

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.

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

DATE OF THIS VERSION (new)

August 1, 2017

TITLE OF DOCUMENT (new title if applicable):

23 21 13-Hydronic Piping

DATE OF VERSION BEING SUPERSEDED (old):

September 1, 2012

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

23 21 13-Hydronic Piping

SUMMARY OF CHANGES IN THIS VERSION:

1. Par 1.1.A.2. Added "for HVAC systems"
2. Added Par 1.1.B. "A complete listing of all acronyms and abbreviations are included in //Section 23 05 10, COMMON WORK RESULTS FOR BOILER PLANT AND STEAM GENERATION// //and in// //Section 23 05 11, COMMON WORK RESULTS FOR HVAC//."
3. Par 1.2. Added
 - Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS
 - Section 01 91 00, GENERAL COMMISSIONING REQUIREMENTS
 - Section 11 41 21, WALK-IN COOLERS AND FREEZERS
 - Section 22 05 33, HEAT TRACING FOR PLUMBING PIPING
 - Section 23 05 10, COMMON WORK RESULTS FOR BOILER PLANT AND STEAM GENERATION
 - Section 23 05 41, NOISE AND VIBRATION CONTROL FOR HVAC PIPING AND EQUIPMENT
 - Section 23 08 00, COMMISSIONING OF HVAC

Section 23 09 23 DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC
Section 23 22 13, STEAM AND CONDENSATE HEATING PIPING

4. Par 1.2. Deleted
 - Section 03 30 00 Cast in Place Concrete
 - Section 07 12 00 Built up Bituminous Waterproofing
 - Section 07 13 52 Modified Bituminous Sheet Waterproofing
 - Section 33 10 00 Water Utilities
5. Relocated Par 1.3 Applicable Publications
6. Par 1.3 Added Spec Writer note.
7. Par 1.3 Updated publications, deleted some.
8. Par 1.4 Submittals. Added verbiage on the number of copies, compliance, and manufacturer's literature, materials of construction, O&M manuals, Completed System Readiness checklist, training plans and instructor qualifications, Bio-Based Materials, etc.
9. General: Put metric units ahead of English units.
10. Added Par 1.6 As-built Documentation.
11. General: Inserted metric versions of referenced standards.
12. Par 2.2.B. Deleted "and All Solar Hot Water"
13. Par 2.3.B. Deleted "Contractor's option: Grooved mechanical couplings and fittings are optional"
14. Deleted Par 2.3.D.
15. Par 2.6.C. Added "Dielectric gasket material shall be compatible with hydronic medium."
16. Par 2.8 Deleted Designer Note
17. 2.8.D.2.c.3 references "Contractor's Choice" have been removed. Added designer note regarding use Ball or Butterfly valve in lieu of Gate Valve.
18. General: Deleted Grooved or Mechanical coupling connections and fittings
19. Par 2.13.A.4. Revised ASME reference to BPVC Section VIII
20. Par 2.13.C. Added "pre-piped and pre-wired"
21. Par 2.13.E, F, G, I Revised ASME reference to BPVC Section VIII.
22. Par 2.13.J Added "on drawings"
23. Par 2.13.K Added Spec Writer notes and Buffer Tank
24. Par 2.16.B. Deleted P" PETE'S 500 XL is an example"
25. Par 2.17.E. Corrected HW scale range.

26. Par 2.19.A, E.4 NEC changed to NFPA 70
27. Added Par 3.1.A. Added "If an installation is unsatisfactory to the COR, the Contractor shall correct the installation at no additional cost or time to the Government"
28. General" Changed Resident Engineer to COR
29. Added Par 3.9, 3.10, 3.11