

ARTICLE 10: PROJECT SPECIFICATIONS

DEVELOPED AND APPROVED BY:  
Division of Facilities and Property Management  
*Christopher Clouser* 8-20-2010  
Christopher Clouser, AD2 Date

**SPECIFICATIONS**  
**DIVISION 01 - GENERAL REQUIREMENTS**  
**SECTION 01010**  
**SUMMARY OF WORK**

**PART 1 – GENERAL**

1.1 STIPULATIONS

A. Related Documents

1. The "General Conditions for Construction Projects" form a part of this specification section by reference thereto and shall have the same force and effect as if printed herewith in full.

1.2 SCOPE OF WORK

A. The scope of work for this project covers the supplying of all the labor, materials, scaffolding, ladders, tools, equipment and appurtenances to remove an existing deteriorated spray polyurethane roofing (SPF) system from the Forensic Unit, Building No. 51 and install a new Thermoplastic Polyolefin (TPO) single ply membrane roofing system over the existing roof deck within the contract area as indicated on Drawing A-1 of 1. The work shall include, but not limited to, the following:

1. Furnish and install new 60 mil thermoplastic membrane roofing and flashing, fully adhered to a new rigid tapered polyisocyanurate insulation system adhered using commercial insulation adhesive approved by membrane manufacturer. Insulation shall have an average rating of R-20 minimum.
2. Patch and repair up to 250 S.F. of existing spalling or cracked roof decking to make acceptable to the membrane manufacturer.
3. Furnish and install new retrofit roof drain assemblies at existing roof drain locations within the contract limits.
4. Furnish and install through wall emergency overflow scuppers at locations indicated on contract drawing.
5. Furnish and install new TPO protection layer or walk pads welded to membrane located beneath all wood supports for electrical conduit, electrical equipment and at locations as indicated on contract drawing. All equipment is considered functional and the contractor will be liable for any broken and/or damaged equipment.

PROJECT REFERENCE NO. W-0509-0908  
PARTIAL ROOF REPLACEMENT  
BUILDING No. 51 – FORENSIC UNIT  
NORRISTOWN STATE HOSPITAL  
Page 2 of 35

6. Provide and install P.T. wood blocking, fastening anchorage, caulking and other roofing material necessary to complete installation of the new TPO roofing system.
7. Rake out all deteriorated stone capping cap mortar joints and masonry parapet mortar joints and apply a gun-able sikaflex textured sealant or approved equal to restore masonry joints located within the contract limits.
8. Remove and replace all damaged copper flashings located within contract limits. Replace damaged counter flashings encountered with new unit surface mounted aluminum counter flashing. Replace all existing counter flashing deemed unacceptable by the roofing membrane manufacturer.
9. Perform all curb flashing at all rooftop mounted mechanical equipment curbs in accordance with the membrane manufacturer requirements. Construct new pitch pockets at locations illustrated on contract drawing.
10. Perform tie in of new TPO roofing system to existing SPF roofing to remain in accordance with manufacturer's requirements as detailed on contract drawing.

### 1.3 PROJECT DRAWINGS

The following drawing(s) forms a part of the Contract Documents:

A- 1 – Roof Replacement Plans, Details and Notes

### 1.4 DATES OF COMPLETION

No work shall commence until the Contractor receives a fully executed contract. All work under this contract shall be completed within **90 calendar days** from the effective date of the contract. Requests for extension of time shall be submitted in accordance with the General Conditions for Construction Projects.

### 1.5 VISIT TO SITE

It is mandatory that the Contractor shall visit the site prior to bidding and carefully note all existing conditions. Any additions or items noted on his visit, not clearly defined in the specifications or on the drawings, shall be brought to the attention of the Project Designer. All visits shall be made only after contacting the Facility Maintenance Manager, Mr. Joseph Mack, at (610) 313-5465. All prospective bidders shall sign the attached Proof of Visit form. **One signed copy of the Proof of Visit form shall be returned with the bid or your bid will be rejected.**

1.6 CLARIFICATION OF CONTRACT DOCUMENTS

- A. Any request for project clarification of technical drawings or specifications shall be directed to the Project Designer:

Division of Facilities and Property Management  
Department of Public Welfare  
P.O. Box 2675, Harrisburg, PA 17105-2675  
Attention: Christopher J. Clouser, Arch. Designer  
Telephone: (717) 772-0890, Fax: (717) 772-2091

- B. Any request for project clarification of financial or contract language shall be directed to the Contract Officer/Project Officer:

Norristown State Hospital  
1001 East Sterigere Street  
Norristown, PA 19401  
Attention: Mr. Ron Cropper  
Telephone: (610) 313-5434, Fax: (610) 313-1013

- C. Any request for project clarification of contract language or general conditions shall be directed to:

Department of Public Welfare, Division of Facilities and Property Management  
P.O. Box 2675, Harrisburg, PA 17105-2675  
Attention: Mr. Charles "Doug" Shellenberger  
Telephone: (717) 425-5454, Fax: (717) 772-2091

**END OF SECTION**

**SECTION 01025**  
**EXPLANATION OF UNIT PRICES**

**PART 1 - GENERAL**

1.1. STIPULATIONS

- A. The "General Conditions for Construction Projects" form a part of this section by this reference thereto and shall have the same force and effect as if printed herewith in full.

1.2 PROCEDURES

- A. Unit prices will be used as the basis for computing "additions to" or "deductions from" the contract price for extra work and for work countermanded, reduced or omitted. The unit price does not affect the Lump Sum Bid's total cost but may be the basis of changes used to adjust the contract costs.
- B. The unit prices, when accepted, adjusted or established by the contract, shall remain binding and irrevocable for the entire period of the contract.
- C. The acceptance of a unit price is on condition that the general character of the material and workmanship required for any work related thereto shall be equivalent to corresponding work as shown and specified and that all costs, overhead and profit as well as all incidental work required in connection therewith, have been included in the unit price.
- D. Each bidder shall carefully check the drawings and specifications for base bid quantities required under the contract.
- E. Follow the Instructions to Bidders and the requirements for completion of the Bid Proposal Form.
- F. The Department will not be bound by the unit prices unless it accepts the same, in writing, before it issues a Notice of Award of the contract. The Department may award the contract without accepting the bidder's inserted unit prices. If, after such award the parties cannot agree, the Department may, at its discretion, direct the Contractor to perform such work on a force account basis.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
Page 5 of 35

1.3 UNIT PRICES

ITEM NO.	DESCRIPTION	UNIT OF MEASUREME	UNIT PRICE ADD/DEDUCT
1	Remove deteriorated sections of concrete roof deck encountered and furnish and install new concrete roof deck to match existing concrete roof deck construction and removed sections. All structural deck repairs shall be performed in accordance with all applicable provisions of the 2009 International Building Code.	Sq. Ft	\$

**END OF SECTION**

**SECTION 01030**  
**EXPLANATION OF BASE BIDS**

**PART 1 - GENERAL**

**1.1 STIPULATIONS**

**A. Related Documents**

1. The "General Conditions for Construction Projects" form a part of this specification section by reference thereto and shall have the same force and effect as if printed herewith in full.
2. It is the intention of the Department of Public Welfare to have all of the work, or as much of the work as possible, completed as shown on the drawing(s) and indicated in the specifications within the project budget allocation.

**1.2 BASE BID No. 1**

Base Bid No. 1 shall include the complete work as described in the scope of work as per specification and shown on the drawing. To inspect, quantify, remove and replace the existing SPF roofing system at roof areas denoted on the contract drawing. Installation of new TPO single ply membrane roofing system including membrane flashing, insulation system, blocking, retrofit roof drains, new overflow through wall scuppers, walk pads and caulking but not necessarily limited to providing all appurtenances necessary to accomplish the scope of work required. See Drawing A-1 of 1 for limit of work.

**END OF SECTION**

**SECTION 10310**  
**SEQUENCE OF CONSTRUCTION AND MILESTONES**

**PART 1 - GENERAL**

**1.1 STIPULATIONS**

The "General Conditions for Construction Projects" form a part of this specification section by reference thereto and shall have the same force and effect as if printed herewith in full.

Before beginning work, the Contractor shall prepare a critical path schedule in consultation with the Facility. The work shall then be carried out in full accordance with the schedule and milestones. The Contractor shall arrange work without any unnecessary interference with the Facility's operation. The building will be occupied for the duration of this project. The contractor must coordinate the demolition and installation phases with the Facility and obtain their approval before the start of the project.

**1.2 CRITICAL MATERIALS AND EQUIPMENT**

The Contractor is cautioned that all necessary and required critical materials and equipment shall be ordered as quickly as possible so that the shipping will not delay the progress of the work.

**1.3 CRITICAL ITEMS TO BE NOTED AS MILESTONES**

The Contractor shall schedule the following critical items as Project Milestones with the completion dates. These dates shall be the basis of payments to the Contractor.

- A. 60% of the project work completed = 50% payment
- B. 100% of the project work completed (including punch list items) = 100% final payment.
- C. Payment is subject to the provisions of the General Conditions and approval by the Facility.

