, relatives or representatives.

## **10.4 ALCOHOL AND CONTROLLED SUBSTANCES**

Alcoholic beverages and controlled substances shall not be carried, stored or consumed on the Facility property nor left in any vehicle.

## **10.5 GAMBLING**

Gambling or wagering of any type is not permitted on the Facility property.

## **10.6 WEAPONS FOR IMPLEMENTS FOR ESCAPE**

### **A. OFFENSE DEFINED**

1. A person commits a misdemeanor of the first degree if he unlawfully introduces within a Facility or unlawfully provides a client of the Wernersville State Hospital, thereof, with any weapon, tool, implement or other items, which may be used for escape.

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2. A client of the Wernersville State Hospital commits a misdemeanor of the first degree if he unlawfully procures, makes or otherwise provides himself with or unlawfully has in his possession or under his control, any weapon.
3. A client of the Wernersville State Hospital commits a misdemeanor of the second degree if he unlawfully procures, makes or otherwise provides himself with or unlawfully has in his possession or under his control, any tool, implement or other items, which may be used for escape.

B. DEFINITIONS

1. As used in this section, the word "unlawfully" means surreptitiously or contrary to law, regulation or order of the detaining authority.
2. As used in this section, the word "weapon" means any implement readily capable of lethal use and shall include any firearm, knife, dagger, razor, other cutting or stabbing implement or club, including any item which has been modified or adapted so that it can be used as a firearm, knife, dagger, razor or other cutting or stabbing implement or club. The word "firearm" includes any unloaded firearm and the unassembled components of a firearm.

10.7 CONTRABAND

- A. Providing contraband to any confined persons is prohibited. A person commits a misdemeanor of the first degree if he sells, gives or furnishes to any client of the Wernersville State Hospital or gives away or brings into any Facility or any building appurtenant, thereto or on the land granted to, owned or leased by the Commonwealth or county for the use and benefit of the client offender or employee thereof, any kind of spirituous or fermented liquor, drug, medicine, poison, opium, morphine or other kind of narcotics (except the ordinary supply of the facility) without a written permit signed by the physician of such facility specifying the quantity and quality of the liquor or narcotic which may be furnished to any client or employee in the facility, the name of the client offender or employee for whom and the time when the same may be furnished, which permit shall be delivered to and kept by the Facility Director of the Facility.

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- B. Giving money to any occupant of Wernersville State Hospital is prohibited. A person commits a misdemeanor of the third degree if he gives or furnishes money to any client confined in a state facility, PROVIDED NOTICE OF THIS PROHIBITION IS ADEQUATELY POSTED AT THE FACILITY. A person may; however, deposit money with the Facility Director or other authorized individual in charge of a state Facility for the benefit and use of a client confined therein, which shall be credited to the client's account and expended in accordance with the rules and regulations of the Facility. The person making the deposit shall be provided with a written receipt for the amount deposited. Any person entering this Facility is subject to a search of their person at any time. While the person may refuse, his action may be cause for denial of further entrance.

**11. PROJECT SEQUENCE AND MILESTONES**

- A. Work shall commence when the Contractor receives a fully executed contract. Once the installation activities start on site, **the work sequence shall be completed in consecutive work days until the new systems can be placed into full operation.** Days of inactivity or lack of on-site presence by the Contractor **shall not be allowed** (or shall be allowed if pre-approved and scheduled by the Facility Maintenance Manager).
- B. **At the discretion of the Department of Public Welfare, partial payment may be made to the Contractor. The level of completion shall be based on an assessment of project milestones made by the Facility Maintenance Manager. Partial payments shall only be made if it is determined to be in the best interest of the Commonwealth.**

The following list shall be the proposed project milestones:

1. Materials approved by Engineer of Record. Installation of all materials completed, final equipment connections pending, punch list made, start-up of air systems and final acceptance pending. – 50 % partial payment.
2. Final acceptance of all installed systems, punch list items completed, testing, trouble shooting and start-up completed, final acceptance letter received, as-built drawings received, final inspection completed– 50% final payment.

**END OF SPECIFICATION**

# PROOF OF VISIT

Department of Public Welfare  
Division of Facilities and Property Management

Project No. W-0515-1007  
Duct Installation  
Building No. 31 – Hill Hall  
Wernersville State Hospital

Vendor's Name: BLANSKI ENERGY MANAGEMENT INC.

Address: 1835 PEAR ST.

READING, PA. 19601

I visited the Project site and reviewed the work to be completed prior to submitting a Bid Proposal.

Signature: James R. Reseman Date 08/09/2011

ESCORTED BY:

Facility  
Representative's  
Signature:

[Signature]

Title: BMM

Date Escorted: 9 AUG 11

SPECIAL NOTE TO BIDDER

One signed copy of this Proof of Visit form must be returned with your Bid or your Bid will be rejected.  
You may keep one copy for your records.



**ARTICLE 11: PROJECT DRAWINGS**

**Drawings are available by Request  
To the Division of Facilities  
&  
Property Management**



ARTICLE 12: FORMS

Department of Public Welfare Division of Facilities and Property Management 1401 North 7 <sup>th</sup> Street P. O. Box 2675 Harrisburg, Pennsylvania 17105-2675	<b>Change Order Request</b> # _____ Vendor _____	Project No.: W- _____ Project Title: _____ Facility: _____ Funds Commitment #: _____
---	--	---

**SECTION ONE – COMPLETED BY ORIGINATOR**

A. The Originator of this Change Order Request is:     Facility/Using Agency     Contractor

B. This is a:     Debit     Credit     Time Extension     Other (Choose appropriate boxes)

C. Describe the Change(s) Requested: (Attach letter or proposals, if available.)

\_\_\_\_\_

\_\_\_\_\_

D. Additional Days Requested To Be Added to Contract \_\_\_\_\_ (Days)

E. Original Completion Date of Contract \_\_\_\_\_ New Completion Date of Contract \_\_\_\_\_

F. Dollar Amount of Change Order ( + or - ) \$ \_\_\_\_\_

G. Name of Originator \_\_\_\_\_ Tele # \_\_\_\_\_ Date \_\_\_\_\_

**SECTION TWO – COMPLETED BY FACILITY PROGRAM OFFICE DESIGNEE**

A. Do you agree with the Requested Change Order Description?     Yes     No

(Provide revised description and cost estimate if different from SECTION ONE above.) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

B. This Change Order is a direct result of (choose one only)

- Request of the Facility                       Post Design Revision                       Acts of God/Weather
- Unforeseen Job Conditions                       Other Reasons (explain) \_\_\_\_\_

C. Name of Facility Reviewer: \_\_\_\_\_ Telephone No.: \_\_\_\_\_ Date: \_\_\_\_\_

D. Final Cost of Change Order: \$ \_\_\_\_\_  Debit     Credit

Contingency Funds Available: \$ \_\_\_\_\_ Additional Funds Required: \$ \_\_\_\_\_

