



---

**VIRTUAL/TELECONFERENCE  
PLUMBING CODE ADVISORY COMMITTEE MEETING**  
**Virtual, 4822 Madison Yards Way, Madison**  
**Contact: Carl Hampton (608) 266-2112**  
**May 26, 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 April 22, 2021 (2-3)**
- C. Administrative Matters – Discussion and Consideration**
  - 1) Committee, Department and Staff Updates
- D. Administrative Rule Matters – Discussion and Consideration**
  - 1) Review of Plumbing Code Changes **(4-20)**
    - 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: JUNE 22, 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

**VIRTUAL/TELECONFERENCE  
PLUMBING CODE ADVISORY COMMITTEE  
MEETING MINUTES  
APRIL 22, 2021**

**PRESENT:** Fred Gardner, Joseph Kiedrowski, Justin Kressin, Roger Musolff, Jason Sladky

**EXCUSED:** Randy Lorge, Spencer Statz

**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 Roger Musolff, to adopt the Agenda as published. Motion carried unanimously.

**APPROVAL OF MINUTES OF MARCH 23, 2021**

**MOTION:** Joseph Kiedrowski moved, seconded by Justin Kressin, to approve the Minutes of March 23, 2021 as published. Motion carried unanimously.

**ADMINISTRATIVE RULE MATTERS**

**Plumbing Code Changes**

**MOTION:** Roger Musolff moved, seconded by Joseph Kiedrowski, to recommend approval of SPS 382 Design, Construction, Installation, Supervision, Maintenance, and Inspection of Plumbing (except for 382.33(8)(D)3, 382.33(9)(g)1, SPS 382.34 (4)(C), 382.34(16), 382.35(3)(f), 382.37 (3)(b)2 a and b, 382.40 (5) (d) 5. a., 382.40(7)(d)1, 382.40(7)(e), 382.40(8)(b)10, 382.31(16)(e) as outlined in the 4/22/2021 agenda materials with appropriate notes. Motion carried unanimously.

**MOTION:** Jason Sladky moved, seconded by Joseph Kiedrowski, to recommend approval of SPS 382.34 (4)(C)1, but not recommend approval of SPS 382.34 (4)(C)2 as outlined in the 4/22/2021 agenda materials. Motion carried unanimously.

**MOTION:** Joseph Kiedrowski moved, seconded by Justin Kressin, to table discussion of 382.33(8)(D)3, 382.33(9)(g)1, SPS 382.34 (4)(C), 382.34(16), 382.35(3)(f), 382.37 (3)(b)2 a and b, 382.40(7)(d)1, 382.40(7)(e), 382.40(8)(b)10, 382.31(16)(e) until a future meeting. Motion carried unanimously.

## **ADJOURNMENT**


**MOTION:** Fred Gardner moved, seconded by Joseph Kiedrowski, to adjourn the meeting. Motion carried unanimously.

The meeting adjourned at 12:51 p.m.

DRAFT

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

**AGENDA REQUEST FORM**



1) Name and title of person submitting the request: <b>Bruce Meiners</b>		2) Date when request submitted: <b>05/12/2021</b> <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: <b>Plumbing Code Advisory Committee</b>			
4) Meeting Date: <b>05/26/2021</b>	5) Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6) How should the item be titled on the agenda page? <b>Administrative Rule Matters</b> 1. Review of Plumbing Code Changes under SPS 381, 382, 384	
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 <a href="#">Appearance Request</a> 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. Member questions, issues, etc.			
11) Authorization			
		05/12/2021	
Signature of person making this request		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, Working Table – SUBJECT TO CHANGE**

**For code Committee meeting on 05/26/2021**


**DRAFT**

NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
103	<p>Table SPS 381.20-3e Wis. Adm. Code</p> <p>s. SPS 384.20(5)(c)3.a. &amp;b.</p> <p>s. SPS 381.01(31)</p>	<p>Code Update/reduce alternate approvals/aid compliance</p>	DIS/Glen S.	<p><a href="#">ASME A112.4.2-2015/CSA B45.16-15 (R2020) (PERSONAL HYGIENE DEVICES FOR WATER CLOSETS)</a></p> <p>3. Bidet sprayers shall conform to <a href="#">A112.4.2-2015/CSA B45.16-2015 (R2020)</a> and:</p> <p>a. <u>be installed:</u></p> <ol style="list-style-type: none"> <li>1. <u>using ASSE 1001 compliant vacuum breakers integral to the device.</u></li> <li>2. <u>only on water closets that conform to s. SPS 384.20 (5) (o) 1. Wis. Adm. Code,</u></li> <li>3. <u>with hot and cold, or, cold water supplies,</u></li> <li>4. <u>using a water supply independent of the water closet tank as the water source for the bidet sprayer, and</u></li> <li>5. <u>with permanent, legible markings visible after installation, that include the manufacturer's name or trademark and model number. Model numbers may appear on packaging.</u></li> </ol> <p>b. <u>the combination of a code complaint water closet and a code compliant bidet sprayer shall be regarded as a single water closet fixture and assigned the corresponding water supply fixture units in Table s. SPS 382.40-1b or Table 382.40-2 Wis. Adm. Code, appropriate for the installation.</u></p> <p><u>(31) "Bidet Sprayer": a component of a personal hygiene device intended for genital and perineal cleanliness and intended for installation in water closets and water closet seats.</u></p> <p><b><u>For the benefit of Plumbing Code Advisory Council members, informational only:</u></b></p> <p>DSPS industry research indicates the flow rates of bidet sprayers generally fall in the 0.1-0.3 gpm range. Typical use does not entail simultaneous activation of the water closet's flushing and sprayer functions; however, such use is possible.</p>	None	<p>Recommend adoption</p>  <p>ASME A112.4.2-2015 CSA B45.16-15 (R2020)</p>
104	<p>Table SPS 381.20-3e Wis. Adm. Code</p> <p>s. SPS 384.20 (6) (c). 1 &amp; 2 a-c &amp; footnotes 1 &amp; 2</p>	<p>Code Update/reduce alternate approvals/aid compliance</p>	DIS/Glen S.	<p><a href="#">ASME A112.18.6-2017/CSA B125.6-17 (FLEXIBLE WATER CONNECTORS)</a></p> <p>(c.) Flexible fixture supply connectors shall conform to <a href="#">ASME A112.18.6-2017/CSA B125.6-17</a> and:</p> <ol style="list-style-type: none"> <li>1. <u>be installed only in locations accessible [s. SPS 381.01 (2)] for service and replacement, and</u></li> <li>2. <u>be permanently and legibly marked with the following information:</u> <ol style="list-style-type: none"> <li>a. <u>manufacturer's name or trademark,</u></li> <li>b. <u>"For use with water in accessible locations only"<sup>1</sup>,</u></li> <li>c. <u>flexible connectors intended only for cold water applications shall include "Only for use with cold water"<sup>2</sup>.</u></li> </ol> </li> </ol> <p><small>footnote 1 = Not applicable to flexible connectors integral to an ASME A112.8.1/CSA B125.1 compliant faucet. footnote 2 = Not applicable to flexible connectors integral to an ASME A112.8.1/CSA B125.1 compliant fixture fitting.</small></p> <p>(e) 1. Except as provided in subd. 2., all fixture supply connectors shall be designed and constructed to withstand a minimum pressure of 100 psig at 180°F.</p>	None	<p>Recommend adoption</p>  <p>ASME A112.18.6-2017 CSA</p>

