



1FGC


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | <input type="checkbox"/> Other _____ | | |
| Revision Section 101.1 Title | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 101.1 Title. 101.1 These regulations shall be known as the Fuel Gas Code of the local jurisdiction hereinafter referred to as "this code." | | | |
| Reason: (attach additional pages if necessary) Historical Amendment. Administrative. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|---|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 103.4 Liability Section 104.8 | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| 104.8 Section 103.4 Liability . The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties. Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical Amendment. Administrative. Removes code officials liability. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

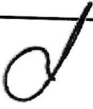
CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | <input type="checkbox"/> Other _____ | | |
| Revision Section 106.6.2 Fee Schedule | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 106.6.2 Fee Schedule. The fees for work shall be as indicated in the schedule as established by the local jurisdiction. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical Amendment. Administrative. establishes fee schedule authority for jurisdiction. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|---|--|---|------------------------|
| Name James Schmidt | | Jurisdiction/Company/Organization North Dakota State Electrical Board | |
| Signature  | | Address 1929 N. Washington St. Ste. A-1 | |
| City Bismarck | | State ND | ZIP Code 58507-7335 |
| Telephone Number (701) 328-9522 | | Email jameschmidt@nd.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input checked="" type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input checked="" type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input checked="" type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input checked="" type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input checked="" type="checkbox"/> 2021 Existing Building Code | |
| <input type="checkbox"/> Other _____ | | | |
| Revision Sections 201.3 | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| 201.3 Where terms are not defined in this code such terms shall have meaning ascribed to them as in other code publications of the International Code Council. <u>Whenever electrical codes are referenced by the International Code Council (ICC) in the International Building Code, International Residential Code, International Mechanical Code, International Fuel Gas Code, International Energy Code, Existing Building Code, it shall mean the most recent versions of the National Electrical Code and the North Dakota State Wiring Standards adopted by the North Dakota State Electrical Board and the most recent versions of the Uniform Plumbing Code and the Laws, Rules and Plumbing Installation Standards of North Dakota adopted by the North Dakota State Plumbing Board.</u> | | | |
| Reason: (attach additional pages if necessary) Existing amendment clarifies references to applicable electrical codes and wiring standards which are adopted by the North Dakota State Electrical Board and to applicable plumbing standards which are adopted by the North Dakota State Plumbing Board. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Figures 304.6.1(1) and 304.6.1(2). | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input checked="" type="checkbox"/> Delete | | | |
| Figure 304.6.1 (1) is hereby deleted in its entirety. Figure 304.6.1 (2) is hereby deleted in its entirety. | | | |
| Reason: (attach additional pages if necessary) Historical Amendment. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)


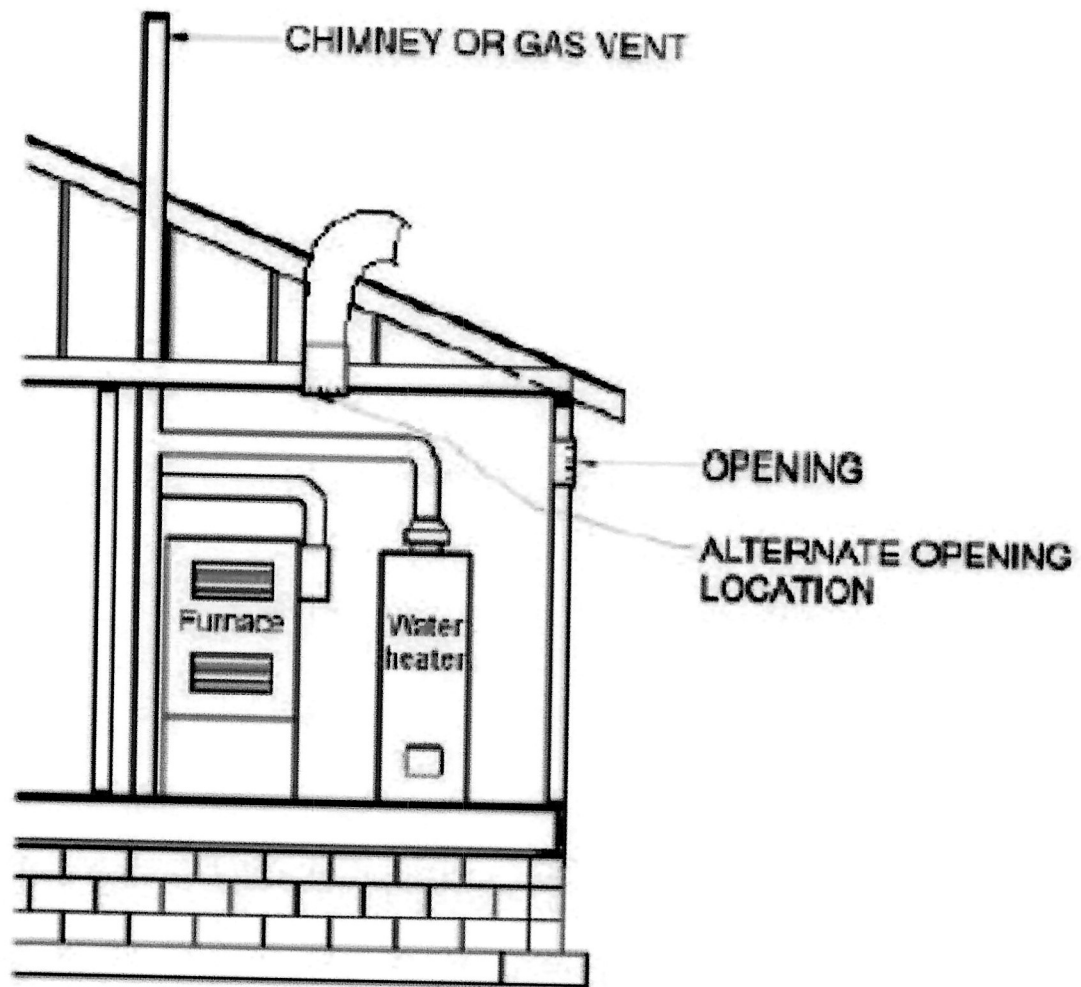
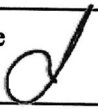
| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> Other _____ | |
| Revision Figure 304.6.2 | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| See attached: | | | |
| Reason: (attach additional pages if necessary) Historical Amendment. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

