

EXAMPLE OF WELL WRITTEN INTERPRETATION REQUESTS:

Question: If the designer performs a finite element method evaluation of an unlisted component that is accepted by the owner in accordance with para. 300(c)(3), is the designer required to perform the calculation to be substantiated in accordance with para. 304.7.2?

Reply: No.

Question: Section I has design rules for straight tubes and pipes, but no specific rules for the design of tubes or pipes with bends. Shall PG-16.1 be used for the design of tubes or pipes with bends?

Reply: Yes.

Question: Does NCA-2142 require the Owner or his designee to identify the loadings and combination of loadings to be considered in the Design Specification?

Reply: Yes.

Question: Paragraph 321.3 Structural Attachments states "External and internal attachments to piping shall be designed"; does this mean that piping support elements must be designed in accordance with 304.7.2 if the items are not listed?

Reply: No.

Question: Is it permissible to be solely software dependent for the stop switch in inspection controls (6.1.6.3.15) while the escalator is stopped to prevent the escalator from starting?

Reply: No.

Question: Is it possible to calculate the total heat transferred using the measured enthalpy h_4 (function of the measured p_4 and t_4) instead of h_4^* ?

Reply: No

EXAMPLE OF POORLY WRITTEN INTERPRETATION REQUESTS:

BASED ON THE REQUEST TYPE, THE INQUIRER MAY BE ASKED TO RE-SUBMIT THEIR INTERPRETATION FORMATTED IN ACCORDANCE WITH THE GUIDELINES.

CONSULTING REQUEST:

Many clients have requested the material of SA-352 Grade LCC, but it is not specified in Table UCS-23, Sect. VIII-Div.1.

It would be most grateful, if you'd let us know the reason why the SA-352 Grade. LCC is not defined in Table UCS-23.

It is written in the Code Case N-755-2 (-2310) that any indentation more than 10% of t_{fab} min shall be unacceptable. Does the length of the defect have an impact on the integrity of the pipe?

There is no recommendation in Code Case N-755-2 concerning flanged connections to metallic pipe. Does the presence of HDPE flange adapter have an impact in the design rules of the flanged connections?

Concerning the longitudinal stress design (-3223), does the vertical soil pressure due to earth load and surcharge load have to be taken into account in this calculation?

Can we use short term elasticity modulus value when a short load, such as an impact, is applied to a HDPE buried pipe system?

Is the Miner's rule applicable to HDPE piping system?

When determining the resultant range of moments for a tee header, should the summation of moments from the header legs occur prior to ranging of different load conditions?

In the case that question above is no, should the ranging of load condition be performed prior to finding the run moment components?

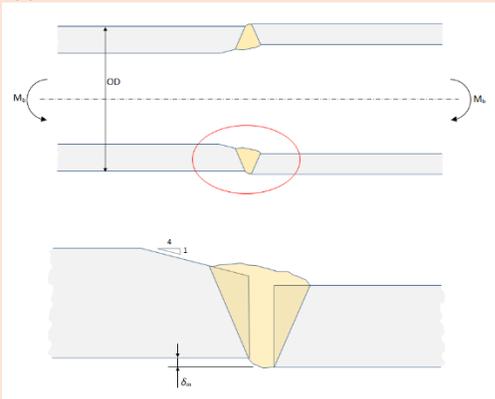
Should an earthquake be regarded as a service cycle composing a number of stress cycles when doing the Step 1 of NB 3222.4(e)(5)?

May SA 299 Grade A supplied to current Edition of Section II A of the Code be used for manufacture and supply of supports to Code Edition 1978 without any limitations ?

There is no requirement for the test number of friction test in the paragraph of CC-3542.(b). Should only one time of friction test be enough for the multi-containment building with the same containment design and tendon system?

How can I determine the SIF for a weld between pipes of different wall thicknesses, as shown in the figure below? i.e. where the thicker pipe has been tapered on the inside to match the thickness of the thinner pipe, and where there is a misalignment δ_m between the pipes.

ASME B31.8-2014, Section A842.2.2 (Design Against Yielding) refers to Mandatory Appendix E (Flexibility and Stress Intensification Factors) for application of SIFs, but this particular weld type is not included.



CONTRACTUAL ISSUE

When impact testing is not required by other Sections of the Code, but the customer specification specifies impact test requirements for materials, is welding procedure required to be qualified with impact testing?

INDEFINITE QUESTION

12-1750 (p1vii): allow overpressure by system design in air, water, and steam service
UG-140/(b)/(1): a pressure vessel may be protected from overpressure by system design if the vessel is not exclusively in air, water, or steam service