Permit #_____

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

BUILDING PERMIT APPLICATION

Street Address	Apt. or Tenant Address	City and State	Zip

Subdivision	Lot Number	Parcel Number	Zoning District	**Construction Est. Value $**
Public Water: Yes / No	Public Sewer: Yes / No	Gas: Natural/Propane/None	Sprinkler: Yes / No	***REQUIRED-** DO NOT INCLUDE PLUMBING, MECHANICAL, OR ELECTRICAL COST

Property Owner:_____
Address:_____
Home Phone:_____ **Cell Phone:**_____**E-mail:**_____

Tenant:_____
Address:_____
Home Phone: _____ **Cell Phone:** _____**E-mail:**_____

Contractor:_____**State Contractor Lic. No:**_____
Address:_____
Office Phone:_____ **Cell Phone:**_____**E-mail:**_____

Please note:

1. All contractors are to supply a certificate of insurance providing evidence of statutory Workers Compensation Insurance and Commercial General Liability Insurance with a minimum limit of $1,000,000 per occurrence. Doylestown Township, its elected and appointed officials, and employees shall be named additional insured under the contractor's General Liability Insurance policy.
2. Check the Township website to follow the permit application guidelines.

TYPE OF RESIDENTIAL BUILDING PERMIT (Please check one:)			
☐ Accessory Bldg (Over 1000 sq. ft)	☐ Demolition/Tank Removal	☐ Swimming Pool	☐ Hot Tub
☐ New Residential Dwelling	☐ Exterior Alterations	☐ Interior Alterations	
☐ Additions or Enclosures	☐ Deck- Above grade 30 inches or more	☐ Construction within a Floodplain	

***REQUIRED-** For all new residential construction, additions or renovations **complete the Energy Efficiency Worksheet.** ✓ ☐

OR

TYPE OF COMMERCIAL BUILDING PERMIT (Please check one:)			
☐ Additions	☐ Exterior Alterations	☐ New Construction	☐ Re-Roofing
☐ Alarm/FM 200 System	☐ Interior Alterations	☐ Tank Removal	
☐ Demolition: The Township requires a copy of the DEP Asbestos Abatement Permit			

DESCRIPTION OF PROPOSED CONSTRUCTION

PLEASE NOTE: The property owner(s) must sign this application to verify the contractor or tenant has permission from the property owner(s) to do all construction work authorized by the issuance of this permit. Two copies of a site plan with two copies of the appropriate construction documents must accompany this application. In addition, an indexed PDF disc must be included for all new subdivision or amended site plans.

By signing this application, authorization Is granted to any municipal representatives of Doylestown Township to access the above property as stated within this application and attached sub-trade permit application at any time, without an administrative warrant, to inspect and verify that any proposed use and/or structure contained within this application and/or that exists on the above property complies with all Doylestown Township zoning and building code ordinances.

The application together with the site plan and construction documents is made a part of this application by the undersigned. Furthermore, it is clearly understood and agreed to by the applicant and property owner that the Township office is not responsible for any property dimensions shown on the site plan and establishment of property lines is the sole responsibility of the property owner and applicant. The applicant and property owner also agree they are responsible for the replacement to Township standards of any Township road or infrastructure which is damaged during the building of the permitted structure and understands that the information provided on this application by the applicant(s) and property owner(s) is true and correct to the best of their knowledge or belief, and all information contained in their application becomes part of the public record. The applicant warrants the truthfulness of the information in the application, and that if any of the information provided is incorrect, the permit may be revoked. Furthermore, the application and permit can provide that if the permit is issued wrongfully, whether based on misinformation or an improper application of the code, the permit and certificate of occupancy may be revoked.

Written approval of final inspections will be required from all other agencies issuing permits for this project before a Certificate of Occupancy can be issued. By signing this application, the applicant certifies that all the information is correct and that the property owner has authorized work and inspection of that work. All work to comply with the PA UCC as amended.