Funds to be disencumbered: \$ \_\_\_\_\_

E. Contractor's quote and approval letter attached    \_\_\_\_\_ Yes    \_\_\_\_\_ No

Fund (10 digits)						Cost Center (10 digits)						General Ledger (7 digits)					
Ledger (2 digits)	Approp. (3 digits)		Fiscal Year	All Zeros (3 digits)			Agency (2 digits)	Dep (1)	Organization (4 digits)			Cost Function (3 digits)	Item (1)	Minor Object (3 digits)		Sub-Object (3 digits)	

**SECTION THREE – COMPLETED BY DIVISION OF FACILITIES AND PROPERTY MANAGEMENT**

- A. Change Order Reviewed:     Approved                       Not Approved                       Modified
- B. Reason(s) for disapproval/modification: \_\_\_\_\_  
 \_\_\_\_\_
- C. Title of Reviewer: \_\_\_\_\_ Bureau/Division: \_\_\_\_\_
- D. Name of Reviewer: \_\_\_\_\_ Telephone No.: \_\_\_\_\_ Date \_\_\_\_\_

**SECTION FOUR – COMPLETED BY COMPTROLLER'S OFFICE**

Must be approved by comptroller if contingency funds are not available.

Funds are available in the amount of \$ \_\_\_\_\_ for

Comptroller's Signature: \_\_\_\_\_ Date \_\_\_\_\_

A. Comptroller's Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Upon completion, DFPM will distribute ccs to:
- Comptroller
  - Budget
  - Procurement
  - Facility's COO
  - Facility's Financial Manager
  - Facility's Purchasing Agent
  - Facility's Maintenance Manager
  - DFPM

Department of Public Welfare Division of Facilities and Property Management 1401 North 7 <sup>th</sup> Street P.O. Box 2675 Harrisburg, Pennsylvania 17105	<b>CERTIFICATE          OF          FINAL COMPLETION          AND          FINAL PAYMENT</b>	Project No.: _____ Project Title: _____ Location: _____ Funds Commitment #: _____
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**SECTION ONE**

The Contractor on this project does hereby certify the Final Completion and Inspection Date as follows:

- A. That the work associated with the above-referenced project has been deemed complete on this date, \_\_\_\_\_; and further;
- B. That all of the construction work of this contract on the above-referenced project has been completed in an acceptable manner and in accordance with the plans and specifications and any approved contract modifications thereto, with the exception of those punch list items requiring completion as detailed in Section Two; and;
- C. That the Contractor, by virtue of said completion, can be paid all funds due and owing for the contract indicated above less one and one-half times the aggregate value of those certain Punch List items requiring completion or correction and any additional funds required to be retained by the Department, as set out in the General Conditions of Contract, and as indicated in Section Two or attached documents.

WITNESS the due execution hereof the \_\_\_\_\_ day of \_\_\_\_\_ year \_\_\_\_\_

\_\_\_\_\_  
 Contractor's Name

**SECTION TWO**

A. The Facility and the Designer shall detail all items required to be completed or corrected to comply with the Contract Documents and assess a reasonable cost to complete in the Punch List below (additional sheets may be attached, if required).

ITEM NO.	DESCRIPTION	VALUE
		\$
		\$
		\$
		\$
		\$

Sub Total \$ \_\_\_\_\_  
 X 1.5 Multiplier

Punch List Total \$ \_\_\_\_\_

B. All Punch List Items shall be completed within thirty days after the date of the Final Completion, or before the contract's completion date, whichever comes first.

**Recapitulation of Funds Retained**

Punch List Total Listed Above	\$
Credit Change Order(s) Pending	\$
Debit Change Order(s) Pending	\$
Other Claims Pending	\$
<b>Grand Total</b>	\$ _____

C. The Grand Total Amount is Agreed to by the Following Signees:

Contractor/Owner	Facility Representative	Div. of Fac. & Property Mgmt. Designer
Phone No.: _____	Phone No.: _____	Phone No.: _____
Date: _____	Date: _____	Date: _____

**Vendor signs form and submits final invoice to facility. FMM & DFPM Designer review project and sign form. Facility submits completed form and final invoice to Comptroller for payment.**

## RECIPROCAL LIMITATIONS ACT REQUIREMENTS

Please Complete Applicable Portion of Pages 3 & 4 and Return with Bid.

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**NOTE: These Requirements Do Not Apply To Bids Under \$10,000.00**

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### I. REQUIREMENTS

A. The Reciprocal Limitations Act requires the Commonwealth to give preference to those bidders offering supplies produced, manufactured, mined or grown in Pennsylvania as against those bidders offering supplies produced, manufactured, mined or grown in any state that gives or requires a preference to supplies produced, manufactured, mined or grown in that state. The amount of the preference shall be equal to the amount of the preference applied by the other state for that particular supply.

The following is a list of states which have been found by the Department of General Services to have applied a preference for in-state supplies and the amount of the preference:

STATE	PREFERENCE
1. Alaska	7% (applies only to timber, lumber, and manufactured lumber products originating in the state)
2. Arizona	5% (construction materials produced or manufactured in the state only)
3. Hawaii	10%
4. Illinois	10% for coal only
5. Iowa	5% for coal only
6. Louisiana	4% meat and meat products 4% catfish 10% milk & dairy products 10% steel rolled in Louisiana 7% all other products
7. Montana	5% for residents * 3% for non-residents* *offering in-state goods, supplies, equipment and materials
8. New Mexico	5%
9. New York	3% for purchase of food only
10. Oklahoma	5%
11. Virginia	4% for coal only
12. Washington	5% (fuels mined or produced in the state only)
13. Wyoming	5%

B. The Reciprocal Limitations Act requires the Commonwealth to give preference to those bidders offering printing performed in Pennsylvania as against those bidders offering printing performed in any state that gives or requires a preference to printing performed in that state. The amount of the preference shall be equal to the amount of the preference applied by the other state for that particular category of printing.

The following is a list of states which have been found by the Department of General Services to have applied a preference for in-state printing and the amount of the preference:

STATE	PREFERENCE
1. Hawaii	15%
2. Idaho	10%
3. Louisiana	3%
4. Montana	8%
5. New Mexico	5%
6. Wyoming	10%

C. The Reciprocal Limitations Act, also requires the Commonwealth to give resident bidders a preference against a nonresident bidder from any state that gives or requires a preference to bidders from that state. The amount of the preference shall be equal to the amount of the preference applied by the state of the nonresident bidder. The following is a list of the states which have been found by the Department of General Services to have applied a preference for in-state bidders and the amount of the preference:

STATE	PREFERENCE
1. Alaska	5%(supplies only)
2. Arizona	5%(construction materials from Arizona resident dealers only)
3. California	5%(for supply contracts only in excess of \$100,000.00)