**END OF SECTION**

**SECTION 01115**  
**DPW – SUPPLEMENTAL PROVISIONS**

**PART 1 - GENERAL**

**1.1 STIPULATIONS**

- A. The Specifications Sections, "General Conditions of Contract" and "General Requirements", form a part of this Section by this reference thereto and shall have the same force and effect as if printed herewith in full.

**1.2 PERSONAL BEHAVIOR**

- A. Contractors are responsible for disseminating to their employees the special restrictions on personal behavior and the procedures/potential penalties for violations.
- B. Identification tags or badges to be furnished by the facility must be worn at all times while on facility property.
- C. Smoking is not permitted in any facility building.

**1.3 VEHICLES**

- A. Construction vehicles and employee's vehicles will be parked in an area designated by the Department and locked at all times. The license numbers of vehicles to be left overnight will be reported to the security office at the facility on a daily basis by the Contractors.
- B. Vehicles may not be operated or parked on any lawn areas, unless otherwise permitted.

**1.4 TOOLS**

- A. Tools shall be kept in a secure (locked) area when not in use and inventoried to insure complete and total accountability at the end of each shift. While being used, tools 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 Maintenance Manager. Particular attention should be paid to tools, which may be used as weapons or instruments of escape. Special procedures will be developed with the facility's Maintenance/Engineering Department concerning cutting pliers, bolt cutters, hacksaws and welding or cutting equipment. **UNDER NO CIRCUMSTANCES WILL CUTTING TORCHES OR WELDING EQUIPMENT BE LEFT INSIDE THE PERIMETER SECURITY ENCLOSURE (at facilities with enclosures) OVERNIGHT, ON WEEKENDS OR ON HOLIDAYS.**
- B. No ladders may be left upright and accessible to residents. If not in use, ladders must be taken down and secured. Scaffolding must be secured to guard against unauthorized use.

**1.5 WORK AREAS**

- A. All work areas are to be kept safe and orderly at all times.
- B. All doors are to be kept locked to ensure resident safety. Doors normally unlocked are excluded, unless safety becomes an issue.
- C. Passenger elevators are not to be used to transport materials, unless written authorization is given specifying dates and times when it is permissible.
- D. Flammable liquids are not to be stored inside occupied buildings.
- E. Do not compromise Life Safety Code requirements without prior written consent of the facility's Safety Manager, who will develop and implement alternate plans.
- F. Facility supplies are not to be utilized by Contractors, unless called for in the project specifications.
- G. Contractors are to be aware of the locations of fire alarms, fire extinguishers and related equipment. The facility Fire Marshal is available to instruct the Contractors in the proper operation of fire safety equipment.
- H. It shall be prohibited for the Contractor and his employees to use the bathrooms at Building No. 51. The facility will allow the Contractor the use of bathroom facilities at Building No. 35, the Maintenance Building.

**1.6 FRATERNIZATION**

- A. There shall be no fraternization or private relationships of Contractors' employees with residents. This includes, but is not limited to trading, bartering or receiving gifts, money, or favors from the residents or the residents' friends, relatives or representatives.

**1.7 ALCOHOL AND CONTROLLED SUBSTANCES**

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

**1.8 GAMBLING**

- A. Gambling or wagering of any type is not permitted on facility property.

**1.9 WEAPONS OR IMPLEMENTS FOR ESCAPE**

- A. Weapons or implements of escape (other than tools applicable in Paragraph 9.04) shall not be permitted on facility property. Non-compliance with this policy may result in criminal charges.

- B. Offense Defined - A person commits a 2nd degree felony if that person unlawfully introduces within a Youth Development Center or MH/MR facility or unlawfully provides a resident thereof with any weapon, tool, implement or other item which may be used for escape.
- C. 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, other cutting or stabbing implement or club. The word "firearm" includes any unloaded firearm and the unassembled components of a firearm.

#### 1.10 CONTRABAND

- A. Contraband shall not be permitted on facility property. Non-compliance with this policy may result in criminal charges.
- B. Contraband to confined persons is prohibited. A person commits a misdemeanor of the first degree if that person sells, gives or furnishes to any resident in a Youth Development Center or MH/MR Facility, or gives away or brings into any Youth Development Center or MH/MR facility or any building appurtenant thereto, or on the land granted to or owned or leased by the Commonwealth for the use and benefit of the residents, or puts in a place where it may be secured by a resident or employee thereof, any kind of spirituous or fermented liquor, drug, medicine, poison, opium, morphine, or other kind of narcotics (except the ordinary hospital supply) without a written permit signed by a physician of such facility, specifying the quantity and quality of the liquor or narcotic which may be furnished to any resident or employee; the name of the resident or employee for whom it is prescribed; and the time when the same may be furnished, which permit shall be delivered to and kept by the superintendent of the facility.
- C. Money to residents is prohibited. A person commits a misdemeanor of the third degree if that person gives or furnishes money to any resident of a Youth Development Center or MH/MR facility, PROVIDED NOTICE OF THIS PROHIBITION IS ADEQUATELY POSTED AT THE FACILITY. A person may, however, deposit money with the superintendent, or other authorized individual of the facility, for the benefit and use of a resident confined therein, which shall be credited to the resident'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.

1.11 SEARCH

- A. Any person entering this facility is subject to a search of his or her person at any time. While the person may refuse, such refusal may be cause for denial of further entrance.

1.12 ORIENTATION PROGRAM

- A. All contractors are required to meet with the Facility Maintenance Manager and Facility Safety Manager to review security requirements before beginning any site work.

**END OF SECTION**

**SECTION 01340**  
**SUBMITTALS**

1.1 GENERAL

Included in this section of the specifications is a list of submittals of materials to be incorporated into the work required by the Department for approval. The Department reserves the right to require additional submittals for approval as it deems necessary. No material or equipment listed herein shall be incorporated into the work until the Contractor has obtained approval from the Department.

1.2 SUBMITTAL PROCEDURES

- A. The project number shall be indicated on the transmitted letter of the material submitted for approval. Four copies minimum for each submittal, one of which should be the original.
- B. The Contractor shall signify his approval of the submitted material by stamping, initialing and dating the transmitted letter submitted to the Department for approval.
- C. The Contractor's failure to comply with the submittal procedures set forth herein will result in the return of the material for proper re-submittal.
- D. The submittal items listed below shall be delivered or mailed to:

Department of Public Welfare  
Division of Facilities and Property Management  
1401 North 7<sup>th</sup> Street, P.O. Box 2675  
Harrisburg, PA 17105-2675  
Attention: Christopher Clouser, Arch. Designer  
Phone: (717) 772-0890

PROJECT REFERENCE NO. W-0509-0908  
 PARTIAL ROOF REPLACEMENT  
 BUILDING No. 51 – FORENSIC UNIT  
 NORRISTOWN STATE HOSPITAL  
 Page 13 of 35

1.3 SUBMITTAL LIST

SOSU - Source of Supply  
 DEDA - Descriptive Data or Catalog Cuts  
 SHDR - Shop Drawings

SAMP - Samples  
 TESTS - Laboratory Testing Data  
 CERT - Certification

DESCRIPTION OF ITEMS TO BE SUBMITTED	SOSU	DEDA	SHDR	SAMP.	TESTS	CERT.
TPO 60 Mil Membrane, adhesives and supporting system components	X	X				
Tapered Rigid Insulation System	X	X	X			
Insulation Adhesives and Primers, if required to properly prepare roof deck	X	X				
Retrofit Roof Drains	X	X				
Overflow Scuppers	X	X				
Walk Pads/Protection Layer	X	X				
Project Schedule		X				
Roof Warranty				X		X

**END OF SECTION**

**SECTION 02225**  
**SELECTIVE DEMOLITION**

**PART 1 - GENERAL**

**1.1 STIPULATIONS**

- A. Applicable requirements of the General Terms and Conditions are a part of this specification and shall have the same force and effect as if printed herewith in full.

**1.2 WORK INCLUDED**

- A. The work covered by this section consists of furnishing all labor, equipment and appliances necessary to complete all site preparation and demolition required for the project in strict accordance with this section of the specifications and the drawings.
  - 1. Removal of existing spray polyurethane roofing system, flashing and damaged copper counter flashing as shown on the drawings.
  - 2. All items related to demolition specified herein as shown on the drawings or required to properly prepare the building shall be done to receive the new roofing systems as required.

**1.3 SCHEDULING DEMOLITION**

- A. All demolition removal work must be done at times agreed upon by the representative of the Facility.
- B. Once commenced, work shall proceed as scheduled, in an efficient, quiet operation without delays or interruptions.
- C. The contractor shall coordinate all work with the Facility. All electrical conduit and equipment located within the contract limits shall remain. The contractor shall provide the Facility Maintenance Manager a minimum of seven (7) days notice prior to conducting any demolition and roofing installation work that may require temporary disconnection or relocation of the existing rooftop electrical conduit or equipment. The contractor shall perform work in a timely manner to prevent any unnecessary electrical outage disruptions. All disconnected electrical conduit or equipment must be restored by the end of each day's work.

