

2021 Code Section	2018 Code Section	Title or Subject	Reviewer Comments	Sig. Change (Y/N)	Costs (Y/N)	WA Amend Needed (Y/N)	TAG Comments/ Recommendations to MVE Committee
<b>2021 INTERNATIONAL MECHANICAL CODE</b>							
<b>Chapter 4 Ventilation</b>							
<b>TAG Member Assigned:</b>							
401.2	401.2	Ventilation required	WA amendments supersede	Y	N	N	
401.2	401.2		<b>Existing state amendment</b> Reformats section into subsections that point to state requirements <b>Staff Recommendation: Retain state amendment</b>				Concur with staff
401.2.1	401.2.1	Group R occupancies	<b>Existing state amendment</b> WA language pointer for whole house ventilation requirements <b>Staff Recommendation: Retain state amendment</b>				Concur with staff
401.2.2	401.2.2	Ambulatory care facilities and Group I-2 occupancies	<b>Existing state amendment</b> WA amendment pulled from 401.2 <b>Staff Recommendation: Retain state amendment</b>				Concur with staff
401.2.3	401.2.3	All other occupancies	<b>Existing state amendment</b> WA amendment pulled from 401.2 <b>Staff Recommendation: Retain state amendment</b>				Concur with staff
401.3	401.3	When required	<b>Existing state amendment</b> Specific charging language for whole house ventilation is added <b>Staff Recommendation: Retain state amendment</b>				Concur with staff
401.4	401.4	Intake opening location	Eliminate amendment	Y	N	N	

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			<p><b>Existing state amendment</b></p> <p>Two exceptions are added regarding environmental air exhaust and intake openings and enclosed parking garage intake openings. 2021 IMC adds language to item 3 that is effectively the same as the first state added exception.</p> <p><b>Staff recommendation</b></p> <p>Modify the state amendment to delete the exception to item 3 and replace it with the new 2021 IMC language</p>				Concur with staff
401.7	401.7		<p><b>Existing State Amendment</b></p> <p>WA only language allowing the code official to require flow testing</p> <p><b>Staff Recommendation:</b></p> <p>Modify the state amendment to replace "building official" with "code official"</p>				Concur with staff
403.1	403.1	Ventilation system	WA amendment eliminates the affected sentence	Y	N	N	
403.1			<p><b>Existing state amendment</b></p> <p>Removes reference to Group R requirements</p> <p><b>Staff Recommendation:</b></p> <p>Retain state amendment</p>				Concur with staff
403.2.1	403.2.1	Recirculation of air, exception 2	Accept change	N	N	N	
403.2.1			<p><b>Existing state amendment</b></p> <p>Deletes the allowance for recirculation of air within footnote b spaces; adds an allowance for recirculating footnote g spaces when returned to an ERV</p> <p><b>Staff Recommendation:</b></p> <p>Eliminate the state amendment to item 4 with the 2021 IMC language for item 2 and footnote g</p>				Concur with staff

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403.3	403.3	Outdoor air and local exhaust airflow rates	<b>Existing state amendment</b> Pointer to whole house ventilation requirements in lieu of IMC requirements <b>Staff Recommendation:</b> Retain state amendment				Need to discuss: is R-1 included in 403.3 or should be in 403.3.1?
403.3.1.1	403.3.1.1	Outdoor airflow rate	<b>Existing state amendment</b> Adds requirements for outdoor air to be ducted to each occupiable space; <b>exception clarified with a backstop</b> <b>Staff Recommendation:</b> Retain state amendment				Concur with staff What is backstop clarification?
Table 403.3.1.1	Table 403.3.1.1	Minimum Ventilation Rates	Do we use both Tables?	N	N	N	
Table 403.3.1.1	Table 403.3.1.1	Note G below table	Accept new language	Y	N	N	
Table 403.3.1.1		Minimum ventilation rates	<b>Existing state amendment</b> Adds categories for kitchenettes, elevator lobbies, ice areas, janitor closets; refrigerated spaces moved to workrooms; Group R references whole house section <b>Staff Recommendation:</b> Retain state amendment				Why have two different tables? WA no longer requires a laundry exhaust?
403.3.1.1.2.3 and subsections		Multiple zone recirculating systems	<b>Existing state amendment</b> Replaces all the multiple-space language and equations with the requirements from ASHRAE 62.1 <b>Staff Recommendation:</b> Retain state amendment				Why is 403.3.1.5 being deleted? ((moved to 608.1))
403.3.1.3	403.3.1.3	System operation	Accept new language	Y	N	N	
403.3.1.5	403.3.1.5	Balancing	Accept deletion	N	N	N	Why is 403.3.1.5 being deleted? ((moved to 608.1))

