

Index

b

base plate 9, 125, 244, 282, 284
block shear 49
block tearing *see* block shear 49
bolt hole clearance 33, 254
braces *see* lateral resisting system 2, 217

c

camber 283

d

diffusion angles 23
double angle connection 181, 251
ductility 18, 105, 145, 162, 183, 201, 215, 242

e

eccentricity 22, 115, 120, 155
end plate 71, 81, 120, 175, 189, 217, 242, 251
erection 139, 249, 251, 256, 279, 280, 283
expansion joints 237

f

fatigue 108
fin plate 101, 154, 217, 251

g

galvanization 176, 281
girts *see* purlins 233
grout 137, 143, 145, 148, 256, 284

h

hinge 1, 7, 8, 13, 15, 21, 238, 242, 245

i

lamellar tearing 106
lateral resisting system 2
load path 19, 20

m

moment connection *see* lateral resisting system 2, *see hinge* 8, 40, 82, *see end plate* 189, *see splice* 212

n

notches 257, 264

p

pin *see hinge* 1
plastic hinge *see hinge* 8
portal *see moment connection* 2
pretensioning 24
pretensioning *see tightening* 265
prying action *see T-stub* 61
purlins 233

s

seated connection 230
seismic, 2, *see ductility* 18, 143, 197, 241, 255
shear lag 95, 186
shear tab *see fin plate* 154
shims 201, 280
skewed connections 287



356 | *Index*

slenderness 100
spacings and distances 260
splice 212
stiffness 31, 39, 41, 49, 84, 88, 89
structural integrity 103, 162, 171, 178,
183, 201, 215, 251

t

transfer forces 25
T-stub 61, 130, 204

tightening 43
truss 5, 11, 22, 33, 95, 186, 217
w
welds 18, 52, 236, 287

y

yield line 22









