a) Strain Gauge Location (Side View)

b) Bending of Grid Reinforcement

c) Observed Behavior During Column Tests

Fig. 50 Behavior of Grids at Perimeter Joints
a) Column BG-1 with 4-Cell Grids

b) Column BG-8 with 9-Cell Grids

Fig. 51 Strain Readings at Perimeter Grid Joints
Fig 52 Strain in Grid Reinforcement at Location 12 - Column BG-4

Fig 53 Strain in Grid Reinforcement at Location 13 - Column BG-4
Fig 54 Strain in Grid Reinforcement at Location 14 - Column BG-4

Fig 55 Strain in Grid Reinforcement at Location 11 - Column BG-5
Fig 56 Strain in Grid Reinforcement at Location 14 - Column BG-5

Fig 57 Strain in Grid Reinforcement at Location 15 - Column BG-5
Fig 58 Strain in Grid Reinforcement at Location 16 - Column BG-5

Fig 59 Strain in Grid Reinforcement at Location 18 - Column BG-5
Fig 60 Strain in Grid Reinforcement at Location 11 - Column BG-6

Fig 61 Strain in Grid Reinforcement at Location 15 - Column BG-6
Fig 62 Strain in Grid Reinforcement at Location 16 - Column BG-6

Fig 63 Strain in Grid Reinforcement at Location 17 - Column BG-6
Fig 64 Strain in Grid Reinforcement at Location 18 - Column BG-6

Fig 65 Strain in Grid Reinforcement at Location 16 - Column BG-10
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Fig 67 Strain in Grid Reinforcement at Location 20 - Column BG-10
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Moment-Rotation Data Recorded During Column Tests
Fig. A1 Moment-Rotation Relationships for BG-1

Fig. A2 Moment-Rotation Relationships for BG-2
Fig. A3 Moment-Rotation Relationships for BG-3

Fig. A4 Moment-Rotation Relationships for BG-4
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Fig. A6 Moment-Rotation Relationships for BG-6
Fig. A7 Moment-Rotation Relationships for BG-7

Fig. A8 Moment-Rotation Relationships for BG-8
Fig. A9 Moment-Rotation Relationships for BG-9

Fig. A10 Moment-Rotation Relationships for BG-10
APPENDIX - B -

Strain Data Recorded During Column Tests for Longitudinal Reinforcement
Fig. B1 Strain in Longitudinal Reinforcement at 50 mm Below the Column-Footing Interface
Fig. B1 Strain in Longitudinal Reinforcement at 50 mm Below the Column-Footing Interface

(Cont’d)