<p>106</p>	<p>Table SPS 381.20-4 Wis. Adm. Code</p> <p>s. SPS 384.20 (5) (c) 21.</p> <p>Table 382.41-2</p>	<p>Code Update/reduce alternate approvals/aid compliance</p>	<p>DIS/Glen S.</p>	<p><a href="#">ASSE/ANSI 1057-2012 (FREEZE RESISTANT SANITARY YARD HYDRANTS WITH BACKFLOW PROTECTION)</a></p> <p><a href="#">Yard hydrants shall conform to ASSE/ANSI 1057-2012.</a></p> <table border="1" data-bbox="684 315 1633 396"> <thead> <tr> <th>Methods or Assemblies (Standard)</th> <th>Types of Application or Use</th> </tr> </thead> <tbody> <tr> <td><a href="#">Freeze Resistant Sanitary Yard Hydrants with Backflow Protection, types 1, 2, 3, 4 and 5</a></td> <td><a href="#">Yard hydrants</a></td> </tr> </tbody> </table> <p><b>For the benefit of Plumbing Code Advisory Council members, informational only:</b></p> <p><b>1.2.1 DESCRIPTION</b></p> <p>This standard covers design and performance requirements for freeze resistant sanitary yard hydrants to prevent backflow due to backsiphonage and backpressure. These units shall be classified as follows:</p> <p><b>TYPE 1</b> devices shall consist of two independent checks, force loaded or biased to a closed position, with an atmospheric vent located between the two check valves, which is force loaded or biased to an open position, and a means for attaching a hose. when the hose is attached, the type 1 device shall be freeze resistant.</p> <p><b>TYPE 2</b> devices shall consist of two independent checks, force loaded or biased to a closed position, with an atmospheric vent located between the two check valves, which is force loaded or biased to an open position, and a means for attaching a hose. when the hose is removed, the type 2 device shall be freeze resistant.</p> <p><b>TYPE 3</b> devices shall consist of one check valve, force loaded or biased to a closed position, with an atmospheric vent, which is force loaded or biased to an open position, and means for attaching a hose. When the hose is attached, the type 3 device shall be freeze resistant.</p> <p><b>TYPE 4</b> devices shall consist of one check valve, force loaded or biased to a closed position, with an atmospheric vent, which is force loaded or biased to an open position, and a means for attaching a hose. When the hose is removed, the type 4 device shall be freeze resistant.</p> <p><b>TYPE 5</b> devices shall consist of a removable mechanical backflow protection device with at least one check valve, force loaded or biased to a closed position, and an atmospheric vent, which is force loaded or biased to an open position, and a means for attaching a hose. When the hose and backflow protection is removed, the type 5 device shall be freeze resistant and shall not allow a hose to be attached.</p>	Methods or Assemblies (Standard)	Types of Application or Use	<a href="#">Freeze Resistant Sanitary Yard Hydrants with Backflow Protection, types 1, 2, 3, 4 and 5</a>	<a href="#">Yard hydrants</a>	<p>None</p>	<p>Recommend adoption</p>  <p>ASSE ANSI 1057-2012.pdf</p>
Methods or Assemblies (Standard)	Types of Application or Use									
<a href="#">Freeze Resistant Sanitary Yard Hydrants with Backflow Protection, types 1, 2, 3, 4 and 5</a>	<a href="#">Yard hydrants</a>									
<p>107</p>	<p>Table SPS 381.20-5 Wis. Adm. Code</p> <p>Table SPS 384.30-4</p>	<p>Code Update</p>	<p>DIS/Glen S.</p>	<p><a href="#">ASTM F667/F667M-16 (STANDARD SPECIFICATION FOR 3 THROUGH 24 IN. CORRUGATED POLYETHYLENE PIPE AND FITTINGS)</a> <a href="#">Replaces/Remove ASTM F405-13</a></p> <table border="1" data-bbox="842 1305 1476 1362"> <thead> <tr> <th>Material</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>Polyethylene (PE)<sup>a</sup></td> <td><a href="#">ASTM F405</a>, <a href="#">ASTM F667/F667M-16</a>, ASTM F810</td> </tr> </tbody> </table>	Material	Standard	Polyethylene (PE) <sup>a</sup>	<a href="#">ASTM F405</a> , <a href="#">ASTM F667/F667M-16</a> , ASTM F810	<p>None</p> <p>Non-pressurized. soil absorption systems.</p>	<p>Recommend adoption</p>  <p>ASTM F667 F667M-16.pdf</p>
Material	Standard									
Polyethylene (PE) <sup>a</sup>	<a href="#">ASTM F405</a> , <a href="#">ASTM F667/F667M-16</a> , ASTM F810									

