

COMMERCIAL BUILDING PERMIT APPLICATION CHECKLIST

TOWNSHIP OF MOON

This checklist is intended as a general list of what may be required for the building permit. Before submitting for a permit, send a scope of the job to David Meinert, Building Code Official by email, dmeinert@moontwp.us, You will get a reply with a list of exactly what information is required to submit for a building permit.

<input checked="" type="checkbox"/>	Fill out and sign the " COMMERCIAL BUILDING PERMIT APPLICATION FORM ". Incomplete application can result in a denied permit. Building permit fee is paid after approval and when it is picked up.
<input checked="" type="checkbox"/>	Fill out the " COMMERCIAL ELECTRICAL PERMIT APPLICATION FORM " and Must include the electrical permit fee payment check, see attached "Commercial Electrical Permit Fee Worksheet , payable to "Township of Moon". Fill out the attached " COMMERCIAL ELECTRICAL PERMIT FEE WORKSHEET FORM " and pay by check for the total from the worksheet made payable to Moon Township.
<input checked="" type="checkbox"/>	Fill out and sign the " PERMIT AGREEMENT FORM ".
<input checked="" type="checkbox"/>	Fill out and sign the " WORKERS COMPENSATION AFFIDAVIT OF EXEMPTION FORM " OR Provide proof of Workers Compensation Insurance Certificate and name Moon Township as a certificate holder.
<input checked="" type="checkbox"/>	Fill out and sign the " DESIGN PROFESSIONAL CERTIFICATION FORM ". To be completed by all building design professionals, Architect, Mechanical, etc.
<input checked="" type="checkbox"/>	Provide 2 complete sets of construction drawings, (NOT ELECTRICAL) (<i>stapled and binding strip</i>) with Design Professional Seal as per attached "UCC Plan Review Checklist" (include building, structural, mechanical, fuel gas, plumbing, energy, com-check, and accessibility plans and details in compliance with ICC A117.1 "Accessible and Usable Buildings and Facilities" fire protection and alarm, shop fabricating drawings.
<input checked="" type="checkbox"/>	Provide 2 complete, sets of (ELECTRICAL DRAWINGS ONLY) drawings with Design Professional Seal. Separate electrical drawings need to be stapled, binded. 2 copies. These plans are required to be separate from the other drawings.
<input checked="" type="checkbox"/>	Provide 2 complete, folded sets of Site Utility plans with Survey Engineer Seal. Show accessible route and accessible parking. These plans are required to be separate from the other drawings.
<input type="checkbox"/>	Provide 2 copies of Energy Conservation Code Compliance Certification Perceptive Method or approved method with details and specifications.
<input type="checkbox"/>	Provide statement of special inspections as per International Building Code, Chapter 17 (<i>use Township provided forms and guide</i>). Submit completed and signed " SPECIAL INSPECTIONS AGREEMENT FORM ". Submit information, qualifications, resumes on the special inspections company and each special inspector.
<input type="checkbox"/>	Provide previous PA Labor and Industry Occupancy Certificate if this is an existing building constructed before April 9, 2004. Available at the following link.
<input type="checkbox"/>	Provide DEP Planning Module and letter of approval from MTMA for sewer and water service.
<input type="checkbox"/>	Provide final approval from Moon Township Planning Commission and Moon Township Board of Supervisors Conditional Use and Zoning Variances.
<input type="checkbox"/>	Provide rooftop, mechanical equipment, and screening details.
<input type="checkbox"/>	If applicable, fill out the " FAA NOTIFICATION AFFIDAVIT FORM " – FAA Form 7460-1 – Notice of Proposed Construction or Alteration" required for all construction projects ONLY REQUIRED WHEN USING A CRANE.
<input type="checkbox"/>	Provide Health Care Facilities State UCC Compliance and PA State Licensing Regulations/State Department of Health Plan approval verification.
<input type="checkbox"/>	Provide Child Day Care Facilities PA State UCC, Section 403.23 review and approval.
<input type="checkbox"/>	Provide Wind Load Calculations as per IBC minimum design mph.
<input type="checkbox"/>	Provide Pennsylvania Highway Occupancy Permit.
<input type="checkbox"/>	COMcheck energy design worksheet.