- 4. Connecticut 10%(for supplies only)
- 5. Montana 3%
- 6. New Mexico 5%(for supplies only)
- 7. South Carolina 2%(under \$2,500,000.00)  
 1%(over \$2,500,000.00)  
 This preference does not apply to construction contracts nor where the price of a single unit exceeds \$10,000.
- 8. West Virginia 2.5%(for the construction, repair or improvement of any buildings)
- 9. Wyoming 5%

D. The Reciprocal Limitations Act also requires the Commonwealth not to specify, use or purchase supplies which are produced, manufactured, mined or grown in any state that prohibits the specification for, use, or purchase of such items in or on its public buildings or other works, when such items are not produced, manufactured, mined or grown in such state. The following is a list of the states which have been found by the Department of General Services to have prohibited the use of out-of-state supplies:

**STATE PROHIBITION**

- 1. Alabama Only for printing and binding involving "messages of the Governor to the Legislature", all bills, documents and reports ordered by and for the use of the Legislature or either house thereof while in session; all blanks, circulars, notices and forms used in the office of or ordered by the Governor, or by any state official, board, commission, bureau or department, or by the clerks of the supreme court . . . /and other appellate courts; and all blanks and forms ordered by and for the use of the Senate and Clerk or the House of Representatives, and binding the original records and opinions of the Supreme Court . . . /and other appellate courts/
- 2. Georgia Forest products only
- 3. Indiana Coal
- 4. Michigan Printing
- 5. New Jersey For legislative printing and bidders for all of the following items:\*  
 automotive parts, farm machinery, stainless steel tableware, kitchen small wares, major household appliances, chain link fence, portable sanitation units, glass, glazier supplies, storage batteries, spark plugs and filters, automotive glass, dental casting, prosthetic devices, pianos, musical instruments, carpet and cushion, shades, upholstery materials and supplies, room air conditioning, electrical supplies, plumbing supplies, hardware supplies, fasteners, lumber, building supplies, audiovisual/Video equipment, fire extinguishers, fire hose, motor oils, fuel oil, sporting goods, photographic supplies, police equipment and supplies, venetian blinds, drapes, cheese, fresh fruit and vegetables, ammonia, bleach, pails, cleaning soaps, toilet cleaner, bowl cleaner, sponges, paper towel dispensers, water hose, course paper products, corrections department uniforms fine paper and paper cups.
- 6. New Mexico Construction
- 7. Ohio Only for House and Senate bills, general and local laws, and joint resolutions; the journals and bulletins of the Senate and house of Representatives and reports, communications, and other documents which form part of the journals; reports, communications, and other documents ordered by the General Assembly, or either House, or by the executive department or elective state officers; blanks, circulars, and other work for the use of the executive departments, and elective state officers; and opinions of the Attorney General.
- 8. Rhode Island Only for food for state institutions.

\*If the bid discloses that the bidder is offering to supply one of the above-listed products from the listed state (or in the case of New Jersey, if the bid discloses that the bidder is from New Jersey and it is offering one of the above-listed items), it shall be rejected. Contractors are prohibited from supplying these items from these states.

**II. CALCULATION OF PREFERENCE**

In calculating the preference, the amount of a bid submitted by a Pennsylvania bidder shall be reduced by the percentage preference which would be given to a nonresident bidder by its state of residency (as found by the Department of General Services in Paragraph C above). Similarly, the amount of a bid offering Pennsylvania goods, supplies, equipment or materials shall be reduced by the percentage preference which would be given to another bidder by the state where the goods, supplies, equipment or materials are produced, manufactured, mined or grown (as found by the Department of General Services in Paragraphs A and B above).

THIS FORM MUST BE COMPLETED AND RETURNED WITH THE BID

III. STATE OF MANUFACTURE

All bidders must complete the following chart by listing the name of the manufacturer and the state (or foreign country) of manufacture for each item. If the item is domestically produced, the bidder must indicate the state in the United States where the item will be manufactured. This chart must be completed and submitted with the bid or no later than two (2) business days after notification from the Issuing Office to furnish the information. Failure to complete this chart and provide the required information prior to the expiration of the second business day after notification shall result in the rejection of the bid.

ITEM NUMBER	NAME OF MANUFACTURER	STATE (OR FOREIGN COUNTRY) OF MANUFACTURE
1 -	TITUS GRILLES & DIFFUSERS	ARIZONA & OKLAHOMA
2 -	ADVANCED SHEET METAL SPIRAL DUCT	PA (VINELAND)
3 -	HIGH STEEL, GALV SHEET STEEL	PITTSBURG PA
4 -	BLANSKI ENERGY MGT, DUCT COLLECTOR	READING, PA
5 -	OWENS CORNING DUCT WRAP	TOLEDO, OHIO

IV. BIDDER'S RESIDENCY

A. In determining whether the bidder is a nonresident bidder from a state that gives or requires a preference to bidders from that state, the address given on the first page of this invitation to bid shall be used by the Commonwealth. If that address is incorrect, or if no address is given, the correct address should be provided in the space below:

Correct Address:

BLANSKI ENERGY MGT., INC  
1835 PEAR ST  
READING PA 19601

B. In order to claim the preference provided under Section I.B., Pennsylvania resident bidders must complete the following or have such information on file with the Issuing Office:

1. Address of bidder's bona fide establishment in Pennsylvania at which it was transacting business on the date when bids for this contract/requisition were first solicited:

ON FILE

2. a. If the bidder is a corporation:

(1) The corporation  is or  is not incorporated under the laws of the Commonwealth of Pennsylvania.

(a) If the bidder is incorporated under the laws of the Commonwealth of Pennsylvania, provide date of incorporation:

PA - YES 1980

(b) If the bidder is not incorporated under the laws of the Commonwealth of Pennsylvania, it must have a certificate of authority to do business in the Commonwealth of Pennsylvania from the Pennsylvania Department of State as required by the Pennsylvania Business Corporation Law (15 P.S. §2001). Provide date of issuance of certificate of authority:

N/A

(2) The corporation  is or  is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must register the fictitious name with the Secretary of the Commonwealth and the office of the prothonotary of the county wherein the registered office of such corporation is located as required by the Fictitious Corporate Name Act, as amended 15 P.S. §51 et seq. Corporate bidders conducting business under an assumed or fictitious name must provide date of registry of the assumed or fictitious name:

b. If the bidder is a partnership:

(1) The partnership  is or  is not conducting business in Pennsylvania under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, it must file with the Secretary of the Commonwealth and the office of the prothonotary the county wherein the principal place of business is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as amended 54 P.S. §28.1. Partnerships conducting business under an assumed or fictitious name must provide the date of filing of the assumed or fictitious name with the Secretary of the Commonwealth:

NA

(2) The partnership  is or  is not a limited partnership formed under the laws of any jurisdiction other than the Commonwealth of Pennsylvania. If the bidder is an Out-of-state limited partnership, it must register with the Pennsylvania Department of State as required by the Act of July 10, 1981, P.L. 237, as amended, 59 Pa. C.S.A. §503. Out-of-state limited partnerships must provide the date of registry with the Pennsylvania Department of State:

NA

c. If the bidder is an individual:

He or she  is or  is not conducting business under an assumed or fictitious name. If the bidder is conducting business under an assumed or fictitious name, he or she must file with the Secretary of the Commonwealth and the office of the prothonotary in the county wherein the principal place of business is located as required by the Fictitious Name Act of May 24, 1945, P.L. 967, as amended, 54 P.S. §28.1. Individuals conducting business under an assumed or fictitious name must provide the date of filing of the assumed or fictitious name with the Secretary of the Commonwealth:

NA

DEPARTMENT OF PUBLIC WELFARE  
DIVISION OF FACILITIES AND PROPERTY MANAGEMENT  
P. O. BOX 2675  
1401 NORTH SEVENTH STREET  
HARRISBURG, PENNSYLVANIA 17105-2675

CLARIFICATION NO.: \_\_\_\_\_

Issue Date: \_\_\_\_\_ Project Agency No.: \_\_\_\_\_

Project Title: \_\_\_\_\_ Bid Date: \_\_\_\_\_

Project Location: \_\_\_\_\_

The following explanation and clarification of the project specifications or drawings are provided herein. These items are hereby incorporated into the contract documents as a part of the work.

SPECIFICATIONS:

DRAWINGS:

Project Designer: \_\_\_\_\_ Telephone No.: \_\_\_\_\_

DEPARTMENT OF PUBLIC WELFARE  
DIVISION OF FACILITIES AND PROPERTY MANAGEMENT  
P. O. BOX 2675  
1401 NORTH SEVENTH STREET  
HARRISBURG, PENNSYLVANIA 17105-2675

BULLETIN NO.: \_\_\_\_\_

Issue Date: \_\_\_\_\_ Project No.: \_\_\_\_\_

Project Title: \_\_\_\_\_ Bid Date: \_\_\_\_\_

Project Location: \_\_\_\_\_

The following changes in the project specifications or drawings are provided herein. These items are hereby incorporated into the bid documents as a part of the work and will affect the bid proposal.

SPECIFICATION CHANGES:

DRAWING CHANGES:

Project Designer: \_\_\_\_\_ Telephone No.: \_\_\_\_\_

Please sign and date this Bulletin and attach a copy to the Bid Proposal. Bid will be rejected if this completed Bulletin is not included with the Bid Proposal.

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

**PROOF OF VISIT**

**Department of Public Welfare**  
**Division of Facilities and Property Management**

Project No. W-0515-1007  
Duct Installation  
Building No. 31 – Hill Hall  
Wernersville State Hospital

Vendor's Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

I visited the Project site and reviewed the work to be completed prior to submitting a Bid Proposal.

Signature \_\_\_\_\_ Date \_\_\_\_\_

**ESCORTED BY:**

Facility  
Representative's  
Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date Escorted: \_\_\_\_\_

**SPECIAL NOTE TO BIDDER**

**One signed copy of this Proof of Visit form must be returned with your Bid or your Bid will be rejected.  
You may keep one copy for your records.**

**SAMPLE – NOTICE OF AWARD – over \$25,000.**

[Facility Letterhead]

Date

Contractor's Name  
Address  
Address

RE: DPW Project #:  
[Project Title]  
Amount of Contract - \$00,000.  
Base Bid # \_\_\_\_\_

Gentlemen:

The Department of Public Welfare has determined that your firm has submitted the lowest responsible and responsive bid to perform work on this project. Required bonds and insurance documents must be completed and returned to [Name of Facility] in accordance with Article 9, Contract Surety and Insurance, before any work may begin.

Issuance of this Notice of Award shall not constitute a waiver of the Department's right to rescind the award. Please note that you will not have a commitment from the Department of Public Welfare until you have received a fully executed contract and a Notice to Proceed.

No off-site work should be commenced until you receive the fully executed contract and Notice to Proceed. The Facility will notify you of the date, time, and place of the Initial Job Conference, if required. Please remember that the number of calendar days allotted for completion of this contract is calculated from the effective date listed on the Notice to Proceed.

Sincerely,

[Name ]  
[Title]

**SAMPLE - NOTICE OF AWARD - \$25,000. and under**

[Facility Letterhead]

Date

Contractor's Name  
Address  
Address

RE: DPW Project #:  
[Project Title]  
Amount of Contract - \$00,000.  
Base Bid # \_\_\_\_\_

Gentlemen:

The Department of Public Welfare has determined that your firm has submitted the lowest responsible and responsive bid to perform work on this project. Required insurance documents must be completed and returned to [Name of Facility] in accordance with Article 9, Insurance, before any work may begin.

Issuance of this Notice of Award shall not constitute a waiver of the Department's right to rescind the award. Please note that you will not have a commitment from the Department of Public Welfare until you have received a fully executed contract and a Notice to Proceed.

No off-site work should be commenced until you receive the fully executed contract and Notice to Proceed. The Facility will notify you of the date, time, and place of the Initial Job Conference, if required. Please remember that the number of calendar days allotted for completion of this contract is calculated from the effective date listed on the Notice to Proceed.

Sincerely,

[Name ]  
[Title]

Department of Public Welfare Division of Facilities and Property Management 1401 North 7 <sup>th</sup> Street P. O. Box 2675 Harrisburg, Pennsylvania 17105-2675	<b>APPROVAL FOR MILESTONE PAYMENT</b>	Project No.:
		Project Title:
		Location:
		Funds Commitment #:

Application is made for Milestone payment as shown below:

1. Milestone # \_\_\_\_\_: \$ \_\_\_\_\_

2. Description of Milestone:

The undersigned attest Completion of the Contractual Work conforming to Milestone # \_\_\_\_\_.

\_\_\_\_\_  
Contractor/Owner

\_\_\_\_\_  
Facility  
Representative

\_\_\_\_\_  
DFPM Designer

Phone No.: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

(After reviewed/approved and signed by above entities, attach invoice from Contractor including vendor's address and vendor's SAP #) and forward to DPW's Comptrollers for payment.)

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF PUBLIC WELFARE

Division of Facilities and Property Management  
Engineering Section  
Bertolino Building  
1401 North 7<sup>th</sup> Street, 1<sup>st</sup> Floor  
P. O. Box 2675  
Harrisburg, PA 17105-2675

BULLETIN NO.: 1

Issue Date: Aug 8, 2011 Project No.: W-0515-1007

Project Title: DUCT INSTALLATION  
BUILDING NO. 31 - HILL HALL  
WERNERSVILLE STATE HOSPITAL Bid Date: August 17, 2011

Project Location: Wernersville State Hospital

The following changes in the project specifications or drawings are provided herein. These items are hereby incorporated into the bid documents as a part of the work and will affect the bid proposal.

**BID DATE:**

**REVISION:** Change bid date from Aug 17, 2011 to Aug 31, 2011 at 2:00 PM

**SPECIFICATION CHANGES:**

Please see page 12, Section item 3.1, Part "D" of the specification.