Date:_____ Signature of Applicant(s)_____

Print Applicant(s) Name(s)_____

Date:_____ Signature of Property Owner(s)_____**(Required)**

Print Property Owner(s) Name(s)_____**(Required)**

FOR DETAILS OF THE GREEN POINTS INITIATIVE SEE THE TWP. WEBSITE AT:

www.doylestownpa.org/departments-and-services/code-and-zoning Under "Permit Applications and Guidelines"

REQUIRED: Does the applicant intend to apply for a Green Points Initiative Rebate BEFORE final inspection of this project? (You must check one) ✓ □ YES □ NO

APPLICATION GUIDELINES:

- **A PDF disc of the site plan and of the As-Built are also required.**
- **Application forms are also available from the Township Website: www.doylestownpa.org**

Residential:

1. **Construction drawings, if not signed by an architect or engineer, must have each page signed and dated by the property owner and state that the code followed is the PA UCC.**

2. **For new construction, follow the "New Home Construction Application Guidelines" found on the Township Website under Forms For Download/Code Enforcement.**

3. **New construction, including additions, requires an energy statement be enclosed with the application (e.g., REScheck) or a statement that the PA Alternative energy provisions will be used.**

4. **In addition to the building permit application, grading, plumbing, mechanical, electrical, zoning and highway occupancy permit applications may be required as appropriate and are to be submitted at the same time. PARTIAL OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.**

5. **For increases in impervious coverage between 1001 and 5000 sq. ft. follow Township Code Ch. 148 Appendix I and include the details of stormwater mitigation with your application.**

Commercial:

1. **All commercial construction documents are required to indicate that construction will comply with the requirements of the PA UCC, and be signed and sealed by a PA architect or engineer.**

2. **Subcontractor applications, including plumbing, mechanical, electrical, sprinkler, alarm and road occupancy to be submitted at the same time as the building permit application. PARTIAL OR INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED.**

3. **Include copies of other required applications/permits as appropriate (e.g. DEP asbestos abatement, COMcheck, PENNDOT highway occupancy permit, PA One Call, sewer, water, State licensing agency, etc.)**

4. **Follow "Accessibility Plan Review Requirements" found on the Township Website under Forms For Download/Code Enforcement.**

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

ACCESSIBILITY PLAN REVIEW REQUIREMENTS
For Commercial/Non Residential Building Permit Applications

Universal Accessibility to all services, goods, events and functions offered within the Commonwealth of Pennsylvania is a guaranteed civil right. Please review your construction documents to insure that right has not been violated. Basic compliance with all provisions of the standard ANSI A117.1 can help to insure that all of our citizens enjoy access to the goods and services offered within the state. Compliance with the applicable provision of the IEBC, IBC Chapter 11 and Appendix E, Pennsylvania Uniform Construction Code requirements and ANSI A117.1 will be field verified and shall be mandatory for receipt of a Certificate of Occupancy. Full compliance with accessibility provisions of the codes is mandatory. Failure to include provisions for compliance on the plan, or in the execution of the work is not an excuse to deny basic accessibility to our citizens.

Accessibility Plan Reviews are based on the specified edition of the ICC/ANSI A117.1 standard as referenced by the PA UCC International Building Code (IBC) or International Existing Building Code (IEBC). In order to perform a thorough Accessibility Plan Review, the following specifications, drawings and details must be submitted:

1. Two complete sets of signed and sealed (as required by applicable laws) architectural plans and material specifications of all work. Details and plans drawn to scale with sufficient clarity, details and dimensions to show the nature and extent of the work proposed.
2. For alterations to an existing building, state which code is to be used, IBC or IEBC.
3. A site plan including the following information:
    a. Size and location of all new construction and all existing structures on the site.
    b. Location of any recreational facilities (i.e. pool, tennis, courts, playground, club house, gazebo, etc.)
    c. Established street grades and proposed finished grade.
    d. Accessible parking, other locations of public access to the facility, accessible exterior routes between all required accessible features and locations of accessible entrances.
    e. Indicate if each entrance/exit is accessible or not.
4. Architectural plans and specifications to include:
    a. Description of uses and the proposed use group(s) for all portions of the building. The design approach for mixed-uses (as applicable).
    b. Fully dimensioned drawings to determine areas and building height.
    c. Adequate details and dimensions to evaluate accessible means of egress, including occupant loads for each floor, exit arrangement and sizes, corridors, doors, stairs, areas of refuge, assisted rescue etc.
    d. Adequate details and dimensions to evaluate the accessible route to areas required to be accessible, including corridors, doors, protruding objects, maneuvering clearances, clear floor space at fixtures and controls, break rooms and bathrooms, assembly seating, etc.
    e. Accessibility provisions including but not limited to access to services, seating, assistive listening systems, accessible fixtures, elevators, work surfaces and medical exam rooms (see L&I Directive).
    f. Accessible plumbing facilities and details.
    g. Indicate tactile and directional signage provided to comply with IBC Sec 1013.4, 1111 and Appendix E Sec E107, and their mounting height and location.
    h. Details of required fire protection alarm systems and component mounting heights.
    i. Millwork details of service desks and self-service counters showing the heights of operable controls mounted on those surfaces.

