

ITEMS FOR PCNYS TECHNICAL SUBCOMMITTEE REVIEW
2006 PLUMBING CODE TECHNICAL SUBCOMMITTEE REVIEW
DIVISION OF CODE ENFORCEMENT AND ADMINISTRATION - DEPARTMENT OF STATE
4/16/07

ITEM NO. (✓ - done)	PCNYS SECTION	2006 IPC SECTION	TITLE	SUMMARY
	CHAPTER 1		GENERAL	
	CHAPTER 2		DEFINITIONS	
PC-2-01	202	202	approved	or other authority having jurisdiction
PC-2-01	202	202	branch interval	change definition
PC-2-02	new	202	flow control (vented)	new definition for device (formerly grease trap)
PC-2-03	202	202	grease interceptor	change definition; delete grease trap def.
PC-2-04	new	202	grease removal device, automatic (GRD)	new definition; automatic timed or event-controller
PC-2-05	new	202	Gridded water dist. Systems	new definition of "gridded" water distribution pipe
	CHAPTER 3		GENERAL REGULATIONS	
PC-3-01	308.9	Deleted	stacks	already in 308.2, 308.4, 308.5
PC-3-02	new	310.5	Urinal partitions	new privacy partitions for urinals, except if single user or unisex toilet OR day care and child care facilities
PC-3-03	312.5	312.5	Water supply system test	add: This pressure shall be held (in the system) for at least 15 minutes. Clarification
PC-3-04	314.2.3 New	314.2 * 314.2.3.1	Condensate disposal auxiliary & secondary drain systems	add cooling, evaporator and fuel-fired appliance which produces condensate ... Add: Water level monitoring devices
	CHAPTER 4		FIXTURES, FAUCETS & FIXTURE FITTINGS	
PC-4-01	Tbl 403.1	Tbl 403.1	Title	change "use group" to occupancy
PC-4-02	Tbl 403.1	Tbl 403.1	Adult day care and child care	delete footnote e delete requirement for bathtubs/showers - these facilities are not overnite and do not bathe clients

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PC-4-03	Tbl 403.1	Tbl 403.1	Assembly	A-1 delete "usually with fixed seats" A-3 delete "churches without assembly halls"
PC-4-04	Tbl 403.1	Tbl 403.1	Business	change lavatory requirement for 1 per 40 for the first 80 (50)
PC-4-05	Tbl 403.1	Tbl 403.1	R-2 & R-3	delete footnote for attached one and two family dwellings, one automatic clothes washer ... (duplicate)
PC-4-06	Tbl 403.1	Tbl 403.1	Assembly A-1, A-2, A-3	add footnote d: The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.
PC-4-07	403.2	403.2	Separate facilities	exc. 1. separate facilities shall not be required for private facilities dwelling units and sleeping rooms.
PC-4-08				exc 2. Deleted (separate employee facilities shall not be required in occupancies in which 15 or less people are employed)
PC-4-09	403.4	Deleted	location -employee toilet facilities - other than assembly or mercantile	modify 403.6 and renumber 403.4
PC-4 -10	403.5	Deleted	location -employee toilets in mercantile and assembly	modify 403.6 and renumber 403.4
PC-4-11	403.6	403.4	<u>Required public toilet facilities</u>	Add: the accessible route to public facilities shall not pass through kitchens, storage rooms, closets, or similar spaces (provide a separate path) Public toilet facilities shall be located not more than one story above or below the space required to be provided with public toilet facilities and the path of travel to such facilities shall not exceed a distance of 500 feet Add: employees shall be provided with toilet facilities in all occupancies. Employee toilet facilities shall be either separate or combined ...
PC-4-12	405.3.1	405.3.1	Water closets, urinals, lavatories, or bidets	clearances: 30 inches center-to-center between water closets, urinals or adjacent fixtures There shall be at least a 21 inch clearance in front of a lavatory to any wall, fixture or door. Now more broad as it addresses all fixtures
PC-4-13	406.3	406.3	Waste connection	Add: Automatic clothes washing machines that discharge by gravity shall be permitted to drain to a waste receptor or an approved trench drain. (Commercial machines)
PC-4-14	new	408.3	Bidet water temperature	provide 110 deg. F by water temperature limiting device - ASSE 1070
PC-4-15	410.1	410.1	Drinking water	add "water coolers" (check NYS change)
PC-4-16	412.2	412.2	Floor drains	delete: trap and strainer from title & strainer water way not less than area of tailpiece 704.2 requires "size of a drainage pipe shall not be reduced in the direction of flow"
PC-4-17	new	416.5	Tempered water for public hand-washing facility	add section including reference standard ASSE 1070. See changes to 607.1