The specification section is provided below for reference:

"All ductwork shall be manufactured and installed in a workmanlike manner by skilled and experienced tradesmen under the direct employment of the Contractor. All labor directly employed and utilized by the Contractor shall be permanently engaged in this type of work and have an established work history in the respective trade. Work or craftsmanship found to be inferior by the Facility Maintenance Manager shall be corrected by the Contractor at no delay or additional cost to the Commonwealth."



**REVISION / CLAIRIFICATION**

All prospective bidding Contractors shall be permitted to utilize secondary services of sheet metal manufacturing and fabrication companies to construct the HVAC duct work.

The Contractor shall utilize manufacturing and fabrication companies which have advanced tools, experience, and quality workmanship in the construction of sheet metal ductwork for HVAC systems.

The Contractor, **not the sheet metal manufacturing/fabrication company**, shall be responsible for the quality and workmanship of the sheet metal ductwork to be furnished and installed under this project. Field modifications and installation of the manufactured ductwork shall be performed by the Contractor and as specified.

Project Designer: Greg Chiesa, PE

Telephone No.: 717-772-2081

Please sign and date this Bulletin and attach a copy to the Bid Proposal package prior to submitting the bid package. This signifies receipt of the Bulletin prior to the bid date. The Bid will be rejected if this completed Bulletin is not included with the Bid Proposal.

Name: James M. Bland Title: President Date: 08/09/2011  
Company: BRANSKI ENERGY MET. INC



**PREVAILING WAGES PROJECT RATES**

**Project Name:** W-0515-1007 Duct Installation Building No. 31 - Hill Hall,  
Wernersville State Hospital  
**Awarding Agency:** DPW - Office of Mental Health and Substance Abuse Services  
**Contract Award Date:** 8/15/2011  
**Serial Number:** 11-04770  
**Project Classification:** Building  
**Determination Date:** 7/13/2011  
**Assigned Field Office:** Scranton  
**Field Office Phone Number:** 570-963-4577  
**Toll Free Phone Number:** 877-214-3962

**Berks County**

Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	6/28/2010		\$30.63	\$20.13	\$50.76
Asbestos & Insulation Workers	6/27/2011		\$31.67	\$21.09	\$52.76
Boilermaker (Commercial, Institutional, and Minor Repair Work)	1/1/2010		\$23.59	\$15.15	\$38.74
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2011		\$24.22	\$16.02	\$40.24
Boilermakers	1/1/2011		\$37.35	\$28.12	\$65.47
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/3/2009		\$28.48	\$14.19	\$42.67
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	10/4/2009		\$28.48	\$14.24	\$42.72
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/2/2010		\$30.41	\$14.28	\$44.69
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/2/2011		\$30.41	\$14.28	\$44.69
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2008		\$24.42	\$9.67	\$34.09
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2009		\$25.69	\$10.27	\$35.96
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2010		\$26.71	\$11.02	\$37.73
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2011		\$27.61	\$11.77	\$39.38
Cement Finishers	5/1/2009		\$29.10	\$10.75	\$39.85



**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Cement Finishers	5/1/2010		\$30.85	\$10.75	\$41.60
Cement Finishers	5/1/2011		\$32.45	\$11.15	\$43.60
Dockbuilder, Pile Drivers	1/1/2010		\$29.95	\$12.25	\$42.20
Dockbuilder, Pile Drivers	1/1/2011		\$30.35	\$13.10	\$43.45
Dockbuilder, Pile Drivers	1/1/2012		\$30.85	\$13.70	\$44.55
Dockbuilder, Pile Drivers	1/1/2013		\$31.45	\$14.20	\$45.65
Drywall Finisher	5/1/2009		\$23.31	\$12.57	\$35.88
Drywall Finisher	5/1/2010		\$23.86	\$13.42	\$37.28
Drywall Finisher	5/1/2011		\$23.86	\$15.42	\$39.28
Electric Lineman	6/1/2008		\$35.28	\$14.90	\$50.18
Electric Lineman	5/31/2009		\$37.27	\$15.43	\$52.70
Electric Lineman	5/31/2010		\$35.73	\$17.12	\$52.85
Electric Lineman	5/30/2011		\$36.57	\$17.34	\$53.91
Electric Lineman	11/28/2011		\$37.42	\$17.57	\$54.99
Electric Lineman	5/28/2012		\$38.30	\$17.81	\$56.11
Electric Lineman	11/26/2012		\$39.18	\$18.04	\$57.22
Electricians	9/1/2010		\$31.87	\$16.76	\$48.63
Electricians	3/1/2011		\$30.87	\$17.72	\$48.59
Elevator Constructor	1/1/2008		\$37.85	\$16.47	\$54.32
Elevator Constructor	1/1/2010		\$40.08	\$20.24	\$60.32
Elevator Tender (Use Elevator Apprentice or Constructor)	1/1/2005		\$0.00	\$0.00	\$0.00
Glazier	6/1/2008		\$27.00	\$12.64	\$39.64
Glazier	6/1/2009		\$29.22	\$11.92	\$41.14
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2010		\$28.50	\$22.20	\$50.70
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2011		\$29.50	\$22.70	\$52.20
Laborers (Class 01 - See notes)	5/1/2009		\$19.43	\$9.73	\$29.16
Laborers (Class 01 - See notes)	5/1/2010		\$19.43	\$11.43	\$30.86
Laborers (Class 01 - See notes)	5/1/2011		\$19.42	\$12.14	\$31.56
Laborers (Class 02 - See notes)	5/1/2009		\$21.43	\$9.73	\$31.16
Laborers (Class 02 - See notes)	5/1/2010		\$21.43	\$11.43	\$32.86

