



VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE MEETING
Virtual, 4822 Madison Yards Way, Madison
Contact: Christine Poleski (608) 266-2112
April 22, 2021

The following agenda describes the issues that the Committee plans to consider at the meeting. At the time of the meeting, items may be removed from the agenda. Please consult the meeting minutes for a record of the actions of the Committee.

AGENDA

10:00 A.M.

OPEN SESSION – CALL TO ORDER – ROLL CALL

- A. Adoption of Agenda (1)**
- B. Approval of Minutes for March 23, 2021 (2)**
- C. Administrative Matters – Discussion and Consideration**
 - 1) Committee, Department and Staff Updates
- D. Administrative Rule Matters – Discussion and Consideration (3-26)**
 - 1) Review of Plumbing Code Changes
 - a. SPS 381 – Definitions and Standards
 - b. SPS 382 – Design, Construction, Installation, Supervision, Maintenance, and Inspection of Plumbing
 - c. SPS 384 – Plumbing Products
- E. Public Comments**

ADJOURNMENT

NEXT MEETING: MAY 26, 2021

MEETINGS AND HEARINGS ARE OPEN TO THE PUBLIC, AND MAY BE CANCELLED WITHOUT NOTICE.

Times listed for meeting items are approximate and depend on the length of discussion and voting. All meetings are held at 4822 Madison Yards Way, Madison, Wisconsin, unless otherwise noted. In order to confirm a meeting or to request a complete copy of the board's agenda, please call the listed contact person. The board may also consider materials or items filed after the transmission of this notice. Times listed for the commencement of disciplinary hearings may be changed by the examiner for the convenience of the parties. Requests for interpreters for the deaf or hard of hearing, or other accommodations, are considered upon request by contacting the Affirmative Action Officer, 608-266-2112, or the Meeting Staff at 608-266-5439.

**VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE
MEETING MINUTES
MARCH 23, 2021**

PRESENT: Joseph Kiedrowski, Justin Kressin, Randy Lorge, Jason Sladky, Spencer Statz
(excused at 10:32 a.m.)

EXCUSED: Fred Gardner, Roger Musolff

STAFF: Christine Poleski, Executive Director; Jameson Whitney, Legal Counsel; Garry Krause, Bureau Director; Tony Martin, Plumbing Plan Reviewer; Glen Schlueter, Plumbing Product Reviewer; Bruce Meiners, Plumbing Consultant; Philip Harkleroad, Section Chief; Ron Soquet, Plumbing Plan Reviewer; Megan Glaeser, Bureau Assistant; and other Department Staff

Jason Sladky, Chairperson, called the meeting to order at 10:00 a.m. A majority of five (5) members was present.

ADOPTION OF AGENDA

MOTION: Joseph Kiedrowski moved, seconded by Justin Kressin, to adopt the Agenda as published. Motion carried unanimously.

APPROVAL OF MINUTES OF FEBRUARY 24, 2021

MOTION: Joseph Kiedrowski moved, seconded by Justin Kressin, to approve the Minutes of February 24, 2021 as published. Motion carried unanimously.

(Spencer Statz was excused at 10:32 a.m.)

ADMINISTRATIVE RULE MATTERS

Plumbing Code Changes

MOTION: Joseph Kiedrowski moved, seconded by Justin Kressin, to recommend approval of SPS 381, Definitions and Standards; 382 Design, Construction, Installation, Supervision, Maintenance, and Inspection of Plumbing (except for 382.31(16)(E)); and SPS 384 Plumbing Products as outlined in the 3/23/2021 agenda materials. Motion carried unanimously.

MOTION: Joseph Kiedrowski moved, seconded by Randy Lorge, to table consideration of recommendations concerning section 382.31(16)(E) to the next meeting. Motion carried unanimously.


ADJOURNMENT

MOTION: Justin Kressin moved, seconded by Randy Lorge, to adjourn the meeting. Motion carried unanimously.

The meeting adjourned at 11:15 a.m.

**State of Wisconsin
Department of Safety & Professional Services**

AGENDA REQUEST FORM

1) Name and title of person submitting the request: Bruce Meiners		2) Date when request submitted: 04/02/2021 <small>Items will be considered late if submitted after 12:00 p.m. on the deadline date which is 8 business days before the meeting</small>	
3) Name of Board, Committee, Council, Sections: Plumbing Code Advisory Committee			
4) Meeting Date: 04/22/2021	5) Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6) How should the item be titled on the agenda page? Administrative Rule Matters 1. Review of Plumbing Code Changes under SPS 305, 381, 382, 384 2. Update on SharePoint	
7) Place Item in: <input checked="" type="checkbox"/> Open Session <input type="checkbox"/> Closed Session	8) Is an appearance before the Board being scheduled? <i>(If yes, please complete Appearance Request for Non-DSPS Staff)</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9) Name of Case Advisor(s), if required:	
10) Describe the issue and action that should be addressed: 1. Review of Draft review table for SPS (pdf) 2. SharePoint – member questions, issues, ect.			
11) Authorization			
 Signature of person making this request		04/02/2021 Date	
Supervisor (if required)		Date	
Executive Director signature (indicates approval to add post agenda deadline item to agenda) Date			
Directions for including supporting documents: 1. This form should be attached to any documents submitted to the agenda. 2. Post Agenda Deadline items must be authorized by a Supervisor and the Policy Development Executive Director. 3. If necessary, provide original documents needing Board Chairperson signature to the Bureau Assistant prior to the start of a meeting.			