108	Table SPS 381.20-11 4.-6. Wis. Adm. Code  s. SPS 384.20 (5) (r) 1.-3.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">4. NSF/ANSI 42-2020 DRINKING WATER TREATMENT UNITS – AESTHETIC EFFECTS</a> <a href="#">5. NSF/ANSI 44-2018 RESIDENTIAL CATION EXCHANGE WATER SOFTENERS</a> <a href="#">6. NSF/ANSI 51-2019 FOOD EQUIPMENT MATERIALS</a>  <a href="#">1. Water treatment devices for aesthetic contaminants shall conform to NSF/ANSI 42-2020.</a> <a href="#">2. Cation exchange water softeners shall conform to NSF/ANSI 44-2018.</a> <a href="#">3. Food equipment materials shall conform to NSF/ANSI 51-2019.</a>	None	Recommend adoption  NSF-ANSI 42-2020.pdf
109	Table SPS 381.20-11 4. Wis. Adm. Code 7.  s. SPS 384.20 (5) (r) 4.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">7. NSF/ANSI 53-2020 DRINKING WATER TREATMENT UNITS – HEALTH EFFECTS</a>   <a href="#">4. Water treatment devices for health effecting contaminants shall conform to NSF/ANSI 53-2020.</a>	None	Recommend adoption  NSF-ANSI 53-2020.pdf
110	Table SPS 381.20-11 4. Wis. Adm. Code 8.  s. SPS 384.20 (5) (r) 5.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">8. NSF/ANSI 55-2020 DRINKING WATER TREATMENT UNITS – ULTRAVIOLET MICROBIOLOGICAL WATER TREATMENT SYSTEMS</a>   <a href="#">5. Ultraviolet microbiological water treatment devices shall conform to NSF/ANSI 55-2020.</a>	None	Recommend adoption  NSF-ANSI 55-2019.pdf
111	Table SPS 381.20-11 4. Wis. Adm. Code 9.  s. SPS 384.20 (5) (r) 6.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">9. NSF/ANSI 58-2020 DRINKING WATER TREATMENT UNITS = REVERSE OSMOSIS</a>   <a href="#">6. Reverse osmosis water treatment devices shall conform to NSF/ANSI 58-2020.</a>	None	Recommend adoption  NSF-ANSI 58-2020.pdf
113	Table SPS 381.20-11 4. Wis. Adm. Code 10.  s. SPS 384.20 (5) (r) 7., 7.a. and 7.b.  SPS 384 (25)(r)3.4.5.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">10. NSF/ANSI/CAN 60-2020 DRINKING WATER TREATMENT CHEMICALS – HEALTH EFFECTS</a>   <a href="#">7. Chemicals introduced into a potable water supply system shall conform to NSF/ANSI/CAN 60-2020.</a>  <a href="#">7. a. A water supply system shall be protected from backflow when an unlisted chemical is used.</a>  <a href="#">7.b. No water for human use or consumption shall be installed downstream of the point of introduction of an unlisted water treatment chemical.</a>	None	Recommend adoption  NSF-ANSI-CAN 60-2020.pdf
112	Table SPS 381.20-11 4. Wis. Adm. Code 11.  s. SPS 384.20 (5) (r) 8.	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<a href="#">11. NSF/ANSI 62-2020 DRINKING WATER DISTILLATION SYSTEMS</a>   <a href="#">8. Distillation water treatment devices shall conform to NSF/ANSI 62-2020.</a>	None	Recommend adoption  NSF-ANSI 62-2020.pdf



113	<p>Table SPS 381.20-11 4. Wis. Adm. Code 10.</p> <p>s. SPS 384.20 (5) (r) 7., 7.a. and 7.b.</p>	Code Update/reduce alternate approvals/aid compliance	DIS/Glen S.	<p><u>10. NSF/ANSI/CAN 60-2020 DRINKING WATER TREATMENT CHEMICALS – HEALTH EFFECTS</u></p> <p><u>7. Chemicals introduced into a potable water supply system shall conform to NSF/ANSI/CAN 60-2020.</u></p> <p><u>7. a. A water supply system shall be protected from backflow when an unlisted chemical is used.</u></p> <p><u>7.b. No water for human use or consumption shall be installed downstream of the point of introduction of an unlisted water treatment chemical.</u></p> <p>3- Except as specified in subd. 4., water treatment compounds introduced into the water supply system by a water treatment device shall be listed as an acceptable drinking water additive by a listing agency approved by the department. Listing agencies approved by the department shall include:</p> <p>a. United States Environmental Protection Agency; b. United States Food and Drug Administration; and c. National Sanitation Foundation.</p> <p>4- A water supply system shall be protected from backflow when unlisted water treatment compounds, which may affect the potability of the water, are introduced into the system. The department shall determine the method of backflow protection. Water supply outlets for human use or consumption may not be installed downstream of the introduction of an unlisted water treatment compound.</p> <p>5- Water treatment devices designed for contaminated water supplies shall be labeled to identify the following information:</p> <p>a. the name of the manufacturer of the device; b. the device's trade name; and c. the device's model number.</p>	None	<p>Recommend adoption</p>  <p>NSF-ANSI-CAN 60-2020.pdf</p>
114	384.30-11		DIS/Glen S.	<p>SPS 384.11 <b>Device listing.</b> Cross connection control devices and water treatment devices complying with the referenced standard in Table 384.11 shall be listed by a nationally recognized listing agency acceptable to the department. <u>an ANSI accredited, third-party listing agency acceptable to the department.</u></p> <p><b>Note:</b> see ch. <u>SPS 384 appendix</u> for acceptable ANSI accredited, third-party listing agencies acceptable to the department.</p>	None	Recommend adoption
26.	382.33 (9) (a)	SPECIFIC DISCHARGE LANGUAGE	DIS	<p><u>EXISTING:</u> ADDITION TO. (9) INDIRECT WASTE PIPING REQUIRED.</p> <p><u>PROPOSED:</u> (9) Indirect waste shall discharge to an approved receptor. <u>Indirect waste must discharge to an approved receptor. (a) Boilers, pressure tanks, and relief valves.</u></p>		<b>RON</b>