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Laborers (Class 02 - See notes)	5/1/2011		\$21.42	\$12.14	\$33.56
Laborers (Class 03 - See notes)	5/1/2009		\$23.43	\$9.73	\$33.16
Laborers (Class 03 - See notes)	5/1/2010		\$23.43	\$11.43	\$34.86
Laborers (Class 03 - See notes)	5/1/2011		\$22.72	\$12.14	\$34.86
Laborers (Class 04 - See notes)	5/1/2009		\$24.93	\$9.73	\$34.66
Laborers (Class 04 - See notes)	5/1/2010		\$24.93	\$11.43	\$36.36
Laborers (Class 04 - See notes)	5/1/2011		\$24.22	\$12.14	\$36.36
Laborers (Class 05 - See notes)	5/3/2009		\$25.43	\$9.86	\$35.29
Laborers (Class 05 - See notes)	5/1/2010		\$25.43	\$11.43	\$36.86
Laborers (Class 05 - See notes)	5/1/2011		\$24.72	\$12.14	\$36.86
Laborers (Class 06 - See notes)	5/1/2011		\$20.77	\$12.14	\$32.91
Millwright	5/1/2009		\$27.41	\$13.47	\$40.88
Millwright	5/1/2010		\$28.91	\$13.99	\$42.90
Millwright	5/1/2011		\$30.27	\$14.63	\$44.90
Operators (Building/Heavy, Class 01 - See Notes)	5/1/2009		\$29.42	\$16.89	\$46.31
Operators (Building/Heavy, Class 01 - See Notes)	5/1/2010		\$30.76	\$17.85	\$48.61
Operators (Building/Heavy, Class 01 - See Notes)	5/1/2011		\$32.06	\$18.85	\$50.91
Operators (Building/Heavy, Class 01a - See Notes)	5/1/2009		\$31.67	\$17.55	\$49.22
Operators (Building/Heavy, Class 01a - See Notes)	5/1/2010		\$33.01	\$18.51	\$51.52
Operators (Building/Heavy, Class 01a - See Notes)	5/1/2011		\$34.31	\$19.51	\$53.82
Operators (Building/Heavy, Class 02 - See Notes)	5/1/2009		\$29.13	\$16.81	\$45.94
Operators (Building/Heavy, Class 02 - See Notes)	5/1/2010		\$30.47	\$17.77	\$48.24
Operators (Building/Heavy, Class 02 - See Notes)	5/1/2011		\$31.77	\$18.77	\$50.54
Operators (Building/Heavy, Class 02a - See Notes)	5/1/2009		\$31.38	\$17.48	\$48.86
Operators (Building/Heavy, Class 02a - See Notes)	5/1/2010		\$32.72	\$18.44	\$51.16
Operators (Building/Heavy, Class 02a - See Notes)	5/1/2011		\$34.02	\$19.44	\$53.46
Operators (Building/Heavy, Class 03 - See Notes)	5/1/2009		\$26.22	\$15.94	\$42.16
Operators (Building/Heavy, Class 03 - See Notes)	5/1/2010		\$27.55	\$16.91	\$44.46

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Operators (Building/Heavy, Class 03 - See Notes)	5/1/2011		\$28.85	\$17.91	\$46.76
Operators (Building/Heavy, Class 04 - See Notes)	5/1/2009		\$25.08	\$15.61	\$40.69
Operators (Building/Heavy, Class 04 - See Notes)	5/1/2010		\$26.42	\$16.57	\$42.99
Operators (Building/Heavy, Class 04 - See Notes)	5/1/2011		\$27.72	\$17.57	\$45.29
Operators (Building/Heavy, Class 05 - See Notes)	5/1/2009		\$24.64	\$15.47	\$40.11
Operators (Building/Heavy, Class 05 - See Notes)	5/1/2010		\$25.96	\$16.45	\$42.41
Operators (Building/Heavy, Class 05 - See Notes)	5/1/2011		\$27.27	\$17.44	\$44.71
Operators (Building/Heavy, Class 06 - See Notes)	5/1/2009		\$23.76	\$15.21	\$38.97
Operators (Building/Heavy, Class 06 - See Notes)	5/1/2010		\$25.09	\$16.18	\$41.27
Operators (Building/Heavy, Class 06 - See Notes)	5/1/2011		\$26.39	\$17.18	\$43.57
Operators (Building/Heavy, Class 07/A - See Notes)	5/1/2009		\$35.30	\$19.38	\$54.68
Operators (Building/Heavy, Class 07/A - See Notes)	5/1/2010		\$36.91	\$20.43	\$57.34
Operators (Building/Heavy, Class 07/A - See Notes)	5/1/2011		\$38.47	\$21.53	\$60.00
Operators (Building/Heavy, Class 07/B - See Notes)	5/1/2009		\$34.96	\$19.27	\$54.23
Operators (Building/Heavy, Class 07/B - See Notes)	5/1/2010		\$36.56	\$20.33	\$56.89
Operators (Building/Heavy, Class 07/B - See Notes)	5/1/2011		\$38.12	\$21.43	\$59.55
Painters Class 1 (see notes)	5/1/2009		\$22.75	\$12.57	\$35.32
Painters Class 1 (see notes)	5/1/2010		\$23.30	\$13.42	\$36.72
Painters Class 1 (see notes)	5/1/2011		\$24.05	\$14.52	\$38.57
Painters Class 2 (see notes)	5/1/2009		\$24.75	\$12.57	\$37.32
Painters Class 2 (see notes)	5/1/2010		\$25.30	\$13.42	\$38.72
Painters Class 2 (see notes)	5/1/2011		\$26.05	\$14.52	\$40.57
Painters Class 3 (see notes)	5/1/2009		\$25.60	\$12.57	\$38.17
Painters Class 3 (see notes)	5/1/2010		\$29.60	\$13.42	\$43.02
Painters Class 3 (see notes)	5/1/2011		\$30.35	\$14.52	\$44.87
Pile Driver Divers (Building, Heavy, Highway)	1/1/2009		\$43.28	\$12.00	\$55.28
Pile Driver Divers (Building, Heavy, Highway)	1/1/2010		\$44.39	\$12.25	\$56.64
Pile Driver Divers (Building, Heavy, Highway)	1/1/2010		\$44.39	\$12.25	\$56.64

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Pile Driver Divers (Building, Heavy, Highway)	1/1/2011		\$45.53	\$13.00	\$58.53
Pile Driver Divers (Building, Heavy, Highway)	1/1/2012		\$46.28	\$13.60	\$59.88
Pile Driver Divers (Building, Heavy, Highway)	1/1/2013		\$47.18	\$14.10	\$61.28
Plasterers	5/1/2009		\$23.70	\$12.96	\$36.66
Plasterers	5/1/2010		\$23.95	\$14.46	\$38.41
Plumbers	5/1/2010		\$34.50	\$24.04	\$58.54
Plumbers	5/1/2011		\$34.50	\$26.04	\$60.54
Plumbers	5/1/2012		\$34.50	\$28.29	\$62.79
Roofers (Composition)	5/1/2009		\$30.00	\$23.10	\$53.10
Roofers (Composition)	5/1/2010		\$30.75	\$24.95	\$55.70
Roofers (Composition)	5/1/2011		\$30.75	\$25.95	\$56.70
Roofers (Shingle, Slate, Tile)	5/1/2011		\$23.75	\$15.62	\$39.37
Roofers (Shingle, Slate, Tiles)	5/1/2009		\$23.25	\$13.62	\$36.87
Sheet Metal Workers	6/1/2008		\$28.98	\$27.45	\$56.43
Sheet Metal Workers	6/1/2009		\$29.56	\$29.12	\$58.68
Sheet Metal Workers	6/1/2010		\$29.59	\$29.69	\$59.28
Sheet Metal Workers	6/1/2011		\$29.59	\$30.44	\$60.03
Sheet Metal Workers	6/1/2012		\$29.59	\$31.44	\$61.03
Sign Makers and Hangars	7/1/2009		\$24.17	\$15.99	\$40.16
Sign Makers and Hangars	5/21/2010		\$24.33	\$16.37	\$40.70
Sprinkersfitters	1/1/2010		\$33.85	\$17.60	\$51.45
Sprinkersfitters	1/1/2011		\$33.35	\$18.45	\$51.80
Sprinkersfitters	4/1/2011		\$34.18	\$18.45	\$52.63
Sprinkersfitters	1/1/2012		\$34.18	\$18.60	\$52.78
Sprinkersfitters	4/1/2012		\$35.21	\$18.65	\$53.86
Sprinkersfitters	1/1/2013		\$35.21	\$18.80	\$54.01
Steamfitters	5/1/2009		\$37.76	\$25.00	\$62.76
Steamfitters	5/1/2010		\$39.36	\$26.26	\$65.62
Terrazzo Finisher	5/1/2009		\$26.54	\$14.37	\$40.91
Terrazzo Finisher	5/1/2010		\$27.89	\$14.42	\$42.31