Fire protection and notification design drawings and shop drawings can be submitted later with deferred submittal form.
Plumbing Permit and plumbing inspections are through Allegheny County Health Department, Plumbing Division, (412) 922-6173

MOON TOWNSHIP COMMERCIAL PERMIT SUBMITTAL INFORMATION DETAILS

This checklist is intended as a general list of what may be required for the building permit.

INCOMPLETE SUBMITTALS AND MISSING REQUIRED INFORMATION WILL RESULT IN DENIED STATUS UNTIL ALL INFORMATION IS SUBMITTED

Include Electrical permit application, fee worksheet and fee check made to Moon Township with building permit submittal.

The building permit fee is paid after permit approval when it's picked up. Fees are by check payment only made to "Moon Township. Online or credit card payment is not available.

All submittals must be hard copies, mailed or dropped off.

Attached pdf commercial checklist doc has all the forms.

Attached word commercial checklist doc has highlighted all the information required to be submitted at the same time all together.

Please make sure to read all the docs to make sure all information is submitted accurately. Submit all the information highlighted together at the same time.

Drawings must have all the required information listed in the attached "UCC Plan Review Checklist" especially the cover sheet with all applicable codes. I attached a doc that has all the listed current codes.

Accessibility reach range max is 48". All knobs, pull stations, fire extinguisher cabinet, switched, thermostat controls, etc. etc. must be detailed as being located "below" 48", not to the center. Fire extinguisher cabinet max 48" AFF to top of cabinet.

A strobe horn device mounting dimensions / detail is required.

A detail showing mounting height and locations of all tactile text and braille signs is required as per both details for braille and text in ANSI A117.1

The attached gas test form is for later in the job and is needed as part of the framing inspection.

The attached deferred submittal form is for later when the sprinkler drawings are completed and ready to be submitted for review.

All applicable codes must be listed accurately on the cover sheet.

Visit Pennsylvania Labor and Industry web site for current codes. www.dli.pa.gov/ucc

Drawings must be stapled and bound.

All drawings must have design professional seal affixed. Digital printed seal/sign is permitted.

The initial plan review time frame is within 30 days. All plan reviews are expedited.

COMcheck energy work is required.

A separate sign permit is required for all signs.

Fire protection and notification design drawings and shop drawings can be submitted later with deferred submittal form.

Plumbing Permit and plumbing inspections are through Allegheny County Health Department, Plumbing Division, (412) 922-6173

TOWNSHIP OF MOON

1000 Beaver Grade Road, Moon Township, PA 412-262-1700

COMMERCIAL PERMIT APPLICATION

Address of Proposed Construction: _____

Describe Proposed Construction: _____

Describe Use of Property: _____

Property Lot #: _____ Tax Parcel ID #: _____

Property Owner: _____

Property Owner Address: _____

Property Owner Phone #: _____ Property Owner Email: _____

Property Occupant Name: _____ Property Occupant's Phone #: _____

Proposed Construction: New Building Addition Alterations Other: _____

Number of Stories: _____ Total Height: _____ Ft. long: _____ Ft. Wide: _____

Area of: 1st Flr.: _____ 2nd Flr.: _____ 3rd Flr.: _____ 4th Flr.: _____

Area of: Basement: _____ Garage _____ Deck: _____ Porch: _____ Total Area: _____

Fire Sprinklers: _____ ICC Code Use Group: _____ ICC Code Construction TYPE: _____

Total Cost of Construction: _____

Zoning Building Setback (Distance between proposed structure and property line)

Front: _____ Back : _____ Right: _____ Left: _____

Applicant Type: Owner Design Professional Contractor

Applicant's Name: _____

Address: _____

Phone #: _____ Email: _____

Contractor Name: _____ Company Name: _____

Company Address: _____

Phone #: _____ Email: _____

Design Professional Name: _____ Company Name: _____

Address: _____

Phone #: _____ Email: _____

The Applicant/Owner hereby certifies that the statements made herein, and representatives contained in all accompanying matter part of this application are true and correct. The Applicant/Owner shall be responsible for reviewing and fully understanding all permit conditions and ensuring compliance with all applicable codes and ordinances. The Applicant/Owner shall also be responsible for any fees incurred in relation to the above project. The Applicant/Owner grants Moon Township Officials the right to enter onto the property for inspecting the work permitted and posting notices. As Applicant, I hereby certify that proposed work is authorized by the Owner of record, and I have been authorized by the Owner to make this application as his authorize agent.

