1.2 Assessment of slender external steel columns

Block F., United Kingdom









Conclusion

- Buro Happold FEDRA has been successfully designing buildings for fire for the last 20 years
- The majority of the external columns will have no applied fire protection
- · Significant cost savings
- · Less maintenance and better architectural finish
- For slender columns and unrestrained beams the non-uniform heating must be included
- The external steelwork approach in the Eurocode does not include this or highlight the need for it



Buro Happold the engineering of excellence