Wisconsin Department of Safety and Professional Services

DRAFT – SUBJECT TO CHANGE

April 22, 2021 Meeting

Final Draft for Code Committee Meeting

DRAFT

SPS 381,382 & 384 DESIGN, CONSTRUCTION, INSTALLATION, SUPERVISION, MAINTENANCE, AND INSPECTION OF PLUMBING

NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
#41 ALSO #41	382.20 (1) (A) SEE ALSO ITEMS 5. & 5A.	REVISE	DIS	(A) <i>DEPARTMENT REVIEW</i> . PLUMBING PLANS AND SPECIFICATIONS FOR THE TYPES OF PLUMBING INSTALLATIONS, EXCEPT DIRECT <u>PLUMBING FIXTURE</u> REPLACEMENTS, LISTED IN TABLE 382.20-1 SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW, REGARDLESS OF WHERE THE INSTALLATION IS TO BE LOCATED. A MUNICIPALITY SHALL BE DESIGNATED AS AN AGENT MUNICIPALITY IN ACCORDANCE WITH SUB. (2). WRITTEN APPROVAL FOR THE PLUMBING PLANS SHALL BE OBTAINED PRIOR TO INSTALLATION OF THE PLUMBING. USE #41 IN JANUARY MEETING THEN DELETE 5A1.	N/A	TABLED AT 01/21/2021 MEETING. BRUCE
# 101	TABLE SPS 381.20-3E	REVISE		PROPOSED ADDITION TO TABLE SPS 381.20-3E WIS. ADM. CODE: <u>ASME A112.4.1-2009 (R2019) WATER HEATER RELIEF VALVE DRAIN TUBES</u> PREFERRED: <u>ASME A112.4.1 WATER HEATER RELIEF VALVE DRAIN TUBES – CURRENT EDITON</u>		GLEN
#102	382.40 (5) (D) 5. A	REVISE		PROPOSED ADDITION TO S. SPS 382.40 (5) (D) 5. A.: THE DISCHARGE PIPE AND FITTINGS SHALL BE MADE OF A MATERIAL ACCEPTABLE FOR WATER DISTRIBUTION PIPING IN ACCORDANCE WITH S. SPS 384.30 (4) (E) 1. <u>OR CONFORM TO ASME A112.4.1-2009 (R2019)</u> .		GLEN
23.	382.33 (8) (D)	INDUSTRY STANDARD ADDS ALLOWANCE	DIS	<i>OTHER RECEPTORS</i> . A PLUMBING FIXTURE MAY NOT BE USED AS A RECEPTOR FOR INDIRECT OR LOCAL WASTE PIPING, EXCEPT AS PROVIDED IN SUBDS. 1. TO 7 & 8. <u>8. A WATER CLOSET, CLINICAL SINK, OR A URINAL MAY RECEIVE THE DISCHARGE FROM A MORTUARY OR AUTOPSY TABLE.</u>		BRUCE

23A.	382.33 (8) (D) 2.	REVISE	DIS	THE INDIRECT WASTE PIPING OF AN <u>A RESIDENTIAL-TYPE</u> AUTOMATIC CLOTHES WASHER OR WATER TREATMENT DEVICE MAY DISCHARGE INTO A LAUNDRY TRAY.	N/A	BRUCE
24.	382.33 (8) (D) 3.	USE OF TERM "BRANCH" IS CONFUSING	DIS	THE INDIRECT OR LOCAL WASTE PIPING SERVING A CROSS CONNECTION CONTROL DEVICE OR ASSEMBLY, WATER TREATMENT DEVICE, AIR CONDITIONER, HUMIDIFIER OR FURNACE CONDENSATE MAY DISCHARGE INTO A BRANCH TAILPIECE SERVING A LAUNDRY TRAY.		TONY LANGUAGE
25.	382.33 (8) (D)7.	USE OF TERM "RISER" IS CONFUSING	DIS,	THE INDIRECT WASTE PIPING SERVING A DENTAL MOLD GRINDER MAY DISCHARGE INTO THE RISER OR <u>TAILPIECE OF</u> A TRAP SERVING A LABORATORY SINK THAT IS PROVIDED WITH A PLASTER TRAP AND IS INSTALLED WITHIN 3 FEET OF THE MOLD GRINDER.		TONY LANGUAGE
27.	382.33 (9) (C) 2.	CLARIFICATION – THIS IS NOT LIMITED TO SELF-SERVICE LAUNDRIES.	DIS	'SELF-SERVICE LAUNDRIES LAUNDRIES.' <u>PUMPED-DISCHARGE AUTOMATIC CLOTHES WASHING EQUIPMENT, INCLUDING RESIDENTIAL-TYPE CLOTHES WASHERS</u> IN LAUNDERETTES, LAUNDROMATS, AND SELF-SERVICE LAUNDRY ESTABLISHMENTS SHALL HAVE THE WASTES DISCHARGE TO A DRAIN SYSTEM BY MEANS OF STANDPIPES. THE STANDPIPES SHALL BE INSTALLED IN ACCORDANCE WITH SUBD. 1.	LESS RESTRICTIVE	RON REVIEWED – SEE NO ISSUES WITH STRIKING AND ADDING THE LANGAUGE

27 A1.	382.33 (9) (C) 2. A.	MOVE UNDER "RESIDENTIAL TYPE" WASHERS. CLARIFY: CLOTHES WASHERS DISCHARGE VIA INDIRECT WASTE PIPING AND ARE TECHNICALLY NOT "CONNECTED" TO A TRAP.	DIS	RENUMBER FROM (9) (C) 2. A AND B. TO (9) (C) 1. C. AND AMEND: THE MAXIMUM <u>ALLOWABLE</u> NUMBER OF WASHERS WHICH MAY BE CONNECTED <u>DISCHARGE TO A THE MINIMUM SIZED TRAP</u> SHALL BE IN ACCORDANCE WITH TABLE 382.33-2.	N/A	RON <i>REVIEWED – SEE NO ISSUES WITH STRIKING AND ADDING THE LANGAUGE</i>
27 a2.	382.33 (9) (c) 2. b.	Move under "residential type" washers. Use plural form of manifold for consistency	DIS	Renumber to (9) (c) 1. d. Washer wastes shall not be discharged to gutters, troughs, local waste piping, indirect waste manifold <u>manifolds</u> , or other similar connections.	n/a	Ron <i>REVIEWED – SEE NO ISSUE WITH PLURALIZING LANGAUGE</i>
27 a3.	382.33 (9) (c) 3.	Revise for consistency & clean up	DIS	' Commercial-type. Gravity discharge -type clothes washing equipment shall discharge by means of an air-break or by other approved methods into a floor receptor, trench, or trough.	n/a	Bruce
27 a4.	382.33 (9) (c) 3. c.	Revise, add subsection #	DIS	All wastes from the washers shall flow through <u>an Commercial laundry</u> interceptor as specified in s. SPS 382.34 (7).	n/a	Bruce
27 a5.	Table 382.33-2 (title)	Revise title		WasherConnections Clothes Washer Discharge	n/a	Bruce