Applicant/Owner's Signature _____ Date: _____

In considering of the issuance by the Township of Moon (the "Township") of a Building Permit, Zoning Permit and other permits for the property located at _____ and to the undersigned property Owner(s) or the Agent(s) (the "Applicant"), the Applicant acknowledges that, in reviewing plans and specifications, in issuing permits and inspection work of the Applicant; the employees, consultants, elected or appointed official of the Township are only performing their duties to require compliance with the minimum requirements of the applicable ordinances of the Township and the minimum requirements of the applicable ordinances of the Township and the Pennsylvania Uniform Construction Code pursuant to the police power of the Township and are not warranting to the Applicant or to any third party the quality of adequacy of the design, engineering or work of the Applicant or their agents or contractors.

Applicant further acknowledged that although plan review and inspections will be provided, it will not be possible for the Township to review every aspect of the Applicant's design and engineering or to inspect every aspect of the Applicant's work. Accordingly, neither the Township nor any of its elected appointed officials, consultants, or employees shall have any liability to the Applicant for defects or shortcomings in such design, engineering or work, even if it is alleged that such defects or shortcomings should have been discovered during the Township's review or inspection, Furthermore, the Applicant agrees to defend, hold harmless and indemnify the Township, its elected officials, consultants and employees from and against any and all claims, demands, actions, and causes of actions of any one or more third parties arising out of or relating to the Township's review or inspection of the Applicant's design, engineering, or work or issuance of a permit or permits, or arising out of or relating to the design, engineering or work done by Applicant pursuant to such permit or permits. All references in this Agreement to Applicant's design, engineering or work shall include such design, engineering, and work, which is performed by the Applicant or by the Applicant's employees, agents, independent contractors, subcontractors or any other person or entities performing work pursuant to the issuance of the Building Permit Zoning Permit and other permits by the Township.

Owner/Agent's Signature _____ Date _____

Print Name _____

WORKERS COMPENSATION AFFIDAVIT OF EXEMPTION

TOWNSHIP OF MOON

The undersigned swears or affirms that he/she is not required to provide workers' compensation insurance under the provisions of Pennsylvania's Workers' Compensation Act for one of the following reasons, as indicated:

- Contractor is a sole proprietorship with no employees.
- Religious exemption under Section 304.2 of the Workers' Compensation Law.
- Contractor is a corporation and the only employees working on the project have and are qualified as "Executive Employees" under Section 104 of the Workers' Compensation Act. Please explain:

- Owner is the Contractor
- Other: Please explain: _____

Please be aware of the following requirements under the Pennsylvania Workers' Compensation Act:

1. Any subcontractors used on this project will be required to carry their own workers' compensation coverage.
2. Violation of the Worker's Compensation Act or the terms of this information form will subject the Contractor to a stop-work order and other fines and penalties as provided by law.

My signature on behalf of or as the Contractor as stated on this form constitutes my verification that the statements contained here are true.

Signature _____ Date _____

Name (please print) _____ Contact No. _____

Address: _____

Please be advised that I, _____ have designed

 (Architect's/Engineer's Name)
 the plans for _____ submitted for permit review to the

 (Construction Project Name)
 Township of Moon for proposed construction of _____

 (Project Description)

located at _____ to the best of my knowledge,

 (Street Address of Proposed Construction)

These plans, numbered page _____ to page _____, dated _____ have
 been designed to meet the requirements of the Township of Moon Ordinance Chapter 5, Code Enforcement and
 current applicable Pennsylvania State Uniform Construction Code (UCC).

All ANSI A 117.1 accessibility code dimensional requirements and maximum and minimum ranges and tolerances
 are permitted. All absolute dimensions are subject to conventional industry tolerances.

 Design Professional's Signature

 Date

 Design Professional's Name Printed

(Affix Professional Seal)

FAA NOTIFICATION AFFIDAVIT

FAA FORM 7460-1

NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

TOWNSHIP OF MOON

Federal Regulation (14 CFR) Part 77 establishes standards and notification requirements for objects affecting navigable airspace. This notification serves as the basis for:

- Evaluating the effect of the construction or alteration on operating procedures.
- Determining the potential hazardous effect of the proposed construction on air navigation.
- Identifying mitigating measures to enhance safe air navigation.
- Charting of new objects.

Notification allows the FAA to identify potential aeronautical hazards in advance thus preventing or minimizing the adverse impacts to the safe and efficient use of navigable airspace.

