

Model 2: Local model of equipment hatch

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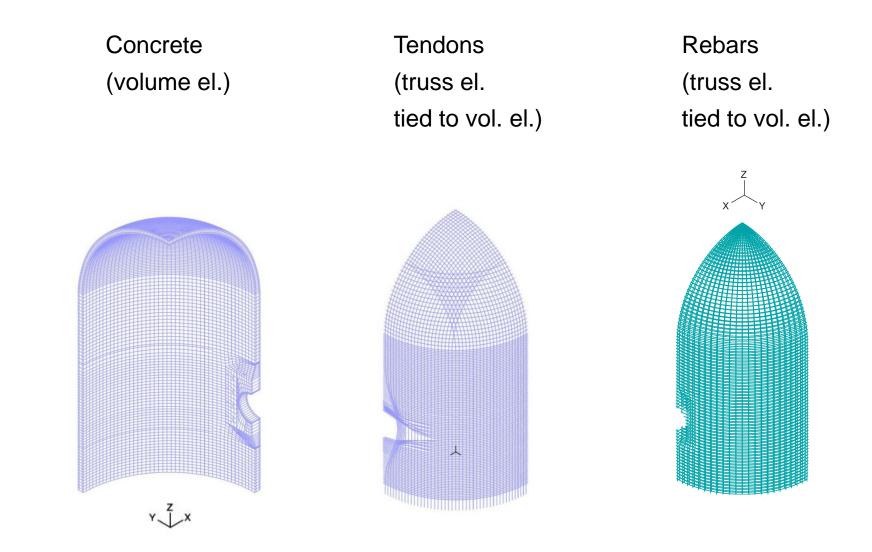


Model 2 - Overview

- Simulation performed with ADINA 8.7.1
- Model developed within an internal research project
 - 90 degrees of circumference including half of E/H
 - Tendons and rebars rigidly tied to concrete volume elements
 - Tendons A and B combined to one line of truss elements
 - Multiple rebars/stirrups combined to one line of truss elements
 - Liner rigidly tied to inner surface of concrete volume elements



Finite element model





Finite element model

Materials:

- bilinear stress-strain relation for rebar, tendon steel
- multi-linear stress-strain relation for liner steel
- ADINA concrete model (smeared crack, strain softening)

