

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 22 13-STEAM AND CONDESATE PIPING

DATE OF VERSION BEING SUPERSEDED (old):

February 1, 2015

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

23 22 13-STEAM AND CONDENSATE PIPING

SUMMARY OF CHANGES IN THIS VERSION:

1. Added Par 1.1.C. "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//."
2. Par 1.2. Added
 - Section 01 00 00, GENERAL REQUIREMENTS
 - Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS
 - Section 01 91 00, GENERAL COMMISSIONING REQUIREMENTS
 - Section 09 91 00, PAINTING
 - Section 23 05 10, COMMON WORK RESULTS FOR BOILER PLANT AND STEAM GENERATION
 - Section 23 05 93, TESTING, ADJUSTING, AND BALANCING FOR HVAC
 - Section 23 08 00, COMMISSIONING OF HVAC
 - Section 23 22 13, STEAM AND CONDENSATE HEATING PIPING

3. Relocated Par 1.3 Applicable Publications.
4. Par 1.3 Added Spec Writer note.
5. Par 1.3 Updated publications, deleted some.
6. 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.
7. General: Put metric units ahead of English units.
8. Added Par 1.6 As-built Documentation.
9. General: Inserted metric versions of referenced standards.
10. Par 2.2.B. also General: Deleted all copper pipe and fitting references.
11. Changed Par 2.10.K.6 from NEMA 1 to NEMA 4 enclosure.
12. Par 2.11.B. Added "pre-piped and pre-wired" and "or skid".
13. Par 2.11.C.3 Added "deviation from set point". Change "capability" to "capacity".
14. Par 2.11.C.5 Updated Designer Note.
15. Par 2.11.C.6 Deleted Designer Note and revised par to eliminate pneumatic and apply to DDC PRV valves only.
16. Par 2.11.D. Revised ASME reference to BPVC Section VIII and added "Valve shall have stainless steel seats and trim."
17. Par 2.11.E. Added "percent above".
18. Par 2.11.G.2 Added "The use of 4 bolt raised face flange is required. The use of unions are unacceptable for steam trap maintenance."
19. Added Par 2.11.G.8.
20. Par 2.11.J Revised Designer Note and added "steam to steam".
21. Par 2.11.J.1. Added "Any make-up water to these units shall be less than 1 ppm hardness. A dual tower water softener with brine tank and automatic regeneration shall be provided, if necessary".
22. Par 2.12.C Revised table of pressure ranges.
23. General" Changed Resident Engineer to COR.
24. Part 3 Added Spec Writer Note.
25. 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".

26. Par 3.4. Added Spec Writer Note.
27. Par 3.7.A Revised to read” Steam, Condensate and Vent Piping: The piping system shall be flushed clean prior to equipment connection. Cleaning includes pulling all strainer screens and cleaning all scale/dirt legs during startup operation. Contractor shall be responsible for damage caused by inadequately cleaned/flushed systems.”
28. Added Par 3.8, 3.9, 3.10, 3.11.