28.	382.33 (9) (g) note	AMEND TERM FROM 'MATERIAL'	DIS	NOTE: SEE CH. SPS 382 APPENDIX FOR FURTHER EXPLANATORY MATERIAL INFORMATION.  DISCUSSION: "MATERIAL" TYPICALLY REFERENCES PLUMBING MATERIAL.	Present to Council for discussion. DPD responsibility?	TO AMEND NOTES THROUGHOUT CODE TO REPLACE 'MATERIAL' WITH 'INFORMATION'
						TONY
29a.	382.34 (TITLE)	REVISE TITLE	DIS	<del>WASTEWATER</del> WATER TREATMENT AND HOLDING DEVICES. (1) SCOPE. THE PROVISIONS OF THIS SECTION SET FORTH THE REQUIREMENTS FOR DESIGN AND INSTALLATION OF PLUMBING <del>WASTEWATER</del> WATER TREATMENT AND HOLDING DEVICES, APPURTENANCES AND SYSTEMS, INCLUDING BUT NOT LIMITED TO INTERCEPTORS, CATCH BASINS, DECONTAMINATION TANKS AND DILUTION AND NEUTRALIZING BASINS.	Title revision.	TONY
30.	382.34 (15) (e) 1.	ORIGINAL IS CONFUSING	DIS	1. A DISCHARGE LINE <del>SERVING</del> SHALL SERVE A CONTAINMENT TANK FOR SERVICING PURPOSES <u>AND</u> SHALL COMPLY WITH ALL OF THE FOLLOWING:		TONY
NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
31.	382.34 (15) (d) <del>1.</del> <u>2.</u>	HOSPITALS NEED TO ACCOUNT FOR ALL WATER.	DIS	(d) <u>SAMPLING PROVISION.</u> 1. CONTAINMENT DEVICES OR TREATMENT SYSTEMS FOR MIXED WASTEWATER, DECONTAMINATION TANKS, AND OTHER SPECIAL WASTEWATER TREATMENT DEVICES SHALL BE EQUIPPED TO ALLOW THE COLLECTION OF A REPRESENTATIVE SAMPLE. 2. <u>WHERE A CONTAINMENT TANK HAS AN OUTLET THAT IS CONNECTED TO A DRAIN SYSTEM, THE OUTLET SHALL INCLUDE A MEANS TO CONTAIN THE WASTEWATER FROM ENTERING THE DRAIN SYSTEM UNTIL PROVEN TO BE SAFE FOR DISCHARGE.</u>  [DPD: RENUMBER (D) TO (D) AND 1. AND CREATE 2.]	Allows an additional option. See highlighted.	TONY

32.	382.34 (3) (e)	SPECIFIC MAINTENANCE FOR GREASE INTERCEPTORS IS NEEDED.	DIS, AMENDED BY PAC	<p><i>MAINTENANCE.</i> ALL DEVICES INSTALLED FOR THE PURPOSE OF INTERCEPTING, SEPARATING, COLLECTING, HOLDING OR TREATING HARMFUL, HAZARDOUS OR DELETERIOUS MATERIALS IN LIQUID OR LIQUID-BORNE WASTES SHALL BE OPERATED AND CLEANED OF INTERCEPTED OR COLLECTED MATERIALS OR OF ANY RESIDUAL FROM TREATMENT AT SUCH INTERVALS WHICH MAY BE REQUIRED TO PREVENT THEIR PASSAGE THROUGH THE INTERCEPTOR. <u>GREASE INTERCEPTORS SHALL BE MAINTAINED ON A CYCLE NOT TO EXCEED 90 DAYS OR PER MANUFACTURER'S INSTRUCTIONS.</u></p>	MORE RESTRICTIVE	<p>REVIEWED – SEE NO ISSUE ADDING LANGUAGE FOR MAINTENANCE.</p> <p>RON</p>
32a.	382.34 (3) (g) 4.	CREATE NEW TO CODIFY COMMON PRACTICE		<p>4. <u>ANCHORING SYSTEM COMPONENTS.</u> AN EXTERIOR SUBSURFACE TREATMENT TANK HOLDING COMPONENT, OR RESERVOIR TO BE INSTALLED IN AN AREA SUBJECT TO SATURATED CONDITIONS, SHALL BE INSTALLED SO AS TO PREVENT FLOTATION OF THE TANK OR COMPONENT.</p> <p><u>IF USING A SUBD. TITLE, ALL SUBDS. MUST HAVE TITLES. EITHER DELETE OR CREATE TITLES FOR OTHER SUBDS. IN THIS SUB.</u></p>		<p>REVIEWED – ADDING A CODE SECTION. CODIFYING A GOOD PRACTICE.</p> <p>RON</p>
37c.	382.35 (3) (e) 2.	RE: FINISHED BASEMENTS	DIS	<p>2. A CLEANOUT IN A DRAIN STACK MAY SERVE AS THE CLEANOUT AT THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER, IF THE STACK IS WITHIN 5 <u>10</u> FEET OF WHERE THE BUILDING DRAIN AND BUILDING SEWER CONNECT.</p>		<p>RON</p>

NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
38 f3.	382.36 (9) (b) 3.	CONFUSING. BOTH INLETS AND OUTLETS ARE APPLICABLE.		<del>'INLET GRATES</del> GRATES'. A. GENERAL. ALL INLETS SHALL BE PROVIDED WITH A WELL-FITTED, REMOVABLE GRATE OF A THICKNESS AND STRENGTH TO SUSTAIN THE ANTICIPATED LOADS.	Language change to include both inlets and outlets	TONY
38j.	382.36 (13) (b)	ADDITIONAL INFORMATION NEEDED TO REVIEW PLANS.	DIS	<p><i>PLAN INFORMATION.</i> AN OPERATION AND MAINTENANCE PLAN AS REQUIRED IN PAR. (A) SHALL INCLUDE AT LEAST ALL OF THE FOLLOWING INFORMATION, APPLICABLE TO THE SYSTEM:</p> <p><u>1c. PRE-CONSTRUCTION RUNOFF VOLUME.</u>  <u>1g. POST-CONSTRUCTION RUNOFF.</u>  <u>1n. INFILTRATION VOLUME.</u>  <u>1r. DETENTION VOLUME.</u></p> <p>RENUMBER FROM 1 TO 1W. ACCUMULATED SOLIDS OR BYPRODUCT REMOVAL REQUIREMENTS.</p> <p>1. IDENTIFICATION OF STANDARDS. [IS THIS BEING CREATED OR USE THE CURRENT 2., WHICH IS WORDED DIFFERENTLY?]</p> <p>DPD: RENUMBER PER DRAFTING RULES.</p>	MINIMAL	RON REVIEWED – SEE NO ISSUES. THIS IS THE INFORMATION THAT IS REQUIRED DURING REVIEW.
45c1.	382.365 (3) (a) <u>2.</u>			<u>2. prior to infiltrating, pretreatment shall be performed for parking lot and new road construction.</u>		TONY
<b>NO.</b>	<b>RULE PROVISION</b>	<b>ISSUE/REASON FOR CHANGE</b>	<b>PROPOSED BY</b>	<b>EXISTING LANGUAGE AND PROPOSED CHANGE</b>	<b>POTENTIAL IMPACT/COST</b>	<b>COMMENTS/STATUS</b>
51 a23.	382.50 (2) (b) 1. <u>b.</u>	create 1. b.	DIS	<p>1. 'SPOUTS'. <u>a.</u> lavatories and sinks accessible to patients shall have the <u>a fixed</u> water supply spout mounted so that its discharge point is a minimum distance of 5" <u>inches</u> above the flood level rim of the fixture.</p> <p><u>b.</u> spouts shall have laminar flow in facilities listed in par. (3) (b).</p>	MINIMAL	BRUCE