On-Airport proposals within the FAA Central Region, the sponsor should E-file the required information at <https://oeaaa.faa.gov/oeaaa/external/portal.jsp>.

Off-Airport proposals, the sponsor should make every attempt to E-file the required information at <https://oeaaa.faa.gov/oeaaa/external/portal.jsp> if unable mail the completed 7460-1 form to the following address:

Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Persons failing to comply with the provisions of FAR Part 77 are subject to civil penalty under Section 902 of the Federal Aviation Act of 1958, as amended and pursuant to 49 U.S.C. Section 46301(a).

I, _____ acting on behalf of the Owner/Contractor
(Name)

_____ Hereby affirm that the Notice of Proposed Construction or
(Owner/Contractor Name)

Alteration FAA Form 7460-1 has been provided to the Federal Aviation Administration (FAA) a minimum of
45 days prior to construction for _____
(Project Name)

located at _____.

Owner/Contractor Signature

Date

Owner/Contractor Name Printed

Contact with any questions at:

Alan E. Ebling, P.E.
 Project Manager
 Management Engineering Corporation
 aebling@mec4cm.com
 412-472-5355 (Office)
 412-287-6602 (Cell)

GAS LINE INSTALLATION AND PRESSURE TEST COMPLIANCE AFFIDAVIT

TOWNSHIP OF MOON

DATE _____ **PERMIT NUMBER:** _____

PROJECT ADDRESS: _____

PLAN NAME: _____ **LOT No.:** _____

BUILDER NAME _____

BUILDER ADDRESS _____

BUILDER AGENT PRINT NAME AND SIGN _____

GAS LINE INSTALLER COMPANY NAME _____

INSTALLER ADDRESS _____

INSTALLER AGENT PRINT NAME AND SIGN _____

I hereby certify that the fuel gas lines installed at above address have been tested and installed in accordance with the International Residential Code (for one- and two-family dwellings) or the International Fuel Gas Code (for non-residential) as adopted by the Pennsylvania Uniform Construction Code and enforced by the Township of Moon.

Test Pressure: _____psig (Shall not be less than 1 ½ times the proposed maximum working pressure or not less than 3psig for Single- and Two-Family Dwellings)

Proposed Working Pressure: _____psig

Test Duration: _____minutes (Not less than 10 minutes for a single- or two-family dwelling and not less than 30 minutes for each 500 cubic feet of piping.

Bonding/Grounding: I hereby certify that all gas piping installed at this property have been properly bonded/grounded in accordance with the International Residential or International Fuel Gas Code as adopted under the Pennsylvania Uniform Construction Code and the manufacturer’s installation instructions.

PROVIDE THIS COMPLETED FORM TO MOON TOWNSHIP INSPECTOR AT FRAMING AND FINAL INSPECTIONS.

1000 Beaver Grade Road, Moon Township, PA 15108 412.262.1700 moontwp.us

Township of Moon

1000 Beaver Grade Rd, Moon Township, PA 15108

(412) 262-1700

(Please submit 2 copies of all applicable information for review)

Fire Alarm Systems, Fire Sprinkler, and Truss Systems Deferred Submissions Form

Must provide existing primary building permit number.

Provide issued building permit number for the space where the installation is proposed _____

Property Address _____ Building space _____

City, State, Zip _____

➤ Applicant _____ Phone # _____

Email _____ Cell Phone# _____

Address _____ City, State, Zip _____

➤ Property owner _____ Phone # _____

Address _____ City, State, Zip _____

➤ Occupant _____ Phone _____

Address _____ City, State, Zip _____

➤ Contractor: _____ Phone # _____

Address _____ City, State, Zip _____

➤ Design Professional _____ Phone # _____

Address: _____ City, State, Zip _____

Proposed work: _____

The applicant / owner hereby certifies that the statements made herein, and representations contained in all accompanying information part of this application are true and correct. The applicant / owner shall be responsible for reviewing and fully understanding all permit conditions and insuring compliance to all applicable codes and ordinances. The applicant / owner grants Moon Township officials the right to enter the property for the purpose of inspecting the work. As applicant, I hereby certify that the proposed work is authorized by the owner of record and I have been authorized by the owner to act as the authorized agent.

➤ Owner/agents signature _____ Date _____

UCC Codes

The UCC Administration and Enforcement regulation has adopted the following codes for use throughout the Commonwealth of Pennsylvania, effective 10/1/2018.

