

# Commercial Plumbing Review Checklist

New Construction, Additions, Remodels,  
and Tenant Improvements



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## REQUIRED ITEMS TO BE INCLUDED ON ALL PLUMBING PLANS

- Plumbing plans
- Isometric plans, riser diagrams, and floor plans
- The floor plan must show the locations of all the plumbing fixtures. The sizes and locations of all horizontal sanitary and storm water piping must be shown on the plan.
- Water heater size, location, venting and potable hot water distribution system
- Service water heating energy conservation compliance ( efficiency, piping insulation, temperature and pump controls)
- Plumbing fixture specification's, manufacturer and model numbers
- Backflow prevention devices (as required) - Type (s) and locations
- Plumbing piping materials, including the type of supports and joints
- Pressure relief devices and expansion tanks
- Water supply piping sizing diagrams
- Water service pressure, meter sizing, with sizing calculations
- Drain, Waste and vent piping sizing, calculations and isometrics
- Where grease waste systems are required, the size, location and details shall be required
- Rain water removal system, sizing calculations and isometrics
- Complete details of the method of draining storm water from the roof including calculations to verify pipe and/or gutter sizes, the location of all roof drains and the roof area that each group of roof drains is intended to serve, and an independent secondary roof drainage system with isometric's.
- Medical gas plans and specifications

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## FOR MINOR REMODEL AND MINOR NEW CONSTRUCTION PROJECTS

If the plumbing system is not a complex system as described above, some plumbing plan review requirements may be omitted. Omitting of any above item(s) requires prior approval. Submit written requests to Tony Sauro at [tsauro@ci.missoula.mt.us](mailto:tsauro@ci.missoula.mt.us) for approval, prior to submitting plans with omitted items.

Submitting plans for review does not authorize the installation of any portion of the plumbing system until the plans have been approved. If significant errors are found in the drawings and specifications during the review process or required information is missing, the designer will be required to submit revised plans incorporating any necessary changes and/or information before the plans will be approved.

## HELPFUL LINKS/INFO

ACA Website (apply for your permits online): <https://ebiz.ci.missoula.mt.us/CitizenAccess/>

Permit Fee Table: <https://www.ci.missoula.mt.us/DocumentCenter/View/5235/2018-Building-Permit-Valuation--Plan-Review-Fees-?bidId=>

Fee Schedule: <https://www.ci.missoula.mt.us/DocumentCenter/View/3985/2010-Commercial-Development-Impact-Fee?bidId=>

IAPMO <http://www.iapmo.org/publications/read-uniform-codes-online/>

State of MT Plumbing Admin Rules: <http://www.mtrules.org/gateway/RuleNo.asp?RN=24%2E301%2E301>

Missoula Water Standard Drawings and Guidelines: <https://www.ci.missoula.mt.us/2102/StandardsGuidelines>

Missoula Water Quality, Backflow and Cross Connection: <https://www.ci.missoula.mt.us/2242/Water-Quality>

Industrial Waste Water Regulations: <http://ci.missoula.mt.us/575/Ordinance>

Design and drawings, Grease, and sand oil Interceptors: <http://www.ci.missoula.mt.us/2338/Design-Drawings>

Health Department link: <https://www.missoulacounty.us/government/health/health-department/permits-licensing-forms>