Note: The Accessibility Review will cover the scoping requirements of the PA UCC, IEBC, IBC Chapter 11, IBC Appendix E and other accessibility related requirements mainstreamed throughout the applicable building code. Technical requirements covered will be based on the applicable edition of ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities.

Permit #_____

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

(Please check one)

□ PLUMBING or □ SPRINKLER PERMIT APPLICATION

(Required) **Total Cost of Work:**	**$**

Owner: _____
Address: _____
_____
Owner Phone No: _____
Owner Cell No: _____

Contractor State Registration No: _____
Contractor Name: _____
Address: _____
Contractor Email: _____
Contractor Cell No: _____

Location of Work:_____ Tax Parcel #_____
Type of Building: (check one) □ Residential □ Non-Residential
Used as: _____ ENCLOSE 2 COPIES OF PLANS/SPECIFICATIONS
Type of Work: (check one) □ New □ Addition □ Alteration □ Repair □ Other □ Replacement

Type:	**Quantity:**	**Fees:**
Baseboard		
Bath		
Dishwashing Machine		
Drinking Fountain		
Fire Pump / Sprinkler System		
Floor Drain		
Garbage Grinder		
Grease Trap		
Humidifier		
Ice Maker		
Tank and Heater / Solar Heater		
Toilet/Urinal		
Sewage Ejector/ Sump Pump		
Shower		
Sink/ Lavatory		
Washing Machine		
Water Supply Connection		
Miscellaneous Fixture		
Total Fixtures and Fee: (Twp. use only)		
PA UCC Surcharge Fee: **$4.50**		
Total Fees: (Twp. use only)		

By signing this application, the applicant certifies that all the information is correct and that the property owner has authorized work and Township inspection of that work. All work to comply with the PA UCC as amended. Please call Doylestown Township at 215-348-9915 to schedule inspections at least 24 hours in advance.

Date:_____ Signature of Applicant_____(Required)
Print Applicant's Name_____ (Required)

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

MECHANICAL PERMIT APPLICATION

Owner: _____
Address: _____
_____
Owner Phone No: _____
Owner Cell No: _____

Contractor State Registration No: _____
Contractor Name: _____
Address: _____
Contractor Email: _____
Contractor Cell No: _____

Location of Work:_____ Tax Parcel #_____
Type of Building: (check one) □ Residential □ Non-Residential
Used as: _____ ENCLOSE 2 COPIES OF PLANS/SPECIFICATIONS

Type of Work: (check one) □ New □ Addition □ Alteration □ Repair □ Other □ Replacement

Type of Fuel: (check one) □ Oil □ Gas □ LPG □ Electric □ Wood/Pellet Stove

(Required) **Total Cost of Work:**	**$**

Type of Equipment	Quantity	Type of Equipment	Quantity
Air Cleaner		HVAC Return	
Air Conditioner		HVAC Vent	
Air Handler		Incinerator	
Boilers		Radiant Heater	
Floor Furnace		Range □ Com. □ Dom.	
Forced Air System		Range Hood	
Fuel Storage Tank		Refrigeration Unit	
Gas Fireplace		Space Heater	
Gas Piping		Solar System	
Generator		Solid Fuel Appliance	
Geothermal System		Wall Heater	
Hazardous Exhaust		Wood Stove/Pellet Stove	
Heat Pump		Ventilation Fan	
Hood Vent Fire Suppression		Other:	
Mechanical Permit Fees: (Twp Use Only)			
PA UCC Surcharge Fee: **$4.50**			
Total Fees Due: (Twp. use only)			

By signing this application the applicant certifies that all the information is correct and that the property owner has authorized work and Township inspection of the work. All work to comply with the PA UCC as amended. Please call Doylestown Township a 215-348-9915 to schedule inspections at least 24 hours in advance.

