

Table of Reference Figures and Charts

Framing System Selection Chart	..... Note Set 2.1, 3
Design Criteria Summary Chart	..... Note Set 2.1, 4
Common Span Lengths & Depths by System	..... Note Set 2.2, 7
Common Span Lengths & Depths for Timber	..... Note Set 2.2, 8
Common Span Lengths & Depths for Reinforced Concrete	..... Note Set 2.2, 9
Common Span Lengths & Depths for Steel	..... Note Set 2.2, 10
Coefficients of Friction	..... Note Set 4.1, 4
Reactions and Support Conditions	..... Note Set 5.1, 2
Elastic Moduli of Selected Materials	..... Note Set 6.2, 3
Beam Diagrams and Formulas (for various static loading conditions)	..... Note Set 8.2
Centroids of Common Shapes	..... Note Set 9.1, 3
Geometric Properties of Areas	..... Note Set 9.2, 4
Alignment Chart for Effective Length of Columns in Continuous Frames	
.....	..... Note Set 12.1, 4
Theoretical and Recommended Effective Length Factors	..... Note Set 12.2, 5
Minimum Concentrated Loads (from on ASCE 7)	..... Note Set 13.1, 2
Minimum Uniformly Distributed Loads (from ASCE 7)	..... Note Set 13.1, 3-5
Building Material Weights	..... Note Set 13.1, 6-7
Minimum Uniformly Distributed Live Loads, L_o, and Minimum Concentrated Live Loads	
.....	..... Note Set 13.2, 1
Live Load Element Factor, K_{LL}	..... Note Set 13.2, 2
Ground Snow Loads, p_s, for the United States	..... Note Set 13.2, 4
Design Wind Pressures (Method 2)	..... Note Set 13.3, 1-3
Risk Category of Buildings and Other Structures for Flood, Wind, Snow, Earthquake, and Ice Loads	..... Note Set 13.3, 4
Basic Wind Speeds for Occupancy Category II Buildings and Other Structures	
.....	..... Note Set 13.3, 5
Earthquake Ground Motion, 0.2 Second Spectral Response	..... Note Set 13.4, 1
Load Duration Factor, C_D	..... Note Set 15.1, 3
Common Allowable Deflection Limits	..... Note Set 15.1, 5
Common Allowable Deflection Limits	..... Note Set 15.2, 3

Beam Design Flow Chart	Note Set 15.2, 5
Common Allowable Deflection Limits.....	Note Set 18, 6
Minimum Size of Fillet Welds.....	Note Set 18, 21
Available Strength of Fillet Welds.....	Note Set 18, 21
Alignment Chart for Effective Length of Columns in Continuous Frames	
.....	Note Set 18, 24
Beam Design Flow Chart for Steel	Note Set 18, 42
Listing of W Shapes in Descending order of Z_x for Beam Design	Note Set 18, 43-44
Available Critical Stress, ϕF_{cr}, for Compression Members	Note Set 18, 45-46
Available Shear Strength of Bolts (Table 7-1).....	Note Set 18, 47
Available Tensile Strength of Bolts (Table 7-2)	Note Set 18, 47
Available Shear Strength of Slip-Critical Connections (Table 7-3)	Note Set 18, 48
Available Bearing Strength at Bolt Holes Based on Bolt Spacing (Table 7-4)	
.....	Note Set 18, 49
Available Bearing Strength at Bolt Holes Based on Edge Distance	Note Set 18, 50
ASTM Standard Reinforcing Bars.....	Note Set 22.1, 6
Maximum Reinforcement Ratio ρ.....	Note Set 22.1, 8
Strength Curves (R_n vs ρ) for singly reinforced rectangular sections ..	Note Set 22.1, 8
Minimum Thickness of Nonprestressed Beams or One-way Slabs unless Deflections are Computed (Table 9.5a)	Note Set 22.1, 10
ACI Provisions for Shear Design (Table 3-8)	Note Set 22.1, 11
Alignment Chart for Effective Length of Columns in Continuous Frames	
.....	Note Set 22.1, 15
Factored Moment Resistance of Concrete Beams, ϕM_n with $f'_c = 4$ ksi, $f_y = 60$ ksi	
.....	Note Set 22.1, 37
Column Interaction Diagrams	Note Set 22.1, 38-39
Beam / One-Way Slab Design Flow Chart	Note Set 22.1, 40-41
Steel Reinforcement Information	Note Set 22.2
Coefficients for Rectangular Bars in Torsion (Table 3.1).....	Note Set 24, 2
Moment and Shear Coefficients for Continuous Beams and One-Way Slabs	
.....	Note Set 25.1, 2
Thickness and Cover Requirements for Fire Protection	Note Set 25.2

Openings Permitted in Slab Systems without Beams	Note Set 25.3, 2
Average Bearing Capacities of Various Foundation Beds (Table 7-1)...	Note Set 27.1, 3
Allowable Flexural Tensile Stresses for Clay and Concrete Masonry ...	Note Set 28.1, 7
Minimum Development Lengths for Reinforced Brick Masonry Beams (Table 1)	
.....	Note Set 28.2, 5
Design Curves for Masonry Beams	Note Set 28.2, 7-11
Section Properties for Concrete Masonry Walls.....	Note Set 28.2, 1-2
Allowable Flexural Tensile Stresses for Clay and Concrete Masonry (Table 1)	
.....	Note Set 28.3, 3