51a.	382.50 (2) (b) 2. <u>a. and b.</u>	RENUMBER TO A. AND CREATE B.  (RELATED PROVISION: SEE 51B.)		382.50 (2) (b) 2. 'ACTIONS.' ALL FIXTURES USED BY MEDICAL AND NURSING STAFF, <del>AND ALL LAVATORIES USED BY PATIENTS</del> <u>OR RESIDENTS</u> , AND FOOD HANDLERS SHALL BE EQUIPPED WITH VALVES THAT CAN BE OPERATED WITHOUT THE USE OF HANDS. <u>a. WHERE WRIST BLADE HANDLES ARE USED FOR THIS PURPOSE, THE HANDLES SHALL NOT EXCEED 4 1/2" IN LENGTH, EXCEPT HANDLES ON SCRUB SINKS AND CLINICAL SINKS SHALL BE NO LESS THAN 6" LONG.</u> <u>b. SINGLE LEVER FAUCET HANDLE MAY BE USED IN LIEU OF WRIST BLADES.</u>		BRUCE
51b.	382.50 (2) (b) 2. <u>c.</u>	CREATE C. (RELATED: SEE 51A.) INTENT IS TO CONTROL LEGIONELLA.		<u>c. LAVATORIES WITH SELF-CLOSING FAUCETS ACCESSIBLE TO PATIENTS, THE FLOW OF THE HOT WATER SHALL BE CALCULATED TO EVACUATE THE WATER DISTRIBUTION PIPING FROM THE FAUCET TO THE RECIRCULATED HOT WATER SUPPLY.</u>	MINIMAL	BRUCE
51b1.	382.50 (3) <u>(ag)</u>	CREATE NEW	DIS	<u>(3) (ag) SINKS ACCESSIBLE TO PATIENTS SHALL BE PROVIDED WITH HOT AND COLD WATER.</u> <u>1. HOT WATER SHALL BE INITIATED AND STORED AT A MINIMUM OF 140° DEGREES F.</u> <u>2. THE MAXIMUM TEMPERATURE TO FIXTURE FITTING OUTLETS ACCESSIBLE TO PATIENTS SHALL NOT EXCEED 115°F.</u>  [DPD: RENUMBER CURRENT PAR. (A) TO (AR)]		BRUCE
51c.	382.50 (3) (a) 2.	all services are required as written. without language, hospitals not in compliance	dis	(3) water supply systems. <u>(ar) hospital water supply systems.</u> water supply systems serving hospitals shall comply with all of the following: 1. all hospitals shall be provided with at least 2 water services. whenever more than one water main is available, the connections shall be made to different water mains. 2. each water service connection shall adequately serve the total building water supply demand as specified in s. sps 382.40(7), <u>except for additional services supplying water to additions deemed non-essential as defined in a hospital water management plan.</u>	less restrictive	BRUCE

51e.	382.50(3) (b) 7. <u>b.</u>	Prevent adult day care patients from being burned	DIS	<p>a. <u>A water distribution system may not be designed, installed, or maintained so that the fixture fitting outlets accessible to patients of an <b>adult day care</b> exceeds 115 degrees F.</u></p> <p><b>Note to DPD: Renumber (intro.) to <u>a.</u> in order to create <u>b.</u> (?)</b></p> <p>Adult Day Care certification by DHS.</p>	Minimal	Adult Day Care not listed in (3)(a). <b>BRUCE</b>
51f.	382.50(3) (b) 7. <u>c.</u>  (see also #57a and 51e)	Create new subd.		<p>b. <u>The use of limit stops in faucets <b>or shower/tub mixing valves</b> to achieve a maximum temperature of 115 degrees F is prohibited.</u></p>	Cost-savings for customers. Saves customers the expense of adding thermostatic mixers after they have already purchased limit stop faucets that do not perform	<b>BRUCE</b>
53.	382.50 (3) (b) <u>10.</u>	Issues of bacterial control. CBRFs under DHS rule.  (See related #52, 57b, 57c.)	DIS, amended by PAC	<p>Create 382.50(3) (b) 10. <u>10. Water outlets accessible to patients shall have laminar flow.</u></p>	Major  Healthcare already implementing this per their infection control	<b>BRUCE</b>
54a.	382.50 (3) (b) 4. <u>b.</u>	Create c.  (See related: #54)	DIS	<p><u>b. Control valves shall automatically regulate the temperature of the water supply of the distribution system that exceeds 140 degrees to patient areas.</u></p>	<b>7 TO 15 DEGREE DELTA T, TO MAKE MIXING VALVES OPERATE CORRECTLY</b>	<b>BRUCE</b>

55.	382.50 (3) (b) 5.	Temperature maintenance issues	DIS	Water provided to patient showers, therapeutic equipment, and all types of baths shall be installed with <u>pressure balanced and thermostatically controlled</u> control valves which automatically regulate the temperature of the water supply to the fixture fitting outlet within a temperature range of 110°F to 115°F. Such control valves shall automatically reduce flow to 0.5 gpm or less when the water supply to the fitting outlet exceeds 115°F or when loss of cold water pressure occurs. Discussion: Currently 3 choices. Maintenance challenges to readjust. Not practical. Eliminate pressure balance.	More cost initially, offset w/lower maintenance cost. Reduces staff time.	BRUCE  [Note to DPD: Need to revise appendices accordingly.]
57.	382.50 (3) (b) 8.	Clarification	DIS, amended by PAC	<del>Except as provided in subd. 7., a</del> water distribution system may not be designed, installed, and maintained so that the maximum temperature to fixture fitting outlets exceeds 180°F. The hot water distribution system shall be <u>provided with an automatic control valve to ensure complete shut-down of flow if the temperature exceeds 180 degrees F.</u>  10/10/17 Discussion: Clarify that failsafe needs to be in place. Prevents hot water creep/malfunction.		BRUCE
57a.	382.50 (3) (b) 7. (see also 51e & 51f)		PAC	<del>7. A water distribution system may not be designed, installed and maintained so that the maximum temperature to fixture fitting outlets</del> Water <u>discharged from a fixture fitting outlet</u> accessible to patients may not exceed 115°F.		BRUCE
57c.	382.50 (3) (b) 12.  (See also #23)	(See related: #52, 53, 57b)	DIS	<u>12. Where a dialysis box is installed in a patient room or a patient toilet room, all of the following shall apply:</u> <u>a. The dialysis box shall be lockable.</u> <u>b. Hose threads located within a lockable dialysis box used exclusively for the connection of portable dialysis equipment do not require a cross connection control device.</u> <u>c. A receptor located within a dialysis box shall be sealed when not in use.</u>		BRUCE
57d.	Table 382.50-1 Title	Revise Title in table - 2 <sup>nd</sup> column under heading "Type of Spout"	DIS	<del>Gooseneck or provide a</del> <u>5-inch minimum clearance</u>		BRUCE
57e.	Table 382.50-1	Create new section in table	DIS	<b>Table 382.50 – 1 Spouts and Actions Required in Health Care and Related Facilities</b>		BRUCE.