Figure 304.6.2 is hereby amended as shown below:



CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | <input type="checkbox"/> Other _____ | | |
| Revision Section 304.11 Combustion air ducts | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input checked="" type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 304.11 Combustion air ducts. 5. Ducts shall not terminate in an attic space. | | | |
| Reason: (attach additional pages if necessary) Historical Amendment. Replaces number 5. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (9/18)

| | | | | | | | | | | | | | | | |
|---|--|-----------------------------------|----------|---|---|--|--|---|---|---|---|--|--|--|--------------------------------------|
| Name | | Jurisdiction/Company/Organization | | | | | | | | | | | | | |
| Signature <i>William Chapin</i> | | Address | | | | | | | | | | | | | |
| City | | State | ZIP Code | | | | | | | | | | | | |
| Telephone Number | | Email | | | | | | | | | | | | | |
| <p>Code to be Revised</p> <table border="0"> <tr> <td><input type="checkbox"/> 2015 International Building Code</td> <td><input type="checkbox"/> 2018 International Building Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Residential Code</td> <td><input type="checkbox"/> 2018 International Residential Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Mechanical Code</td> <td><input type="checkbox"/> 2018 International Mechanical Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Fuel Gas Code</td> <td><input type="checkbox"/> 2018 International Fuel Gas Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Energy Conservation Code</td> <td><input type="checkbox"/> 2018 International Energy Conservation Code</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other _____</td> </tr> </table> | | | | <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2015 International Fuel Gas Code | <input type="checkbox"/> 2018 International Fuel Gas Code | <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Fuel Gas Code | <input type="checkbox"/> 2018 International Fuel Gas Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code | | | | | | | | | | | | | | |
| | <input type="checkbox"/> Other _____ | | | | | | | | | | | | | | |
| Revision | | | | | | | | | | | | | | | |
| Check One and Complete (attach additional pages if necessary) | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | | | | | | | | | | | | | |
| Reason: (attach additional pages if necessary) | | | | | | | | | | | | | | | |
| <p>SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496</p> | | | | | | | | | | | | | | | |

Table 402.4 (xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | | |
|-------------------|-----------------|---------|
| | Gas | Natural |
| Inlet Pressure: | Less than 2 psi | |
| Pressure Drop: | 0.5 in. w.c. | |
| Specific Gravity: | 0.60 | |

Pipe Size (in.)

| <u>Nominal:</u> | <u>3/8</u> | <u>1/2</u> | <u>3/4</u> | <u>1</u> |
|--------------------|---|--------------|--------------|--------------|
| <u>Actual ID:</u> | <u>0.472</u> | <u>0.630</u> | <u>0.787</u> | <u>1.024</u> |
| <u>Length (ft)</u> | <u>Capacity in Cubic Feet of Gas per Hour</u> | | | |
| <u>5.0</u> | <u>122</u> | <u>259</u> | <u>465</u> | <u>925</u> |
| <u>10.0</u> | <u>84</u> | <u>178</u> | <u>319</u> | <u>636</u> |
| <u>15.0</u> | <u>67</u> | <u>143</u> | <u>257</u> | <u>511</u> |
| <u>20.0</u> | <u>57</u> | <u>122</u> | <u>220</u> | <u>437</u> |
| <u>25.0</u> | <u>51</u> | <u>108</u> | <u>195</u> | <u>387</u> |
| <u>30.0</u> | <u>46</u> | <u>98</u> | <u>176</u> | <u>351</u> |
| <u>35.0</u> | <u>42</u> | <u>90</u> | <u>162</u> | <u>323</u> |
| <u>40.0</u> | <u>40</u> | <u>84</u> | <u>151</u> | <u>300</u> |
| <u>45.0</u> | <u>37</u> | <u>79</u> | <u>142</u> | <u>282</u> |
| <u>50.0</u> | <u>35</u> | <u>74</u> | <u>134</u> | <u>266</u> |
| <u>55.0</u> | <u>33</u> | <u>71</u> | <u>127</u> | <u>253</u> |
| <u>60.0</u> | <u>32</u> | <u>67</u> | <u>121</u> | <u>241</u> |
| <u>65.0</u> | <u>30</u> | <u>65</u> | <u>116</u> | <u>231</u> |
| <u>70.0</u> | <u>29</u> | <u>62</u> | <u>111</u> | <u>222</u> |
| <u>75.0</u> | <u>28</u> | <u>60</u> | <u>107</u> | <u>214</u> |
| <u>80.0</u> | <u>27</u> | <u>58</u> | <u>104</u> | <u>206</u> |
| <u>85.0</u> | <u>26</u> | <u>56</u> | <u>100</u> | <u>200</u> |
| <u>90.0</u> | <u>25</u> | <u>54</u> | <u>97</u> | <u>194</u> |
| <u>95.0</u> | <u>25</u> | <u>53</u> | <u>95</u> | <u>188</u> |
| <u>100.0</u> | <u>24</u> | <u>51</u> | <u>92</u> | <u>183</u> |
| <u>105.0</u> | <u>23</u> | <u>50</u> | <u>90</u> | <u>178</u> |
| <u>110.0</u> | <u>23</u> | <u>49</u> | <u>87</u> | <u>174</u> |
| <u>115.0</u> | <u>22</u> | <u>47</u> | <u>85</u> | <u>170</u> |
| <u>120.0</u> | <u>22</u> | <u>46</u> | <u>83</u> | <u>166</u> |
| <u>125.0</u> | <u>21</u> | <u>45</u> | <u>81</u> | <u>162</u> |
| <u>130.0</u> | <u>21</u> | <u>44</u> | <u>80</u> | <u>159</u> |
| <u>135.0</u> | <u>20</u> | <u>44</u> | <u>78</u> | <u>156</u> |
| <u>140.0</u> | <u>20</u> | <u>43</u> | <u>77</u> | <u>152</u> |
| <u>145.0</u> | <u>20</u> | <u>42</u> | <u>75</u> | <u>150</u> |
| <u>150.0</u> | <u>19</u> | <u>41</u> | <u>74</u> | <u>147</u> |
| <u>155.0</u> | <u>19</u> | <u>40</u> | <u>73</u> | <u>144</u> |
| <u>160.0</u> | <u>19</u> | <u>40</u> | <u>71</u> | <u>142</u> |

