



Ordinance 2018-30 Exhibit D

Amendments to the: 2018 International Mechanical Code



Chapter 1 Administration. DELETE chapter 1 with the exception of section 107. (Deleted sections are administered by 2018 IBC, Chapter 1).

Section 307.2.1 Condensate disposal. REVISE section by ADDING the following at the end of the paragraph: Condensate disposal shall be allowed to terminate as follows:

1. Into an approved fixture tailpiece, funnel drain, waste air gap fitting, floor sink, slop sink and laundry tray.
2. At or below grade outside the building in an area capable of absorbing the condensate flow without surface drainage.
3. Over roof drains or gutters or downspouts that connect to drainage pipes, provided they terminate at or above grade in an area capable of absorbing the condensate flow without surface drainage.

Section 401.4 Intake opening location. REVISE section by ADDING an exception to read:

Exception: Replacement of existing evaporative coolers where the building official determines that the replacement does not constitute a high degree of hazard.

Section 403.3.1.5 Balancing. REVISE section by DELETING the second sentence and REPLACING it with the following:

Ventilation systems shall be balanced by individuals holding current certification from the Associated Air Balance Council (AABC), the National Environmental Balancing Bureau (NEBB) or other *approved* agencies. A final report shall be provided to the engineer of record and code official. The Air Balance report shall be reviewed by the Building Official Prior to the issuance of a Certificate of Occupancy.

Section 606.2.1 Return air systems. REVISE section by DELETING sentence and REPLACING it with the following:

Duct smoke detectors shall be installed in the return duct of air distribution systems moving more than 2000 cfm. Duct smoke detectors shall be located upstream of air filters or outside air inlets.

ADD new section 928.2 to read:

Section 928.2 Water conservation. Evaporative cooling systems shall be provided with a recirculating water system. Any bleed off rate used by the system shall be limited to that recommended by the manufacturer. Once-through evaporative cooling systems using potable water shall not be permitted.

ADD new section 930 to read:

Section 930 Water cooled refrigeration/heat removal systems—water conservation. A water-cooled refrigeration system or heat removal system, (defined as refrigeration or heat removal system using water, all, or in part, for condensing a refrigerant), shall not discharge more than three gallons of water per nominal ton per hour into an approved sanitary disposal system. Condenser wastewater discharge shall be accomplished by the use of an air gap, as described in the *International Plumbing Code*. Each water-cooled system shall be provided with one or more of the following water-saving devices: (a) a cooling tower; or (b) an evaporative condenser; or (c) an *approved* water circulating device.

Section 1001.1 Scope. REVISE section by DELETING the text of exception 7 and REPLACING it with the following:

Any boiler or lined water heater in excess of 200,000 BTU shall be subject to inspection by Federal or State inspections. See Arizona Boiler Rules for regulations, Title 20, Chapter 5.

Section 1004.1 Standards. REVISE section by DELETING all text after the second sentence and ADDING the following:
Boilers shall be designed and constructed in accordance with the *ASME Boiler and Pressure Vessel Code*, and Arizona Boiler Rules, Title 20 Chapter 5.