				Fixture Location	Standard	5-inch Minimum Clearance	Hand	Wrist	Foot, Knee, or Electronic Sensor			
				COMMON AREAS								
				Day rooms		X		X	X			
				Hallways		X		X	X			
				Patient waiting area		X		X	X			
				Vestibule waiting area	X							
57f.	382.51 (2) (e)	Create (e)	DIS	(1) (e) The entire water supply system shall be designed for periodic flushing.							Minimal for "Manufactured homes and manufactured home communities."	TONY

**SPS 384 PLUMBING PRODUCTS**

No.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS						
6D.	384.30 (1)	Revise	DIS/Glen S.	<p>GENERAL. When selecting the material and determining size for a plumbing system, due consideration shall be given to the working pressure and temperature of the system and the waste that will discharge to the plumbing system and to the soil, liquid, and atmospheric environments where the plumbing system will be located.</p> <p>GENERAL. Due consideration shall be given to sizing, working pressure, temperature and material compatibility of a plumbing system with the water and wastewater to be conveyed and the environment in which the plumbing system is installed.</p>								
7.	Tables 384.30-1 384.30-2	Code Update/Reduce Alternate Approvals/Aid Compliance	DIS/Glen S.	<p>Add to tables 384.30-1 &amp; 384.30-2:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Material</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>Stainless Steel</td> <td>ANSI B36.19M; ASTM A269/A269M Rev A-2015 (R2019); ASTM A312/A312M-2019; ASTM A450; ASTM A778/A778M2016 (R2021); AWWA C220</td> </tr> </tbody> </table>	Material	Standard	Stainless Steel	ANSI B36.19M; ASTM A269/A269M Rev A-2015 (R2019); ASTM A312/A312M-2019; ASTM A450; ASTM A778/A778M2016 (R2021); AWWA C220				
Material	Standard											
Stainless Steel	ANSI B36.19M; ASTM A269/A269M Rev A-2015 (R2019); ASTM A312/A312M-2019; ASTM A450; ASTM A778/A778M2016 (R2021); AWWA C220											
7A.	Table 384.30-1	Code Update/Reduce Alternate Approvals/Aid Compliance	DIS/Glen S.	<p style="text-align: center;"><b>Table 384.30-1 ABOVE GROUND DRAIN AND VENT PIPE AND TUBING</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Material</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>Acrylonitrile butadiene styrene (ABS)</td> <td>ASTM D1527; ASTM D2661; ASTM F628; ASTM D2282-99 (R2005)</td> </tr> <tr> <td>Brass</td> <td>ASTM B43</td> </tr> </tbody> </table>	Material	Standard	Acrylonitrile butadiene styrene (ABS)	ASTM D1527; ASTM D2661; ASTM F628; ASTM D2282-99 (R2005)	Brass	ASTM B43		<p>ASTM D2282 has been withdrawn by ASTM without replacement.</p> <p>Except ASTM F2618, all other CPVC standards shown</p>
Material	Standard											
Acrylonitrile butadiene styrene (ABS)	ASTM D1527; ASTM D2661; ASTM F628; ASTM D2282-99 (R2005)											
Brass	ASTM B43											



				<p>Cast iron</p> <p><a href="#">Chlorinated Poly (Vinyl Chloride) (CPVC)<sup>e</sup></a></p> <p>Copper</p> <p><a href="#">Ductile iron</a></p> <p>Galvanized steel</p> <p>Polyvinyl chloride (PVC)</p> <p><a href="#">Stainless steel</a></p> <p>Synthetic rubber hose<sup>a</sup></p> <p><b>Note a:</b> The installation of synthetic rubber hose is limited in use to indirect waste piping or local waste piping from dishwashers in accordance with s. <a href="#">SPS 382.33 (9)(d)</a>.</p> <p><b>Note b:</b> Limited to pipe weight of schedule 40.</p> <p><b>Note c:</b> <del>Plastic pipe and tubing installed underground shall be installed in accordance with ASTM D2774.</del></p>	<p>ASTM A74; ASTM A888; CISPI 301</p> <p>ASTM D2846/D2846M-19a; ASTM; F441/F441M-20; ASTM; F442/F442M-20; ASTM F2618-21</p> <p>ASTM B42; ASTM B88; ASTM B306</p> <p><a href="#">ANSI/AWWA C115/A21.15-20; ANSI/AWWA C151/A21.51-17</a></p> <p>ASTM A53</p> <p>ASTM D2665; ASTM D1785; ASTM F891<sup>b</sup>; <a href="#">ANSI/AWWA C900-16</a></p> <p><a href="#">ANSI/ASME B36.19-76/ANSI/ASME B36.19M 2018; ASTM A269/A269M Rev A-15 (R2019); ASTM A312/A312M-2019; ASTM A450/A450M-18a; ASTM A778/A778M-16 (R2021); ANSI/AWWA C220-17</a></p> <p><del>AHAM DW-1</del> <a href="#">AHAM DW-2-2020</a></p>	<p>are already adopted for water serv/main/distribution</p> <p>All AWWA standards shown are already adopted for water serv/main/distribution</p> <p>Footnote “c” not germane to above ground piping. ASTM D2321 is the correct standard for underground gravity flow piping.</p>
--	--	--	--	---	---	--

