

# Appendix B Design data

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| <b>Contract</b> | <b>Job no.</b> |
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**General description, intended use, unusual environmental conditions**

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**Site constraints**

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**Stability provisions**

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**Movement joints**

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**Loading**

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**Fire resistance**

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**Durability**

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**Soil conditions and foundation design**

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**Performance criteria**

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**Materials**

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**Ground slab construction**

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**Other data**

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# Appendix C Exposure conditions

The exposure conditions in service to be considered when determining the covers and grades of concrete to be used for all members are as follows:

## Environment Definition

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|-------------|--|
| mild        | concrete surfaces protected against weather or aggressive conditions   |
| moderate    | concrete surfaces sheltered from severe rain or freezing while wet<br>concrete subject to condensation<br>concrete surfaces continuously under water<br>concrete in contact with non-aggressive soil |
| severe      | concrete surfaces exposed to:<br>severe rain; alternate wetting and drying or occasional freezing; or severe condensation  |
| very severe | concrete surfaces exposed to:<br>sea water spray<br>de-icing salts, directly or indirectly<br>corrosive fumes or<br>severe freezing conditions while wet   |
| extreme     | concrete surfaces exposed to abrasive action by:<br>sea water carrying solids<br>flowing water with $\text{pH} \leq 4.5$<br>or machinery or vehicles   |

# Appendix D Column design charts

This Appendix contains design charts for stocky symmetrically reinforced rectangular and circular columns. The charts for rectangular columns are drawn for  $d/h$  values of 0.95, 0.90, 0.85, 0.80 and 0.75, while those for circular columns are for  $h_c/h$  values of 0.9, 0.8, 0.7 and 0.6.