| flood loads, 21–25, 415–423 | government buildings (federal), 471 |
|---|---|
| combinations including, 7, 9 | Govoni, J.W., 455 |
| consensus standards/other referenced | grab bar system, 13, 14, 409 |
| documents, 25 | grade plane, 59 |
| debris object weight, 420–421 | grandstands, 409–410 |
| debris velocity, 421 | Grange, H.L., 428 |
| definitions, 21, 415–416 | Granstrom, S., 378 |
| design requirements, 21–22, 416 | Greatorex, A., 426 |
| load combinations including, 389 | greenhouses, 429 |
| loads during flooding, 22–25, 23t | Griffis, L.G., 580 |
| floor diaphragms, 474 | Gringorten, L., 455 |
| floors | ground motion procedures |
| basement, 12 | design acceleration parameters, 208–209 |
| uplift on, 398 | design response spectrum, 208 |
| - | |
| fluid load, 7, 8, 388 | ground motion hazard analysis, 207–208, |
| foundations, 489 | 209f |
| design, 98–100 | maximum considered earthquake geometric |
| foundation modeling, 480 | mean peak ground acceleration, 209 |
| overturning, 98 | site response analysis, 207 |
| quality assurance, 360 | ground motion values, 476 |
| seismic design/detailing, 130 | ground snow loads, 29, 34–35f |
| seismic load determination, 88 | ground-to-roof factors, 429 |
| ties, 99 | guardrail system, 13, 14, 409 |
| uplift on, 12, 398 | Gurley, K., 519 |
| frames | gust effect factor, 254, 519-524, 542t-543t |
| drift, 365, 580–581 | gust effects, 254–255 |
| types of, 59 | guys, ice-covered, 48, 49, 461 |
| freeboard, 415 | |
| Freeman, S.A., 580 | Haehnel, R., 419, 422 |
| free roof, 243, 290f | Hair, J.R., 570 |
| freezing rain, 47, 48, 49, 456–457 | Hall, E.K., 455 |
| friction clip, 59, 115, 484–485 | Hamburger, R.O., 481 |
| Fritz, W.P., 576 | handrail system, 13, 14, 409 |
| , , | Harris, M.E., 410 |
| gable roof, 283f, 322, 336f-338f, 340f, 345f, 435 | Harris, R.I., 547 |
| Galambos, T.V., 387, 388, 389, 579, 580 | Haussler, R.W., 447 |
| general collapse, 378 | Hazard and Operability (HAZOP) studies, 383 |
| geologic hazards, 68–69 | heavy live loads, 410 |
| geotechnical investigation, 68–69 | Heinzerling, J.E., 447 |
| Ginger, J.D., 563 | helipad, 13, 409 |
| girders, rigidity of, 494 | Hendricks, L.T., 428 |
| | high-deformability element, 58 |
| Gland, H., 458 | · |
| glass, 116, 119, 485 | high-frequency base balance model, 575 |
| glaze, 47, 48 | highly toxic substance, 1, 5–6, 382–384 |
| glazed curtain wall, 59 | hill, 243 |
| glazed storefront, 59 | hip roof, 283f, 322f, 337f, 345f |
| glazing, 243, 257, 485 | Ho, E., 516, 559 |
| Glover, N.J., 378 | Ho, T.C.E., 576 |
| Goel, R.K., 520 | hoarfroast, 47, 457 |
| Golden Valley Electric Association, 455 | Holmes, J.D., 563, 571 |
| Golikova, T.N., 461 | horizontal irregularity, 81, 83t |
| Goodwin, E.J., 455 | horizontal seismic load effect, 85-86 |
| Gouze, S.C., 456 | Hoskins, J.R.M., 460 |