Table 402.4(xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | |
|-------------------|-----------------|
| Gas | Natural |
| Inlet Pressure: | Less than 2 psi |
| Pressure Drop: | 1.0 in. w.c. |
| Specific Gravity: | 0.60 |

Pipe Size (in.)

| Nominal: | 3/8 | 1/2 | 3/4 | 1 |
|--------------------|---|------------|------------|----------|
| Actual ID: | 0.472 | 0.630 | 0.787 | 1.024 |
| Length (ft) | Capacity in Cubic Feet of Gas per Hour | | | |
| 5.0 | 177 | 377 | 676 | 1346 |
| 10.0 | 122 | 259 | 465 | 925 |
| 15.0 | 98 | 208 | 373 | 743 |
| 20.0 | 84 | 178 | 319 | 636 |
| 25.0 | 74 | 158 | 283 | 563 |
| 30.0 | 67 | 143 | 257 | 511 |
| 35.0 | 62 | 131 | 236 | 470 |
| 40.0 | 57 | 122 | 220 | 437 |
| 45.0 | 54 | 115 | 206 | 410 |
| 50.0 | 51 | 108 | 195 | 387 |
| 55.0 | 48 | 103 | 185 | 368 |
| 60.0 | 46 | 98 | 176 | 351 |
| 65.0 | 44 | 94 | 169 | 336 |
| 70.0 | 42 | 90 | 162 | 323 |
| 75.0 | 41 | 87 | 156 | 311 |
| 80.0 | 40 | 84 | 151 | 300 |
| 85.0 | 38 | 81 | 146 | 291 |
| 90.0 | 37 | 79 | 142 | 282 |
| 95.0 | 36 | 77 | 138 | 274 |
| 100.0 | 35 | 74 | 134 | 266 |
| 105.0 | 34 | 73 | 130 | 259 |
| 110.0 | 33 | 71 | 127 | 253 |
| 115.0 | 32 | 69 | 124 | 247 |
| 120.0 | 32 | 67 | 121 | 241 |
| 125.0 | 31 | 66 | 119 | 236 |
| 130.0 | 30 | 65 | 116 | 231 |
| 135.0 | 30 | 63 | 114 | 226 |
| 140.0 | 29 | 62 | 111 | 222 |
| 145.0 | 29 | 61 | 109 | 218 |
| 150.0 | 28 | 60 | 107 | 214 |
| 155.0 | 28 | 59 | 106 | 210 |
| 160.0 | 27 | 58 | 104 | 206 |

Table 402.4(xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | |
|--------------------------|------------------------|
| <u>Gas</u> | <u>Natural</u> |
| <u>Inlet Pressure:</u> | <u>Less than 2 psi</u> |
| <u>Pressure Drop:</u> | <u>3.0 in. w.c.</u> |
| <u>Specific Gravity:</u> | <u>0.60</u> |

Pipe Size (in.)

| <u>Nominal:</u> | <u>3/8</u> | <u>1/2</u> | <u>3/4</u> | <u>1</u> |
|--------------------|---|--------------|--------------|--------------|
| <u>Actual ID:</u> | <u>0.472</u> | <u>0.630</u> | <u>0.787</u> | <u>1.024</u> |
| <u>Length (ft)</u> | <u>Capacity in Cubic Feet of Gas per Hour</u> | | | |
| <u>5.0</u> | <u>1124</u> | <u>2390</u> | <u>4292</u> | <u>8541</u> |
| <u>10.0</u> | <u>772</u> | <u>1643</u> | <u>2950</u> | <u>5870</u> |
| <u>15.0</u> | <u>620</u> | <u>1319</u> | <u>2369</u> | <u>4714</u> |
| <u>20.0</u> | <u>531</u> | <u>1129</u> | <u>2027</u> | <u>4034</u> |
| <u>25.0</u> | <u>471</u> | <u>1001</u> | <u>1797</u> | <u>3576</u> |
| <u>30.0</u> | <u>426</u> | <u>907</u> | <u>1628</u> | <u>3240</u> |
| <u>35.0</u> | <u>392</u> | <u>834</u> | <u>1498</u> | <u>2981</u> |
| <u>40.0</u> | <u>365</u> | <u>776</u> | <u>1393</u> | <u>2773</u> |
| <u>45.0</u> | <u>342</u> | <u>728</u> | <u>1307</u> | <u>2602</u> |
| <u>50.0</u> | <u>323</u> | <u>688</u> | <u>1235</u> | <u>2458</u> |
| <u>55.0</u> | <u>307</u> | <u>653</u> | <u>1173</u> | <u>2334</u> |
| <u>60.0</u> | <u>293</u> | <u>623</u> | <u>1119</u> | <u>2227</u> |
| <u>65.0</u> | <u>281</u> | <u>597</u> | <u>1071</u> | <u>2132</u> |
| <u>70.0</u> | <u>270</u> | <u>573</u> | <u>1029</u> | <u>2049</u> |
| <u>75.0</u> | <u>260</u> | <u>552</u> | <u>992</u> | <u>1974</u> |
| <u>80.0</u> | <u>251</u> | <u>533</u> | <u>958</u> | <u>1906</u> |
| <u>85.0</u> | <u>243</u> | <u>516</u> | <u>927</u> | <u>1844</u> |
| <u>90.0</u> | <u>235</u> | <u>500</u> | <u>899</u> | <u>1788</u> |
| <u>95.0</u> | <u>229</u> | <u>486</u> | <u>873</u> | <u>1737</u> |
| <u>100.0</u> | <u>222</u> | <u>473</u> | <u>849</u> | <u>1689</u> |
| <u>105.0</u> | <u>216</u> | <u>460</u> | <u>827</u> | <u>1645</u> |
| <u>110.0</u> | <u>211</u> | <u>449</u> | <u>806</u> | <u>1604</u> |
| <u>115.0</u> | <u>206</u> | <u>438</u> | <u>787</u> | <u>1566</u> |
| <u>120.0</u> | <u>201</u> | <u>428</u> | <u>769</u> | <u>1530</u> |
| <u>125.0</u> | <u>197</u> | <u>419</u> | <u>752</u> | <u>1497</u> |
| <u>130.0</u> | <u>193</u> | <u>410</u> | <u>736</u> | <u>1466</u> |
| <u>135.0</u> | <u>189</u> | <u>402</u> | <u>722</u> | <u>1436</u> |
| <u>140.0</u> | <u>185</u> | <u>394</u> | <u>707</u> | <u>1408</u> |
| <u>145.0</u> | <u>182</u> | <u>387</u> | <u>694</u> | <u>1381</u> |
| <u>150.0</u> | <u>178</u> | <u>380</u> | <u>682</u> | <u>1356</u> |
| <u>155.0</u> | <u>175</u> | <u>373</u> | <u>670</u> | <u>1333</u> |
| <u>160.0</u> | <u>172</u> | <u>367</u> | <u>658</u> | <u>1310</u> |