7B.	Table 384.30-2	Code Update/Reduce Alternate Approvals/Aid Compliance	DIS/Glen S.	<p align="center"><b>Table 384.30-2 UNDERGROUND DRAIN AND VENT PIPE AND TUBING</b></p> <table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td>Acrylonitrile butadiene styrene (ABS)<sup>d</sup></td> <td>ASTM D1527; ASTM D2661; ASTM F628; <del>ASTM D2282-99 (R2005)</del></td> </tr> <tr> <td>Cast iron</td> <td>ASTM A74; ASTM A888; CISPI 301</td> </tr> <tr> <td><a href="#">Chlorinated Poly (Vinyl Chloride) (CPVC)<sup>d</sup></a></td> <td><a href="#">ASTM D2846/D2846M-19a; ASTM; F441/F441M-20; ASTM; F442/F442M-20; ASTM F2618-21</a></td> </tr> <tr> <td>Copper<sup>a</sup></td> <td>ASTM B42; ASTM B88</td> </tr> <tr> <td><a href="#">Ductile iron</a></td> <td><a href="#">ANSI/AWWA C115/A21.15-20; ANSI/AWWA C151/A21.51-17</a></td> </tr> <tr> <td>Polyvinyl chloride (PVC)<sup>d</sup></td> <td>ASTM D3034<sup>b</sup>; ASTM D2665; ASTM D1785; ASTM F891<sup>c</sup>; <a href="#">ANSI/AWWA C900-16</a></td> </tr> <tr> <td><a href="#">Stainless steel</a></td> <td><a href="#">ANSI/ASME B36.19-76/ANSI/ASME B36.19M 2018; ASTM A269/A269M Rev A-15 (R2019); ASTM A312/A312M-2019; ASTM A450/A450M-18a; ASTM A778/A778M-16 (R2021); ANSI/AWWA C220-17</a></td> </tr> </tbody> </table> <p><b>Note a:</b> Copper tubing, type M, may not be installed underground.</p> <p><b>Note b:</b> Limited to pipe with a SDR of 26 or less.</p> <p><b>Note c:</b> Limited to pipe weight of schedule 40.</p> <p><b>Note d:</b> <a href="#">Thermoplastic sewer pipe shall be installed in accordance with ASTM D2321</a></p> <p><b>Note d:</b> <del>Plastic pipe and tubing installed underground shall be installed in accordance with ASTM D2774.</del></p>	Material	Standard	Acrylonitrile butadiene styrene (ABS) <sup>d</sup>	ASTM D1527; ASTM D2661; ASTM F628; <del>ASTM D2282-99 (R2005)</del>	Cast iron	ASTM A74; ASTM A888; CISPI 301	<a href="#">Chlorinated Poly (Vinyl Chloride) (CPVC)<sup>d</sup></a>	<a href="#">ASTM D2846/D2846M-19a; ASTM; F441/F441M-20; ASTM; F442/F442M-20; ASTM F2618-21</a>	Copper <sup>a</sup>	ASTM B42; ASTM B88	<a href="#">Ductile iron</a>	<a href="#">ANSI/AWWA C115/A21.15-20; ANSI/AWWA C151/A21.51-17</a>	Polyvinyl chloride (PVC) <sup>d</sup>	ASTM D3034 <sup>b</sup> ; ASTM D2665; ASTM D1785; ASTM F891 <sup>c</sup> ; <a href="#">ANSI/AWWA C900-16</a>	<a href="#">Stainless steel</a>	<a href="#">ANSI/ASME B36.19-76/ANSI/ASME B36.19M 2018; ASTM A269/A269M Rev A-15 (R2019); ASTM A312/A312M-2019; ASTM A450/A450M-18a; ASTM A778/A778M-16 (R2021); ANSI/AWWA C220-17</a>	<p>This is a very similar, but not identical, series of changes in the previous item (7A), applied to underground drain &amp; vent pipe &amp; tubing.</p> <p>ASTM D2774 is not germane to gravity flow piping (Table 384.30-5 should indicate this standard, not ASTM D2321)</p>
Material	Standard																				
Acrylonitrile butadiene styrene (ABS) <sup>d</sup>	ASTM D1527; ASTM D2661; ASTM F628; <del>ASTM D2282-99 (R2005)</del>																				
Cast iron	ASTM A74; ASTM A888; CISPI 301																				
<a href="#">Chlorinated Poly (Vinyl Chloride) (CPVC)<sup>d</sup></a>	<a href="#">ASTM D2846/D2846M-19a; ASTM; F441/F441M-20; ASTM; F442/F442M-20; ASTM F2618-21</a>																				
Copper <sup>a</sup>	ASTM B42; ASTM B88																				
<a href="#">Ductile iron</a>	<a href="#">ANSI/AWWA C115/A21.15-20; ANSI/AWWA C151/A21.51-17</a>																				
Polyvinyl chloride (PVC) <sup>d</sup>	ASTM D3034 <sup>b</sup> ; ASTM D2665; ASTM D1785; ASTM F891 <sup>c</sup> ; <a href="#">ANSI/AWWA C900-16</a>																				
<a href="#">Stainless steel</a>	<a href="#">ANSI/ASME B36.19-76/ANSI/ASME B36.19M 2018; ASTM A269/A269M Rev A-15 (R2019); ASTM A312/A312M-2019; ASTM A450/A450M-18a; ASTM A778/A778M-16 (R2021); ANSI/AWWA C220-17</a>																				

7C.	Table 384.30-3	Code Update/Reduce Alternate	DIS/Glen S.	<p align="center"><b>Table 384.30-3 SANITARY BUILDING SEWER PIPE AND TUBING</b></p> <table border="1"> <thead> <tr> <th>Material</th> <th>Standard</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Material	Standard			
Material	Standard								