Date:_____ Signature of Applicant_____(Required)
Print Applicant's Name_____ (Required)

Permit #_____

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

ELECTRICAL PERMIT APPLICATION

Owner: _____
Address: _____
_____
Owner Phone No: _____
Owner Cell No: _____

Contractor State Registration No: _____
Contractor Name: _____
Address: _____
Contractor Email: _____
Contractor Cell No: _____

Location of Work: _____Tax Parcel #_____

Type of Building: (check one) ☐ Residential ☐ Non-Residential

Type of Work: (check one) ☐ New ☐ Addition ☐ Alteration ☐ Repair ☐ Replacement

If this application is for **BACKUP / STANDBY GENERATOR**, is the fuel source: ☐ PROPANE ☐ NATURAL GAS ☐ DIESEL

If fueled by Natural Gas or Diesel, a Mechanical Permit application is also required. (No Mechanical Permit required for Propane fueled generators)

MECHANICAL PERMIT APPLICATION ATTACHED ☐

Brief Description of work: _____
_____
_____

Total Cost of Electrical Work: $_____

All electrical permit applications, residential and non-residential, are to have attached TWO COPIES of an electrical plan, stamped and signed as reviewed and approved for PA UCC compliance by a Certified Third Party Agency.
All rough and final inspections are required to be undertaken by a PA Labor and Industry certified Third Party Inspector.
Copies of all inspection reports to be sent to the Township quoting this permit number. A full list of third party agencies is found on the Pennsylvania Labor and Industry website.

Go to: Pennsylvania Labor & Industry Website
Select: Uniform Construction Code
Select: Certified Third Party Agencies (Buildings)

TWO (2) COPIES of 3rd PARTY APPROVED PLANS ATTACHED ☐

Electrical Permit Fee:	**$ 55.00**
PA UCC Surcharge Fee:	**$ 4.50**
Total Fees:	**$ 59.50**

By signing this application, the applicant certifies that all the information is correct and that the property owner has authorized work and inspection of that work. All work to comply with the PA UCC as amended.

Date:_____ Signature of Applicant(s)_____

Print Applicant(s) Name(s)_____

Permit #_____

WORK SHEET FOR A SITE PLAN

SITE INFORMATION

Water Service: ☐ Public ☐ Private	Sewer Service: ☐ Public ☐ Private
Property Address:	

SITE PLAN

Include Two (2) Copies of this Site Plan with your application
SCALE = 1 inch _____ FEET

IMPERVIOUS COVERAGE

THIS CALCULATION IS REQUIRED FOR ALL PERMITS THAT WILL RESULT IN ADDITIONAL GROUND BEING COVERED: SHEDS, ADDITIONS & PATIOS, ETC.

Street Address	Apt. or Tenant Address	City and State	Zip

Subdivision	Lot Number	Parcel Number	Zoning District	Permitted Impervious %

DEFINITIONS

IMPERVIOUS SURFACE – Any surface which does not absorb rain; all buildings, parking areas, driveways, roads, sidewalks and any areas in concrete, asphalt, packed stone, pavers on sand or other equivalent surfaces. In addition, other areas determined by the Township Engineer to be impervious within the meaning of this definition shall also be classified as impervious. For purposes of this definition the areas of a swimming pool or pond located inside the coping shall be classified as impervious.