Table 402.4(xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | |
|-------------------|-----------------|
| Gas | Propane |
| Inlet Pressure: | Less than 2 psi |
| Pressure Drop: | 0.5 in. w.c. |
| Specific Gravity: | 1 |

Pipe Size (in.)

| <u>Nominal:</u> | <u>3/8</u> | <u>1/2</u> | <u>3/4</u> | <u>1</u> |
|--------------------|---|--------------|--------------|--------------|
| <u>Actual ID:</u> | <u>0.472</u> | <u>0.630</u> | <u>0.787</u> | <u>1.024</u> |
| <u>Length (ft)</u> | <u>Capacity in Cubic Feet of Gas per Hour</u> | | | |
| <u>5.0</u> | <u>83</u> | <u>176</u> | <u>316</u> | <u>628</u> |
| <u>10.0</u> | <u>57</u> | <u>121</u> | <u>217</u> | <u>432</u> |
| <u>15.0</u> | <u>46</u> | <u>97</u> | <u>174</u> | <u>347</u> |
| <u>20.0</u> | <u>39</u> | <u>83</u> | <u>149</u> | <u>297</u> |
| <u>25.0</u> | <u>35</u> | <u>74</u> | <u>132</u> | <u>263</u> |
| <u>30.0</u> | <u>31</u> | <u>67</u> | <u>120</u> | <u>238</u> |
| <u>35.0</u> | <u>29</u> | <u>61</u> | <u>110</u> | <u>219</u> |
| <u>40.0</u> | <u>27</u> | <u>57</u> | <u>102</u> | <u>204</u> |
| <u>45.0</u> | <u>25</u> | <u>54</u> | <u>96</u> | <u>191</u> |
| <u>50.0</u> | <u>24</u> | <u>51</u> | <u>91</u> | <u>181</u> |
| <u>55.0</u> | <u>23</u> | <u>48</u> | <u>86</u> | <u>172</u> |
| <u>60.0</u> | <u>22</u> | <u>46</u> | <u>82</u> | <u>164</u> |
| <u>65.0</u> | <u>21</u> | <u>44</u> | <u>79</u> | <u>157</u> |
| <u>70.0</u> | <u>20</u> | <u>42</u> | <u>76</u> | <u>151</u> |
| <u>75.0</u> | <u>19</u> | <u>41</u> | <u>73</u> | <u>145</u> |
| <u>80.0</u> | <u>18</u> | <u>39</u> | <u>70</u> | <u>140</u> |
| <u>85.0</u> | <u>18</u> | <u>38</u> | <u>68</u> | <u>136</u> |
| <u>90.0</u> | <u>17</u> | <u>37</u> | <u>66</u> | <u>132</u> |
| <u>95.0</u> | <u>17</u> | <u>36</u> | <u>64</u> | <u>128</u> |
| <u>100.0</u> | <u>16</u> | <u>35</u> | <u>62</u> | <u>124</u> |
| <u>105.0</u> | <u>16</u> | <u>34</u> | <u>61</u> | <u>121</u> |
| <u>110.0</u> | <u>16</u> | <u>33</u> | <u>59</u> | <u>118</u> |
| <u>115.0</u> | <u>15</u> | <u>32</u> | <u>58</u> | <u>115</u> |
| <u>120.0</u> | <u>15</u> | <u>31</u> | <u>57</u> | <u>113</u> |
| <u>125.0</u> | <u>14</u> | <u>31</u> | <u>55</u> | <u>110</u> |
| <u>130.0</u> | <u>14</u> | <u>30</u> | <u>54</u> | <u>108</u> |
| <u>135.0</u> | <u>14</u> | <u>30</u> | <u>53</u> | <u>106</u> |
| <u>140.0</u> | <u>14</u> | <u>29</u> | <u>52</u> | <u>104</u> |
| <u>145.0</u> | <u>13</u> | <u>28</u> | <u>51</u> | <u>102</u> |
| <u>150.0</u> | <u>13</u> | <u>28</u> | <u>50</u> | <u>100</u> |
| <u>155.0</u> | <u>13</u> | <u>27</u> | <u>49</u> | <u>98</u> |
| <u>160.0</u> | <u>13</u> | <u>27</u> | <u>48</u> | <u>96</u> |

Table 402.4(xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | |
|-------------------|-----------------|
| Gas | Propane |
| Inlet Pressure: | Less than 2 psi |
| Pressure Drop: | 1.0 in. w.c. |
| Specific Gravity: | 1 |

Pipe Size (in.)

