

ENGINEERING STANDARDS UPDATE

Standards are serious business, but this newsletter isn't.

Topics this month:

- **Online National Standards Updates**
- **Engineers Week**
- **LANL Standards Issued in January**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

The Standards Homepage: <http://engstandards.lanl.gov/>

ONLINE NATIONAL STANDARDS UPDATES

Some notable IHS [subscription](#) news:

- The NIBS National CAD Standard (NCS) is now on IHS (thanks to Carol Hoover at the Research Library), and v6.0 is just out. The NCS is the basis for the Drafting Manual. Search "NCS". POC: Scott Richardson, 606-0596.
- ASME B31.3-2014 Process Piping is out, with the official date of issuance February 27, 2015. While most Standards not invoked by a code are effective when issued, the ESM policy on code adoption is "it depends." In this case, ESM Ch 1 Z10 says ASME codes become effective 6 months after the date of issuance, thus August 27. Contact POC A. Ben Swartz, 606-2279, with questions.

Remember, IHS is one-at-a-time access; please logout (upper right button) after downloading either of these documents.



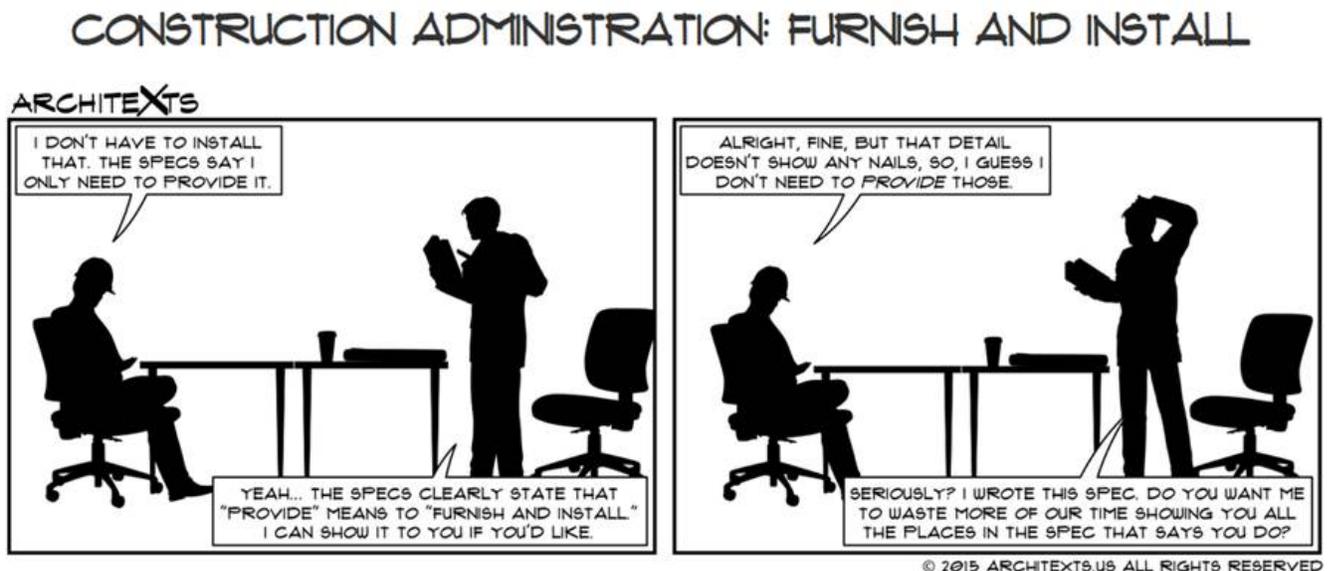
From the Associate Director for Engineering Sciences:

ADE invites LANL employees and students to join in celebrating Engineers Week 2015. This year's Engineers Week theme, *Engineering New Horizons*, promotes the curiosity and inventiveness of engineers, engineering students and technicians and the diversity of the roles they play: designer, maker, inventor, developer, problem solver, and creator. All of these play a part in making the world a better place.

Activities in celebration of Engineers Week will be held at the J. Robert Oppenheimer Study Center on **Wednesday, February 25 from 1:00 pm – 4:00 pm**. The keynote address will be given by Dr. Clifford Whitcomb, Chair for the Department of Systems Engineering, Naval Postgraduate School, Monterey, California, at 1:00 pm. The talk is entitled *Design Thinking* and will be followed by an Engineering Showcase featuring posters from recent R&D engineering projects from 2:15 pm until 4:00 pm. Light refreshments will be served during the poster session.

Plan to stop by and learn more about the field of engineering at LANL, our engineering resources, capabilities, and the wide spectrum of R&D Engineering activities conducted in support of the Laboratory, the DOE complex, and the nation.

