

AMAZING ARCHITECTURE

AMAZING STADIUMS



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**Kaohsiung National
Stadium, Taiwan**

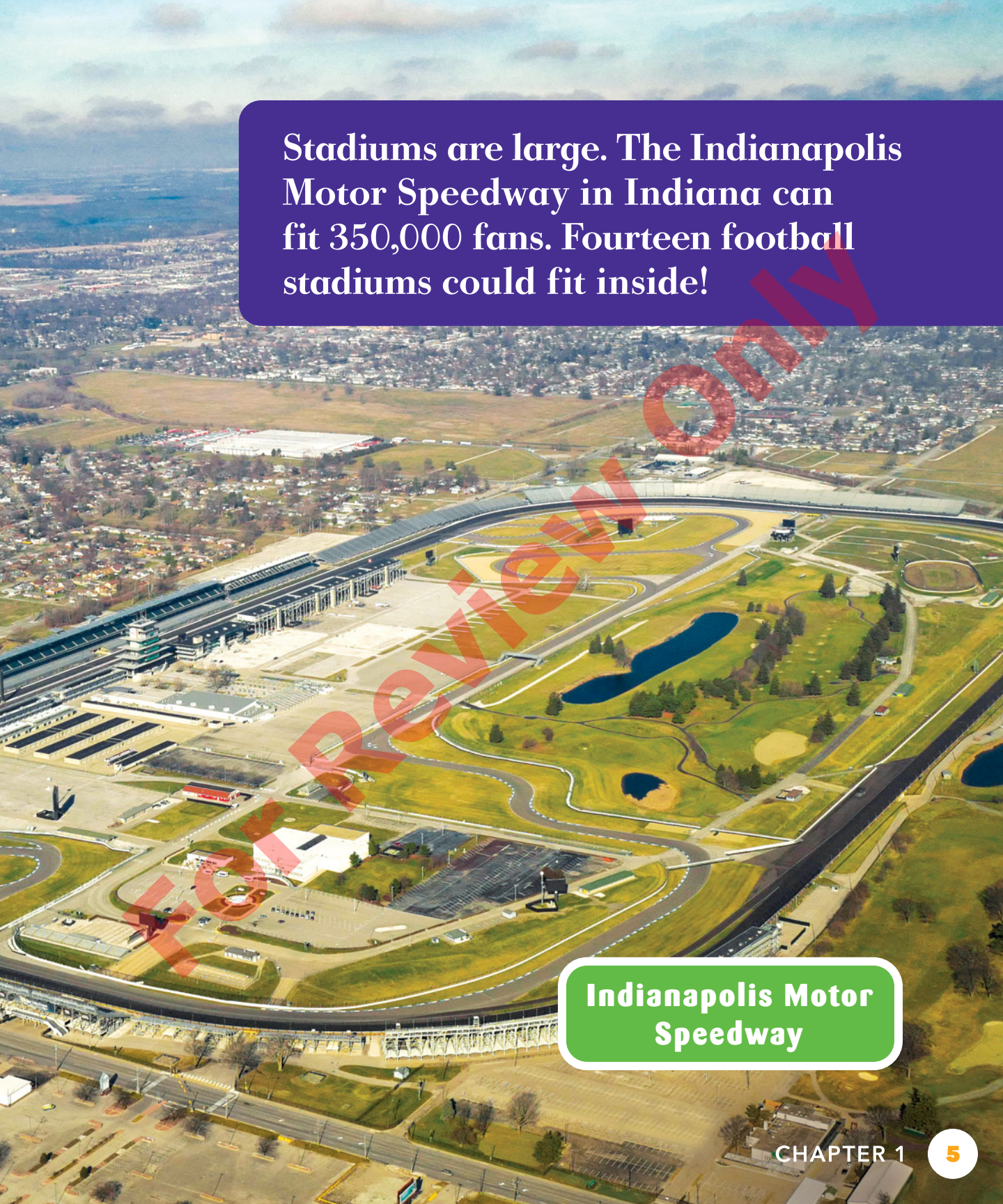
CHAPTER 1

BUILDING BIG

Stadiums can be used for many events, such as concerts. They are mostly used for sporting events. Fans watch teams play. They cheer from the **stands**.



fans

An aerial photograph of the Indianapolis Motor Speedway. The track is a large, oval-shaped asphalt circuit with multiple turns. To the left of the track is a long, multi-story grandstand building. The surrounding area includes green grass, several small ponds, and parking lots. In the background, a suburban neighborhood with houses and trees is visible under a cloudy sky.

Stadiums are large. The Indianapolis Motor Speedway in Indiana can fit 350,000 fans. Fourteen football stadiums could fit inside!