27 a7.	382.33 (9) (g)	Amend for clarity, confusing		Food handling establishments service. Plumbing For occupancies other than dwelling units, plumbing fixtures, devices, appliances, and appurtenances installed in for food handling establishments engaged service in including the storage, preparation, selling, serving, or processing of food intended for human consumption shall be installed in accordance with this paragraph.	None	Bruce
27 a8.	382.33 (9) (g) 1.	Where DATCP requires an additional handwashing sink after a final inspection		' Bar, and soda fountain, sinks. Where a <u>A bar, or soda fountain, or handwashing sink is so located that the trap for the sink cannot be vented as specified in s. SPS 382.31, the sink drain shall</u> may discharge to the sanitary drain system through indirect waste piping.	Less restrictive	Bruce

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SPS 382

NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/S TATUS
29.	382.33 (9) (K) 3.	CODIFIES ALTERNATE STANDARD THAT HAS BEEN ALLOWED.	DIS	<p>2. THE DISCHARGE FROM DECK DRAINS SERVING INDOOR POOLS SHALL BE DIRECTED TO THE SANITARY SEWER VIA AN AIR-GAP.</p> <p>3. THE DISCHARGE FROM DECK DRAINS SERVING OUTDOOR POOLS SHALL BE DIRECTED TO THE STORM SEWER BY WAY OF AN AIR-GAP, <u>AIR-BREAK</u>, OR TO GRADE. <u>THE DISTANCE FROM THE TOP OF THE AIR-BREAK TO THE POOL DECK SHALL BE A MINIMUM OF 6 INCHES. (TERMINATING AT A POINT ABOVE THE TOP OF THE RECEPTOR RECEIVING THE DECK DRAIN DISCHARGE.)</u></p> <p>DISCUSSION: USE OF AIR-BREAK PROVEN TO PROTECT PUBLIC HEALTH ASSOCIATED W/PUBLIC SWIMMING POOLS. LESS RESTRICTIVE W/EQUIVALENT PROTECTION OF AIR-GAP FOR POOL DISCHARGE.</p>	LESS RESTRICTIVE	<p>TONY APPENDIX NEEDS ILLUSTRATI ON</p>
33.	382.34 (4) (B)	BASKET REQ. TO BE REMOVABLE FOR CLEANING OF FIXTURE. INCL. IN SPS 325 .01.	DIS	<p><i>GARAGES FOR ONE- AND 2-FAMILY DWELLINGS.</i> 1. FLOOR DRAINS SERVING GARAGES FOR ONE- AND 2-FAMILY DWELLINGS SHALL BE PROVIDED WITH A <u>REMOVABLE</u> SOLID BOTTOM SEDIMENT BASKET.</p>	LESS RESTRICTIVE	<p>TONY ADD LANGUAGE</p>
34.	382.34 (4) (C)	<p>RENUMBERING AND ADDING SUBD.2. & 3. TO MIRROR RECENT CHANGES TO SPS 325.01(4).</p> <p>UDC USES SAME LANGUAGE.</p>	DIS,	<p>382.34(4)(C)<u>1.</u> <u>GRATES FOR GARAGE CATCH BASINS, FLOOR DRAINS AND TRENCHES.</u> A GARAGE CATCH BASIN, FLOOR DRAIN AND TRENCH DRAIN SHALL BE PROVIDED WITH AN APPROVED, REMOVABLE CAST IRON OR STEEL GRATE OF A THICKNESS AND SUFFICIENT STRENGTH FOR THE ANTICIPATED LOADS. THE GRATE SHALL HAVE AN AVAILABLE INLET AREA EQUAL TO AT LEAST THE OUTLET DRAIN FOR THE CATCH BASIN, FLOOR DRAIN OR TRENCH DRAIN.</p> <p>382.34(4)(C) 3. 2. A TRAP MAY BE OMITTED FOR A CATCH BASIN, FLOOR DRAIN SERVING A GARAGE FOR A ONE- AND TWO-FAMILY DWELLINGS THAT DISCHARGES TO THE GROUND SURFACE.</p> <p>NOTE: FOR RESIDENTIAL EXCLUSION SEE S. SPS 325.01 (4) (C).</p> <p>[DPD: ONLY REPEAL NOTE IF RELATED SECTION IN SPS 325 IS REPEALED.]</p>		<p>TONY</p>

35.	382.34 (5) (B) 2. AND A.	OTHER MORE ECONOMICAL METHODS TO INTERCEPT GREASE. #1 ISSUE W/PETITIONS.	DIS	<p>REPEAL SPS 382.34 (5) (B) 2. AND 2. A.:</p> <p>2. 'PRIVATE ONSITE WASTEWATER TREATMENT SYSTEMS.' ALL NEW, ALTERED OR REMODELED PLUMBING SYSTEMS WHICH DISCHARGE TO PRIVATE ONSITE WASTEWATER TREATMENT SYSTEMS SHALL BE PROVIDED WITH EXTERIOR GREASE INTERCEPTORS.</p> <p>A. EXCEPT AS PROVIDED IN SUBD. 2- B., ONLY KITCHEN AND FOOD WASTES SHALL BE DISCHARGED TO AN EXTERIOR GREASE INTERCEPTOR.</p> <p>[RENUMBER 382.34 (5) (B) 2. B. AND C.]</p>	LESS RESTRICTIVE. LESS COST.	<p>RON</p> <p>REVIEWED – SEE NO ISSUES WITH STRIKING CODE SECTION.</p>
36.	382.34 (5) (C)	CLARIFICATION. OTHER NON-GREASE PRODUCING FIXTURES TEND TO INTERFERE WITH PROPER GREASE INTERCEPTION.	DIS	<p>EXTERIOR GREASE INTERCEPTORS. EXTERIOR <u>NEW EXTERIOR GREASE INTERCEPTORS INTERCEPTOR INSTALLATIONS</u> SHALL RECEIVE THE ENTIRE <u>GREASY</u> WASTE DISCHARGE FROM KITCHENS OR FOOD PROCESSING AREAS. ALL EXTERIOR INTERCEPTORS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THIS PARAGRAPH, SO AS TO CONSTITUTE AN INDIVIDUAL STRUCTURE.</p>		<p>BRUCE</p>
37.	382.34 (5) (C) 1. G.	COMPARTMENTS ON EXTERIOR GREASE INTERCEPTORS PREVENT CHANNELING OF WASTE.	DIS	<p>AN EXTERIOR GREASE INTERCEPTOR SHALL HAVE AT LEAST TWO COMPARTMENTS. EACH COMPARTMENT OF AN INTERCEPTOR TANK SHALL BE PROVIDED WITH AT LEAST ONE MANHOLE OPENING LOCATED OVER EITHER THE INLET OR OUTLET OPENING. ADDITIONAL MANHOLE OPENINGS SHALL BE PROVIDED SUCH THAT NO INTERIOR COMPARTMENT WALL OF A TANK IS MORE THAN 4 FEET FROM THE EDGE OF THE MANHOLE OPENING. THE DISTANCE BETWEEN MANHOLE OPENINGS SERVING THE SAME COMPARTMENT SHALL NOT EXCEED 8 FEET. MANHOLE OPENINGS SHALL BE NOT LESS THAN 23" INCHES IN THE LEAST DIMENSION. MANHOLES SHALL TERMINATE AT OR ABOVE GROUND SURFACE AND BE OF APPROVED MATERIALS.</p>		<p>BRUCE</p>
37 A1.	382.34 (5) (D) <u>g.</u>	CREATE NEW	DIS	<p><u>FOR CALCULATING GREASY WASTE FOR A WOK THE FOLLOWING FORMULA MAY BE USED:</u></p> $\frac{\text{DIAMETER X DIAMETER X .7854 X DEPTH X .65 X .75}}{231}$		<p>RON</p> <p>REVIEWED AND RESEARCHED FORMULA - SEE NO ISSUES TO ADD TO THE CODE</p>

