

# SKYRAIL

## COMMERCIAL BUILDINGS

### Skyrail

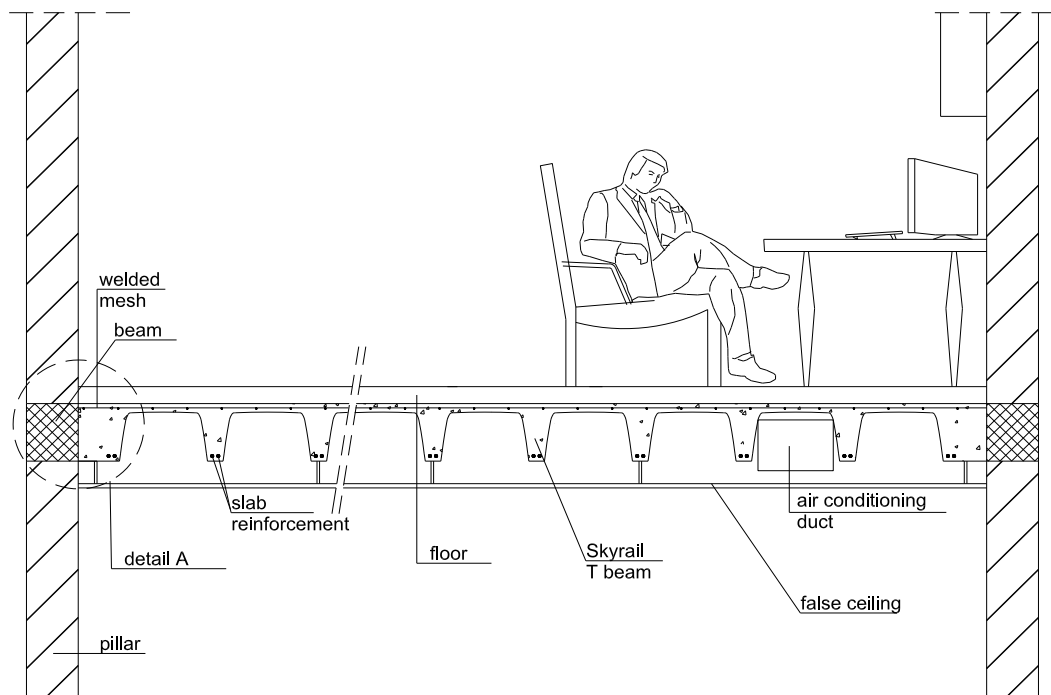
The one-way ribbed slab formed with SKYRAIL has many structural advantages, with increased dynamic and static performance of the structure thanks to the reduced self weight and the arc-formed ribbing.

The elimination of the filler material (ceramic, concrete, polystyrene or else) leaves a channel that can be used for the passage of tubes and systems.

The installation of a false ceiling makes the ribbed slab particularly suitable for use in commercial buildings open to the public.

### Advantages

- Reduction of the slab's self weight
- Better seismic behaviour
- Decreased load on the foundation
- Reduced size of beams and columns
- Creation of one-way ribbing with variable cross-section

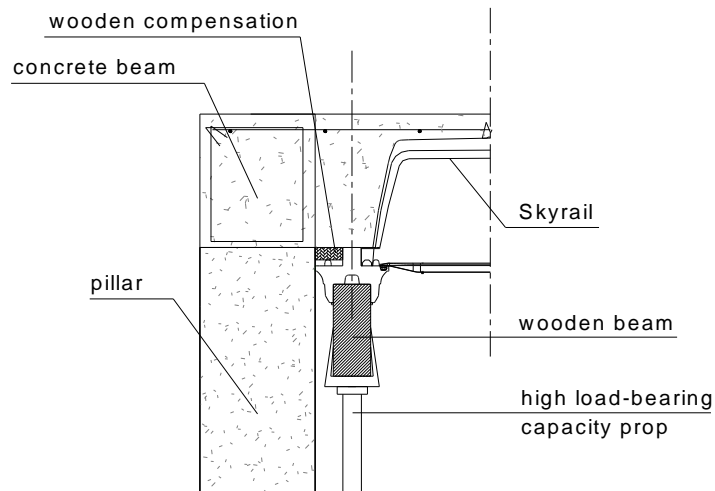


### GENERAL TECHNICAL CHARACTERISTICS

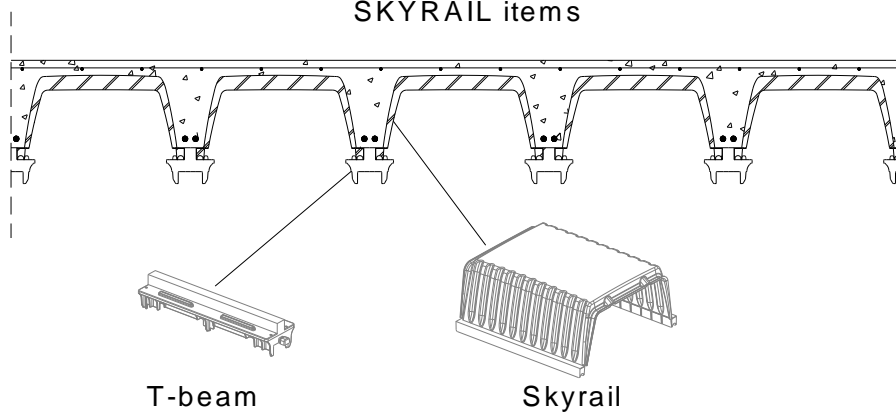
Slab thickness		Loads (EC2)		Self weight	Max.
Rib	r.c. cover	Dead	Live	Rib	r.c. cover
[in]	[in]	[lb/sqin]	[lb/sqin]	[lb/sqin]	[ft]
6.29	1.97	0.21	0.57	0.30	16.07*
7.87	1.97	0.21	0.57	0.34	17.39*
9.45	1.97	0.21	0.57	0.38	20.01*

\*refers to a beams reinforced with 0.622 [sqin]

**DETAIL 'A'**



**SKYRAIL items**



Cost advantages	Job-site advantages
<ul style="list-style-type: none"> <li>• Elimination of filler materials</li> <li>• Lower amount of steel</li> <li>• Cost effective logistics and easy storage</li> <li>• Initial investment amortised after few pours</li> </ul>	<ul style="list-style-type: none"> <li>• Fast and easy to erect</li> <li>• Load-bearing before the pour</li> <li>• Creates a passage for pipes and systems</li> </ul>