**PREVAILING WAGES PROJECT RATES**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Terrazzo Finisher	5/1/2011		\$28.14	\$14.42	\$42.56
Terrazzo Setter	5/1/2009		\$25.86	\$17.27	\$43.13
Terrazzo Setter	5/1/2010		\$27.21	\$17.32	\$44.53
Terrazzo Setter	5/1/2011		\$27.46	\$17.32	\$44.78
Tile & Marble Finisher	5/1/2009		\$21.48	\$12.39	\$33.87
Tile & Marble Finisher	5/1/2010		\$22.23	\$12.52	\$34.75
Tile & Marble Finisher	5/1/2011		\$23.18	\$12.52	\$35.70
Tile & Marble Layer	5/1/2009		\$24.15	\$13.86	\$38.01
Tile & Marble Layer	5/1/2010		\$24.90	\$13.86	\$38.76
Tile & Marble Layer	5/1/2011		\$25.85	\$13.86	\$39.71
Tilesetters & Marble Masons	1/1/2010		\$29.95	\$12.25	\$42.20
Tilesetters & Marble Masons	1/1/2010		\$29.95	\$12.25	\$42.20
Tilesetters & Marble Masons	5/1/2010		\$24.90	\$13.99	\$38.89
Tilesetters & Marble Masons	5/1/2010		\$24.90	\$13.99	\$38.89
Tilesetters & Marble Masons	1/1/2011		\$30.35	\$13.00	\$43.35
Tilesetters & Marble Masons	1/1/2011		\$30.35	\$13.00	\$43.35
Tilesetters & Marble Masons	5/1/2011		\$25.85	\$13.99	\$39.84
Tilesetters & Marble Masons	5/1/2011		\$25.85	\$13.99	\$39.84
Tilesetters & Marble Masons	1/1/2012		\$30.85	\$13.60	\$44.45
Tilesetters & Marble Masons	1/1/2012		\$30.85	\$13.60	\$44.45
Tilesetters & Marble Masons	1/1/2013		\$31.45	\$14.10	\$45.55
Tilesetters & Marble Masons	1/1/2013		\$31.45	\$14.10	\$45.55
Truckdriver class 1(see notes)	5/1/2009		\$28.58	\$0.00	\$28.58
Truckdriver class 1(see notes)	5/1/2010		\$29.58	\$0.00	\$29.58
Truckdriver class 1(see notes)	5/1/2011		\$30.73	\$0.00	\$30.73
Truckdriver class 2 (see notes)	5/1/2009		\$28.65	\$0.00	\$28.65
Truckdriver class 2 (see notes)	5/1/2010		\$29.65	\$0.00	\$29.65
Truckdriver class 2 (see notes)	5/1/2011		\$30.80	\$0.00	\$30.80
Truckdriver class 3 (see notes)	5/1/2009		\$29.14	\$0.00	\$29.14
Truckdriver class 3 (see notes)	5/1/2010		\$30.14	\$0.00	\$30.14
Truckdriver class 3 (see notes)	5/1/2011		\$31.29	\$0.00	\$31.29

**PREVAILING WAGES PROJECT RATES**

<b>Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Carpenters	5/1/2009		\$25.30	\$9.86	\$35.16
Carpenters	5/1/2010		\$25.98	\$10.83	\$36.81
Carpenters	5/1/2011		\$27.03	\$11.43	\$38.46
Laborers (Class 01 - See notes)	5/1/2009		\$16.22	\$11.03	\$27.25
Laborers (Class 01 - See notes)	5/1/2010		\$16.77	\$11.88	\$28.65
Laborers (Class 01 - See notes)	5/1/2011		\$17.32	\$12.78	\$30.10
Laborers (Class 02 - See notes)	5/1/2009		\$22.84	\$11.03	\$33.87
Laborers (Class 02 - See notes)	5/1/2010		\$23.39	\$11.88	\$35.27
Laborers (Class 02 - See notes)	5/1/2011		\$23.94	\$12.78	\$36.72
Laborers (Class 03 - See notes)	5/1/2009		\$19.83	\$11.03	\$30.86
Laborers (Class 03 - See notes)	5/1/2010		\$20.38	\$11.88	\$32.26
Laborers (Class 03 - See notes)	5/1/2011		\$20.93	\$12.78	\$33.71
Laborers (Class 04 - See notes)	5/1/2009		\$20.18	\$11.03	\$31.21
Laborers (Class 04 - See notes)	5/1/2010		\$20.73	\$11.88	\$32.61
Laborers (Class 04 - See notes)	5/1/2011		\$21.28	\$12.78	\$34.06
Laborers (Class 05 - See notes)	5/1/2009		\$20.85	\$11.03	\$31.88
Laborers (Class 05 - See notes)	5/1/2010		\$21.40	\$11.88	\$33.28
Laborers (Class 05 - See notes)	5/1/2011		\$21.95	\$12.78	\$34.73
Laborers (Class 06 - See notes)	5/1/2009		\$20.27	\$11.03	\$31.30
Laborers (Class 06 - See notes)	5/1/2010		\$20.82	\$11.88	\$32.70
Laborers (Class 06 - See notes)	5/1/2011		\$21.37	\$12.78	\$34.15
Laborers (Class 07 - See notes)	5/1/2009		\$20.56	\$11.03	\$31.59
Laborers (Class 07 - See notes)	5/1/2010		\$21.11	\$11.88	\$32.99
Laborers (Class 07 - See notes)	5/1/2011		\$21.66	\$12.78	\$34.44
Laborers (Class 08 - See notes)	5/1/2009		\$21.04	\$11.03	\$32.07
Laborers (Class 08 - See notes)	5/1/2010		\$21.59	\$11.88	\$33.47
Laborers (Class 08 - See notes)	5/1/2011		\$22.14	\$12.78	\$34.92
Operators (Highway, Class 01 - See Notes)	5/1/2010		\$28.79	\$17.26	\$46.05
Operators (Highway, Class 01 - See Notes)	5/1/2011		\$30.09	\$18.26	\$48.35
Operators (Highway, Class 01a - See Notes)	5/1/2010		\$31.04	\$17.94	\$48.98