International Building Code 2018 (code for all buildings and structures not regulated by the International Residential Code:

- Chapter 1 is not adopted (most of its requirements are incorporated in Chapter 403 of the UCC regulation)
- Chapter 27 (Electrical) requires that all electrical components, equipment and systems in buildings and structures covered by the IBC comply with the requirements of NFPA 70-2017, **National Electric Code**.

Chapter 11, International Building Code 2021 Accessibility Requirements

International Energy Conservation Code 2018

International Existing Building Code 2018

International Fire Code 2018

- Adopted only to the extent referenced in Chapter 35 of the International Building Code 2018.

International Fuel Gas Code 2018

- Any LPG requirements are superseded by the requirements of Pennsylvania's Propane and Liquefied Petroleum Gas Act (and regulations). This Act and regulations are limited to LPG Facility which is defined as Distributors, Bulk Plants, and Industrial Users. The department fully expects building code officials to permit, inspect, and regulate as needed all aspects of LPG appliances and related tubing inside structures in the same manner as any other appliance such as natural gas or electric as required by municipality or political subdivision ordinance. To further clarify, any appliance, heater, generator, etc. which would normally require a permit or inspection from a BCO does not become exempt simply because the fuel source is LPG.

International Mechanical Code 2018

International Performance Code for Buildings and Facilities 2018 (provides alternative compliance approach)

International Plumbing Code 2018

International Residential Code 2018 (code for one- and two-family dwellings no more than 3 stories in height)

International Wildland-Urban Interface Code 2018 (supplementary requirements that may be used to mitigate fire- and life-safety hazards in unique wildland areas)

Important Note:

Many of these codes have various code sections amended by the UCC Review and Advisory Council (RAC). This information was published on February 14, 2022, in the Pennsylvania Bulletin and became effective the same date. Access to these changes is provided by the link below. This information will also be posted on our website in the near future.

[Pennsylvania Bulletin \(pacodeandbulletin.gov\)](http://pacodeandbulletin.gov)

SITE PLANS

- Site plans shall be prepared to scale, with legend, north arrow, and **separate** vicinity (site location) map.
- Show the correct street address, parcel number and required municipal zoning (if there is local zoning ordinance) on the site plans.
- Show and identify all property lines and rights-of-way, with distance from property lines and adjacent buildings on site plans.
- Show all accessible parking spaces and signage per ICC/ANSI A117.1 and the *International Building Code* on site plan. Provide enlarged dimensioned plan and details for all accessibility components.
- Show accessible curb cuts, ramps and access ways to the building, accessible route from parking to building.
- Show all existing and proposed driveway entrances.
- Identify adjacent land uses and zoning.
- Show all easements, flood ways, and required buffers.
- Show existing and proposed utilities to serve the site, including fire hydrant locations.
- Show existing and proposed finish grades.
- Show details, sections, and elevations needed for construction.
- Show all buffer and screening landscaping.
- Show all required parking and loading spaces and calculations.

TITLE PAGE COVER SHEET

- Written Scope of Work
- Sheet Index
- List of Applicable Codes (*see Codes and Standards Enforced under the UCC, attached to this packet*)
- Code analysis/code data, type of construction, IBC Use Group occupancy classification, number of stories, fire sprinkler, fire alarm, floor area of renovation/new, occupancy load calculation, energy compliance depth, height and area, etc.
- Name and Address of Project
- Contact, Architect, and Property Owner Information (*including name, mailing address, email, and contact number*)
- Design Professional Seal and Signature
- Location Map

ARCHITECTURAL PLANS

- Show architectural floor plans of each floor. Indicate the approved, tested hourly rating, number and location of all members and assemblies (walls, columns, floor and ceiling, and ceiling and roof fire-rated design assemblies). Show all fire-rated walls (both existing and new) with their ratings, if not shown elsewhere. Drawings submitted without required fir-rated walls shown will be rejected.
- Show the square footage of each floor on the corresponding floor plans.
- Identify the names and uses of each room.
- Egress, travel distance, door, stair, capacity requirements, etc. Furnish floor schedule(s) including size, type, rating (if any), and hardware.
- Provide all glazing schedules.