**Indianapolis Motor
Speedway**



..... crane



Architects design stadiums. They make **blueprints**. Then, they work with **engineers** to make sure stadiums will be strong. Construction workers build stadiums. They use cranes to lift and place heavy pieces.

DID YOU KNOW?

For safety, stadiums must be easy to get around. Sections are numbered. This helps people find their seats. There must be many doors. Why? This allows people to leave quickly if there is an emergency.

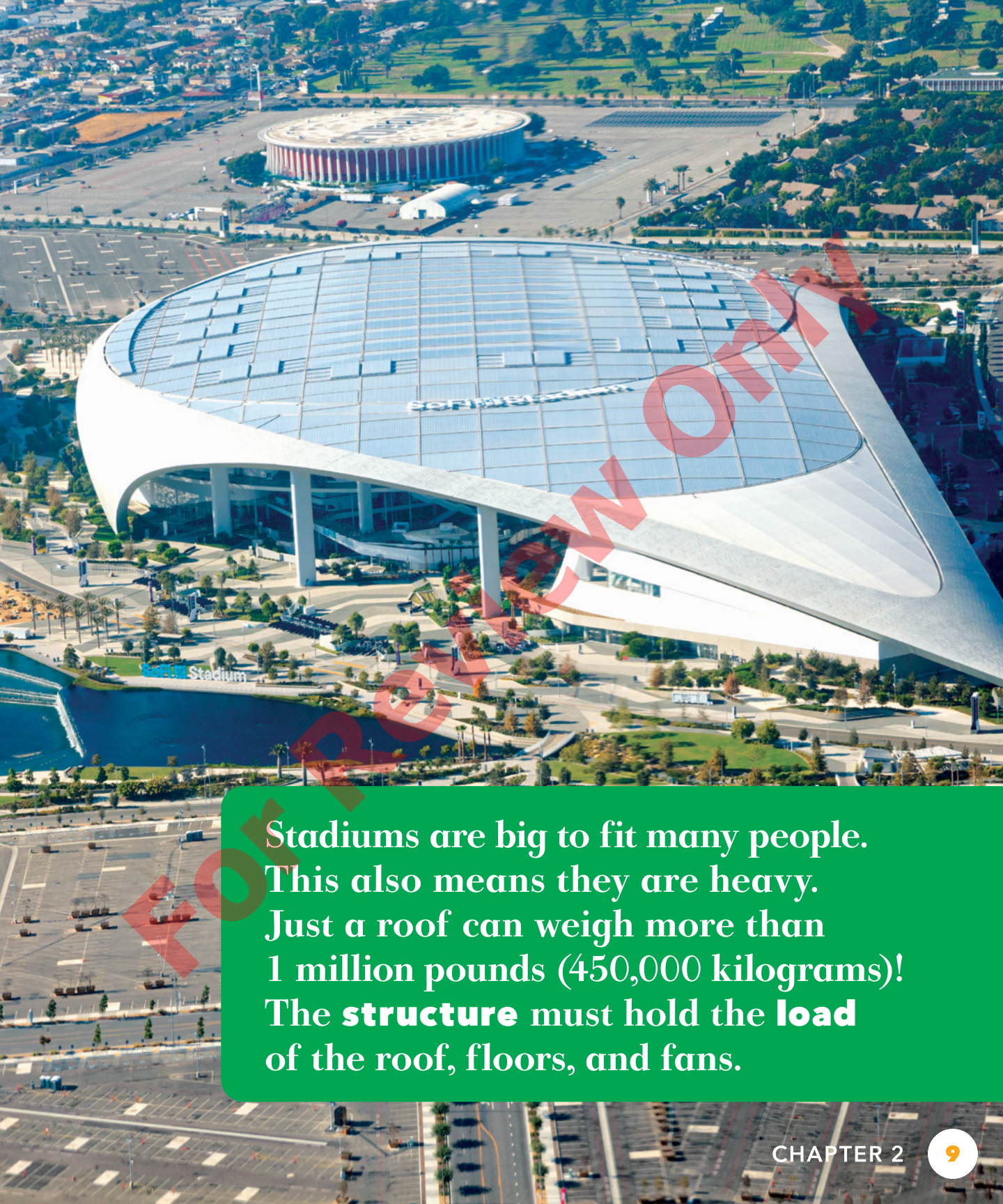


CHAPTER 2

STADIUMS AT WORK

Architects plan for how many fans will be in a stadium. Seats get higher the farther away from the field they are. Why? This lets fans see over the people in front of them.





Stadiums are big to fit many people. This also means they are heavy. Just a roof can weigh more than 1 million pounds (450,000 kilograms)! The **structure** must hold the **load** of the roof, floors, and fans.