37A.	382.34 (15) (A) 2.	AMEND TO REMOVE EXTERIOR	DIS,	EXTERIOR CONTAINMENT CONTAINMENT DEVICES OR TREATMENT SYSTEMS FOR MIXED WASTEWATER, DECONTAMINATION TANKS OR OTHER SPECIAL WASTEWATER TREATMENT DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH S. SPS 384.25 OR AS APPROVED BY THE DEPARTMENT.		. GLEN

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37 A2.	382.34 (16) (DPD: RENUMBER AS REQUIRED)	CREATE NEW SECTION (16) KEEPS PERFORMANCE AND INCLUDES OTHER PARTS OF CODE. [DIS	<p><u>(16) WATER REUSE SYSTEMS. (PAR A., 1 TO 3. IS RENUMBERED FROM 382.34 (3) (A) 1. TO 3.)</u></p> <p><u>(1) (A) TREATMENT FOR REUSE. 1. EXCEPT AS LIMITED IN SUBD. 2., GRAYWATER, STORM WATER, CLEAR WATER, BLACKWATER AND OTHER WASTEWATERS AS APPROVED BY THE DEPARTMENT MAY BE REUSED IN CONFORMANCE WITH S. SPS 382.70.</u></p> <p><u>2. EXCEPT AS PROVIDED IN SUBD. 3., WASTEWATER DISCHARGED FROM WATER CLOSETS OR URINALS SHALL NOT BE REUSED FOR DRINKING WATER.</u></p> <p><u>3. ALL TREATMENT WORKS PERMITTED BY THE DEPARTMENT OF NATURAL RESOURCES, OR A POWTS WHICH INCLUDES AN IN SITU SOIL DISPERSAL OR TREATMENT COMPONENT MAY TREAT WASTEWATER DISCHARGED FROM WATER CLOSETS OR URINALS FOR REUSE.</u></p> <p><u>(2) (B) WATER QUALITY. WATER REUSE TREATMENT SHALL PRODUCE A WATER QUALITY CONFORMING TO SPS 382.70.</u></p> <p><u>(A) 1. PERIODIC MAINTENANCE SHALL BE PERFORMED BY COMPETENT INDIVIDUALS.</u></p> <p><u>1. A. RECORDS SHALL BE KEPT ON DATES OF CLEANING, REPLACEMENT OF COMPONENTS OR PARTS, AND WHEN THE SYSTEM WAS SHUT DOWN AND REASON FOR SHUT DOWN.</u></p> <p><u>2. B. THE DEPARTMENT SHALL BE PROVIDED ACCESS TO THE WATER TREATMENT SYSTEM AND RECORDS UPON REQUEST.</u></p> <p><u>(3) (C) MATERIALS. 1. WATER DISTRIBUTION MATERIAL SHALL COMPLY WITH SPS 384.30(4)(E) AND SPS 384.30(5).</u></p> <p><u>2. DRAIN AND VENT PIPING SHALL COMPLY WITH 384.30(2).</u></p> <p><u>3. TREATMENT AND HOLDING TANKS SHALL COMPLY WITH 384.25.</u></p> <p><u>4. WATER TREATMENT COMPONENTS SHALL HAVE DEPARTMENT APPROVAL OR CONFORM TO AN ACCEPTED STANDARD.</u></p> <p><u>5. COMPONENTS SHALL BE PROPERLY LABELED AS TO THE MANUFACTURER AND MODEL NUMBER.</u></p> <p><u>(4) (D) INSTALLATIONS. (A) 1. WATER REUSE SYSTEMS SHALL NOT SUPPLY WATER TO A POTABLE WATER SUPPLY SYSTEM.</u></p> <p><u>2. A POTABLE WATER SUPPLY CONNECTED TO A REUSE WATER SYSTEM SHALL BE PROTECTED BY A HIGH HAZARD CROSS CONNECTION CONTROL DEVICE, ASSEMBLY OR METHOD.</u></p> <p><u>3. A BACKWATER VALVE SHALL BE INSTALLED WHERE THE DISCHARGE FROM A REUSE COMPONENT IS CONNECTED TO A SEWER.</u></p> <p>NOTE: FOR WATER REUSE, REFER TO THE APPROPRIATE REQUIREMENTS IN SS. SPS 382.30, 382.36, 382.40, 382.41, 382.70 AND THIS SECTION.</p>	LESS RESTRICTIVE REGARDING RECORD KEEPING	BRUCE
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37B.	382.34 (15) (E) (DPD CHECK FOR DUPLICATE)	CLARIFICATION	DIS	(E) PUMP REQUIREMENTS. 1. A <u>PUMP OR DISCHARGE LINE SERVING SHALL SERVE A CONTAINMENT TANK FOR SERVICING PURPOSES AND SHALL COMPLY WITH ALL OF THE FOLLOWING:</u>				TONY								
37 b1.	382.34 (17) (g)	Implode protection Create new code language	DIS,.	(17) (g) (h) <u>Implode protection.</u> A vacuum relief valve shall be installed in each water treatment appliance and installed more than 20 feet above any faucet or outlet served by the appliance when measured from the bottom of the tank.			Minimal	Ron								
38.	382.35 (3) (f)	With the advent of plastic pipe, the rule is outdated.	DIS	Stacks. Where a cleanout is provided in a drain stack, the cleanout shall be located 28 to 60 inches above the lowest floor penetrated by the stack. (Rule was written when cast iron was the prevalent material used in stacks and prevented fixture connections into the cleanouts.)				Ron								
38a.	382.35 (6) Table 382.35		DIS,	<table border="1"> <thead> <tr> <th>Diameter of Pipe Served by Cleanout (inches)</th> <th>Minimum Diameter Cleanout Extension (inches)</th> <th>Minimum Diameter of Cleanout Opening (inches)</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>5 4</td> <td>4</td> </tr> <tr> <td>6</td> <td>6 4</td> <td>5 4</td> </tr> </tbody> </table>	Diameter of Pipe Served by Cleanout (inches)	Minimum Diameter Cleanout Extension (inches)	Minimum Diameter of Cleanout Opening (inches)	5	5 4	4	6	6 4	5 4			Ron Reviewed – No issues with change. IPC 708.1.5 code section references piping 4” or larger c.o. need not to be larger than 4”.
Diameter of Pipe Served by Cleanout (inches)	Minimum Diameter Cleanout Extension (inches)	Minimum Diameter of Cleanout Opening (inches)														
5	5 4	4														
6	6 4	5 4														
38 a2.	382.36 (3) (d) 1. to 7.	Create new par./subd. (d) 1. to 5. Adds manholes to include provision to remove suspended solids for longer	DIS,	<p>(d) 1. Each compartment of a detention tank used for the reduction of total suspended solids shall be provided with at least one a manhole opening located over either at least one inlet or and at least one outlet. For compartments with multiple inlets, a manhole or a cleanout shall be provided shall be provided at additional inlets and outlets.</p> <p>2. The distance between manhole openings serving the same compartment shall not exceed 25 50 feet.</p> <p>3. A manhole opening shall be not less than 23” in the least dimension.</p> <p>4. A manhole shall terminate at or above ground surface and be of approved materials. Steel tanks shall have a minimum 2” collar for the manhole extensions permanently welded to the tank. The manhole extension on fiberglass tanks shall be of the same</p>			Will result in upfront costs but will reduce long-term cost to owners for labor/maintenance/cleaning.	9/6/2018 - Motion to adopt as amended. Ron Reviewed – see no issues with striking and adding								