Approvals/Aid Compliance

Acrylonitrile butadiene styrene (ABS) <sup>a</sup>	ASTM D1527; ASTM D2661; ASTM F628; <a href="#">ASTM D2282-99 (R2005)</a>
Acrylonitrile butadiene styrene (ABS) composite <sup>a</sup>	ASTM D2680
Cast iron	ASTM A74; ASTM A888; CISPI 301
Chlorinated Poly (Vinyl Chloride) (CPVC) <sup>a</sup>	<a href="#">ASTM D2846/D2846M-19a</a> ; <a href="#">ASTM F441/F441M-20</a> ; <a href="#">ASTM F442/F442M-20</a> ; <a href="#">ASTM F2618-21</a>
Concrete	ASTM C14; ASTM C76
Copper <sup>b</sup>	ASTM B42; ASTM B88
Ductile iron	<a href="#">ANSI/AWWA C115/A21.15-20</a> ; <a href="#">ANSI/AWWA C151/A21.51-17</a>
Polyvinyl chloride (PVC) <sup>a</sup>	ASTM D3034; ASTM D2665; ASTM D1785; ASTM F891; <a href="#">ANSI/AWWA C900-16</a>
PVC Corrugated Sewer Pipe with a Smooth Interior and Fittings <sup>a</sup>	ASTM F949
PVC Large-Diameter Plastic Gravity Sewer Pipe and Fittings <sup>a</sup>	ASTM F679
PVC Profile Gravity Sewer Pipe and Fittings Based on Controlled Inside Diameter <sup>a</sup>	ASTM F794
Type PS-46 and Type PS-115 PVC Plastic Gravity Flow Sewer Pipe and Fittings <sup>a</sup>	ASTM F789
Stainless steel	<a href="#">ANSI/ASME B36.19-76/ANSI/ASME B36.19M 2018</a> ; <a href="#">ASTM A269/A269M Rev A-15 (R2019)</a> ; <a href="#">ASTM A312/A312M-2019</a> ; <a href="#">ASTM A450/A450M-18a</a> ; <a href="#">ASTM A778/A778M-16 (R2021)</a> ; <a href="#">ANSI/AWWA C220-17</a>

**Note a:** Thermoplastic sewer pipe shall be installed in accordance with [ASTM D2321](#).  
**Note b:** Copper tubing, type M, may not be installed underground.

7D.

Table 384.30-4

Add standard to table

DIS/Glen S.

**Table 384.30-4  
PERFORATED EFFLUENT DISTRIBUTION PIPING FOR  
NONPRESSURIZED SOIL ABSORPTION SYSTEMS**

Material	Standard
Polyethylene (PE) <sup>a</sup>	ASTM F405; ASTM F810
Polyvinyl chloride (PVC) <sup>a</sup>	ASTM D2729; <a href="#">ASTM D3034</a>

7E.

Table 384.30-5

Revise title, add standards

DIS/Glen S.

**Table 384.30-5  
PRESSURIZED SEWER, DRAIN PIPE, AND TUBING, AND SERVICE SUCTION LINES**

Material	Standard
Chlorinated Poly (Vinyl Chloride) (CPVC) <sup>a</sup>	ASTM D2846; ASTM F441/F441M; ASTM F442/F442M; <a href="#">ASTM F2618</a>

Footnote "a" Table 384.30-5 should indicate ASTM D2774, not ASTM D2321

7G.

384.30 (3) (e) 3.

Revise

DIS/Glen S.

Roof drains shall be sized in accordance with s. SPS 382.36 and the drain outlet shall ~~may~~ not be less than 2 1/2 inches in diameter.

				Roof drains shall be sized in accordance with s. SPS 382.36 and the drain outlet shall <del>may</del> not be less than <u>2 1/2</u> inches in diameter.						
7H.	384.30 (3) (d)	Repeal	DIS/Glen S.	<del>Subsoil drain pipe. Subsoil drains shall be open jointed, horizontally split, or perforated pipe conforming to one of the standards listed in Table 384.30-7.</del>						
7I.	Table 384.30-8	Code Update/Reduce Alternate Approvals/Aid Compliance Revise title, add standards	DIS/Glen S.	<p style="text-align: center;"><b>Table 384.30-8</b> <b>WATER DISTRIBUTION PIPE AND TUBING</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Material</th> <th style="width: 50%;">Standard</th> </tr> </thead> <tbody> <tr> <td>Polyvinyl chloride (PVC)<sup>1</sup></td> <td>ASTM D1785; ASTM D2241; AWWA C900</td> </tr> </tbody> </table> <p><b>Note f:</b> Use is limited to cold water distribution only.</p>	Material	Standard	Polyvinyl chloride (PVC) <sup>1</sup>	ASTM D1785; ASTM D2241; AWWA C900		
Material	Standard									
Polyvinyl chloride (PVC) <sup>1</sup>	ASTM D1785; ASTM D2241; AWWA C900									
7J.	Table 384.30-9	Repeal Table. Polybutylene no longer approved for water distribution.	DIS/Glen S.	<b>Table 384.30-9</b> <b>MINIMUM BENDING RADIUS OF POLYBUTYLENE WATER DISTRIBUTION PIPE AND TUBING</b>						
7M.	384.30 (5) (c) 9. (NOTE)	Repeal Note to recognize the double check as an acceptable cross connection control assembly.	DIS/Glen S.	(c) <u>9. Double check backflow prevention assemblies shall conform to ASSE 1015 or CAN/CSA B64.5.</u> <del>Note: Double check fire protection backflow preventer assemblies are not permitted for cross connection control.</del>						
7O.	<del>384.30 (5) (c) 212.</del>	New language will require all "yard hydrants" to comply with ASSE 1057	DIS	<del>(C) 212. Yard hydrants shall conform to ASSE 1057.</del>		Unnecessary, see item # 106				
7p.	384.30 (5) (d)	<del>This subsection was intended for drainage systems only, but never addressed as such, clears it up.</del>  Self-tapping saddle valves are used to install various water using appliances on the water supply system	DIS/Glen S.	<p>Pipe saddles <u>in drainage systems</u>. Pipe saddles shall be installed in accordance with the instructions of the saddle manufacturer and conform to <del>all of</del> the following limitations:</p> <p>1. Pipe saddles may be installed on private interceptor main sewers, building sewers, underground drain and vent pipe and tubing, and where otherwise approved by the department.</p> <p><b>For the benefit of plumbing code advisory council members, informational only:</b></p> <p>(h) <i>Fittings and connections.</i> The drilling and tapping of water supply piping shall be prohibited except for:</p> <ol style="list-style-type: none"> <li>1. Corporation cocks for a water service or a private water main; and</li> <li>2. Self-tapping valves which serve individual plumbing appliances.</li> </ol>		<u>Self-tapping saddle valves are used to install various water using appliances on the water supply system. See s. SPS 382.40 (8)(h) 2.</u>				

8.	384.30 (6) (b)		DIS/Glen S.	384.30 (6) (b) <i>Traps and fixture drain connection fittings.</i> <u>1.</u> Copper or tubular brass traps and fixture drain connection fittings shall be at least of 20 gage <u>gauge</u> material. <u>2.</u> Plastic tubular traps, continuous wastes, and trap adapters shall comply with s. SPS 384.40 (1) (a).		

DRAFT