

LAR-72 proposed changes and supporting engineering documentation:

- **Connection between Faceplate and Base Concrete** – Allows for flexibility in attaching modules to the base concrete.
 - **APP-CA05-S3C-001**- CA05 Connection Design: Module Wall to Reinforced Concrete
 - **Background/Purpose:** This calculation designs the CA05 module wall-to-basemat, module wall to reinforced concrete (SC – RC), and module wall to module wall (CA01 to CA05) connections.
- **Structural Module Faceplate Thickness** - Allows variations in the faceplate thickness from 0.75" to 1.5" for localized stresses.
 - **APP-CA05-S2C-002** – Modifications of CA05 Module Wall for Transition in Thickness
 - **Background/Purpose:** This calculation note is focused on the transition in thickness of the Sub-Module CA05_02 and to provide vertical and horizontal continuity between two CA05 walls with different thickness
- **Structural Module Faceplate Spacing** – Allows variations in the face plate spacing from 1'-6" to 4'-6".
 - **APP-CA01-S3C-009** - Qualification of Concrete Filled Module Wall CA01 Submodules 36, 42 and 43
 - **Background/Purpose:** The purpose of this calculation note is to qualify submodules 36, 42, and 43 of CA01 concrete filled walls under various load combinations
- **Backup Reinforcement** – Allows addition of Steel Plates, Structural Shapes, Reinforcement Bars, or Tie Bars Between the Faceplates
 - **APP-CA05-S2C-002** - Modifications of CA05 Module Wall for Transition in Thickness
 - **Background/Purpose:** This calculation note is focused on the transition in thickness of the Sub-Module CA05_02 and to provide vertical and horizontal continuity between two CA05 walls with different thickness

Overall Module Design Methodology Document:

- **APP-GW-SUP-001** - Design Methodology for Structural Modules
 - **Background/Purpose:** This document describes the methods and procedures for design of the structural (CA Type) and form modules (CB Type) used in the containment internal structures, passive containment cooling water storage (PCS) tank and in the auxiliary building of the AP1000 Nuclear Island