

JUDAH KEY-LOCK® Concealed Ceiling System Seismic Design Form

Date

Contractor Name

Project Name

Project Stage

Building Data

Country

Location

Building Importance Level ☐ 2 ☐ 3 ☐ 4

Note: For USA, importance Level 5 buildings require a specific design. Contact your Judah Technical Representative for details.

Site Sub-Soil Class

- ☐ A/Ae (Strong Rock)
- ☐ B/Be (Rock)
- ☐ C/Ce (Shallow Soil - Most Conservative)
- ☐ D/De (Deep or Soft Soil)
- ☐ E/Ee (Very Soft Soil)

Imposed Load

Lining Type

Number of Layers ☐ 1 ☐ 2 ☐ 3

Insulation kg/m²

Other kg/m²

Total Lining Weight kg/m²

Service Load Data

Service Load [U] kg/m²
(min 3.0 kg/m²)

KEY-LOCK® Installation Details

127 TCR Spacing [A] ☐ 0.900m ☐ 1.200m
☐ 1.500m ☐ 1.800m

129 FC Spacing [B] ☐ 0.450m ☐ 0.600m

127 TCR Span [C] ☐ 0.900m ☐ 1.200m
☐ 1.500m

Geometry Data

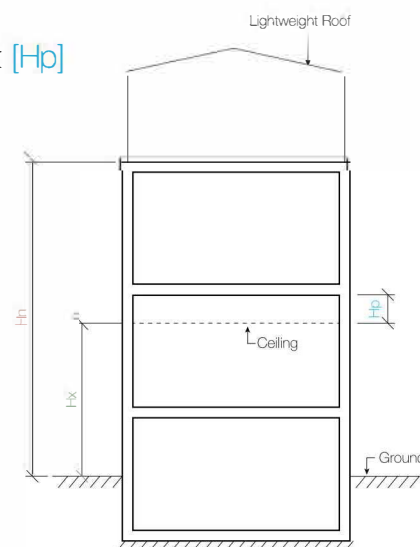
Total Height of Structure [Hn] m

Height of Ceiling Above Base [Hx] m

Ceiling Angle [a] °

Max Plenum Height [Hp]

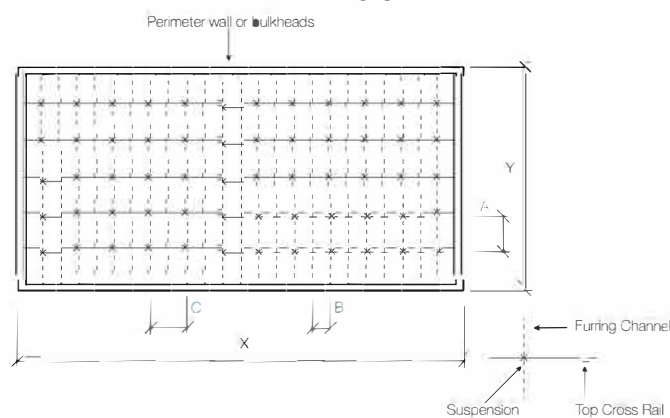
- ☐ 0.600m
- ☐ 1.000m
- ☐ 1.400m
- ☐ 1.800m
- ☐ 2.400m



Room Dimensions

Width Parallel to TCRs [X] m

Width Parallel to 129 FCs [Y] m



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Please email the completed form to your Judah Technical Representative or info@judah-group.com