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PC-4-18	417.4	417.4	Shower compartments	allow a 25 inch depth to replace tub
PC-4-19	new	417.4.2	Access (to showers)	unobstructed opening 22 inches (exc: accessible showers)
PC-4-20	419.1	419.1	Approval (urinals)	change text to include waterless urinals
PC-4-21	419.2	419.2	Substitution for water closets	add: to 67%: in assembly and educational occupancies add: Urinals shall not be substituted for more than 50% ... in other occupancies
PC-4-22	421.2 New	421.2 421.5	Whirlpool tub pumps installation & access	delete access from "installation" add new: specific access opening size and location - provides easy access for repairs
PC-4-23	424.1.2	424.1.2	Waste fittings	delete ASTM F400 & add new: ASME A112.18.2, ASTM F409; CSA B125 (prev. included in new std)
PC-4-24	424.2	424.2	Hand held showers	change ref.stds. - add backflow protection and backflow protection & ref.stds.
PC-4-25	424.3 424.4	424.3 424.4	Individual shower valves multiple (gang) showers	separate into two sections in-line thermostatic valves NOT for individual - ref.std. ASSE 1016 multiple - all new text with new ref.std. ASSE 1069-05 automatic temp. control mixing valves
PC-4-26	new	424.5	Bathtub & whirlpool bathtub valves	limit temp to 120 deg. F add new ref.std. ASSE 1070-04 perform. Req. for water temp. limiting devices
	CHAPTER 5		WATER HEATERS	
PC-5-01	504.6	504.6	Requirements for discharge piping	replace: requirements for discharge piping - list of 13 items - more clear
PC-5-02	504.7.1	504.7.1	Pan size & drain	add: piping for safety pan ... Tbl 605.4
	CHAPTER 6		WATER SUPPLY & DISTRIBUTION	
	604.4	604.4	Maximum floe and water consumption	add: 2 exceptions: blow out water closets & clinical sinks
PC-6-01	604.5 & 604.10	604.5 & 604.10	Gridded & parallel water Dist. Sys. Manifolds	add gridded to size of fixture supply add gridded to parallel water dist. System manifold
PC-6-02	605.3	605.3	Water Service Pipe	delete: plastic water service pipr end within 5 feet inside add: wsp not third party certified for water dist. Shall terminate @ full open valve at entrance to the building eliminates the use of transition fitting and other piping in inaccessible areas
PC-6-03	Tbl 605.3 Tbl 605.4 Tbl 605.5	Tbl 605.3 Tbl 605.4 Tbl 605.5	Water service pipe, water distribution pipe, & pipe fittings	add polypropylene & cross-linked polyethylene/aluminum/high density polyethylene (PEX-AL-HDPE) and reference standards

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PC-6-04	Tbl 605.5	Tbl 605.5	Water pipe fittings	add: fittings for cross-linked polyethylene (PEX) plastic tubing and reference standards
PC-6-05	605.7	605.7	Water supply valves	make clear that all valves meet the requirements of NSF 61 for drinking water
PC-6-06	605.17.2 Tbl 605.5	605.17.2 Tbl 605.5	Mechanical joints pipe fittings	add: Mechanical joints for cross-linked polyethylene plastic pipe and fittings
PC-6-07		605.21	Polypropylene (PP) plastic pipe joints	Add: heat-fusion joints & mechanical and compression sleeve joints for polypropylene (PP) plastic
PC-6-08	606.3	606.3	Access to valves	clarify delete "required" so that all valves are required to be accessible
PC-6-09	607.1	607.1	Hot water & tempered water for public hand-washing facility	delete: In nonresidential occupancies, hot water or tempered water shall be supplied for bathing and washing purposes. add: "tempered water (only) 110 deg. F reference standard ASSE 1070 & section 424.3 shall NOT supersede
PC-6-10	607.4	607.4	Flow of hot water to fixtures	reword hot on the left & cold on the right add: reference standard CSA B125
PC-6-11	Tbl 608.1	Tbl 608.1	Application of backflow preventers	update ref. stds.
PC-6-12	608.2	608.2	Plumbing fixtures potable water supply	add: backflow prevention and reference standard ASME A112.18.1
PC-6-13		608.16.10	Coffee machines and noncarbonated beverage dispensers	new text including reference standard ASSE 1002 or an air gap.
	CHAPTER 7		SANITARY DRAINAGE	
PC-7-01	Tbl 702.2 Tbl 702.4 New	Tbl 702.2 Tbl 702.4 705.17	Underground building drainage and vent pipe, pipe fittings and polyolefin plastic (joints)	add: reference standards for polyolefin pipe and fittings add: text for polyolefin plastic pipe heat-fusion joints and mechanical & compression sleeve joints
PC-7-02	705.5.2 705.5.3	705.5.2 705.5.3	Cast iron pipe	compression gasket joints add: shall be tested to ASTM C1563 mechanical joint coupling - add: reference standard ASTM C1540
PC-7-03	new	705.16	Polyethelene plastic pipe	add polyethylene plastic pipe heat fusion joints and mechanical joints
PC-7-04	new	706.4	Heel- or side-inlet quarter bends	add new sanitary drainage fittings - either side or rear at the bend
PC-7-05	708.3.3	708.3.3	Change direction for cleanouts	add "building sewer"