**1.4 JOB CONDITIONS**

- A. All demolition removal work must be done at times agreed upon by the representative of the Facility.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
**Page 15 of 35**

- B. Once commenced, work shall proceed as scheduled, in an efficient, quiet operation without delays or interruptions.
- C. Condition of Structures: Conditions existing at the time of the inspection for the bidding purposes will be maintained by the owner as practicable.
- D. Partial Removal: Items of salvageable value to the Contractor may be removed from the structures as work progresses. Salvaged items must be transported from the site as they are removed.
- E. Storage or sale of removed items on the site will not be permitted.
- F. Hazardous Materials: The use of hazardous materials or methods on site will not be permitted.
- G. Traffic: Conduct the demolition operations and the removal of debris to ensure minimum interference with roads, streets, walks and other adjacent occupied or used facilities.
- H. Do not close or obstruct streets, walks or other occupied or used facilities without permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations. Install construction barricades around the demolition areas to control pedestrian access during demolition phases.
- I. Protections: Ensure safe passage of persons around the area of demolition. Conduct operations to prevent injury to the adjacent buildings, structures, perimeter security fence, other facilities and persons. Protect AC equipment, generators, landscaping and concrete walkways.
- J. Damages: Promptly repair damages caused to the adjacent grounds and buildings by demolition operations at no cost to the Facility and to the Facility's acceptance.
- K. Refer to the General Conditions of the Construction Contract for stipulations regarding provisions for protection of the site, equipment and tools, shoring and bracing and other provisions regarding the protection of the property and life.
- L. Drawings are diagrammatic in nature and require field verification for actual conditions, quantities and details. Failure to inspect actual field conditions and dimensions prior to preparation of the bid shall not be justification to a claim for additional costs.
- M. Cutting and removals indicated on the drawings are only a general indication and do not necessarily show the full extent of cutting and removals which may be required by job conditions including penetrations.

## PART 2 - PRODUCTS

### 2.1 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove the materials from the roof to a truck or a commercial dumpster furnished by the Contractor. Under no circumstances will debris of any type be left on the roof or grounds at the end of a working day.
- B. General: Remove debris, rubbish and other materials resulting from demolition operations from the roof by means of a closed chute. Debris may be loaded from a closed chute to a truck located within the perimeter of the buildings security fence. All closed chutes and trucks must be removed from within the perimeter buildings security fence at the end of each day's work and placed within a staging area approved by the facility. No dumpsters shall be permitted within or near the perimeter security fence, only within a staging area approved by the facility.
- C. The on-site burning of materials removed from demolished structures will not be permitted.
- D. Transport materials removed from the demolished structures and arrange for proper disposal off-site. Leave the site in a neat and orderly condition meeting the approval of the Department and the Facility.
- E. All costs and fees for proper approved disposal shall be paid for by the Contractor.

## PART 3 - EXECUTION

### 3.1 PRECAUTIONS

- A. Perform the work in a manner to prevent damage or injury to property or the public. Provide barriers, warning lights and other protection as required and protect as necessary any existing monuments, benchmarks or utilities that are to remain in service. Restore any damage to original condition or repair as directed at no additional cost to the Commonwealth.
- B. Before starting the work, protect trees or shrubs with boxing or wire fencing staked securely in place or other approved means. Maintain until the completion of work or until removal may be directed by the Department.
- C. Remove existing roofing carefully as designated on drawings in a manner designed to prevent undue airborne material from interfering with pedestrian safety and adjacent electrical service equipment. Protect adjacent construction and clean the same upon completion. Under no circumstances will debris of any type be left on the grounds at the end of each working day.

- D. All ladders, lifting devices, and equipment used in conjunction to perform scope of work, must not be left unattended. Any ladders, lifting devices and equipment not in use during the duration of the project shall be promptly removed from the site and safeguarded at approved staging area outside the perimeter building security fence.

### 3.2 DISPOSITION OF UTILITIES

- A. Make all necessary arrangements and coordinate the relocating of active utilities in the way of new work that must be moved and for shutting off and disconnecting utilities that are to be abandoned. This includes electrical equipment and conduit and rooftop HVAC equipment.
- B. Existing services and equipment, including any piping and/or devices encountered that are not required to be removed, shall be temporarily supported and maintained until permanent support has been restored.

### 3.3 DUST CONTROL

Control the amount of dust and dirt resulting from demolition to prevent the spread of dust and other airborne particles. Use wet method wherever dust is generated. Coordinate shutdown of the HVAC rooftop air intakes to air handling units to eliminate dust and fume intake into the building; shutdown times must be agreed upon with the Facility Maintenance Manger.

### 3.4 PROHIBITIONS

- A. The use of burning or burial at the project site for disposal of refuse and debris is not permitted.
- B. All must be secured from access by Facility residents after hours by use of a tarp cover.

### 3.5 SALVAGE

Unless otherwise noted or directed, materials resulting from demolition operations shall be the property of the Contractor, shall not be used in the work and shall be promptly removed from the site.

### 3.6 CLEAN-UP

- A. Debris and Rubbish: Remove debris and rubbish from the site daily. Do not allow to accumulate on the site. Provide chutes from the upper floors to a truck at ground level in locations satisfactory to the Facility. All closed chutes and trucks must be removed at the end of each day's work from within the perimeter building's security fence.

- B. Debris Control: Remove and transport debris in a manner as to prevent spillage on streets or adjacent areas. Use covered trucks where required.
  - 1. Any area, either temporary or permanent, over which hauling operations or other moving operations are conducted, shall be kept clean and any debris shall be removed promptly by the Contractor.
  - 2. Streets, walks and drives adjacent to the areas of construction shall be kept clean and clear of obstructions at all times; they shall be kept clear of materials and debris to their full width and shall be maintained in such a manner as to permit safe and normal use.
- C. Regulations: Comply with local and state regulations regarding hauling and disposal of construction debris.

**END OF SECTION**

SECTION - 03900  
CONCRETE ROOF DECK REPAIR

**PART 1 - GENERAL**

1.1 STIPULATIONS

- A. Applicable requirements of the General Terms and Conditions are a part of this specification and shall have the same force and effect as if printed herewith in full.

1.2 DESCRIPTION OF WORK

This specification covers the furnishing of material, labor, equipment and related requirements for repairing 250 square feet of existing cracked and/or spalled structural concrete roof deck.

1.3 RELATED WORK

Section 07545 - Thermoplastic Membrane Roofing – Fully Adhered

**PART 2 - PRODUCTS**

2.1 QUALITY ASSURANCE

All materials used for patching and repairing deteriorated concrete roof deck surfaces shall be supplied by a manufacturer regularly engaged in the production of such materials for a minimum of five (5) years. Materials shall specifically be designed for concrete restoration.

2.2 MANUFACTURERS

- A. Manufacturers providing patching, bonding and crack repair materials:

1. Sika Corp., 201 Polito Ave., Lyndhurst, NJ 07071
2. Belzona, Inc., Miami, FL 33172
3. Or equal as approved by the Architect/Designer

2.3 MATERIALS AND COMPONENTS

- A. Crack Repair

1. Sikaflex – 15LM
2. Or approved equal

B. Surface Repair

1. 16 ga. galvanized sheet metal as required mechanically fastened to existing concrete deck to bridge cracks or missing pieces
2. Belzona 4111 Repair System
3. Or approved equal

**PART 3 - EXECUTION**

3.1 PREPARATION

- A. The Contractor shall thoroughly inspect the concrete roof deck surface to be repaired and prepare the area to receive the work as recommended by the restoration material manufacturer.
- B. All structural roof deck repair products shall be applied in strict accordance with products specifications.

**END OF SECTION**

**SECTION 07545**  
**Thermoplastic Membrane Roofing – Fully Adhered**  
**Thermoplastic Polyolefin (TPO)**

**PART 1 - GENERAL**

1.1 SUMMARY

A. Section Includes:

1. Fully adhered thermoplastic polyolefin (TPO) roofing membrane applied over adhered rigid tapered insulation system.
2. Related flashings and accessories to assure a complete roofing system.

B. Related Documents: drawings, provisions of Contract, including General and Supplementary Conditions, Division 1 – General Requirements, apply to this section.

C. Related Sections:

1. Section 02225 - Selective Demolition
2. Section 01340 - Submittals

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. D-412, Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers – Tension.
2. D-471, Rubber Property – Effect of Liquids.
3. D-573, Rubber – Deterioration in an Air Oven.
4. D-751, Coated Fabrics.
5. D-1149, Rubber Deterioration – Surface Ozone Cracking in a Chamber.
6. D-1204, Linear Dimensional Changes of Non-Rigid Thermoplastic Sheeting or Film at Elevated Temperature.
7. D-2137, Rubber Property – Brittleness Point of Flexible Polymers and Coated Fabrics.
8. D-2240, Rubber Property – Durometer Hardness.

9. E-96, Vapor Transmission.

10. G-90, Accelerated Outdoor Weathering of Nonmetallic Materials Using Concentrated Natural Sunlight.

B. Factory Mutual (FM): FM-4480.

C. Federal Standard Test Methods (FTM).

D. Underwriters Laboratory (UL): UL-790.

### 1.3 SYSTEM DESCRIPTION

A. Design Requirements: System includes:

1. Fully adhered .060 mil single-ply thermoplastic membrane roofing system.
2. Roof membrane flashings.
3. Roof membrane adhesives.
4. Roof and deck insulation.
5. Insulation adhesives.

