

The following information within the table is the technical data provided to illustrate the improvements and benefits found.

 = Non-combustable material required
 = Significant Change

| CLASS OF BUILDING OCCUPANCY | | FIRE CLASS SANS 428 OR BETTER | REACTION TO FIRE CLASSIFICATION SANS 53501-1 THE CLASSIFICATION INDICATED OR BETTER | | |
|-----------------------------|-----------------------------------|-------------------------------|---|--------------|-------------------|
| | | | SINGLE STORY | DOUBLE STORY | 3 STORIES OR MORE |
| A1 | Entertainment & Public Assembly | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| A2 | Theatrical & Indoor Sport | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| A3 | Places of Instruction | B/B1/2 | D-s3,d2 | C-s3,d2 | B-s3,d2 |
| A4 | Worship | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| A5 | Outdoor Sport | B/B4/8 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| B1 | High Risk Commercial Service | B/B1/2 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| B2 | Moderate Risk Commercial Service | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| B3 | Low Risk Commercial Service | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| C1 | Exhibition Hall | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| C2 | Museum | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| D1 | High Risk Industrial | B/B1/2 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| D2 | Moderate Risk Industrial | B/B1/2 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| D3 | Low Risk Industrial | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| D4 | Plant Room | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| E1 | Place of Detention | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| E2 | Hospital | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| E3 | Other Institutional (Residential) | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| E4 | Health Care | B/B1/2 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| F1 | Large Shop | B/B3/3 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| F2 | Small SHop | B/B3/3 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| F3 | Wholesalers Stores | B/B3/3 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| G1 | Offices | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| H1 | Hotel | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| H2 | Dormitory | A/A1/1 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| H3 | Domestic Residence | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| H4 | Dwelling House | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| H5 | Hospitality | B/B3/3 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |
| J1 | High Risk Storage | B/B1/2 | A2-s1,d0 | A2-s1,d0 | A2-s1,d0 |
| J2 | Moderate Risk Storage | B/B1/2 | C-s3,d2 | B-s3,d2 | A2-s1,d0 |
| J3 | Low Risk Storage | B/B3/3 | E-s3,d2 | D-s3,d2 | A2-s1,d0 |
| J4 | Parking Garage | B/B4/4 | D-s3,d2 | C-s3,d2 | A2-s1,d0 |