| <u>Nominal:</u> | <u>3/8</u> | <u>1/2</u> | <u>3/4</u> | <u>1</u> |
|--------------------|---|--------------|--------------|--------------|
| <u>Actual ID:</u> | <u>0.472</u> | <u>0.630</u> | <u>0.787</u> | <u>1.024</u> |
| <u>Length (ft)</u> | <u>Capacity in Cubic Feet of Gas per Hour</u> | | | |
| <u>5.0</u> | <u>120</u> | <u>256</u> | <u>459</u> | <u>914</u> |
| <u>10.0</u> | <u>83</u> | <u>176</u> | <u>316</u> | <u>628</u> |
| <u>15.0</u> | <u>66</u> | <u>141</u> | <u>253</u> | <u>504</u> |
| <u>20.0</u> | <u>57</u> | <u>121</u> | <u>217</u> | <u>432</u> |
| <u>25.0</u> | <u>50</u> | <u>107</u> | <u>192</u> | <u>383</u> |
| <u>30.0</u> | <u>46</u> | <u>97</u> | <u>174</u> | <u>347</u> |
| <u>35.0</u> | <u>42</u> | <u>89</u> | <u>160</u> | <u>319</u> |
| <u>40.0</u> | <u>39</u> | <u>83</u> | <u>149</u> | <u>297</u> |
| <u>45.0</u> | <u>37</u> | <u>78</u> | <u>140</u> | <u>278</u> |
| <u>50.0</u> | <u>35</u> | <u>74</u> | <u>132</u> | <u>263</u> |
| <u>55.0</u> | <u>33</u> | <u>70</u> | <u>126</u> | <u>250</u> |
| <u>60.0</u> | <u>31</u> | <u>67</u> | <u>120</u> | <u>238</u> |
| <u>65.0</u> | <u>30</u> | <u>64</u> | <u>115</u> | <u>228</u> |
| <u>70.0</u> | <u>29</u> | <u>61</u> | <u>110</u> | <u>219</u> |
| <u>75.0</u> | <u>28</u> | <u>59</u> | <u>106</u> | <u>211</u> |
| <u>80.0</u> | <u>27</u> | <u>57</u> | <u>102</u> | <u>204</u> |
| <u>85.0</u> | <u>26</u> | <u>55</u> | <u>99</u> | <u>197</u> |
| <u>90.0</u> | <u>25</u> | <u>54</u> | <u>96</u> | <u>191</u> |
| <u>95.0</u> | <u>24</u> | <u>52</u> | <u>93</u> | <u>186</u> |
| <u>100.0</u> | <u>24</u> | <u>51</u> | <u>91</u> | <u>181</u> |
| <u>105.0</u> | <u>23</u> | <u>49</u> | <u>88</u> | <u>176</u> |
| <u>110.0</u> | <u>23</u> | <u>48</u> | <u>86</u> | <u>172</u> |
| <u>115.0</u> | <u>22</u> | <u>47</u> | <u>84</u> | <u>168</u> |
| <u>120.0</u> | <u>22</u> | <u>46</u> | <u>82</u> | <u>164</u> |
| <u>125.0</u> | <u>21</u> | <u>45</u> | <u>80</u> | <u>160</u> |
| <u>130.0</u> | <u>21</u> | <u>44</u> | <u>79</u> | <u>157</u> |
| <u>135.0</u> | <u>20</u> | <u>43</u> | <u>77</u> | <u>154</u> |
| <u>140.0</u> | <u>20</u> | <u>42</u> | <u>76</u> | <u>151</u> |
| <u>145.0</u> | <u>19</u> | <u>41</u> | <u>74</u> | <u>148</u> |
| <u>150.0</u> | <u>19</u> | <u>41</u> | <u>73</u> | <u>145</u> |
| <u>155.0</u> | <u>19</u> | <u>40</u> | <u>72</u> | <u>143</u> |
| <u>160.0</u> | <u>18</u> | <u>39</u> | <u>70</u> | <u>140</u> |

Table 402.4(xx) Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) Composite Pipe

| | |
|-------------------|-----------------|
| Gas | Propane |
| Inlet Pressure: | Less than 2 psi |
| Pressure Drop: | 3.0 in. w.c. |
| Specific Gravity: | 1 |

Pipe Size (in.)

| Nominal: | 3/8 | 1/2 | 3/4 | 1 |
|--------------------|---|------------|------------|----------|
| Actual ID: | 0.472 | 0.630 | 0.787 | 1.024 |
| Length (ft) | Capacity in Cubic Feet of Gas per Hour | | | |
| 5.0 | 760 | 1616 | 2901 | 5774 |
| 10.0 | 522 | 1111 | 1994 | 3969 |
| 15.0 | 419 | 892 | 1601 | 3187 |
| 20.0 | 359 | 763 | 1371 | 2728 |
| 25.0 | 318 | 677 | 1215 | 2417 |
| 30.0 | 288 | 613 | 1101 | 2190 |
| 35.0 | 265 | 564 | 1013 | 2015 |
| 40.0 | 247 | 525 | 942 | 1875 |
| 45.0 | 231 | 492 | 884 | 1759 |
| 50.0 | 219 | 465 | 835 | 1661 |
| 55.0 | 208 | 442 | 793 | 1578 |
| 60.0 | 198 | 421 | 756 | 1505 |
| 65.0 | 190 | 403 | 724 | 1442 |
| 70.0 | 182 | 388 | 696 | 1385 |
| 75.0 | 176 | 373 | 670 | 1334 |
| 80.0 | 170 | 361 | 647 | 1288 |
| 85.0 | 164 | 349 | 627 | 1247 |
| 90.0 | 159 | 338 | 607 | 1209 |
| 95.0 | 154 | 329 | 590 | 1174 |
| 100.0 | 150 | 320 | 574 | 1142 |
| 105.0 | 146 | 311 | 559 | 1112 |
| 110.0 | 143 | 304 | 545 | 1085 |
| 115.0 | 139 | 296 | 532 | 1059 |
| 120.0 | 136 | 290 | 520 | 1035 |
| 125.0 | 133 | 283 | 509 | 1012 |
| 130.0 | 130 | 277 | 498 | 991 |
| 135.0 | 128 | 272 | 488 | 971 |
| 140.0 | 125 | 266 | 478 | 952 |
| 145.0 | 123 | 261 | 469 | 934 |
| 150.0 | 121 | 257 | 461 | 917 |
| 155.0 | 119 | 252 | 453 | 901 |
| 160.0 | 117 | 248 | 445 | 886 |

403.6 Plastic pipe, tubing and fittings. Polyethylene plastic pipe, tubing and fittings used to supply fuel gas shall conform to ASTM D2513. Such pipe shall be marked "Gas" and "ASTM D2513".

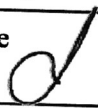
Polyamide pipe, tubing and fittings used to supply fuel gas shall conform to ASTM F2945. Such pipe shall be marked "Gas" and "ASTM F2945".

Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) composite pipe, tubing and fittings used to supply and or distribute fuel gas shall conform to ASTM F1281. Such pipe shall be marked "Gas" and "ASTM F1281".