		detention tanks.		<p>material as the tank and an integral part of the tank. The collar shall have a minimum height of 2".</p> <p>5. Manhole risers shall be provided with a substantial, fitted, watertight cover of concrete, steel, cast iron or other approved material.</p> <p>6. Manhole covers shall terminate at or above grade and shall have an approved locking device.</p> <p>7. Tanks shall conform to provisions of s. SPS 384.25.</p> <p>DPD Ensure same language appears in SPS 382.34 (5) (c)1.</p>		code language.
38 a3.	382.36 (4) (b) 4.	Create 4.		4. Exterior subsoil drain connections to the storm sewer shall be above the top of the storm sewer or by use of a backwater valve.	Provides options.	Bruce
36b2	382.36 (6) (g) 4.	Create	DIS	4. A subsurface stormwater detention system that has a permanent pool of water shall be designed and installed in a manner that accomplishes vector control.		Bruce
38d.	382.36 (7) (d) 1.		DIS	<p>1. The connection of a stormwater leader discharging to a storm building sewer shall be made at or above the finished grade.</p> <p>2. 1m. If flush-indirect connection and at finished grade, a removable strainer must shall protect the inlet. The capacity of strainer shall be provided in accordance with s. SPS 382.36 (9) (b).</p>		<p>Ron</p> <p>Reviewed – No conflict with other codes in SPS 382.36</p>
38 d1.	382.36 (8) (a) 4. a.	Revise. See also item # 38d2. "or c." relates to repealed provision.	DIS	a. Except as permitted under subd. 4. b. or c. the size of each sump shall be no smaller than 16 inches in diameter at the top, 14 inches in diameter at the bottom, and 22 inches in depth, but in no case smaller than the manufacturer requirements to ensure sufficient pump run time.		<p>Ron</p> <p>Reviewed – No issues.</p>

38d2.	382.36(8) (a)4.c.	Repeal	DIS	4. 'Size'. c. A sump located in an elevator pit may have a width or diameter of not less than 12 inches and a depth of not less than 12 inches.		Bruce
38e.	382.36 (8) (b)	Create 3. under par (8) (b)	DIS	382.36 (8) (b) 3. Clearwater wastewater shall not discharge into a stormwater sump, except for one- and 2-family dwellings.	Minimal	Tony
38 f4.	382.36 (10c)	Create new section (10) (c)		<p><u>(10) (c) CONTROLLED FLOW ROOF DRAINS</u> When controlled flow roof drains are installed, the system shall be sized and installed in accordance with the requirements in this section.</p> <p><u>(a) Drain down.</u> The detention area shall drain down within 24 hours after the rainfall event.</p> <p><u>(b) Prohibited connections.</u> The drains may not be connected to secondary roof drain systems or clearwater waste systems.</p> <p><u>(c) Discharge.</u> The system shall discharge in accordance with Table 382.38-1.</p> <p><u>(d) Rain fall rate.</u> Controlled flow roof drainage systems shall be engineered based on the required rainfall rate per SPS 382.36(5) and utilizing a minimum 10 year-24 hours rain event.</p> <p><u>(e) Drains.</u> Controlled flow roof drains shall utilize the same drain as specified in the engineered system.</p> <p><u>(f) Overflow.</u> Secondary roof drain systems serving controlled flow roof drain-systems shall be sized for the 100-year, 24-hour storm event, including all cascading loads from higher elevation overflows.</p> <p><u>(g) Roof Structures.</u> Roof structures served by controlled flow roof drain systems shall be engineered in accordance with IBC section 1611.3.</p>		Bruce
38 f5.	382.36 (10) (d)	Create new section (10) (d)	DIS,	<p><u>(10) (d) SIPHONIC ROOF DRAINS.</u></p> <p><u>When siphonic roof drain systems are installed, the system shall be sized and installed in accordance with the requirements in this section.</u></p> <p><u>(a) Drain down.</u> The detention area shall drain down within 24 hours after the rainfall event.</p> <p><u>(b) Prohibited connections.</u> Siphonic roof drain systems may not be connected to conventional roof drain systems, secondary roof drain systems, controlled flow roof drainage, or clearwater waste systems.</p> <p><u>(c) Discharge.</u> The system shall discharge in accordance with SPS Table 382.38-1.</p> <p><u>(d) Rain fall rate.</u> Siphonic roof drain systems shall be engineered based on the required rainfall rate per SPS 382.36 (5) and utilizing a minimum 10 year-24 hours rain event.</p>		Bruce