B. Performance Requirements:

1. FM Class 1A-90, determined in accordance with FM standard 4480.
2. UL Class A, determined in accordance with UL standard 790.

### 1.4 SUBMITTALS

A. Product Data: Manufacturer's product data literature.

B. Shop Drawings:

1. Rigid tapered insulation layout plans.
2. Typical and non-typical conditions of project. Manufacturer's details are acceptable for typical conditions conforming to the membrane manufacturer's 20 year total system warranty requirements.

3. Identify:
  - a. Materials to be incorporated in work.
  - b. Dimensions.
  - c. Thickness of each material and system.
  - d. Relationship to adjacent existing roof systems to remain.

## 1.5 QUALITY ASSURANCE

### A. Qualifications:

1. Manufacturer's Qualifications: Minimum 5 years documented experience manufacturing products specified in this section.
2. Installer's Qualifications:
  - a. Minimum 5 years documented experience installing heat welded membrane roofing systems.
  - b. Certified by membrane manufacturer as approved applicator.
3. Manufacturer's Field Representative:
  - a. Authorized to represent manufacturer in application decisions necessary to obtain manufacturer's warranty.
  - b. Exclusively employed by membrane manufacturer.

### B. Certifications:

1. Letter from membrane manufacturer stating that subcontractor is authorized by manufacturer for installation of membrane roofing system referencing specific project on letterhead stationery of membrane manufacturer and signed by authorized company representative.
2. Provide materials bearing UL labels on bundle, package or container indicating that materials have been produced under UL's classification and follow-up service.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivery: Deliver materials to project site in manufacturer's undamaged and unopened containers with manufacturer's brand name marked thereon.

B. Acceptance at Site:

1. Inspect containers at time of delivery to assure that containers are fully intact.
2. Replace damaged materials at no additional cost to Facility.

C. Storage:

1. Store materials in dry area protected from water and within humidity limits established by manufacturer.
2. Cover non-membrane materials with breathing type cover secured in place.
3. Protect non-membrane materials from prolonged exposure to sunlight prior to installation.
4. Store roll membrane materials in manufacturer's bag in horizontal position.
5. Store membrane materials on clean surface free of standing water to prevent puncture or tearing or penetration of moisture or other harmful material.
6. Distribute stored materials on roof so as not to exceed design loads on building structure.
7. Store materials on boards to distribute load on roof deck.

1.7 PROJECT/SITE CONDITIONS

- A. Do not install roofing system when frost, ice or moisture is on surfaces to receive work.
- B. Protect incomplete work from rapid changes in weather.
- C. Install roof system when surface and air temperatures are within membrane manufacturer's guidelines.
- D. Store flammable materials according to manufacturer's instructions away from combustion sources to prevent fire.
- E. Use precautions indicated on labels and Material Safety Data Sheets.

1.8 SEQUENCING

- A. Maintain waterproofing integrity of roof.

1. Do not remove more roof surface than can be replaced in same working day.
2. Construct waterproof joint complying with manufacturer's requirements between new and existing roof at end of working day.

#### 1.9 WARRANTY

- A. The Contractor shall provide the Commonwealth with a twenty (20) year total systems warranty furnished by the manufacturer, which shall warrant that the manufacturer will repair any leaks in the roofing system, not to exceed the original cost of the installed roof over the life of the warranty, installed by an applicator authorized by the manufacturer.
- B. Leaks from the following causes shall be covered by the warranty.
  1. Defects in the roofing system material.
  2. Workmanship of the authorized applicator.
  3. Failure of the roof due to winds up to 74 mph.
- C. The following exclusions are permitted in the warranty:
  1. Natural disasters such as lightning, hail, floods, tornadoes or earthquakes and winds in excess of 75 m.p.h.
  2. Damage from traffic or storage of material on the roof.
  3. Structural failure of the roof deck, parapet or coping.
  4. Infiltration of moisture in, through or around the walls, coping or building structure.
  5. Movement or deterioration of metal counter-flashing or other metal components adjacent to the roof.
  6. Damage to the building (other than roofing and insulation) or its contents.
- D. The warranty shall provide that in the event a leak should occur within the warranty period and if such a leak is within the coverage of the warranty and warrantor will, at no expense to the owner, make or have made all necessary repairs to put the roof membrane, base flashing and roof insulation in a dry and watertight condition using the same materials and specifications as originally applied. There shall be no limit to the warrantor's liability for making such repairs over the period of the warranty.

- E. The warranty shall provide that, if upon proper notification the warrantor fails to promptly repair the roof, the Owner may make temporary repairs to avoid damage to the Facility. Such action shall not be considered a breach of the provisions of the warranty.
- F. The Facility shall be permitted to make alterations, additions and repairs to the roof within the written approved guidelines of the warrantor without jeopardizing the unexpired portion of the warranty's original term.

#### 1.10 CONTRACTOR'S WARRANTY

- A. The Contractor shall take or cause to have taken any and all corrective measures necessary to: (1) keep the roofing system free of all defects to the satisfaction of the Department and (2) maintain the roofing system in a watertight condition. The Contractor shall have the responsibility for said corrective measures for two (2) years after the date of final inspection. The Contractor's responsibility shall include removal and replacement of the roofing system if, in the judgment of the Department, removal and replacement is necessary to keep the roofing system free of all defects or to maintain the roofing system in a watertight condition. The Contractor's responsibility shall also include repair or removal and replacement, if the Department deems it to be necessary, of any part of the building damaged as a result of leaks in the roofing system. (The interior of the building includes, but is not limited to, furnishings and fixtures). There shall be no limit to the Contractor's liability for fulfilling the aforementioned responsibilities.
- B. The Contractor shall not be responsible for repairs to or replacement of the roofing system if repairs or replacement is necessary due to a natural disaster such as lightning, flood, tornado or earthquake.
- C. The Division will notify the Contractor as soon as reasonably possible after it has knowledge of defects or leaks in the roofing system. Should the Contractor fail to promptly take corrective measures, the Division may undertake corrective measures.

The Contractor shall be responsible for any and all expenses incurred by the Division in undertaking corrective measures. In addition, the Division's undertaking of corrective measures shall in no way relieve the Contractor of any of the aforementioned responsibilities.

## **PART 2 – PRODUCTS**

### 2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products by following:
  - 1. Thermoplastic polyolefin sheet and accessories:
    - a. Firestone Building Products.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
Page 27 of 35

- b. Carlisle SynTec Incorporated.
- c. Sarnafil Roof Systems.

2. Insulation:

- a. Firestone Building Products.
- b. Carlisle SynTec Incorporated.
- c. Sarnafil Roof Systems.
- d. Approved equal by membrane manufacturer to provide roof warranty.

2.2 MATERIALS

A. Roof membrane:

- 1. Scrim reinforced ethylene propylene based thermoplastic polyolefin containing no plasticizers.
- 2. Minimum sheet thickness: .060 inches
- 3. Roll width: 10 feet.
- 4. Roll length: 100 feet.
- 5. Color: Manufacturer's standard white.
- 6. Physical properties: Typical values to meet or exceed following:
  - a. Breaking Strength ASTM D-751, 310 lbf.
  - b. Tear Strength ASTM D-751, 100 lbf.
  - c. Shore A Hardness ASTM D2240, 82.
  - d. Dimensional Stability ASTM D1204, 0.3 percent.
  - e. Hydrostatic Resistance ASTM D751, 425 psi.
  - f. Ozone Resistance ASTM D1149, Pass.
  - g. Weather Resistance ASTM G-90, Pass 3 million Langleys.
  - h. Puncture Resistance, FTM 101B, 350 lbf.
  - i. Vapor Transmission ASTM E96, 0.035 Perms.
  - j. Ultimate Elongation ASTM D412, 700 percent.
  - k. Brittleness ASTM 2137, Pass.
  - l. Water Absorption ASTM D471, 2 percent.
  - m. Heat Aging ASTM D573, 275 lbf.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
**Page 28 of 35**

**B. Membrane Accessories:**

1. Membrane flashing: Same as membrane roofing material.
2. Formable membrane flashing at vent stacks, pipes and corners: Thermoplastic polyolefin membrane sheet, 0.055" nominal thickness, non-reinforced as supplied by membrane manufacturer.
3. Drain flashing: Same as membrane roofing material.
4. Membrane clad sheet metal: Supplied by membrane manufacturer.
5. Coping Caps: Snap lock coping cap system approved by membrane manufacturer.
6. Perimeter half sheets: Same as membrane roofing material, nominal size either 38 ¼" or 52 ½".
7. Sealant: Supplied by membrane manufacturer.
8. Bonding adhesive: Supplied by membrane manufacturer.
9. Mechanical fasteners: Approved by membrane manufacturer.
10. Termination bar: Supplied by membrane manufacturer.