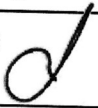
Polyvinyl chloride (PVC) and chlorinated polyvinyl chloride (CPVC) plastic pipe, tubing and fittings shall not be used to supply fuel gas.

***Reason:** PEX-AL-PEX has been used for gas distribution for over 15 years under numerous ISO, EU, and Australian standards. ASTM F1281 was first published in the year 2000 and includes allowance for use with gases that are compatible with the pipe and fittings.*

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 403.10.1.1 Pipe joints (2021 IFGC section 403.9.1.1) | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input type="checkbox"/> Revise as follows: <input checked="" type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 403.10.1.1 Pipe joints. Gas supply systems with pressures 5 psig or greater and gas pipe joints 2 ½ inches or larger, regardless of pressure, shall be welded. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical amendment. Adds the requirement for welding pipe 2 ½ inches or larger. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| <input type="checkbox"/> Other _____ | | | |
| Revision Section 403.10.5 Metallic fittings (2021 IFGC section 403.9.5) | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 403.10.5 ⁹ Metallic fittings. 1. Threaded fittings in sizes 2 ½ inches or larger shall not be used except where approved. | | | |
| Reason: (attach additional pages if necessary) Historical amendment. Changes regulations from 4 inches to 2 ½ inches. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (9/18)

| | | | | |
|--|---|----------|---|---|
| Name | Jurisdiction/Company/Organization | | | |
| Signature <i>William Chapin</i> | Address | | | |
| City | State | ZIP Code | | |
| Telephone Number | Email | | | |
| <p>Code to be Revised</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> 2015 International Building Code <input type="checkbox"/> 2015 International Residential Code <input type="checkbox"/> 2015 International Mechanical Code <input type="checkbox"/> 2015 International Fuel Gas Code <input type="checkbox"/> 2015 International Energy Conservation Code </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> 2018 International Building Code <input type="checkbox"/> 2018 International Residential Code <input type="checkbox"/> 2018 International Mechanical Code <input type="checkbox"/> 2018 International Fuel Gas Code <input type="checkbox"/> 2018 International Energy Conservation Code <input type="checkbox"/> Other _____ </td> </tr> </table> | | | <input type="checkbox"/> 2015 International Building Code <input type="checkbox"/> 2015 International Residential Code <input type="checkbox"/> 2015 International Mechanical Code <input type="checkbox"/> 2015 International Fuel Gas Code <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Building Code <input type="checkbox"/> 2018 International Residential Code <input type="checkbox"/> 2018 International Mechanical Code <input type="checkbox"/> 2018 International Fuel Gas Code <input type="checkbox"/> 2018 International Energy Conservation Code <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 2015 International Building Code <input type="checkbox"/> 2015 International Residential Code <input type="checkbox"/> 2015 International Mechanical Code <input type="checkbox"/> 2015 International Fuel Gas Code <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Building Code <input type="checkbox"/> 2018 International Residential Code <input type="checkbox"/> 2018 International Mechanical Code <input type="checkbox"/> 2018 International Fuel Gas Code <input type="checkbox"/> 2018 International Energy Conservation Code <input type="checkbox"/> Other _____ | | | |
| Revision 403.13 -- -- | | | | |
| Check One and Complete (attach additional pages if necessary) | | | | |
| <input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | | |
| | | | | |
| Reason: (attach additional pages if necessary) | | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | | |

403.13 (New Section) Composite Pipe.

Pipe and tubing shall not be used with gases corrosive with the pipe and tubing.

403.13.1 PEX-AL-PEX Crosslinked PEX-Aluminum-PEX (PEX-AL-PEX) composite pipe and fittings used to supply and or distribute fuel gas shall conform to ISO 17484-1. Such pipe shall be marked "Gas" and "ISO 17484" PEX-AL-PEX shall be used indoors or underground when installed in accordance the condition of their listing and the manufacturer's installation instructions

403.13.2 Design and installation. Piping shall be supported with pipe hooks, straps, bands, hangers or building structural components suitable for the size of the piping, of adequate strength and quality and located at intervals to prevent or damp out excessive vibration. Piping shall be anchored to prevent undue strains on connected appliances and shall not be supported by other piping. Supports, hangers and anchors shall be installed to not interfere with the free expansion and contraction of piping between the anchors.

403.13.3 Pipe Bends.

Composite pipe bends shall comply with the following:

1. The pipe shall not be damaged and the internal diameter of the pipe shall not be effectively reduced.
2. Joints shall not be located in pipe bends.
3. The radius of the inner curve of such bends shall be to the limits of the manufacturer's instructions.
4. Where the piping manufacturer specifies the use of special bending tools or procedures, such tools or procedures shall be used


403.13.4 Workmanship and defects

Pipe tubing and fittings shall be clear and free from burrs and defects in structure and be properly reamed

403.13.5 Fittings

Fittings for PEX-AL-PEX gas systems shall be listed to ISO 17484-1 for the piping system being installed or repaired.

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | <input type="checkbox"/> 2021 International Building Code <input type="checkbox"/> 2021 International Residential Code <input type="checkbox"/> 2021 International Mechanical Code <input checked="" type="checkbox"/> 2021 International Fuel Gas Code <input type="checkbox"/> 2021 International Energy Conservation Code <input type="checkbox"/> 2021 Existing Building Code <input type="checkbox"/> Other _____ | |
| <input type="checkbox"/> 2018 International Building Code <input type="checkbox"/> 2018 International Residential Code <input type="checkbox"/> 2018 International Mechanical Code <input type="checkbox"/> 2018 International Fuel Gas Code <input type="checkbox"/> 2018 International Energy Conservation Code <input type="checkbox"/> 2018 Existing Building Code | | | |
| Revision Section 403.3 Other materials 403.14 | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input type="checkbox"/> Revise as follows: <input checked="" type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 403.3 Other materials. Material not covered by the standards specifications listed herein shall be investigated and tested to determine that it is safe and suitable for the proposed service, and, in addition, shall be recommended for that service by the manufacturer and shall be approved by the code official. Listed LPG hose may be used with natural gas when used for temporary heating at a maximum length of 50 feet. 403.14 | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical Amendment. Section 403.3 has been deleted form the current code addition. This would keep the section as it has been in the previous ND state code and revert all sections that have had a number change because of the deletion back to the previous number system. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (9/18)