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PC-7-06	Tbl 709.1	Tbl 709.1	Drainage fixture units for various fixture groups	add service sink: 2 fixture units & 1 ½ inch minimum trap size add waterless urinal: 0.5 fixture units & refer to footnote d for minimum trap size
PC-7-07	712.2	712.2	Valves required for sumps	delete exception for one- and two-family dwellings for check valve only
	CHAPTER 8		INDIRECT/SPECIAL WASTE	
	CHAPTER 9		VENTS	
PC-9-01	903	903	outdoor vent extension	delete sections “stack required” & subsections “connection to drainage system,” “Installation,” and “size.” replace with outdoor vent extension need NYS modification “through the roof”
PC-9-02	903.3	903.3	Vent termination	add stack vent air admittance valve and ASSE 1051 need NYS modification “ONE vent through the roof” see also: 917.2, 917.2, 917.3, 917.4
PC-9-03	906.1	906.1	Distance of trap from vent for water closet vent	add exception: the developed length for self-siphoning fixtures, such as water closets shall not be limited
PC-9-04	Tbl 906.1 906.2	Tbl 906.1 906.2	Maximum distance of fixture trap from vent venting fixture drain	delete column “size of fixture drain” & modify slope /inch and distance from trap text replaced consistent with engineering practice and IRC
PC-9-05	909.1 909.1.1 902.2 & 909.3	909.1 909.1.1 902.2 & 909.3	Horizontal wet vent permitted, vertical wet vent permitted, vent connection & size	add: “horizontal” wet vent permitted; add: “permitted” to vertical wet vent replace: vent connection text add text: dry vent serving wet-vent sized ... largest required diameter of pipe within
PC-9-06	910.2 910.3	910.2 910.3	Stack installation stack vent	add: between the lowest fixture drain connection and the highest fixture drain connection size of stack vent equal add: not less than
PC-9-07	912.2	912.2	Installation of combination drain and vent	vertical pipe of combination drain and vent - between fixture drain (of a sink, lavatory or drinking fountain) and the horizontal combination drain and vent pipe CLARIFICATION due to CI
	917.2, 917.2, 917.3, 917.4	917.2, 917.2, 917.3, 917.4		add additional requirements to air admittance valve section Reference standard ASSE 1051 added in 903.3 need NYS modification “ONE vent through the roof”
	CHAPTER 10		TRAPS, INTERCEPTORS AND SEPARATORS	