				<p>(e) Drains. Siphonic roof drains systems shall be utilize the same drain as the <u>engineered system.</u></p> <p>(f) Overflow. Secondary roof drain systems serving siphonic roof drain systems shall be sized for the 100-year, 24-hour storm event, including all cascading loads from higher elevation overflows.</p> <p>(g) Roof Structures. Roof structures served by siphonic roof drain systems shall be engineered in accordance with IBC Section 1611.3.</p> <p>(h) Siphon break. A siphon break shall be provided downstream of a siphonic roof drain system.</p> <p>(i) Piping design. Hydraulic designs shall comply with the ASPE/ANSI Technical Standard 45-2013, ASTM standard F 2021-06, and ASME standard A112.6.9-2005.</p> <p>Note: See appendix for further explanatory material. (DPD/DIS: Add reference to standards to the appendix. Include language in note that the standards may be used to comply with this section.)</p>		
38 f6.	382.36 (11)	Create new pars. under section SECONDARY ROOF DRAINS.	DIS,	<p>(d) Rain fall rate. Secondary roof drain systems shall be sized for the 100-year, 24-hour storm event, including all cascading loads from higher elevation overflows</p> <p>(e) Overflow drains. Secondary overflow drains and overflow standpipes rim elevations may not exceed 5 inches in height above the adjacent roof elevation served by the primary roof drains.</p> <p>(f) Roof Structures. Roof structures served by control flow roof drainage systems shall be engineered in accordance with IBC Section 1611.3.</p>		Bruce
38g.	382.36 (12) (a) 4.		DIS,	4. A foundation subsoil drain that discharges by gravity to a storm sewer shall be trapped. The trap shall be provided with cleanouts.	n/a	Ron Reviewed – No issues.
38i.	382.36 (12) (b) (8) (a) 5.	Create new subdivisions See #38h.	DIS,	(8) (a) 5. Solid covered sumps. A storm or clearwater sump with a solid cover shall be vented. The vent shall terminate a minimum of one inch above finished floor and sized as per SPS Table 382.31-4. In lieu of a separate vent, a sealed sump may incorporate a radon vent connected to the subsoil drain or sump cover.		Ron Reviewed – By creating the subdivision the code will be more current.

39.	382.365 (3) (a)	Confusing language. Infiltration is separate from reuse.	DIS	INFILTRATION SYSTEM DESIGN. (a) <i>Influent quality.</i> <u>1.</u> For stormwater and clearwater infiltration plumbing systems, the influent quality shall comply with the requirements in Table 382.70-1 for subsurface infiltration and irrigation.		Bruce
40.	382.365 (3) (b) 3.	New Alternate standard. DNR sets standards for discharge. Reflects technology changes in NR 151. DNR approval not required.	DIS	<u>3. The installation of a stormwater infiltration system where engineered soil is incorporated in lieu of in situ soil shall comply with the following stipulation:</u> a. <u>The engineered soil composition shall be engineered to meet the specifications listed in the Wisconsin Conservation Practice Standard 1004 (Bioretention for Infiltration).</u> b. <u>The engineered filtering layer shall be located above any limiting factor identified within the soil report.</u> c. <u>The engineered soil shall not be less than 24 inches in depth, or 18 inches with supporting documentation.</u>	Allows flexibility. Less restrictive.	Bruce
41.	382.365 (3) (b) 1.	Incorporating DNR Wis. Conservation Practice Standard 1002 Repeals tables 382.365-1 to 3 and adopts 1002 and 1004 as referenced standards.	DIS	(b) Except as provided in subd. 2., the minimum depth of suitable in situ soil for infiltration systems shall be <u>as specified in Table 382.365-1 under subd. 1. a. or b. so as</u> to separate the system from the highest groundwater elevation or bedrock. When groundwater mounding calculations affect the depth to seasonal groundwater, the depth of suitable soil shall be measured to the calculated elevation of mounded groundwater. <u>1. a. Five feet of suitable soil separation where the soil contains greater or equal to 10 percent and less than or equal to 20 percent fines.</u> <u>b. Three feet of suitable soil separation where the soil contains greater or equal to 20 percent fines exist.</u> 1002 standard is now requiring pits and is equivalent to SPS 385 soil testing. Standard 1002 - Site Evaluation for Storm Water Infiltration (Link to DNR website) Standard 1004 - Biotention for Infiltration (Link to DNR website) <i>Add note to refer to DNR Standards 1002 and 1004.</i> <i>Note: See appendix for explanatory material. (DPD/DIS to determine if standards will be placed in table in SPS 381 (adopted) or in appendix.)</i>		Bruce


41a.	382.365 (3) (b) 3. Incorporated in #40	C	DIS	3. Where engineered soil is incorporated in lieu of in situ soil as an equivalent filtering layer, the following shall apply: engineered soil shall meet specifications listed in the <u>Wisconsin Conservation Practice Standard 1004</u> , The filtering layer shall be above any identified limiting factor, and the engineered soil shall not be less than 24 inches, or 18 inches with department approval.		Bruce
42.	382.365 (4)	Codifying current practice	DIS	INSTALLATION. (ag) <u>Bioretention systems shall comply with Wisconsin Conservation Practice Standard 1004</u> Renumbered to (b) -(ar) <i>Orientation.</i> Except for subsurface irrigation systems, all of the following shall apply: Discussion: Wisconsin Conservation Practice Standard 1004 contains best practices specific construction requirements.		Bruce
43.	382.365 (3) (c)1.	Incorp. WI Conservation Practice Standards	DIS	The maximum hydraulic application rate shall be determined by soil analysis in accordance with sub. (2) (b) and Table 382.365-2 <u>Wisconsin Conservation Practice Standard 1002.k</u>		Bruce
44.	382.365 (3) (c)2.	Incorp. WI Conservation Practice Standards	DIS	The maximum hydraulic application rate shall be determined by field measurement using a nationally-accepted method and the correction factor as determined using <u>Wisconsin Conservation Practice Standard 1002</u> . Table 382.365-3 . To determine the maximum hydraulic application rate, the measured infiltration rate at the infiltrative surface shall be divided by the correction factor as listed in Table 382.365-3 .		Bruce
45.	382.365 (c)2.	Incorp. WI CP Standards. Relates to storms	DIS	Repeal Table 382.365-1 to 3.		Bruce
45a.	382.37 (2) (g)	Revise	DIS	(g) A <u>permanent</u> supply of water shall be provided to wash down the drain receptor and pad. The water supply shall be:		Ron <i>Reviewed – No issues with the adding of language.</i>