| | | | | | | | | | | | | | | | |
|---|--|-----------------------------------|----------|---|---|--|--|---|---|---|---|--|--|--|--------------------------------------|
| Name | | Jurisdiction/Company/Organization | | | | | | | | | | | | | |
| Signature <i>William Chapin</i> | | Address | | | | | | | | | | | | | |
| City | | State | ZIP Code | | | | | | | | | | | | |
| Telephone Number | | Email | | | | | | | | | | | | | |
| <p>Code to be Revised</p> <table border="0"> <tr> <td><input type="checkbox"/> 2015 International Building Code</td> <td><input type="checkbox"/> 2018 International Building Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Residential Code</td> <td><input type="checkbox"/> 2018 International Residential Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Mechanical Code</td> <td><input type="checkbox"/> 2018 International Mechanical Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Fuel Gas Code</td> <td><input type="checkbox"/> 2018 International Fuel Gas Code</td> </tr> <tr> <td><input type="checkbox"/> 2015 International Energy Conservation Code</td> <td><input type="checkbox"/> 2018 International Energy Conservation Code</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other _____</td> </tr> </table> | | | | <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2015 International Fuel Gas Code | <input type="checkbox"/> 2018 International Fuel Gas Code | <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Fuel Gas Code | <input type="checkbox"/> 2018 International Fuel Gas Code | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code | | | | | | | | | | | | | | |
| | <input type="checkbox"/> Other _____ | | | | | | | | | | | | | | |
| Revision | | | | | | | | | | | | | | | |
| Check One and Complete (attach additional pages if necessary) | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | | | | | | | | | | | | | |
| Reason: (attach additional pages if necessary) | | | | | | | | | | | | | | | |
| <p>SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496</p> | | | | | | | | | | | | | | | |


404.5 Fittings in concealed locations. Fittings installed in concealed locations shall be limited to the following types:

1. Threaded elbows, tees, and couplings.
2. Brazed Fittings
3. Welded Fittings
4. Fittings listed to ANSI LC-1/CSA 6.26 or ANSI LC-4.
5. Fittings listed to be used with PEX-AL-PEX piping systems.


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | |
|---|--|-------------------|
| Name City of Fargo | Jurisdiction/Company/Organization Fargo | |
| Signature  | Address 225 4th St N | |
| City Fargo ND | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | |
| <input type="checkbox"/> Other _____ | | |
| Revision Section 406.4 Test pressure measurement | | |
| Check One and Complete (attach additional pages if necessary) | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | |
| Section 406.4 Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Dial gauges used to measure test pressures shall be performed with gauges of 2 psi increments or less and have a range not exceeding 100 psi unless otherwise approved. | | |
| Reason: (attach additional pages if necessary) | | |
| Historical amendment. Sets requirements for test pressure measurement using a dial gauge. | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | |


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | |
|---|--|-------------------|
| Name City of Fargo | Jurisdiction/Company/Organization Fargo | |
| Signature  | Address 225 4th St N | |
| City Fargo ND | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | |
| <input type="checkbox"/> Other _____ | | |
| Revision Section 406.4.1 Test pressure | | |
| Check One and Complete (attach additional pages if necessary) | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | |
| Section 406.4.1 Test pressure. The test pressure to be used shall be no less than 1 1/2 times the proposed maximum working pressure, but not less than 25 psig irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe. | | |
| Reason: (attach additional pages if necessary) | | |
| Historical amendment. Sets requirements for test pressure from 3 to 25 psig. | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | |


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|---|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 408.2 Drips | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 408.2 Drips. Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical amendment. Removes "A drip shall be provided at the outlet of the meter and shall be installed so as to constitute a trap wherein an accumulation of condensate will shut off the flow of gas before the condensate will run back into the meter." | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | <input type="checkbox"/> Other _____ | | |
| Revision Section 411.2 Manufactured home connections | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 411.2 Manufactured home connections. Manufactured homes shall be connected to the distribution piping system by listed and labeled connectors in compliance with ANSI Z21.75/CSA 6.27 and installed in accordance with the manufacturer's installation instructions. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical amendment. Removes numbers 1 and 2 and establishes the only way for connections. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (10/21)

| | | |
|--|--|-------------------|
| Name City of Fargo | Jurisdiction/Company/Organization Fargo | |
| Signature  | Address 225 4th St N | |
| City Fargo ND | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | Email SOuradnik@FargoND.gov | |

Code to be Revised

| | |
|--|--|
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code |
| | <input type="checkbox"/> Other _____ |

Revision
 Section 415.1 Interval of support.

Check One and Complete (attach additional pages if necessary)

Revise as follows: Add as follows: Delete and substitute as follows: Delete

Section 415.1 Interval of support. Piping shall be supported at intervals not exceeding the spacing specified in Table 415.1. Spacing of supports for CSST shall be in accordance with the CSST manufacturer's instructions. In addition to the requirements of Table 415.1, piping and tubing shall be supported within 2 feet of every bend or angle.

Reason: (attach additional pages if necessary)

Historical amendment. Adds the support requirement for within 2 feet of every bend or angle.

SEND TO:
 Department of Commerce
 Division of Community Service
 PO Box 2057
 Bismarck, ND 58502-2057
 (701) 665-4496

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (9/18)

| | | |
|------------------------------------|--|-------------------|
| Name William Chapin | Jurisdiction/Company/Organization Professional Code Consulting, LLC for Ferguson ENT. | |
| Signature | Address PO Box 1338 | |
| City Cullman | State AL | ZIP Code 35056 |
| Telephone Number (256) 339-0385 | Email bill@profcc.us | |

Code to be Revised

| | |
|--|--|
| <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code |
| <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code |
| <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code |
| <input type="checkbox"/> 2015 International Fuel Gas Code | <input checked="" type="checkbox"/> 2018 International Fuel Gas Code |
| <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code |
| | <input type="checkbox"/> Other _____ |

Revision
 Revise Section 415.1 as follows.

Check One and Complete (attach additional pages if necessary)

Revise as follows: Add as follows: Delete and substitute as follows: Delete

See attached page.

