

# Summary of Modifications/Changes in this Update

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U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

## DATE OF THIS VERSION (new)

November 1, 2016

## TITLE OF DOCUMENT (new title if applicable):

Hydronic Piping, 23 21 13

## DATE OF VERSION BEING SUPERSEDED (old):

May 1, 2010

## DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Hydronic Piping, 23 21 13

## SUMMARY OF CHANGES IN THIS VERSION:

1. Par 1.1.A. Deleted "Chilled water, heating hot water, water-cooled chiller, condenser water". Added "ground source" and "for HVAC Systems".
2. Par. 1.2. Added Sections 01 00 01, 01 00 02, 01 81 13, 01 91 00, 01 42 19, 23 05 93, 23 05 41, 23 08 00. Deleted 23 23 00, 23 21 13 Underground chilled water piping.
3. Various sentences were revised from passive sense to imperative sense.
4. Par 1.4.E. Deleted "Chilled water, heating hot water, water-cooled chiller, condenser water". Added "ground source".
5. Par 1.5.B Deleted B16.1-2005, B16.14, B16.22, B16.23, B16.18, A181/A181M, A243/A234M, B32, B61, C177, C552, D3350, C591, D1784, D1785, D2241, D2464, D3139, F439, F441/F441M, F477, A5.8/A5.8M, 4013-3939, SP-71, SP-72, SP-78
6. Par 2.2.A Deleted "Chilled water, heating hot water, water-cooled chiller, condenser water". Added "ground source".
7. Par 2.2.B Deleted Solar Hot Water piping
8. Par 2.5.C Added Dielectric material to be compatible with hydronic medium.
9. Par 2.8 Deleted.
10. Par 2.11.C.5 and D.5. changed B31.1 to B31.9.
11. Par 2.16.E Added scale range.

12. Spec Writer Note for Par 2.18, deleted "chilled water piping"
13. Par 3.1.A, deleted "unitary" and added "hydronic" to radiators.
14. Par 3.2.A changed B31.1 to B31.9 and deleted "..AND STEAM GENERATION"
15. Par 3.2.C added "//Do not use mechanical joints for piping inside walls or areas where service access is inaccessible//."
16. Par 3.6.A.1 and Par 3.7.D. changed "RE" to "COTR"
17. Par 3.8 added double slashes to make par an option