- Show elevations with dimensions defining overall building height, floor-to-floor heights or heights to ridge and eave as applicable to the type of building construction listed on the UCC application. (Note: Where an existing building is involved, photographs of all sides of the building may be submitted to show elevations. **These will be acceptable only if they show all elements necessary to determine compliance with the UCC.**)
- Provide basement percentage-below-grade basement calculations.
- Indicate roof slopes, drainage system and sized through wall scuppers, if applicable to the project.
- Show fixed seating for assembly occupancy to allow determination of occupancy posting required by *International Building Code*.
- Show wall sections with proposed material sizes, construction and fire-rated assemblies.
- Show proposed plumbing fixtures and privacy screens on the plans.
- If masonry construction is proposed, include the following information:
 - Type of brick ties
 - Control joints
 - Placement of wall flashing and reinforcement.
- If appropriate for the proposed occupancy, plans should identify all hazardous material control areas, fire barriers and the required fire-resistance ratings for these barriers. All identified control areas shall list the name, class, quantity and method of storage of all hazardous materials processed, manufactured or used in a manufacturing process and contained within its fire barriers. Provide a Material Safety Data Sheet for each listed hazardous material.
- Show the floor slab vapor barrier.
- Show foundation water-proofing, if applicable.
- All penetrations of fire-rated construction must be per manufacturer’s details. The details shall meet or exceed the rating of construction being penetrated. The penetration details shall be exactly as tested by an approved testing laboratory or agency and shall include their system numbers. New penetrations of existing fire-rated walls and assemblies shall be shown with appropriate designs.
- Show penthouse drawings.
- Provide on the drawings the calculations for the means of egress widths for the entire floor occupancy load and the existing capacity of all exits including all stairs, doors, corridors and ramped exits.

FIRE PROTECTION PLANS

- Complete a sprinkler design data sheet and include it on the first plan of the sprinkler drawings.
- Show floor plans for each floor with sprinkler piping layout, pipe sizes, pipe hanger details, piping materials, doors, walls and room identities. Often, these shop drawings are not available at the time of initial plan submission. If this is the case, write in “NA,” but note the following:
 - These shop drawings must be submitted for department review and approval **at least two weeks before the projected installation date**.
 - Failure to obtain approval of these drawings before installation could result not only in delay of the final inspection and issuance of an occupancy permit, but also in removal and reconstruction of installations which fail to meet UCC requirements.
- Show ceiling plans with sprinkler head(s) layout, walls, soffits, openings, doors, dimensions and room identities.

- Verify system design by providing hydraulic calculations along with the following:
 - Recent water flow test.
 - Ten percent safety margin.
 - Type of backflow-preventer or reduced pressure zone showing equivalent foot loss.
 - Fire pump summary.
- For residential occupancies such as apartments and condominiums, show sprinkler head locations at breezeways, if applicable.
- Indicate the certified testing laboratory agency (e.g., U.L.), their test number and hourly ratings of all new and/or affected rated members and assemblies (i.e. columns, beams, floor/ceiling and ceiling/roof fire-rated design assemblies). Show all new and/or affected fire-rated walls with their ratings, if not shown elsewhere.
- All penetrations of fire-rated construction must be per manufacturer’s details. Details shall meet or exceed ratings of construction being penetrated. Penetration details shall be exactly as tested by a certified testing laboratory or agency and shall include their system numbers. All new penetrations of existing fire-rated walls and assemblies shall be shown with appropriate designs.
- Provide a fire alarm riser showing connection to a UL-approved central station. Show tamper switches on both OS and Y valves of backflow prevention device, unless shown elsewhere.
- Indicate commodity class and height of any storage.
- Provide Material Safety Data Sheets for any hazardous materials (also specified under “**Architectural Plans**”).
- Where special temperature-rated or high-temperature sprinklers are required, show sprinkler type(s) per area, office size, cut sheets with K-factor, water requirements, spray pattern, coverage and other pertinent data.

SYSTEM CALCULATIONS (FIRE PROTECTION)

Hydraulically calculated and pipe schedule fire systems should be designed with a ten percent safety margin for all new buildings and additions to existing buildings. Calculations for hydraulic systems should include:

- Flow and pressure at each flowing sprinkler head.
- Flow diagram for a grid system.