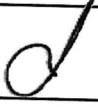
Reason: (attach additional pages if necessary)
 Like CSST, PEX-AL-PEX is lighter, more flexible, and has specific requirements to allow for normal expansion and contraction. Therefore, the manufacturer should specify the spacing requirements based on their pipe design.

SEND TO:
 Department of Commerce
 Division of Community Service
 PO Box 2057
 Bismarck, ND 58502-2057
 (701) 665-4496


415.1 Interval of support. Piping shall be supported and intervals not exceeding the spacing specified in Table 415.1. Spacing of supports for CSST and PEX-AL-PEX shall be in accordance with the CSST manufacturer's instructions.

Rationale: Like CSST, PEX-AL-PEX is lighter, more flexible, and has specific requirements to allow for normal expansion and contraction. Therefore, the manufacturer should specify the spacing requirements based on their pipe design.


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 501.12 Residential and low-heat appliances flue lining systems | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 501.12 Residential and low-heat appliances flue lining systems. Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following: | | | |
| 1. Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with the International Building Code. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical amendment. Adds requirements "when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h.", "Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick to 8 inches diameter.", "Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches diameter or not less than 24 gauge (0.024 inches thick) 8 inches diameter and larger." and "When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner." | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |


CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | <input type="checkbox"/> 2021 International Building Code | | |
| <input type="checkbox"/> 2018 International Residential Code | <input type="checkbox"/> 2021 International Residential Code | | |
| <input type="checkbox"/> 2018 International Mechanical Code | <input type="checkbox"/> 2021 International Mechanical Code | | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | <input type="checkbox"/> 2021 International Energy Conservation Code | | |
| <input type="checkbox"/> 2018 Existing Building Code | <input type="checkbox"/> 2021 Existing Building Code | | |
| <input type="checkbox"/> Other _____ | | | |
| Revision Section 503.5.3 Masonry chimneys | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 503.5.3 Masonry chimneys shall be built and installed in accordance with NFPA 211 and shall be lined as per Section 501.12. | | | |
| Reason: (attach additional pages if necessary) Historical amendment. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|---|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 503.5.6.1 Chimney lining | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 503.5.6.1 Chimneys shall be lined in accordance with NFPA 211 and Section 501.12. Exception: Where an existing chimney complies with Sections 503.5.6 through 503.5.6.3 and its sizing is in accordance with Section 503.5.5, its continued use shall be allowed when, in more than one appliance venting system the secondary appliance, such as a water heater, is replaced and the primary heating appliance remains. | | | |
| Reason: (attach additional pages if necessary) Historical amendment. Adds section 501.12 and the exception. | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
 SFN 50180 (10/21)

| | | | |
|--|--|--|-------------------|
| Name City of Fargo | | Jurisdiction/Company/Organization Fargo | |
| Signature  | | Address 225 4th St N | |
| City Fargo ND | | State ND | ZIP Code 58102 |
| Telephone Number (701) 476-4147 | | Email SOuradnik@FargoND.gov | |
| Code to be Revised | | | |
| <input type="checkbox"/> 2018 International Building Code | | <input type="checkbox"/> 2021 International Building Code | |
| <input type="checkbox"/> 2018 International Residential Code | | <input type="checkbox"/> 2021 International Residential Code | |
| <input type="checkbox"/> 2018 International Mechanical Code | | <input type="checkbox"/> 2021 International Mechanical Code | |
| <input type="checkbox"/> 2018 International Fuel Gas Code | | <input checked="" type="checkbox"/> 2021 International Fuel Gas Code | |
| <input type="checkbox"/> 2018 International Energy Conservation Code | | <input type="checkbox"/> 2021 International Energy Conservation Code | |
| <input type="checkbox"/> 2018 Existing Building Code | | <input type="checkbox"/> 2021 Existing Building Code | |
| | | <input type="checkbox"/> Other _____ | |
| Revision Section 614.9.2 Duct installation | | | |
| Check One and Complete (attach additional pages if necessary) | | | |
| <input checked="" type="checkbox"/> Revise as follows: <input type="checkbox"/> Add as follows: <input type="checkbox"/> Delete and substitute as follows: <input type="checkbox"/> Delete | | | |
| Section 614.9.2 Duct installation. Exhaust ducts shall be supported at 4-foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws. Where dryer exhaust ducts are enclosed in wall or ceiling cavities, such cavities shall allow the installation of the duct without deformation. | | | |
| Reason: (attach additional pages if necessary) | | | |
| Historical amendment. Removes "or similar fasteners that protrude more than 1/8 inch (3.2 mm) into the inside of the duct." | | | |
| SEND TO: Department of Commerce Division of Community Service PO Box 2057 Bismarck, ND 58502-2057 (701) 665-4496 | | | |

CODE AMENDMENT SUBMITTAL
ND DIVISION OF COMMUNITY SERVICES
SFN 50180 (9/18)

| | | |
|------------------------------------|--|-------------------|
| Name William Chapin | Jurisdiction/Company/Organization Professional Code Consulting, LLC for Ferguson ENT. | |
| Signature | Address PO Box 1338 | |
| City Cullman | State AL | ZIP Code 35056 |
| Telephone Number (256) 339-0385 | Email bill@profcc.us | |

Code to be Revised

| | |
|--|--|
| <input type="checkbox"/> 2015 International Building Code | <input type="checkbox"/> 2018 International Building Code |
| <input type="checkbox"/> 2015 International Residential Code | <input type="checkbox"/> 2018 International Residential Code |
| <input type="checkbox"/> 2015 International Mechanical Code | <input type="checkbox"/> 2018 International Mechanical Code |
| <input type="checkbox"/> 2015 International Fuel Gas Code | <input checked="" type="checkbox"/> 2018 International Fuel Gas Code |
| <input type="checkbox"/> 2015 International Energy Conservation Code | <input type="checkbox"/> 2018 International Energy Conservation Code |
| | <input type="checkbox"/> Other _____ |

Revision
Add new standard to Chapter 8

Check One and Complete (attach additional pages if necessary)

Revise as follows: Add as follows: Delete and substitute as follows: Delete

ASTM F1281-17 Standard Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe

Reason: (attach additional pages if necessary)
Including new standard as referenced in the revised Section 403.6

SEND TO:
 Department of Commerce
 Division of Community Service
 PO Box 2057
 Bismarck, ND 58502-2057
 (701) 665-4496