NET BUILDABLE SITE AREA – Net buildable site area is calculated for the purpose of determining allowable impervious surface and land permitted to be developed. Net buildable site area equals total lot area contained in the subdivision or land development application:

(a) Minus ultimate rights-of-way of existing streets;
(b) Minus land which is not contiguous or which is separated from the site by a road or railroad;
(c) Minus land shown on previous subdivision or land development plans as reserved for open space or other uses which restrict it from development;
(d) Minus all land restricted by easements or covenants; and
(e) Minus land required to be left open for resource protection or to meet minimum open space requirements of this chapter.

IMPERVIOUS SURFACE RATIO – The total area of all impervious surfaces divided by the net buildable site area.

IMPERVIOUS SURFACE PERMITTED TO BE DEVELOPED

net buildable site area x Permitted Impervious surface ratio

Lot Size (sq. ft.)	(Note: 1 Acre = 43560 sq. ft.)
Driveway (sq. ft.)	
Walkway (sq. ft.)	
Buildings (sq. ft.)	
Patio/Pool (sq. ft.)	
Easements/Other (sq. ft.)	
Total Existing Impervious (sq. ft.)	
Proposed Construction (sq. ft.)	
Total:	

(FOR USE BY DOYLESTOWN TOWNSHIP)

IMPERVIOUS COVERAGE		
Total Impervious Surface	Proposed %	Sq. Ft.
	Allowed %	Sq. Ft.

**** For increases in impervious coverage between 1001 and 5000 sq. ft. follow Township Code Ch. 148 Appendix I and include the details of stormwater mitigation with your application.**

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

CHANGE OF SUBCONTRACTOR APPLICATION

Due to the Pennsylvania Workers Compensation Insurance regulation, all change in subcontractors requires they provide proof of insurance. In addition, provide a liability insurance certificate naming Doylestown Township as certificate holder.

Job Location:	Permit No:

General Contractor:			
Contractor Address:			
City, State, Zip:			
Phone:		Fax:	
E-Mail:		State Contractor License No:	

To Replace #1:			
Subcontractor #1:			
Contractor Address:			
City, State, Zip:			
Phone:		Fax:	
E-Mail:		State Contractor License No.	
□ **Electrical**	□ **Mechanical**	□ **Plumbing**	

With Subcontractor #2:			
Subcontractor #2:			
Contractor Address:			
City, State, Zip:			
Phone:		Fax:	
E-Mail:		State Contractor License No.	

Signatures Required:			
Property Owner:		Date:	
Individual Responsible for Property:		Date:	
General Contractor:		Date:	
No. 2 Subcontractor:		Date:	

Don't Let Storm Water Run Off With Your Time and Money!

What the Construction Industry Should Know About Storm Water In Our Community

What is Storm Water?

Storm water is water from precipitation that flows across the ground and pavement when it rains or when snow and ice melt. The water seeps into the ground or drains into what are commonly called storm sewers. These are the drains you see at street corners or at low points on the sides of streets.
Collectively, the draining water is called storm water runoff.

The construction industry plays an important role in improving our community's quality of life by not only providing new development, but also protecting our streams and rivers through smart business practices that prevent pollution from leaving construction sites.

Storm water runoff leaving construction sites can carry pollutants such as dirt, construction debris, oil, and paint off-site and into storm drains. In our community, storm drains carry storm water runoff directly to local creeks, streams, and rivers with no treatment. Developers, contractors, and homebuilders can help to prevent storm water pollution by taking the following steps:

1. Comply with storm water permit requirements.
2. Practice erosion control and pollution prevention practices to keep construction sites "clean."
3. Conduct advanced planning and training to ensure proper implementation on-site.

The remainder of this fact sheet addresses these three steps.

Storm Water Permit Requirements for Construction Activity

Planning and permitting requirements exist for construction activities. These requirements are intended to minimize storm water pollutants leaving construction sites.

- Pennsylvania's Erosion and Sediment Pollution Control Program (25 Pa. Code, Chapter 102) requires Erosion and Sediment Control Plans for all earth disturbing activities.
- The National Pollutant Discharge Elimination System (NPDES) Permit Program (25 Pa. Code, Chapter 92) requires that construction activities disturbing greater than one acre submit a Notice of Intent for coverage under a general NPDES permit.