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403.3.2 (and all subsections)		Group R-2, R-3 and R-4 occupancies	<b>Existing state amendment</b> Pointer to whole house ventilation requirements in lieu of IMC requirements <b>Staff Recommendation:</b> Retain state amendment				Concur with staff See comment regarding the use of ASHRAE 62.2
403.3.2.1	403.3.2.1	Outdoor air for dwelling units	Section Not Adopted	Y	N	N	
403.3.2.5	403.3.2.5	Ventilating equipment	Section Not Adopted	N	N	N	
403.4 and all subsections		Whole house ventilation	<b>Existing state amendment</b> Staff Recommendation: Retain state amendments				Concur with staff
404.3	404.3	Automobile repair facilities	<b>Existing state amendment</b> Requires exhaust extension ducts to be furnished at each repair bay and all offices and waiting rooms to be under positive pressure <b>Staff Recommendation:</b> Retain state amendment				Concur with staff 51-52-0404 says 404.4 but should be 404.3
407.1	407.1	General	Accept new language	N	N	N	
407.1	407.1	General (Ambulatory care)	<b>Existing state amendment</b> Pointer to the DOH requirements <b>Staff Recommendation:</b> Retain state amendment				
<b>Chapter 5 Exhaust Systems</b>							
<b>TAG Member Assigned:</b>							
501.2	501.2	Independent system required	Accept new language	N	N	N	
501.3.1	501.3.1	Location of exhaust outlets	Accept new language	Y	N	N	

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501.3.1			<p><b>Existing state amendment</b> Adds specific requirements for enclosed parking garages and transformer vaults; also adds three exceptions to environmental air exhaust requirements</p> <p><b>Staff Recommendation:</b> Modify the state amendment with the 2021 IMC language for item 3 allowing combination termination fittings</p>				Concur with Staff
501.4	501.4	Pressure equalization	<p><b>Existing state amendment</b> Adds an exception for residential range, dryer and local exhaust</p> <p>Staff recommendation: Retain state amendment</p>				Concur with Staff
502.4	502.4	Stationary storage battery systems	Accept deletion	N	N	N	
502.9.5	502.9.5	Flammable and combustible liquids	Accept new language	N	N	N	
502.20.1	N/A	Operation	Accept new language	Y	N	N	
504.1	504.1	Installation	Accept new language	N	N	N	
504.4	504.4	Exhaust installation	<p><b>Existing state amendment</b> Allows wall louvers with at least 1/2-inch spacing; prohibits dryer ducts from penetrating other ducts or plenums; allows ducts to terminate at a common location with individual back draft dampers</p> <p>Retain state amendment</p>				Concur with Staff
504.4.1	N/A	Termination location	Accept new language	Y	N	N	
504.6	N/A	Booster fans prohibited	Accept new language	N	N	N	

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504.10	504.11	Common exhaust systems for clothes dryers in multistory structures	<b>Existing state amendment</b> Item 9 is amended for clarity <b>Staff Recommendation:</b> Retain state amendment but renumber				Concur with Staff
505.3	505.3	Exhaust ducts	WA amendments supersede	N	N	N	
505.3	505.3	Exhaust ducts	<b>Existing state amendment</b> Original proposal was to allow ducts to terminate at a common exhaust when equipped individually with backdraft dampers <b>Staff Recommendation:</b> Revise to update with new language introduced in 2015 while keeping the last two sentences of the state amendment				Concur with Staff
506.3.2.4	506.3.2.4	Vibration isolation	<b>Existing State Amendment</b> Allows an option for fan flexible connectors per Section 506.3.2.3 <b>Staff Recommendation:</b> Retain state amendment				Concur with Staff
506.3.7	506.3.7	Prevention of grease accumulation in grease ducts	Accept new language	Y	N	N	
506.3.9	506.3.9	Grease duct horizontal cleanouts	Accept new language	N	N	N	
506.3.9 (and subsections)	Same	Grease duct cleanout location, spacing and installation	<b>Existing State Amendment</b> Adds requirements for vertical cleanouts <b>Staff Recommendation:</b> Add new 2021 IMC item 7 to existing state amendment in 506.3.9.1 (7. Be located within 3 feet of horizontal discharge fans.)				Concur with Staff

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506.3.11	506.3.11	Grease duct enclosures	<b>Existing State Amendment</b> Sets the maximum at 2 hr fire resistance rating <b>Staff Recommendation:</b> Retain state amendment				Concur with Staff
506.5.2	506.5.2	Pollution-control units	Accept new language	N	N	N	
507.1	507.1	General	Accept new language	Y	N	N	
507.1.2	507.1.2	Domestic Cooking appliances used for commercial purposes	<b>Existing State Amendment</b> Adds a table specifying when a residential hood is allowed--same amendment is in the fire code <b>Staff Recommendation:</b> Retain state amendment				Concur with Staff
507.2	507.2	Type I hoods	<b>Existing State Amendment</b> Adds an exception for R-2 with less than 16 residents <b>Staff Recommendation:</b> Retain state amendment				Concur with Staff
507.6.1	507.6.1	Capture and containment test	Accept new language	N	N	N	
N/A	510.4	Independent system	Why are references to independent systems being eliminated? IFC?	N	N	N	
510.5.5	510.6.5	Makeup air	Accept new language	N	N	N	
511.1	511.1	Dust, stock, and refuse conveying system	Accept new language	N	N	N	
511.1.5	511.1.5	Explosion control	Accept new language	N	N	N	
514.2	514.2	Prohibited applications	Accept new language	Y	N	N	