**C. Insulation: Tapered**

1. Approved by membrane manufacturer.
2. Material: Polyisocyanurate foam.
3. Thickness: As required for an average R Value of 20 over the roof area.
4. Density: 2.1 lb/ft<sup>3</sup>.
5. Compressive strength: Minimum 10lb/in<sup>2</sup>.
6. Tapered insulation: Manufactured to produce roof drainage, sloped to existing roof drain locations as indicated on drawings.

**D. Insulation adhesives:**

1. Approved in writing by membrane manufacturer.

2. Insulation boards to be adhered using hot commercial insulation adhesive products. The insulation manufacturer and adhesive manufacturer must specifically approve such application.
- E. Seam probe: Cotter pin puller for physical probing of completed seams.
- F. Roof traffic walkways: Furnish and install new 30 inch wide TPO walkway pads, approved by the membrane manufacturer, beneath all rooftop electrical equipment and conduit supported by roof deck.
- G. Membrane cleaner: Non-sudsing all-purpose liquid cleanser.
- H. Wood Nailers/Blocking: Provide lumber (sized as detailed and verified by field measurements where applicable) construction, standard or utility grade No. 2 or better, pressure treated for water and rot resistance, with a nineteen percent (19%) maximum moisture content after treatment.
1. Do not use creosote, penta chloropheno 1, copper naphthenate or copper 8 – quinolmolate-based preservatives.
  2. Follow the wood preserver's precautions regarding the cutting and handling of the treated lumber. Treat all cut edges.
  3. Nailer fasteners/anchors shall be stainless steel for use with treated wood and be sized and spaced as recommended by the coping or membrane manufacturer.
- I. Roof Drains: New roof drains (drain inserts) shall match the existing is size and shape and be connected to the existing drain line piping which should be cut off at the roof deck line as required. Provide watertight connections with permanent couplings and gaskets. Retrofit roof drains shall not be accepted unless the insert pipe has a permanent gasket around the exterior to seal against backflow of water. New roof drain shall be manufactured by Firestone, Item Number W56RAC27, or approved equal. New roof drain shall be approved by the membrane manufacturer in order to conform to the total systems warranty requirements.
1. Prepare substrate around each roof drain to prevent membrane bridging or distortion and to provide a smooth transition from the roof surface to the drain clamping ring.
  2. The surfaces between the clamping ring and the drain must be clean and smooth.
  3. One (1) complete tube of waterstop is required per drain.
  4. All bolts and/or clamps must be in place to provide constant even compression.

5. Do not run seams through roof drains.

J. Emergency Overflow Scuppers Drains:

1. Provide new penetrations through masonry parapet walls as required for installation of new 4 inch by 4 inch rectangular scupper drains.
2. After installation of wall flashing at each existing scupper drain location, cut flashing to insert/replace scupper sleeve which is continuous through masonry wall. New 4 inch by 4 inch sleeve shall be constructed with TPO coated metal, a fully welded metal sleeve or 20 ounce copper with soldered joints. Provide a spill out fabricate from the same sleeve material for each scupper drain.
3. Metal scupper sleeve shall be set in Water Cut-Off Mastic and firmly secured to the structural substrate.
4. Flashing must completely overlap scupper flanges and provide at least a 3 inch minimum surface splice to the wall flashing.

## PART 3 – EXECUTION

### 1.1 EXAMINATION

A. Surfaces to receive roofing to have:

1. No moisture or loose debris.
2. No surface variations greater than ¼ inch.
3. No gaps greater than ¼ inch.
4. Positive drainage towards drains, valleys and eaves.

### 1.2 PREPARATION

- A. Install nailers/blocking prior to beginning installation of roofing system.
- B. Blocking Fasteners: Fasteners shall be stainless steel "Tapcons" or approved equal. All blocking fasteners shall be chemically compatible with pressure treated blocking.

### 1.3 INSTALLATION

#### A. Demolition:

1. Remove existing roofing materials, flashings and insulation down to roof deck.
2. Clean and prepare surfaces to receive new roofing system.
3. Repair surfaces not in compliance with membrane manufacturer's specifications for roofing installation.

#### B. Insulation: Tapered

1. Lay insulation with longest dimension perpendicular to direction of membrane seams with joints staggered and tightly butted.
2. Install insulation to fit tightly around projections.
3. Fill gaps greater than ¼ inch with pieces of insulation.
4. Secure insulation using commercial insulation adhesive products approved by the membrane manufacturer.
5. The insulation manufacturer and membrane manufacturer must specifically approve adhered insulation applications.
6. Replace broken insulation with undamaged pieces, 6" by 6" minimum, properly fastened in place.
7. Do not install more insulation than can be covered and made watertight with roofing membrane by end of same working day.
8. Taper insulation around roof drains to prevent membrane from bridging.

#### C. Slip sheet:

1. Install in accordance with manufacturer's instructions.
2. Lap adjacent sheets 6 inches minimum.

#### D. Roof membrane:

1. Positioning and adhesive attachment of membrane:
  - a. Start with first sheet centered on low point of area to receive roofing.
  - b. Fold sheet in half so that bottom side is exposed.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
**Page 32 of 35**

- c. Apply a continuous coat of bonding adhesive to exposed bottom side of membrane and area of substrate exposed by folding membrane.
  - d. Avoid contamination of seam areas with adhesive.
  - e. Allow adhesive to dry to point of being tacky, but no longer sticky and stringy, to touch.
  - f. Working at fold line, carefully push membrane back onto adhesive surface avoiding wrinkles or air pockets.
  - g. Broom adhered area using pressure to promote full contact.
  - h. Repeat procedure for other half of sheet.
  - i. Lay out second sheet with minimum 2 inch overlap on edge of first sheet.
  - j. Perform lap seaming allowing seam to cool 20 minutes.
  - k. Expose bottom side of second sheet by folding back along splice.
  - l. Apply adhesive evenly to both surfaces, allow to dry and work membrane back onto adhesive surface.
  - m. Broom surface.
  - n. Repeat procedure for each sheet proceeding across roof.
2. Roll membrane over outside edge of roof perimeter and mechanically fasten at 12 inches on center.
3. Lap seaming:
  - a. Clean seaming areas of dust, dirt and debris.
  - b. Weld seams daily using hot air welder approved by membrane manufacturer.
  - c. Weld seams to a distance of 1 inch minimum from edge of lap joint.
  - d. Allow seams to cool 20 minutes.
  - e. Probe seams using seam probe checking for voids in the welded seams.
  - f. Make repairs daily using hot air welder.
4. Perimeter fastening: Secure membrane at roof perimeter, roof-wall intersections, roof curbs and changes in roof plane greater than 10 degrees.
  - a. Use nosing or gravel stop detail with membrane terminated over edge of perimeter.
  - b. Approved membrane screw and plate type fastener attached through membrane to secure into mounted wood nailer at base of walls.
  - c. Approved membrane fastener and plate attached through membrane to roof deck at base of walls.
5. Fastening at projections: Approved plates and fasteners spaced 12 inches on center around projections greater than 24 inches on a side.
6. Perimeter Sheets:
  - a. Lay one half sheet in "picture frame" configuration around perimeters with parapets shorter than 24 inches.
  - b. Adhered membrane.

**PROJECT REFERENCE NO. W-0509-0908**  
**PARTIAL ROOF REPLACEMENT**  
**BUILDING No. 51 – FORENSIC UNIT**  
**NORRISTOWN STATE HOSPITAL**  
**Page 33 of 35**

- c. Fasten perimeter side of membrane sheet per approved perimeter detail.
- d. Fasten field side of membrane sheet at spacing of 9 inches on center.

7. Repair of damaged membrane:

- a. Remove dirt by washing with membrane cleaner.
- b. Rinse with water and allow to dry.
- c. Wipe surface with solvent using clean white rag or clean brush.
- d. Position fresh membrane for proper seam overlap and weld according to manufacturer's instructions.

8. Seam sealant: Apply seam sealant at cut edges of reinforced membrane.

9. Overnight seal:

- a. Make tie-offs at end of workday between installed membrane and existing surfaces.
- b. Prevent moisture penetration under newly installed membrane roofing system.
- c. Construct temporary water cut-offs of hot asphalt.
- d. Design and detail temporary water cut-offs subject to approval by Architect prior to their construction.

E. Flashings:

- 1. Perform flashing with either nominal 0.055 inch thick reinforced roof membrane or 0.055 inch thick unreinforced membrane per manufacturer's instructions.
- 2. Bond flashings continuously to substrate.
- 3. Extend flashings minimum 5 inches onto and over roof membrane.
- 4. Secure flashings at top edge with approved fasteners spaced not more than 12 inches apart.
- 5. Locate fasteners to ensure complete coverage of fastener by metal cap or counterflashing.
- 6. Obtain written authorization from membrane manufacturer and Designer prior to installing pitch pockets.

F. Walkway pads: Install walk pads in accordance with membrane manufacturer product specifications. Heat weld the edges of the walkway material to the membrane using welding procedures approved by the membrane manufacturer.

