Subject Index

A
Adhesives, 160
Aluminum, 60, 77
Anchor holes, 89
Anchors, 11, 60, 69, 89, 128
ASTM Standards
C 97-63: 41, 51
C 99: 9, 41
C 119-86: 32
C 503-85: 38
C 568-79: 38
C 615: 9, 38
C 666-84: 39
C 794-80: 163
C 880: 9, 41, 51
E 283-84: 41
E 330-84: 41
E 331-83: 41

B
Bond breakers, 89, 128
Building movements, 69

C
Caulking, 44, 62, 89, 137, 158, 160
Cement, fiberglass reinforced, 128, 155
Cladding systems (See Panel systems)
Concrete, 89, 105, 128, 155
Curing, 128
Curtain walls (See also Panel systems; Veneer, stone), 3, 32, 47, 155, 160, 166
Cygnus panel system, 137

D
Design criteria, 155
Diaphragm systems, 137
Dolomite, 106
Drainage systems, 62

E
Epoxy, 89

F
Fiberglass-reinforced cement and concrete, 128, 155
Freeze-thaw cycles, 89

G
Glass fiber reinforced cement and concrete, 128, 155
Glass panels, 155, 166
Glazed-in cladding system, 3, 166
Granite, 3, 11, 32, 89, 106, 166

I
Insulation, thermal, 79

L
Limestone, 11, 32, 89, 106, 119

M
Marble, 3, 32, 89, 106, 141
Metal cladding, 155
Mullion cladding system, 3

P
Panel systems (See also Veneer, stone)
Cygnus, 137
design and performance criteria, 155
glazing, 166
installation, 160
metal, 155
mullion, 3
posttensioning, 119
repair, 89
sandwich, 89
shear capacity, 89
silicone sealants and adhesives, 137, 160
testing, 69
Panel systems (Continued)
truss supported, 3, 32, 57, 69
types, 166
Performance criteria, 155
Posttension, 119
Prefabricated stone systems, 11, 69

Safety factors, 89
Sandwich panels, 89
Sealants, 44, 62, 89, 137, 158, 160
Silicone, 137, 160
Spring clips, 128
Steel support systems, 105, 128, 137
Stiffeners, 128
Stone
analysis and testing, 3, 11, 32, 47
application systems, 3, 141
cleaning, 89
cutting, 57, 105
design criteria, 57
g eo logy, 106
industry, 57
jointing, 89
panel glazing, 166
permeability, 89
quality control, 105
 quarrying, 106
repair, 89
replacement, 78
selection and purchase, 46
silicone sealants and adhesives, 137, 160
strength, 3
surface finishing, 89, 105
types, 3, 11, 32, 89, 105, 166
weathering, 89
Stopless glazing, 166
Strongbacks, 69
Stud frames, 128
Support panels, 57

Thin stone construction
(See Veneer, stone)
Tolerances, 89, 105
Travertine, 11, 89, 106
Truss wall systems, 3, 32, 57, 69

Unitized wall system, 166

Veneer, stone
(See also Curtain walls; Panel systems)
anchorage problems, 11
application systems, 141
on concrete panels, 89, 105, 128
design and performance criteria, 155
field problems, 11
granite, 3, 11, 32, 89, 106, 166
limestone, 11, 32, 89, 106, 119
marble, 3, 32, 89, 106, 141
material and design problems, 11
prefabricated systems, 11
replacement, 78
on steel, 105, 137
steel/silicone diaphragm systems, 137
thickness recommended, 96
travertine, 11, 89, 106
workmanship problems, 11
Vertical stopless system, 166
Volume change, 89

Water protection, 62, 79, 89
Weathering, 89
Wire connectors, 128