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515	515	Waste or linen chute venting	<p><b>Existing State Amendment</b></p> <p>Allows chutes to be vented in accordance to either NFPA 82 or the IBC</p> <p><b>Staff Recommendation:</b></p> <p>Retain state amendment (but fix the language from "per" to "in accordance with")</p>				Concur with Staff
<b>Chapter 6 Duct Systems</b>							
<b>TAG Member Assigned:</b>							
601.2	601.2	Air movement in egress elements	Accept new language	N	N	N	
601.2	601.2	Air movement in egress elements	<p><b>Existing State Amendment</b></p> <p>Adds exceptions for engineered smoke control systems and residential occupancies</p> <p><b>Staff Recommendation:</b></p> <p>Revise exception 4 to match new IMC/IBC language</p>				Concur with Staff
601.5	601.5	Return air openings	Accept new language	N	N	N	
602.1	602.1	General (Plenums)	<p><b>Existing State Amendment</b></p> <p>Clarifying that air systems must be ducted from the air handler to the area served if the system serves multiple fire areas.</p> <p><b>Staff Recommendation:</b></p> <p>Retain state amendment (NOTE: there was an additional sentence added in the 2018 code referencing 602.3 for framing cavities used as plenums that was not adopted)</p>				Concur with Staff
602.2	602.2	Construction	Accept new language	N	N	N	
602.2.1.8	602.2.1.8	Pipe and duct insulation within plenums	Accept new language	Y	N	N	
603.5.1	603.5.1	Gypsum ducts	Accept new language	N	N	N	



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603.5.1	603.5.1	Gypsum ducts	<p><b>Existing State Amendment</b></p> <p>Exception added to allow gypsum ducts in other than I-2 for stair or elevator pressurization only</p> <p><b>Staff Recommendation:</b></p> <p>Retain existing exception but add the editorial changes from the 2021 IMC</p>				Concur with Staff
604.3	604.3	Coverings and linings	Accept new language	N	N	N	
605.1	605.1	General (Air filters)	<p><b>Existing State Amendment</b></p> <p>Adds exception to not require filters upstream for cooling coils</p> <p><b>Staff Recommendation:</b></p> <p>Retain the state amendment</p>				Concur with Staff
605.4	605.4	Particulate matter removal	<p><b>Existing State Amendment</b></p> <p>Requires MERV 6 filters for air handlers</p> <p><b>Staff Recommendation:</b></p> <p>Retain the state amendment</p>				Discuss increasing MERV requirement.
606.2.1	606.2.1	Return air systems	<p><b>Existing State Amendment</b></p> <p>Adds exception to not require smoke detectors for makeup air systems or where all air is exhausted</p> <p><b>Staff Recommendation:</b></p> <p>Retain the state amendment</p>				Concur with Staff
606.2.2	606.2.2	Common supply and return air systems	<p><b>Existing State Amendment</b></p> <p>Adds requirements for the control system used to shut down fan powered terminal units</p> <p><b>Staff Recommendation:</b></p> <p>Retain the state amendment</p>				Concur with Staff

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606.2.4/6 06.2.5	606.2.4/6 06.2.5	Corridors serving Group R/not highrise and highrise	<b>Existing State Amendment</b> Adds sections on residential corridor smoke detection requirements <b>Staff Recommendation:</b> Retain the state amendment				Concur with Staff
607.2	607.2	Installation	Accept new language	N	N	N	
607.2.3		Static dampers	Accept new language	N	N	N	
607.3.1	607.3.1	Dampers testing, ratings and actuation	Accept new language	N	N	N	
607.3.3.1	607.3.3.1	Fire damper actuation	Accept new language	N	N	N	
607.4	607.4	Access and identification	Accept new language	N	N	N	
607.4.1		Access	Accept new language	N	N	N	
607.4.1.1		Fire-resistance rating	Accept new language	N	N	N	
607.4.1.2		Restricted access	Accept new language	N	N	N	
607.4.2		Identification	Accept new language	N	N	N	
607.5.2	607.5.2	Fire barriers	Accept new language	N	N	N	
607.5.5	607.5.5	Shaft enclosures	Accept new language	Y	N	N	
607.5.5.1		Continuous upward flow	Accept new language	Y	N	N	
607.5.5.2	607.5.5.1	Enclosure at the bottom	Accept new language	N	N	N	
607.6.2.1 .1		Dynamic systems	Accept new language	N	N	N	
607.6.2.1 .2		Static systems	Accept new language	N	N	N	
608		Balancing	Accept new language	N	N	N	

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