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PC-10-01	1002.1	1002.1	Fixture traps	delete: the trap shall be place as close as possible to the fixture outlet Add: and the horizontal distance shall not exceed 30 inches measured from the centerline of the fixture outlet to the centerline of the inlet of the trap Clarity & Running trap often needed for whirlpool tubs in building overhang
PC-10-02	1003.1	1003.1	Where required for interceptors and separators	add: and the private sewage disposal system
PC-10-03	1003.3.1 1003.3.2	1003.3.1 1003.3.2	Grease interceptors and automatic removal devices and food waste grinders required	grease traps, grease interceptors and add: automatic grease removal devices add list of fixtures & equipment Add only allows fats, oils or grease to be discharged food waste grinder: grease trap interceptor & emulsifiers, chemicals, enzymes and bacteria shall not discharge into the food waste grinder
PC-10-04	1003.3.3, 1003.3.4.1, .2 Tbl 1003.3.4.1	1003.3.3, 1003.3.4.1, .2 Tbl 1003.3.4.1	Grease interceptors and automatic grease removal systems	delete the phrases : grease trap; add grease interceptor; and add automatic grease removal system Table: add additional flow rates and capacity for larger models
PC-10-05	new	1003.3.5	Automatic grease removal devices	Add text for Automatic grease removal devices (reference standard ASME A112.14.4 in section 1003.3.4)
PC-10-06	1003.4	1003.4	Oil separator required	repair garages, car-washing facilities (with engine or undercarriage cleaning capabilities) factories with ... and add: hydraulic elevator pits w/ exc: not required where an approved alarm system is installed
PC-10-07	1003.6	1003.6	Laundries interceptor required	delete: commercial laundries Add: laundry facilities not installed within an individual dwelling unit or intended for individual family use laundry in apartment complex is not "public" but needs an interceptor based on high volume use
	CHAPTER 11		STORM DRAINAGE	
PC-11-01	Tbl 1002.4	Tbl 1002.4	Building storm sewer pipe	add ref. Stds.
PC-11-02	Tbl 1-2.5	Tbl 1002.5	Subsoil drain pipe	Add PE
PC-11-03	Tbl 1102.7	Tbl 1102.7	Pipe fittings	delete: CPVC and polyethylene (PE) pipe; delete obsolete reference standards for ABS, PVC add: coextruded composite ABS DWV sch 40 IPS (solid or cellular core) coextruded composite PVC DWV sch 40 IPS-DR, PS140 (solid or cellular core) coextruded composite ABS sewer and drain DR-PS in PS35, PS50, PS100, PS140, PS200 Coextruded composite PVC sewer and drain DR-PS in PS#%, PS%), PS100, PS140, PS200 and reference standards
	CHAPTER 12		SPECIAL PIPING & STORAGE SYSTEMS	

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	CHAPTER 13		REFERENCED STANDARDS	
			ANSI	update: Z21.22 (1999) 2003 & Z21.22a (2000) 2003
			NFPA	update: 99C (1999) 2002
	APPENDIX C		GRAY WATER RECYCLING SYSTEMS	expanded & new text: systems for flushing water closets and urinals; <u>subsurface landscape irrigation systems</u>

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ITEM NO. (✓ - done)	RCNYS SECTION	2006 IPC SECTION	TITLE	SUMMARY
	PART VII		PLUMBING	
	Chapter 25		Plumbing Administration	
RC-25-01	P2503.6	P2503.6	Water-supply system testing	add: This pressure shall be held for not less than 15 minutes.
	Chapter 26		General Plumbing Requirements	
RC-26-01	P2601.1	P2601.1	Scope	add: The installation of plumbing, appliances, equipment and systems not addressed by this code shall comply with the applicable provisions of the I Plumbing Code
RC-26-02	P2604.1	P2604.1	Trenching and bedding	add: Where trenches are excavated such that the bottom of the trench forms a bed for the pipe, solid and continuous load-bearing support shall be provided between the joints
RC-26-03	Tbl P2608.4	Tbl 2608.4	Piping support	Add: Polypropylene (PP) pipe or tubing 1 inch or smaller Polypropylene (PP) pipe or tubing 1 1/4 inch or larger
	Chapter 27		Plumbing fixtures	
RC-27-01		P2702.2	Waste fittings	Add: ASME A112.18.2; ASTM F409; CSA B125 or one of the standards listed in Table P3002.1(1) for above ground drainage and vent pipe and fittings
RC-27-02	Tbl P2701.1	Tbl P2701.1	Plumbing fixtures, faucets and fixture fittings	add and change referenced standards
RC-27-03	P2708.1	P2708.1 P2708.1.1	Showers access	add: shower compartments having not less than 25 inches measured from the finished interior shall have a minimum of 1,330 sq. ft. (replace tub) AND access opening of minimum clear 22 inches (corner shower)
RC-27-04	P2708.3	P2708.3	Shower control	add: CSA B125 & inline thermostatic valves shall not be utilized for compliance ... (do not provide thermal shock protection)
RC-27-05		P2709.2.1 P2709.2.2	Shower receptors lining required	new: PVC sheets new: Chlorinated polyethylene (CPE0 sheets
RC-27-06		P2713.3	Bathtub and whirlpool bathtub valves	new: maximum temperature of 120 degrees by a water-temperature-limiting device ... ASSE 1070
RC-27-07	P2719.1	P2719.1	Floor drains	add: capable of being cleaned & access shall be provided to the inlet drain