Knowing your requirements before starting a project and following them during construction can save you time and money, and demonstrate that you are a partner in improving our community's quality of life. For more information about these programs, contact your local county conservation district office or the Department of Environmental Protection.

Erosion Control Practices:

- Perimeter controls (e.g. silt fence)
- Sediment traps
- Immediate revegetation
- Phased, minimized grading
- Construction entrance
- Protection of streams and drainage ways
- Inlet protection

An Ounce of Prevention Rain that falls onto construction sites is likely to carry away soil particles and other toxic chemicals present on construction sites (oil, grease, hazardous wastes, fuel). Storm water, if not properly managed, carries these pollutants to streams, rivers, and lakes. Erosion and sediment control practices can serve as a first line of defense,

Pollution Prevention Practices:

- Designated fueling and vehicle maintenance area away from streams.
- Remove trash and litter.
- Clean up leaks immediately.
- Never wash down dirty pavement.
- Place dumpsters under cover.
- Dispose of all wastes properly.

minimizing clean up and maintenance costs, and the impacts to water resources caused by soil erosion during active construction. Erosion controls can reduce the volume of soil going into a sediment control device, such as a sediment trap, therefore, "clean out" frequencies are lower and maintenance costs are less. When possible, divert water around the construction site using berms or drainage ditches.

In addition, use pollution prevention and "good housekeeping measures" to reduce the pollution leaving construction sites as well. This can be as simple as minimizing the pollution source's contact with rainwater by covering it, maintaining a "clean site" by reducing trash and waste, and keeping vehicles well maintained.

The Best Laid Plans

Plans such as erosion and sediment control plans and storm water pollution prevention plans are important tools for outlining the erosion control and pollution prevention practices that you will use to manage storm water runoff prior to breaking ground. Developing good plans allows for proper budgeting and planning for the life of the project. Proper installation and maintenance of erosion and storm water controls is essential to a plan that works. Training for on-site staff helps to ensure the proper installation and maintenance of erosion controls and pollution prevention practices. Inspect controls and management techniques regularly to ensure they are working, especially after storm events. If polluted storm water is leaving the site, you may need to repair or add additional storm water controls.

The Bigger Storm Water Picture

Your community is preventing storm water pollution through a comprehensive storm water management program. This program addresses storm water pollution from construction, but it also deals with new development, illegal dumping to the storm sewer system, and municipal operations. It will also continue to educate the community and get everyone involved in making sure the only thing that storm water contributes to our streams is . . . water! Contact your community or the Pennsylvania Department of Environmental Protection for more information about storm water management.

For more information:

Pennsylvania Association of Conservation District's:
http://www.pacd.org/default.html

Pennsylvania Handbook of Best Management Practices for Developing Areas:
http://www.pacd.org/products/bmp/bmp_handbook.html

Storm Water Manager's Resource Center:
http://www.stormwatercenter.net

Pennsylvania Department of Environmental Protection: http://www.dep.state.pa.us

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

Residential Energy Efficiency Worksheet

ALL applicants applying for a building permit to build new, add an addition or renovate/alter a residential structure are required to complete this worksheet.

Please Print: Address of Project:_____

Please Print: Name-Title:_____Signature:_____
Date:_____

ALL building projects in PA must comply with the PA UCC (PA Uniform Construction Code). The PA UCC gives you the choice of following one of the four Energy Compliance paths listed below.

Note: You may find that the PA Alternative 2018 is the simplest route for many residential projects. The full text of the PA Alternative, and a list of 3rd Party Energy Testing agencies, can be found on the Doylestown Township website at www.doylestownpa.org/forms-for-download under "Code Enforcement Guidelines."