G. Metal flashings:

1. Prevent damage from buckling or twisting during installation.
2. Seal and waterproof metal components.
3. Replace existing copper counter flashing with new 16 gauge aluminum surface mounted unit counter flashing if existing counter flashing is found damaged, deemed unacceptable by the membrane manufacturer or additional counter flashing is required to maintain an 8" height of membrane flashing above finished roofing system surface.

3.4 FIELD QUALITY CONTROL

A. Site tests:

1. Test weld: At start of each work session, make test weld to determine robot welder setup.
2. Seam samples:
  - a. Take seam samples minimum twice daily.
  - b. Repair and make watertight seam sample area immediately after cutting sample:

B. Manufacturer's Field Services:

1. Provide job start field supervision and instruction for initial installation of membrane roofing system by technical representative of membrane manufacturer when requested.
2. Inspect work during its progress and make final inspection at completion of installation.
3. Issue acceptance on part of manufacturer before warranty is issued.

3.5 PROTECTION

- A. Take and maintain measures necessary to prevent damage to finished work until entire project is completed.
1. Protect completed work with minimum ½ inch thick plywood.
  2. Do not permit traffic on completed work except for workers during installation process as necessary.
- B. Protect finished work against loads or equipment that would damage materials or work.

**3.6 CLEAN UP**

- A. Clean construction areas and remove related debris from project site.
- B. Leave construction area clean and free of rejected materials at end of day.
- C. Following completion of roofing installation, remove equipment from project site.

**END OF SECTION**

**END OF SPECIFICATIONS**

**PROOF OF VISIT**

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

Project Reference No. W-0509-0908  
Partial Roof Replacement – Building 51, Forensic Unit  
Norristown State Hospital

Vendor's Name: Banes Roofing Inc

Address: 80 S. 3rd St.  
Telford PA. 18969

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

Signature [Handwritten Signature] Date 9-2-10

**ESCORTED BY:**

Facility Representative's Signature: [Handwritten Signature]

Title: Bldg Maint Mgr

Date Escorted: 9/2/10

**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	Change Order Request # _____ 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 # _____ : _____
--	--	---

**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	\$

Grand Total \$ \_\_\_\_\_

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.

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

### 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 meal 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 line 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
Roof membrane and accessories	Carlisle Syntec	Carlisle, PA

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:

---



---



---



---

B. In order to claim the preference provided under Section 1.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:

80 Sout 3rd Street Telford, PA 18969

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:

December 2003

(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:

(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:

(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:

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:

## MEMORANDUM

### PA Department of Public Welfare Bureau of Equal Opportunity

---

Date: April 22, 2011

Subject: Evaluation and Determination  
RFP: W-0509-0908  
Effective Date: Within 120 days  
RE: Partial Roof Replacement Bldg. 51 – Norristown State Hospital  
Minimum Participation Levels: MBE 5% WBE 3%

To: Greg Kratzer  
Division of Facilities and Property Management

From: Brenda A. Kates, Chief *BAK*  
Contract Compliance Division

Pursuant to the Department of General Services Field Procurement Handbook-Part III, this office has evaluated the bid documents forwarded for this project. As a result of the evaluation, we have determined the following:

The bid submission of Banes Roofing, Inc. at \$67,230.00 is responsive since the bidder did submit the required MBE/WBE Contract/Solicitation and Commitment Statement, along with sufficient evidence from which to evaluate the bidder's responsibility. All work will be done in house by the contractor's employees. The award to Banes Roofing, Inc. will also result in the following:

<b>WBE Participation</b>	<b>\$6,400.00 = 9.52%</b>
a. Ida Yeager Sales	

Immediately upon award of this contract, the name, address and amount of the award to the awardee should be forwarded to this office.

If you need additional assistance or have any questions, please contact me at (717) 787-9695.

## MBE/WBE SUBCONTRACTOR AND SUPPLIER SOLICITATION AND COMMITMENT FORM

(1)  
 Company Name: **Barnes Roofing, INC.**  
 Address: **50 South 3rd Street**  
**Telford, PA 15469**  
 Telephone: **215-723-2888** FAX: **215-723-1289**  
 E-Mail Address: **Barnes Roofing@yahoo.com**  
 Contact Person: **Jeff Barnes**

Important Note: Failure to complete this Form and submit it with the bid will be sufficient cause for rejection of the bid as NOT RESPONSIVE.

SEE INSTRUCTIONS ON REVERSE SIDE

(2)  
 Contract Number: **W-0509-0908**  
 Bid Opening Date: **9-15-10**  
 Bid Amt. (Bid Base #1): **\$67,230**

ALL FIRMS SOLICITED OR WHICH HAVE PROVIDED UNSOLICITED QUOTES MUST BE INCLUDED ON THIS FORM.

(3) Company Name, Address, Zip Code Tel. No. with Area Code Contact Person's Name	(4)		(5) Type of Work to be Performed and/or Material to be Supplied	(6) Total Dollar Amount of Quote Received	(7) Total Commitment Dollar Amount
	MBE	WBE			
IDA Yeager Sales, Contact 252 Magill Rd Zelienople, PA 1603 724-452-5260		X	Supplies and Material	\$6,400	

**NOTE:**

Minimum Participation Levels (MPLs): MBE - 5% WBE - 3%.  
 A presumption of responsibility may be made if the dollar commitments to MBEs/WBEs reflect these minimum participation levels.

Official Use Only

*Brenda G. Faller*  
 Reviewer

Approved  Denied

Date

9/23/10

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: \_\_\_\_\_

**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.)



**PREVAILING WAGES PROJECT RATES**

**Project Name:** Partial Roof Replacement, Building 51 - Forensic Unit at  
Norristown State Hospital  
**Awarding Agency:** Office of Mental Health and Substance Abuse Services  
**Contract Award Date:** 9/7/2010  
**Serial Number:** 10-05426  
**Project Classification:** Building  
**Determination Date:** 8/9/2010  
**Assigned Field Office:** Philadelphia  
**Field Office Phone Number:** 215-560-1858  
**Toll Free Phone Number:**

**Montgomery County**

<b>Building</b>	<b>Effective Date</b>	<b>Expiration Date</b>	<b>Hourly Rate</b>	<b>Fringe Benefits</b>	<b>Total</b>
Asbestos & Insulation Workers	6/2/2008		\$37.99	\$23.65	\$61.64
Asbestos & Insulation Workers	5/1/2010		\$39.64	\$28.00	\$67.64
Boilermaker (Commercial, Institutional, and Minor Repair Work)	1/1/2010		\$23.59	\$15.15	\$38.74
Boilermakers	1/1/2010		\$38.08	\$25.29	\$63.37
Boilermakers	8/1/2010		\$38.08	\$25.34	\$63.42
Bricklayer	5/1/2009		\$33.97	\$21.74	\$55.71
Bricklayer	5/1/2010		\$33.97	\$22.49	\$56.46
Carpenter - Chief of Party (Surveying & Layout)	5/1/2010		\$40.19	\$23.34	\$63.53
Carpenter - Instrument Person (Surveying & Layout)	5/1/2010		\$34.95	\$23.34	\$58.29
Carpenter - Rodman (Surveying & Layout)	5/1/2010		\$18.17	\$20.55	\$38.72
Carpenters	5/1/2010		\$34.95	\$23.34	\$58.29
Cement Masons	11/1/2009		\$32.20	\$24.96	\$57.16
Cement Masons	5/1/2010		\$32.20	\$25.71	\$57.91
DockBuilder/Pile Drivers (Building, Heavy & Highway)	7/1/2009		\$37.50	\$26.63	\$64.13
DockBuilder/Pile Drivers (Building, Heavy & Highway)	7/1/2010		\$37.60	\$27.57	\$65.17
Drapery Installers	5/1/2009		\$31.09	\$21.34	\$52.43
Drywall Finisher	5/1/2009		\$32.79	\$21.37	\$54.16

**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>
Drywall Finisher	5/1/2010		\$33.00	\$22.41	\$55.41
Electric Lineman	5/31/2009		\$46.16	\$17.78	\$63.94
Electric Lineman	5/31/2010		\$44.62	\$19.50	\$64.12
Electric Lineman	5/31/2011		\$45.63	\$19.77	\$65.40
Electric Lineman	11/28/2011		\$46.67	\$20.04	\$66.71
Electric Lineman	5/28/2012		\$47.72	\$20.33	\$68.05
Electric Lineman	11/26/2012		\$48.79	\$20.61	\$69.40
Electricians	8/31/2009		\$38.38	\$22.27	\$60.65
Elevator Constructor	1/1/2008		\$44.67	\$16.47	\$61.14
Elevator Constructor	1/1/2010		\$46.90	\$20.24	\$67.14
Floor Layer	5/1/2009		\$37.41	\$23.12	\$60.53
Glazier	5/1/2009		\$36.64	\$23.81	\$60.45
Glazier	5/1/2010		\$36.67	\$24.53	\$61.20
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2010		\$44.70	\$26.69	\$71.39
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2011		\$44.70	\$27.19	\$71.89
Iron Workers (Bridge, Structural, Ornamental, Precast)	7/1/2012		\$44.70	\$28.14	\$72.84
Iron Workers (Riggers)	7/1/2009		\$34.77	\$17.25	\$52.02
Iron Workers (Riggers)	7/1/2010		\$35.02	\$17.75	\$52.77
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2009		\$37.18	\$24.40	\$61.58
Iron Workers - Reinforcing Steel Mesh - Rebar	7/1/2010		\$37.43	\$24.90	\$62.33
Laborers (Class 01 - See notes)	5/1/2009		\$23.85	\$21.65	\$45.50
Laborers (Class 01 - See notes)	5/1/2010		\$23.85	\$22.30	\$46.15
Laborers (Class 02 - See notes)	5/1/2009		\$25.97	\$21.73	\$47.70
Laborers (Class 02 - See notes)	5/1/2010		\$25.97	\$21.73	\$47.70
Laborers (Class 03 - See notes)	5/1/2009		\$24.37	\$21.65	\$46.02
Laborers (Class 03 - See notes)	5/1/2010		\$24.37	\$22.28	\$46.65
Laborers (Class 04 - See notes)	5/1/2009		\$24.37	\$21.65	\$46.02
Laborers (Class 05 - See notes)	5/1/2009		\$24.52	\$21.45	\$45.97
Landscape Laborer	4/1/2009		\$18.31	\$19.98	\$38.29
Marble Finisher	5/1/2009		\$28.63	\$19.22	\$47.85