MECHANICAL PLANS

- Show all required wall louvers, penetrations and fans.
- Indicate roof-mounted equipment locations.
- Show all mechanical equipment, piping, ductwork (above/below slab) on the mechanical floor and/or roof plan.
- Provide mechanical plans for each floor and the roof. These shall show the ductwork layouts, schedules, notes, legends, piping schematics, and details necessary to define the system being installed.
- Indicate air distribution devices and show cfm for all supply, return and exhaust devices.
- Indicate the location of all equipment components required for a complete system.
- Show the smoke ventilation of atriums and pressurization of high-rise stairwells.
- Show condensation drains, primary and secondary, from the unit to the point of discharge.
- Indicate toilet exhaust requirements.
- Show mechanical room layouts at sufficient scale for dimensions and details to be ascertained.
- Show the size of duct runs.
- Indicate controls for fan shutdown: emergency manual and automatic smoke detection.

- Show the location of all UL 555-certified fire dampers, ceiling radiation dampers, smoke dampers, and fire doors.
- Show all fire-rated walls (both existing and new) with their ratings on the mechanical plans.
- All penetrations of fire-rated construction must be per manufacturer's details.
- Room names and numbers for each floor should be on a floor plan for each level.
- Provide outside air ventilation rate, fresh air as per the *International Mechanical Code (ICC)*.
- Column line notations, if provided on the architectural/structural plans, shall be identified on the mechanical plans.
- Provide gas piping layout on the floor plan for each floor. If it is a multi-story building, all gas piping shall be shown per floor. Include pipe sizes, water column, and type of material. Provide a schedule of connected equipment, total BTUH demand, total equivalent length, and most remote gas appliance.

ELECTRICAL PERMIT APPLICATION CHECKLIST

MOON TOWNSHIP, 1000 BEAVER GRADE RD, MOON TOWNSHIP, PA 15108 412-262-1700

<input type="checkbox"/>	FILL OUT AND SIGN THE "ELECTRICAL PERMIT APPLICATION" FORM.
<input type="checkbox"/>	FILL OUT AND CALCULATE FEE ON THE "ELECTRICAL PERMIT FEE WORKSHEET".
<input type="checkbox"/>	ADD UP ALL FEES IN THE COLUMN TO THE TOTAL FEE
<input type="checkbox"/>	FEE CHECK FOR TOTAL AMOUNT MADE TO " <u>TOWNSHIP OF MOON</u> ".
<input type="checkbox"/>	SUBMIT "ELECTRICAL PERMIT APPLICATION" AND "ELECTRICAL PERMIT FEE WORKSHEET" AND FEE PAYMENT CHECK MADE TO <u>TOWNSHIP OF MOON</u> ALL IN HARD COPY TO THE MOON TOWNSHIP OFFICE
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

-
- Electrical permit fee check must be submitted together with the Electrical Permit Application and the Electrical Permit Fee Worksheet.
 - Contact the electrical inspector to schedule electrical inspections at, Electrical Inspector, John Panek, 412-974-5445.

TOWNSHIP OF MOON

1000 Beaver Grade Road, Moon Township, PA 412-262-1700

Permit No. _____

ELECTRICAL PERMIT APPLICATION

Job Address: _____

Subdivision: _____ Property Lot #: _____

Applicant: _____ Applicant Phone #: _____

Applicant Email: _____

Property Owner: _____

Property Owner Address: _____

Property Owner Phone #: _____

Electrician's Name: _____ Electrician's Phone #: _____

Electrician's Address: _____ City: _____

Type of Improvement: New Construction Addition Alterations

Other: _____

Description of Work:

The Applicant/Owner hereby certifies that the statements made herein, and representations contained in all accompanying matter part of this application are true and correct. The Applicant/Owner shall be responsible for reviewing and fully understanding all permit conditions and ensuring compliance with all applicable Codes and Ordinances. The Applicant/Owner shall also be responsible for any fees incurred (engineering, etc.) in relation to the above proposed project. The Applicant/Owner grants Moon Township officials the right to enter onto the property for the purpose of inspecting the work permitted and posting notices. As an applicant, I hereby certify that proposed work is authorized by the Owner of Record, and I have been authorized by the Owner to make this application as his authorized agent.

Applicant/Owner's Signature _____ Date: _____

Call Electrical Inspector to schedule your inspection - Electrical Inspector - John Panek 412-974-5445

*****All Electrical Permit Applications MUST be accompanied with the completed Electrical Permit Fee Worksheet and a check made payable to "Township of Moon" *****

Office Use Only

Permit Fee

Check No./ Receipt No.

Permit Approved by