Choose which Energy Compliance Path you will follow (Check One):

☐ 1. **Pennsylvania Alternate Energy Provisions 2018 *** (also choose an entry option below)**

☐ 2. **International Residential Code 2015 (IRC 2015) Chapter 11**

☐ 3. **International Energy Conservation Code 2015 (IECC 2015)**

☐ 4. **An above Code Program "REScheck" or other:**_____

*****IF YOU CHOOSE THE PA ALTERNATIVE ROUTE YOU MUST CHOOSE ONE ENTRY REQUIREMENT BELOW**

✓ ONE	Option	Description		Minimum efficiency Climate Zone South (4A)
	1	Ductless heat pumps		8.5 HSPF
	2	All air ducts located inside the thermal envelope		Compliant
	3	Solar photovoltaic system installed		1.4 kW
	4	Geothermal or water source heat pump installed		Compliant
	5	Improved efficiency air source heat pump installed		8.7 HSPF
	6	Improved efficiency furnace installed		90AFUE
	7	Exterior continuous insulation		R20+10
	8	Improved airtightness		3.0ACH50
	9	Improved efficiency windows		U-factor = 0.25
	10	Package: improved efficiency windows and higher attic R-value with raised heel truss a.	Windows	U-factor = 0.27
			Attic	R-value = 60
	11	Package: improved efficiency windows and heat pump water heater	Windows	U-factor = 0.27
			Heat Pump Water Heater	Compliant

Note a. Full height of uncompressed insulation shall extend over the top plate at the eaves.

township of doylestown
Phone: 215-348-9915 • Fax: 215-348-8729
Website: www.doylestownpa.org
425 Wells Road • Doylestown, PA 18901

Residential Energy Efficiency Worksheet

Please Print: Address of Project:_____

If you choose the PA Alternative or IRC 2015 compliance path this list will help you comply. These items should be noted on your plan. The PA Alternative will also show you diagrams of how to comply with slab, insulation, and attic access. (The full text of the PA Alternative can be found on the Township Website.)

Insulation and Fenestration Requirements by Component (PA Alternate & IRC Chapter 11)

Wood Frame Walls (R-value)	**R-20** cavity or **R-13** cavity+ **R-5** insulated sheathing
Ceilings with Attic Space (R-value)	**R-49 (R-38** approved if not compressed over wall top plates)
Ceilings without Attic Space (R-valu	**R-30** where roof/ceiling assemblies do not allow **R-38** Limited to lesser of 500 square feet or 20% of area - IRC only
Floors (R-value)	**R-19**
Basement Walls (R-value)	**R-10** continuous insulation or **R-13** cavity insulation
Crawl Space Walls (R-value)	**R-10** continuous insulation or **R-13** cavity insulation
Unexcavated Foundation (R-value)	**R-10** to a depth of 2 feet (add **R-5** if slab heated)
Mechanical System Piping	**R-3** HVAC piping <55 deg or> 105 deg
HVAC Duct Insulation	Attic Ducts **R-8** for 3" diameter & greater, **R-6** less than 3" Other Ducts **R-6** for 3" diameter & greater, **R-4.2** less than 3" No insulation required for ducts completely inside thermal envelope
Window & Door (U-factor)	**0.35** maximum **(15** sq. ft. window exemption) (Opaque Door Exemptions - **24** sq. ft. IRC. **54** sq. ft. PA Alt.)
Thermally Isolated Sunroom	**R-24** Ceilings, **R-13** Walls, **0.45** Glazing U-Factor
Recessed Lights in Thermal Envelop	IC rated and *labeled* ASTM E283
Lighting Equipment	Minimum **75%** ***high-efficiency*** **lamps** in permanent light fixtures

In addition these items are to be completed for each project; testing results to be supplied to the Township:

All 4 of the compliance paths require compliance with the mandatory items listed in the IRC 2015 Chapter 11 which include the following important items:

Air leakage- Building Thermal Envelope (Blower Door Test)
(Testing does not apply to additions & alterations)

Testing of Building Thermal Envelope. Tested air leakage is less than 5 ACH when tested with a blower door at a pressure of 50 Pascals (0.007 psi) in accordance with RESNET/ICC380, ASTM E779 or ASTM E1 827. Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. See IRC Section N1 102.4.1.2 or PA Alt. 304.1.2 for complete requirements.

Duct Sealing/Testing

Ducts, air handlers, filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with the 2015 IMC or IRC Section M1601.4.1 and pressure tested. (Pressure testing not required if the air handler and all ducts are within the building envelope.)

Whole house mechanical ventilation is required: see PA Alt. Sect. PA 405 and IRC see N1103.6