### PREVAILING WAGES PROJECT RATES

Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Marble Finisher	5/1/2010		\$28.63	\$19.97	\$48.60
Marble Mason	5/1/2009		\$34.36	\$21.02	\$55.38
Marble Mason	5/1/2010		\$34.36	\$21.77	\$56.13
Millwright	7/1/2008		\$33.97	\$23.50	\$57.47
Millwright	7/1/2009		\$35.13	\$25.49	\$60.62
Millwright	7/1/2010		\$35.13	\$26.33	\$61.46
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2009		\$40.04	\$21.07	\$61.11
Operators Class 01 - See Notes (Building, Heavy, Highway)	5/1/2010		\$40.04	\$22.07	\$62.11
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2009		\$43.04	\$21.96	\$65.00
Operators Class 01a - See Notes (Building, Heavy, Highway)	5/1/2010		\$43.04	\$22.96	\$66.00
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2009		\$39.79	\$21.00	\$60.79
Operators Class 02 - See Notes (Building, Heavy, Highway)	5/1/2010		\$39.79	\$22.00	\$61.79
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2009		\$42.80	\$21.88	\$64.68
Operators Class 02a - See Notes (Building, Heavy, Highway)	5/1/2010		\$42.80	\$22.88	\$65.68
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2009		\$35.71	\$19.79	\$55.50
Operators Class 03 - See Notes (Building, Heavy, Highway)	5/1/2010		\$35.71	\$20.79	\$56.50
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2009		\$35.40	\$19.71	\$55.11
Operators Class 04 - See Notes (Building, Heavy, Highway)	5/1/2010		\$35.40	\$20.71	\$56.11
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2009		\$33.68	\$19.20	\$52.88
Operators Class 05 - See Notes (Building, Heavy, Highway)	5/1/2010		\$33.68	\$20.20	\$53.88
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2009		\$32.69	\$18.91	\$51.60
Operators Class 06 - See Notes (Building, Heavy, Highway)	5/1/2010		\$32.69	\$19.91	\$52.60
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2009		\$48.05	\$24.43	\$72.48
Operators Class 07 (A) - See Notes (Building, Heavy, Highway)	5/1/2010		\$48.05	\$25.55	\$73.60
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2009		\$47.75	\$24.35	\$72.10
Operators Class 07 (B) - See Notes (Building, Heavy, Highway)	5/1/2010		\$47.75	\$25.47	\$73.22
Painters Class 1 (see notes)	5/1/2009		\$32.31	\$19.24	\$51.55
Painters Class 1 (see notes)	10/1/2009		\$32.31	\$20.12	\$52.43

**PREVAILING WAGES PROJECT RATES**

Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Painters Class 1 (see notes)	5/1/2010		\$32.31	\$20.84	\$53.15
Painters Class 2 (see notes)	5/1/2009		\$40.85	\$19.59	\$60.44
Painters Class 2 (see notes)	10/1/2009		\$40.85	\$20.34	\$61.19
Painters Class 2 (see notes)	5/1/2010		\$40.85	\$20.94	\$61.79
Painters Class 3 (see notes)	5/1/2009		\$32.69	\$19.24	\$51.93
Painters Class 3 (see notes)	10/1/2009		\$32.69	\$20.12	\$52.81
Painters Class 3 (see notes)	5/1/2010		\$32.69	\$20.84	\$53.53
Plasterers	5/1/2005		\$29.85	\$17.45	\$47.30
Plumbers	5/1/2010		\$41.53	\$26.01	\$67.54
Pointers, Caulkers, Cleaners	5/1/2009		\$35.05	\$20.85	\$55.90
Pointers, Caulkers, Cleaners	5/1/2010		\$35.05	\$21.60	\$56.65
Roofers (Composition)	5/1/2009		\$30.00	\$23.10	\$53.10
Roofers (Composition)	5/1/2010		\$30.75	\$24.95	\$55.70
Roofers (Shingle, Slate, Tile)	5/1/2009		\$23.25	\$13.62	\$36.87
Sheet Metal Workers	5/1/2010		\$38.36	\$32.67	\$71.03
Sheet Metal Workers (Building, Heavy, Highway)	5/1/2009		\$38.34	\$31.59	\$69.93
Sign Makers and Hangars	5/21/2010		\$24.33	\$16.37	\$40.70
Sprinklerfitters	5/1/2008		\$47.62	\$15.60	\$63.22
Sprinklerfitters	5/1/2010		\$46.12	\$19.85	\$65.97
Sprinklerfitters	1/1/2011		\$46.62	\$19.85	\$66.47
Steamfitters	5/1/2009		\$43.08	\$25.17	\$68.25
Steamfitters	5/1/2010		\$44.93	\$26.43	\$71.36
Stone Masons	5/1/2009		\$34.36	\$21.02	\$55.38
Stone Masons	5/1/2010		\$34.36	\$21.77	\$56.13
Terrazzo Finisher	5/1/2009		\$32.41	\$18.31	\$50.72
Terrazzo Finisher	5/1/2010		\$32.41	\$19.06	\$51.47
Terrazzo Layers	5/1/2008		\$35.41	\$19.47	\$54.88
Terrazzo Mechanics	5/1/2009		\$35.41	\$20.92	\$56.33
Terrazzo Mechanics	5/1/2010		\$35.41	\$21.67	\$57.08
Tile Finisher	5/1/2009		\$29.11	\$19.84	\$48.95

### PREVAILING WAGES PROJECT RATES

Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Tile Finisher	5/1/2010		\$29.11	\$20.59	\$49.70
Tile Layers	5/1/2009		\$36.15	\$20.28	\$56.43
Tile Layers	5/1/2010		\$36.15	\$21.03	\$57.18
Truckdriver class 1(see notes)	5/1/2007		\$23.50	\$11.92	\$35.42
Truckdriver class 1(see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 2 (see notes)	5/1/2007		\$23.60	\$11.92	\$35.52
Truckdriver class 2 (see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 3 (see notes)	5/1/2007		\$23.85	\$11.92	\$35.77
Truckdriver class 3 (see notes)	5/1/2010		\$26.25	\$13.48	\$39.73

**PREVAILING WAGES PROJECT RATES**

Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter - Chief of Party (Surveying & Layout)	5/1/2009		\$43.76	\$22.40	\$66.16
Carpenter - Chief of Party (Surveying & Layout)	5/1/2010		\$43.76	\$23.40	\$67.16
Carpenter - Instrument Person (Surveying & Layout)	5/1/2009		\$38.05	\$22.40	\$60.45
Carpenter - Instrument Person (Surveying & Layout)	5/1/2010		\$38.05	\$23.40	\$61.45
Carpenter - Rodman (Surveying & Layout)	5/1/2009		\$30.44	\$22.40	\$52.84
Carpenter - Rodman (Surveying & Layout)	5/1/2010		\$30.44	\$23.40	\$53.84
Carpenters	5/1/2009		\$38.05	\$22.40	\$60.45
Carpenters	5/1/2010		\$38.05	\$23.40	\$61.45
Cement Masons	5/1/2009		\$30.95	\$24.71	\$55.66
Cement Masons	5/1/2010		\$31.10	\$25.46	\$56.56
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2010		\$44.70	\$26.69	\$71.39
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2011		\$44.70	\$27.19	\$71.89
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2012		\$44.70	\$28.14	\$72.84
Laborers (Class 01 - See notes)	5/1/2009		\$24.95	\$21.25	\$46.20
Laborers (Class 01 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 01 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 02 - See notes)	5/1/2009		\$25.15	\$21.25	\$46.40
Laborers (Class 02 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 03 - See notes)	5/1/2009		\$25.15	\$21.25	\$46.40
Laborers (Class 03 - See notes)	5/1/2010		\$25.15	\$22.00	\$47.15
Laborers (Class 04 - See notes)	5/1/2009		\$19.75	\$21.25	\$41.00
Laborers (Class 05 - See notes)	5/1/2009		\$25.80	\$21.25	\$47.05
Laborers (Class 06 - See notes)	5/1/2009		\$25.85	\$21.25	\$47.10
Laborers (Class 07 - See notes)	5/1/2009		\$25.70	\$21.25	\$46.95
Laborers (Class 08 - See notes)	5/1/2009		\$25.45	\$21.25	\$46.70
Laborers (Class 09 - See notes)	5/1/2009		\$25.30	\$21.25	\$46.55
Laborers (Class 10- See notes)	5/1/2009		\$25.45	\$21.25	\$46.70
Laborers (Class 11 -See Notes)	5/1/2009		\$25.35	\$21.25	\$46.60
Laborers (Class 12 -See Notes)	5/1/2009		\$27.05	\$21.25	\$48.30
Laborers (Class 13 -See Notes)	5/1/2009		\$29.08	\$21.25	\$50.33

