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cannot be

created without

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theory, and
design rules

have existed
from the

earliest times
for building

Greek temples,
Roman aqueducts

and Gothic
cathedrals – and

later, for steel
skyscrapers and

the frames for

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built into the
analysis. This
philosophy held
sway for over a
century, until
the first tests
on real
structures
showed that the
stresses
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measured in

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