In addition to the LANL event above, the **ABQ Chapter of the New Mexico Society of Professional Engineers** has their main event on Friday, February 27. It includes a highly sought ethics course by a long-time instructor. Info [here](#).



Here at LANL, if design folks stay awake in my standards class they'll know to include Master Spec Section 01 4200 References like they're supposed to. This way, the construction contract will include the definition of "provide" -- and ensure that LANL is covered for the issue in the first panel above. For the second panel, the IBC covers many nailing issues, but where it doesn't the Drawings or Specifications must.

LANL STANDARDS ISSUED IN JANUARY

Eng Standards Manual [STD-342-100](#)

Chapter 17 – Pressure Safety

Added reference under ASME: [Allowed Unlisted Components Listing per ADMIN-2, Article Z -- Unlisted, Specialty, or Unique Components, para 2](#) (xls)

Master Specifications [STD-342-200](#)

03 3021 R0 Reinforced Concrete - High Confidence

NEW!!! For ML-1/2 concrete. Thanks to Jeremy Nowell, POC Glen Pappas, etc.

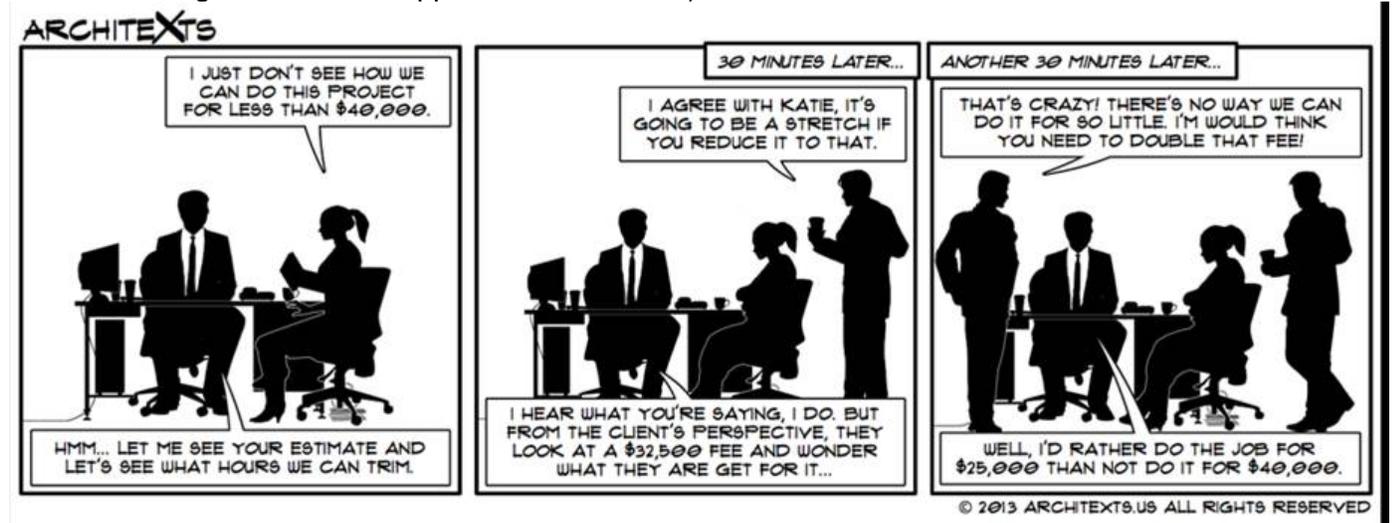
DOE TECHNICAL STANDARDS ACTIONS

DOE Tech [Stds](#) activity last month:

[DOE-HDBK-1081-2014](#) Primer on Spontaneous Heating and Pyrophoricity (supersedes 1994 edition). Purpose: “Provide an understanding of spontaneous heating and pyrophoricity hazards is necessary for DOE facility personnel to operate and maintain facilities and facility support systems in a safe manner.”

WHEN GOOD CONDUCT OF ENGINEERING ISN'T FOLLOWED

This low-balling would never happen here at LANL ;-)



LAST MONTH'S UPDATE TOPICS

Miss an issue? The archive is at "Monthly Update" on the Standards homepage. Last month's topics:

- **Training on Standards This Month**
- **Electrical Standards Course Feb 3**
- **Standards Variance Process Changes**
- **Programmatic/R&D Work in Nuclear Facilities**
- **Gurinder Update**
- **Adhesive Anchor Use**
- **LANL Standards Issued in December**
- **DOE Technical Standards Actions**
- **When Good Conduct of Engineering Isn't Followed**

To request a change to this newsletter's distribution, please contact me.
The views expressed in this email are not necessarily those of my employer.

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