**PREVAILING WAGES PROJECT RATES**

Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 14 -See Notes)	5/1/2009		\$25.10	\$21.25	\$46.35
Landscape Laborer	4/1/2009		\$18.44	\$19.25	\$37.69
Landscape Laborer	4/1/2010		\$18.44	\$19.90	\$38.34
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2009		\$40.24	\$24.84	\$65.08
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2010		\$41.94	\$26.09	\$68.03
Truckdriver class 1(see notes)	5/1/2007		\$23.35	\$11.92	\$35.27
Truckdriver class 1(see notes)	5/1/2010		\$25.90	\$13.48	\$39.38
Truckdriver class 2 (see notes)	5/1/2007		\$23.45	\$11.92	\$35.37
Truckdriver class 2 (see notes)	5/1/2010		\$26.00	\$13.48	\$39.48
Truckdriver class 3 (see notes)	5/1/2007		\$23.70	\$11.92	\$35.62
Truckdriver class 3 (see notes)	5/1/2010		\$26.25	\$13.48	\$39.73

STANDARD BID TABULATION COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF PUBLIC WELFARE		PROPOSAL NUMBER W-0509-0908		FACILITY Norristown State Hospital	
		NIRM PROJECT Partial Roof Replacement Building 51, Forensic Unit		BID OPENING DATE September 15, 2010 2:00 PM	
NAME OF VENDOR	BASE BID #1	BASE BID #2	BASE BID #3		
Banes Roofing, Inc. 80 South Third Street Telford, PA 18969	\$ 67,230.00				
Best Construction Services, Inc. P.O. Box 26 Norristown, PA 19404	NO BID RETURNED				
Bonded Applicators, Inc. (MBE) 68 East Main Street Waynesboro, PA 17268	NO BID RETURNED				
Brown's Remodeling & Home Repairs (MBE) 557 South Prince Street Lancaster, PA 17603	NO BID RETURNED				
Budget Renovations & Roofing, Inc. 342 South 5 <sup>th</sup> Street Shamokin, PA 17872	\$ 82,360.00				
Citadell Construction Company, Inc. (MWBE) 125 Aileen Drive Lansdale, PA 19446	NO BID RETURNED				
Hamada, Inc. (MBE) 2848 Frankford Avenue Philadelphia, PA 19134	NO BID RETURNED				
Jim Miller Roofing, Inc. 3 Kelly Street Lansdowne, PA 19050	NO BID RETURNED				
Kobithen's Roofing & Insulation 57 Virginia Drive Southampton, PA 18966	\$ 61,119.02				
Pro Com Roofing Corp. 374 Easton Road Warrington, PA 18976	\$ 112,320.00				
Richard L. Sensenig Co. P.O. Box 715 Ephrata, PA 17522	\$ NO BID				

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.

FOR DIVISION OF PROCUREMENT USE ONLY (WITNESSED OPENINGS)

DEPT PUBLIC WELFARE  
DIV COMPTROLLER  
TREASURY

*Beck & Lane*  
*Charm Clancy*  
*August Koby*

TIE BIDS - AWARDED BY BUSINESS MANAGER

STANDARD BIDDING TABULATION  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF PUBLIC WELFARE

W-0509-0908  
NRM PROJECT  
Partial Roof Replacement  
Building 51, Forensic Unit

Norristown State Hospital  
BID OPENING DATE  
September 15, 2010 2:00 PM

NAME OF VENDOR	BASE BID #1	BASE BID #2	BASE BID #3
Ridge Roofing, Inc. 412 North Line Street Lansdale, PA 19446	NO BID RETURNED	NO BID RETURNED	
(WBE) Smith Builders, Inc. 3331 Street Road Bensalem, PA 19020	NO BID RETURNED	NO BID RETURNED	
Reed Construction Data 30 Technology Parkway S, Suite 500 Norcross, GA 30092	NO BID RETURNED	NO BID RETURNED	
McGraw-Hill Construction, Dodge Scan 1015 Chestnut Street, Lobby 100 East Philadelphia, PA 19107	NO BID RETURNED	NO BID RETURNED	
Rosedale Roofing 1201 Middle River Road Baltimore, MD 21220	NO BID RETURNED	NO BID RETURNED	
Beltsville Industries Group 11262 Old Baltimore Pike Beltsville, MD 20705	NO BID RETURNED	NO BID RETURNED	
David M. Maines Assoc. Inc. 10 Expansion Drive Lewistown, PA 17044	NO BID RETURNED	NO BID RETURNED	
A to Z Coatings, Inc. 3218 Pittston Avenue Scranton, PA 18508	NO BID RETURNED	NO BID RETURNED	
iSqFt Planroom, c/o Service Point 211 North 13 <sup>th</sup> Street Philadelphia, PA 19107	NO BID RETURNED	NO BID RETURNED	
Reed Construction Data Production 30 Technology Parkway South, Suite 100 Norcross, GA 30092	NO BID RETURNED	NO BID RETURNED	
Best Roofing of NJ, Inc. 30 Midland Avenue Wallington, NJ 07057	NO BID RETURNED	NO BID RETURNED	

FOR LOCAL AWARDS (BIDS OPENED IN PRESENCE OF)  
APPROVED SIGNATURE

FOR DIVISION OF PROCUREMENT USE ONLY (WITNESSED OPENINGS)  
DEPT PUBLIC WELFARE

DEPT COMPTROLLER

BUSINESS MANAGER

TRIASURY

*Booth A. J. [Signature]*  
*Charm [Signature]*  
*August K. [Signature]*

TIE BIDS - AWARDED BY BUSINESS MANAGER

STANDARD BID TABULATION  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF PUBLIC WELFARE

PROPOSAL NUMBER  
W-0509-0908  
NRM PROJECT  
Partial Roof Replacement  
Building 51, Forensic Unit

FACILITY  
Norristown State Hospital  
BID OPENING DATE  
September 15, 2010 2:00 PM

NAME OF VENDOR	BASE BID #1	BASE BID #2	BASE BID #3
Robert Ganter Contractors, Inc. 595 East Pumping Station Road Quakertown, PA 18951	NO BID	RETURNED	
Commercial Roofing Solutions 1510 Chester Pike, Baldwin Tower, Suite 104 Eddystone, PA 19022	NO BID	RETURNED	
East Rutherford Roofing Co. Inc. 264 Lackawanna Avenue Woodland Park, NJ 07424	NO BID	RETURNED	
J & K Contracting, Inc. 8900 Edgeworth Drive, Suite R Capitol Heights, MD 20743	NO BID	RETURNED	
P-C Roofing 1113 East 7th Street Wilmington, DE 19801	NO BID	RETURNED	
DME Construction Associates P.O. Box 482 Port Jefferson, NY 11777	\$67,990.00		

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 \_\_\_\_\_

FOR DIVISION OF PROCUREMENT USE ONLY (WITNESSED OPENINGS)  
DEPT. PUBLIC WELFARE  
*Bob E. Leonard*  
DPM COMPTROLLER  
*Chris Conway*  
TREASURY  
*Gregory Krutz*

TIE BIDS - AWARDED BY BUSINESS MANAGER

REQUEST TO ADVERTISE SOLICITATION: W-0509-0908

General Information

Department:

Date Prepared: 08/24/10      Type:      IFB

Advertisement Agency Construction

Type :

Solicitation#: W-0509-0908      Solicitation Title :      Partial Roof Replacement, Bldg. 51 - Forensic Unit

Description :      To inspect, quantify, remove and replace the existing SPF roofing system at roof areas denoted on the contract drawing. Installation of new TPO single ply membrane roofing system including membrane flashing, insulation system, blocking, retrofit roof drains, new overflow through wall scuppers, walk pads and caulking but not necessarily limited to providing all appurtenances necessary to accomplish the scope of work required.

Department Information

Department/Agency : Public      Delivery      Norristown State Hospital, 1001 East Sterigere  
Welfare      Location :      Street, Nornstown, PA 19401

County (if applicable) : Montgomery      Duration :      90 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:      08/24/10      Solicitation End Date :      09/15/10  
Bid Opening Date :      09/15/10      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:      08/25/10

Close Window