**PREVAILING WAGES PROJECT RATES**

Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Highway, Class 01a - See Notes)	5/1/2011		\$32.34	\$18.94	\$51.28
Operators (Highway, Class 02 - See Notes)	5/1/2010		\$27.61	\$16.92	\$44.53
Operators (Highway, Class 02 - See Notes)	5/1/2011		\$28.91	\$17.92	\$46.83
Operators (Highway, Class 03 - See Notes)	5/1/2010		\$26.91	\$16.72	\$43.63
Operators (Highway, Class 03 - See Notes)	5/1/2011		\$28.21	\$17.72	\$45.93
Operators (Highway, Class 04 - See Notes)	5/1/2010		\$26.46	\$16.59	\$43.05
Operators (Highway, Class 04 - See Notes)	5/1/2011		\$27.76	\$17.59	\$45.35
Operators (Highway, Class 05 - See Notes)	5/1/2010		\$25.95	\$16.44	\$42.39
Operators (Highway, Class 05 - See Notes)	5/1/2011		\$27.25	\$17.44	\$44.69
Operators (Highway, Class 06 - See Notes)	5/1/2010		\$29.03	\$17.32	\$46.35
Operators (Highway, Class 06 - See Notes)	5/1/2011		\$30.33	\$18.32	\$48.65
Operators (Highway, Class 06/A - See Notes)	5/1/2010		\$31.28	\$17.98	\$49.26
Operators (Highway, Class 06/A - See Notes)	5/1/2011		\$32.58	\$18.98	\$51.56
Operators (Highway, Class 07/A - See Notes)	5/1/2010		\$34.55	\$19.72	\$54.27
Operators (Highway, Class 07/A - See Notes)	5/1/2011		\$36.10	\$20.83	\$56.93
Operators (Highway, Class 07/B - See Notes)	5/1/2010		\$33.13	\$19.31	\$52.44
Operators (Highway, Class 07/B - See Notes)	5/1/2011		\$34.69	\$20.41	\$55.10
Piledrivers	5/1/2010		\$25.98	\$10.83	\$36.81
Piledrivers	5/1/2011		\$27.03	\$11.43	\$38.46
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2006		\$27.01	\$22.48	\$49.49
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2010		\$30.27	\$26.09	\$56.36
Truckdriver class 1(see notes)	5/1/2009		\$28.58	\$0.00	\$28.58
Truckdriver class 1(see notes)	5/1/2010		\$29.58	\$0.00	\$29.58
Truckdriver class 1(see notes)	5/1/2011		\$30.73	\$0.00	\$30.73
Truckdriver class 2 (see notes)	5/1/2009		\$28.65	\$0.00	\$28.65
Truckdriver class 2 (see notes)	5/1/2010		\$29.65	\$0.00	\$29.65
Truckdriver class 2 (see notes)	5/1/2011		\$30.80	\$0.00	\$30.80
Truckdriver class 3 (see notes)	5/1/2009		\$29.14	\$0.00	\$29.14

**PREVAILING WAGES PROJECT RATES**

<b>Heavy/Highway</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Truckdriver class 3 (see notes)	5/1/2010		\$30.14	\$0.00	\$30.14
Truckdriver class 3 (see notes)	5/1/2011		\$31.29	\$0.00	\$31.29

STANDARD BID TABULATION  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF PUBLIC WELFARE

NAME OF VENDOR	BASE BID #1	BASE BID #2	PROPOSAL NUMBER		FACILITY
			W-0515-1007	Wernersville State Hospital	
			NRM PROJECT		BID OPENING DATE
			Duct Installation, Building No. 31 - Hill Hall		August 31, 2011 2:00 PM
			BASE BID #3		
A. H. Moyer Mechanical Services 820 East Lincoln Avenue Myerstown, PA 17067	\$ 22,822.00				
Environmental Construction Svcs, Inc. 2100 Byberry Road Philadelphia, PA 19116	NO BID RETURNED				
G.R. Sponaugle & Sons, Inc. 4391 Chambers Hill Road, P.O. Box 4456 Harrisburg, PA 17111	NO BID RETURNED				
Henry Mechanical, Inc. 216 Sycamore Lane New Holland, PA 17557	NO BID RETURNED				
Layco, Inc. 3804 Brytton Lane Harrisburg, PA 17110	NO BID RETURNED				
Mc Clure Co., Inc. 4101 North 6 <sup>th</sup> Street, P.O. Box 1579 Harrisburg, PA 17105-1579	NO BID RETURNED				
Power Mechanical Corporation P.O. Box 1048 Wilkes Barre, PA 18703	NO BID RETURNED				
Trinity Construction Management 643 South 60 <sup>th</sup> Street Philadelphia, PA 19143	NO BID RETURNED				
Blanski Energy Management Inc. 1835 Pear Street Reading, PA 19601	\$ 15,985.00				

FOR DIVISION OF PROCUREMENT USE ONLY (WITNESSED OPENINGS)

DEPT. PUBLIC WELFARE  
  
 Beth A. Leach  
 DEPT. COMPTROLLER  
  
 Christina A. Schwager  
 TREASURY

FOR LOCAL AWARDS (BIDS OPENED IN PRESENCE OF)

I CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT COPY OF BIDS RECEIVED AND AWARDS MADE.

APPROVED SIGNATURE \_\_\_\_\_ BUSINESS MANAGER  
 PURCHASING AGENT \_\_\_\_\_

TIE BIDS - AWARDED BY BUSINESS MANAGER



REQUEST TO ADVERTISE SOLICITATION: W-0515-1007

**General Information**

**Department:**  
**Date Prepared:** 07/28/11      **Type:** IFB  
**Advertisement Type :** Agency Construction  
**Solicitation# :** W-0515-1007      **Solicitation Title :** Duct Installation Building No. 31 - Hill Hall

**Description :** Furnish and install sheet metal ductwork used for heating, ventilation and air conditioning (HVAC) systems. The Contractor shall provide all labor, materials and tools needed to install sheet metal ductwork and related accessories at Wernersville State Hospital.

**Department Information**

**Department/Agency :** Public Welfare      **Delivery Location :** Wernersville State Hospital, Rt. 422 & Sportsmans Road, Wernersville, PA 19565  
**County (if applicable) :** Berks      **Duration :** 120 days

**Contact Information**

**First Name :** Christina      **Last Name:** Schmoyer  
**Phone Number :** 717-772-2092 Ext:      **Email :** chschmoyer@state.pa.us

**Bid Information**

**Solicitation Start Date:** 07/28/11      **Solicitation End Date :** 08/17/11  
**Bid Opening Date :** 08/17/11      **Bid Opening Time :** 2:00 PM  
**Bid Opening Location:** 1401 North 7th Street, Bertolino Building, 2nd Floor, Harrisburg, PA 17105

Is there a Pre-proposal Conference?      **No. of Flyers: (# of bid versions)**  
 Check here if this Solicitation is in SRM

**Amended Date:** 07/28/11

Close Window