45b.	382.37 (3) (a) <u>8.</u>	Create new subd. 8.	DIS,	<u>8. A camping unit may discharge wastewater into a transfer tank. The connection to the transfer tank shall be made water tight. The transfer tank shall be provided tank with a minimum 2-inch vent that is screened or turned downward.</u>		Tony
45c.	382.37 (3) (b) 2. <u>a.</u> <u>and b.</u>	Revised, add new language, a.	DIS	2. <u>a.</u> If water is provided to a campsite, individual approved backflow protection shall serve each hose connection in accordance with s. SPS 382.41. <u>b. Wye connectors are prohibited.</u>		Tony
45d.	382.37 (3) (b) <u>4. and 5.</u>	Create new subd. 4. and 5. due to ch. 327 – campground code.	DIS	<u>4. The water connection to a camping unit may be plumbed direct if the fixtures comply with provisions of chs. SPS 382 and 384.</u> <u>5. An indirect water connection may be made to a camping unit with approved cross connection control.</u>		Tony
46.	382.37 (3) (b) 4. Same as #45b. above?	New - Issues w/water supply quality & effective means to flush out system.	DIS,	<u>a. A camping unit may discharge wastewater into a transfer container. The connection to the transfer container shall be made water tight. The transfer container shall be provided with a minimum 2-inch screened vent.</u> The note, as recommended, already appears under this section.	More restrictive	Tony n. "See Appendix 382 for additional information." Add table 10.10.2.1.3 to appendix 382.? ?
47 a1.	382.40 (3) (e)	Create new exceptions	DIS	(e) Multipurpose piping system. Except as provided in subd. 2., a A multipurpose piping system shall be designed and installed in accordance with this section and NFPA 13D with the following exceptions: 2m. Materials for multipurpose piping systems shall be acceptable under NFPA 13D or 384.30(4)(e) and 384.30(5). 3. A partial or single sprinkler per NFPA 13D may be installed in a dwelling unit not required to be sprinkled. 4. Limited purpose or limited area sprinklers may be installed in areas not required to be sprinklered. 5. Five gpm shall be added onto the multipurpose calculations for each dwelling connected to a common water supply system.	Less restrictive	BRUCE

				6. A flow test shall be performed at the controlling sprinkler(s) before the system is put into operation.		
47 a2.	382.40 (5) (3) (c) 4.	Create new subd. 4.	DIS	(3)(c)4. The water supply system shall be protected from thermal expansion when a closed system is created.	When a check valve or backflow preventer creates a closed system	TONY Closed system would be upstream of a check valve or BFP
47a.	382.40 (5) (am)	Incorporate language from SPS 325 (UDC) due to repeal of s. SPS 325.01 (2) (a) to (c).	PAC	<p>Create SPS 382.40 (5) (am) (DPD to renumber: need intro, renumber a. to 1., create 2., a., and b.)</p> <p>(am) Tankless water heaters.</p> <p>2. The minimum flow rate of a tankless type water heater may be obtained by multiplying 0.65 by the calculated hot water gallons per minute demand, as determined by SPS 382 Tables 382.40-1b and 382.40-3, provided the heater will achieve a water temperature of 110° F at the terminal fitting or faucet.</p> <p>a. The sizing method in subd. (a) 1. may not be used for sizing a water heater serving a high-flow fixture, a hose bibb, a hydrant, or a fixture that is required to have a supply line with a diameter larger than one-half inch.</p> <p>b. For the purposes of this subsection, "high-flow fixture" means a fixture with a flow rate of more than 4 gallons per minute, at 80 pounds per square inch, and a water velocity not exceeding 8 feet per second.</p> <p>Repeal Note: SPS 382.40 (5) (a) (note) Note: Residential exclusion see s. SPS 325.01 (2).</p>		Language Consistent with SPS 325.01(2) TONY
47b.	382.40 (5) (b) 1. a.	Create new subd. par. a.	PAC	a. b. A hot water circulation system connection shall be made downstream of the control valve serving the water heating device.		TONY
47b1	382.40 (5) (d) 5. a.	Repeal	DIS	a. The discharge pipe and fittings shall be made of a material acceptable for water distribution piping in accordance with s. SPS 384.30 (4) (c) 1.	Refer to ASME A112.4.1-2009 (r2019) standard if adopted?	TONY

47b2	382.40 (5) (c) and (d) titles		DIS,	<p>(c) Water heaters. (d) Safety devices.</p> <p>SPS 382.40 (5) (c) (title) is amended to read: (c) Water heaters <u>and safety devices.</u></p> <p>(c) (intro.) is amended to read:</p> <p>(c) (intro.) All water heaters and safety devices shall be designed and constructed in accordance with s. SPS 394.20 (4) (p). Water heaters shall be equipped with safety devices as specified in this paragraph <u>in accordance with the following:</u> ASME Standard SPS 382.40 (5) (d) (title) and (intro.) are repealed.</p>	Refer to ASME A112.4.1-2009 (r2019) standard if adopted?	<p><i>renumber accordingly.</i></p> <p>TONY</p>																
47c.	Table 382.40-2	Revise table re: fixture types, Add new residential type	DIS	<p style="text-align: center;">Table 382.40-2 Water Supply Fixture Units for Public Use Fixtures</p> <table border="1"> <thead> <tr> <th>Type of Fixture^a</th> <th>Hot</th> <th>Cold</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Automatic Clothes Washer, Individual Commercial Type</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Automatic Clothes Washer, Large Capacity Commercial Type</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Automatic Clothes Washer, Residential Type</td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;"><u>1.5</u></td> </tr> </tbody> </table>	Type of Fixture ^a	Hot	Cold	Total	Automatic Clothes Washer, Individual Commercial Type				Automatic Clothes Washer, Large Capacity Commercial Type				Automatic Clothes Washer, Residential Type	<u>1</u>	<u>1</u>	<u>1.5</u>		TONY
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48.	382.40 (7) (d)1.	Additional pressure need by manufacturers	DIS,	<p>Except as provided in subd. 1. a. to e. <u>d.</u>, water supply systems shall be designed to provide at least 8 psig of flow pressure at the outlets of all fixture supplies.</p> <p><u>d. Minimum pressure required by manufacturer for fixture, or appliance, or equipment to operate.</u></p>		<p>RON</p> <p><i>Reviewed – No issue with addition of this subparagraph. (Ex. Eyewashes)</i></p>																