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RC-27-08		P2720.1	Whirlpool bathtubs	new: access to pump ...
RC-27-09		P2721.2	Bidet installations	new: maximum water temperature of 110 degrees & ASSE 1070
RC-27-10	P2722.1	P2722.1	Fixture fitting	add ref. Std
RC-27-11	P2722.1	P2722.1	Hot water	hot on the left & add: ref std
	Chapter 28		Water heaters	
RC-28-01		P2801.7	Seismic bracing	add:
RC-28-02		P2803.6.1	Requirements for discharge pipe	chg: discharge pipe serving a pressure-relief valve, temperature-relief valve or combination valve shall: 13 items
	Chapter 29		Water supply and distribution	
RC-29-01		P2902.2	Plumbing fixtures	supply lines ... prevent backflow & ASME A112.8.1
RC-29-02		P2902.3.2 , .4, .5 & .6	Atmos. Vac.breaker pressure-type vac.brk reduces pressure pr.bkflow double check-valve	Add CSA B125
RC-29-03	P2903.4	P2903.4; .1 & .2	Thermal expansion control	Chg: Pressure-reducing valve & backflow prevention or check valve.
RC-29-04		P2903.8	Gridded and parallel water distribution manifolds	new: refer .1; .2
RC-29-05		P2903.8.2	Minimum size	chg
RC-29-06	P2904.3	P2904.3; .1 & .2	Polyethylene plastic pipe installation	add: fittings heat-fusion & mechanical
RC-29-07	P2904.4	P2904.4	Water service pipe	add: exceed 160 psi ...
RC-29-08		P2904.4.1	Dual-check-valve-type backflow preventer	Add: incl ASME 1024 & CSA B64.6
RC-29-09	Tbl P2904.4 Tbl P2904.5 Tbl P2904.6	Tbl P2904.4 Tbl P2904.5 Tbl P2904.6	Water service pipe water distribution pipe pipe fittings	add: PEX-AL-HDPE & PP with ref.stds. Aslo PB fittings
RC-29-10	P2904.5.1	P2904.5.1	Under concrete slabs	add: PE-AL-PE & PP

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RC-29-11		P2904.9.1.2	CPVC plastic pipe	add: joints
RC-29-12		P2904.10; .1 & .2	Polypropylene (PP) plastic	Add: heat-fusion joints & mechanical and compression sleeve joints
	Chapter 30		Sanitary Drainage	
RC-30-01	P3002.1	P3002.1; .3 Tbl P3000.1; 2; .3	Piping within buildings	add tables: above-ground drainage and vent pipe; building sewer pipe; pipe fittings
RC-30-02		P3003.	Joints & connections	all new
RC-30-03	P3005.2.4	P3005.2.4	Change in direction	chg: cleanout @ change in direction more than 45 degrees & one per 40 feet developed length
RC-30-04		P3005.2.9	Cleanout size	Chg: add exc: 1. "P" trap ...
RC-30-05		P3005.5	Connections to offsets and bases of stacks	horizontal branches shall connect ...
	Chapter 31		Vents	
RC-31-01	P3102	P3102	vent stacks and stack vents	replaced stack vent with vent extension; installation & size
RC-31-02	P3103.1	P3103.1	Vent terminals	roof extension at least 6 inches or 6 inches above the anticipated snow accumulation (NYS 18 inches)
RC-31-03	P3105.3	P3105.3	Crown vent	renumbered deleted: vertical leg for waste fixture drains
RC-31-04	P3108.1 P3108.2 P3108.3 P3108.4 P3108.5	P3108.1 P3108.2 P3108.3 P3108.4 P3108.5	Wet venting	added text to all deleted figures P3108.1(!), (2), & (3) - moved to appendix N: Venting Methods as a guide only
RC-31-05	P3109.2 P3109.3	P3109.2 P3109.3	Waste stack vent	stack installation & stack vent added text
	Chapter 32		Traps	
RC-32-01	P3201.2	P3201.2	Trap seals and trap seal protection	changed
RC-32-02	P3201.5	P3201.5	Prohibited trap designs	chg: "S" trap (except as permitted under section P3105.3)
RC-32-03	P3201.6	P3201.6	Number of fixtures per trap	changed

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RC-32-04	Tbl P3201.7	Tbl 3201.7	Size of traps and trap arms for plumbing fixtures	chg: shower (based on total flow rate through showerheads and body sprays)