48a.	382.40 (7) (d) 4.	Revise	DIS	3. If the pressure <u>or water supply volume</u> available from the water main or private water supply is inadequate by calculation to provide the minimum pressures specified in subd. 1., a hydropneumatic pressure booster system or a water pressure booster pump shall <u>may</u> be installed to increase the supply of water.		RON <i>Reviewed – No issue. SPS 382.40(7)(a)2.</i>
48b.	382.40 (7) (d) 4. a.	Revise	DIS	4.a. Each water pressure booster pump shall be provided with an automatic low- <u> pressure cut-off switch. The cut-off switch shall be located on the inlet side of the pump and shall be set to terminate the energy supplied to the pump when a positive pressure of less than 10 psig occurs. <u>Pressure gauges shall be installed on the influent and effluent piping.</u></u>	Minimal	RON <i>Reviewed – No issues.</i>
48c.	382.40 (7) (e)	Revise	DIS	(e) Maximum velocity. A water distribution system shall be designed so that the flow velocity does not exceed 8 feet per second, <u>except for combination sprinkler distribution piping as designed in par. (3) (e).</u>		TONY.
49.	382.40 (8) (b) 10.	New – Water supply quality issues and inability to effectively to flush lines.	DIS,	<u>Private water mains shall be provided with provisions for effective flushing of the system, at a minimum of 10 feet per second until clear.</u> <u>Note: See ch. SPS 382 appendix for further explanatory information.</u> [Note to DPD.: Ensure notes refer to correct reference.]	More restrictive	TONY
49a.	382.40 (8) (d) 3. b.	Revise	DIS,	3.b. The minimum diameter of water distribution piping serving as a meter bypass shall <u>may</u> be one nominal pipe size smaller than the <u>meter required diameter of the distribution piping.</u>	Less restrictive	TONY

51 a2.	Table 382.40-8	Pipe wall thicknesses between the two standards are too different to be on the same table	DIS	<p align="center">Table 382.40-8</p> <p align="center">CHLORINATED POLYVINYL CHLORIDE TUBING, ASTM D2846 and F442, SDR 11; (C=150)</p> <p><u>Justification:</u> ASTM F442 SDR11 pipe dimensions. $\frac{3}{4}$" OD=1.050 Min wall=.095X2=.190 1.050-.190=.860 1" OD =1.315 Min wall=.119X2=.238 1.315-.238= 1.077</p> <p>ASTM D2846 SDR11 pipe dimensions. $\frac{3}{4}$" OD=.875 Min wall=.080X2=.160 .875-.160=.715 1" OD=1.125 Min wall=.102X2=.204 1.125-.204=.921</p>	none	<p>GLEN</p> <p>The difference in wall thickness between the two standards is due to the difference between nominal TUBE size and nominal PIPE size.</p> <p>ASTM F442 does not address TUBING, therefore the proposed code change is acceptable.</p>  <p>D2846 Wall Thickness for SDR11.pdf</p>
51 a3.	Table 382.40-12	Create, Delete table from Appendix and move with the other 11 tables showing similar information	DIS	<p align="center">Table 382.40-12</p> <p align="center"><u>Maximum Allowable Load for PVC SDR 80, ASTM 1785 (½ to 2 inches)</u></p>	none	<p>GLEN.</p> <p>OK</p>
51a4.	Table 382.40-13 Create	Create, Delete table from Appendix and move with the other 11 tables showing similar information	DIS	<p align="center">Table 382.40-13</p> <p align="center"><u>Maximum Allowable Load for PVC SDR 80, ASTM 1785 (2 ½ to 6 inches)</u></p>	none	<p>GLEN</p> <p>OK</p>

51a5.	Table 382.40-14 Create	Create, Delete table from Appendix and move with the other 11 tables showing similar information		<p align="center">Table 382.40-14</p> <p align="center">Maximum Allowable Load for CPVC SDR 80, ASTM F 441 (½ to 2 inches)</p> <p align="center">NOTE: This table has a column for 3/8", this column should be removed so there is no confusion on allowing 3/8" water distribution piping.</p>	none	<p align="center">GLEN</p> <p align="center">OK</p>
51a6.	Table 382.40-15 Create	Create, Delete table from Appendix and move with the other 11 tables showing similar information		<p align="center">Table 382.40-15</p> <p align="center">Maximum Allowable Load for CPVC SDR 80, ASTM F 441 (2 ½ to 10 inches)</p>	n/a	<p align="center">GLEN</p> <p align="center">OK</p>
16.	382.31 (16) (E)	DEPT. APPROVAL NOT REQUIRED	DIS	<p><i>EXTENSION THROUGH WALL. WHERE APPROVED BY THE DEPARTMENT, A VENT MAY TERMINATE THROUGH AN EXTERIOR WALL. SUCH A VENT SHALL TERMINATE AT LEAST 10 FEET HORIZONTALLY FROM ANY LOT LINE AND SHALL TERMINATE DOWNWARD. THE VENT SHALL BE SCREENED AND SHALL COMPLY WITH PAR. (D). LOCATION OF VENT TERMINALS. 1. A VENT SHALL NOT TERMINATE UNDER THE OVERHANG OF A BUILDING WITH SOFFIT VENTS.</i></p>	<p align="center">IPC 903.6 EXTENSION THROUGH THE WALL VENT TERMINALS EXTENDING THROUGH THE WALL SHALL TERMINATE AT A POINT NOT LESS THAN 10 FEET (3048 MM) FROM A LOT LINE AND NOT LESS THAN 10 FEET (3048 MM) ABOVE AVERAGE GROUND LEVEL. VENT TERMINALS SHALL NOT TERMINATE UNDER THE OVERHANG OF A STRUCTURE WITH SOFFIT VENTS.</p>	<p align="center">RON</p>

						SIDE WALL VENT TERMINALS SHALL BE PROTECTED TO PREVENT BIRDS OR RODENTS FROM ENTERING OR BLOCKING THE VENT OPENING	

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