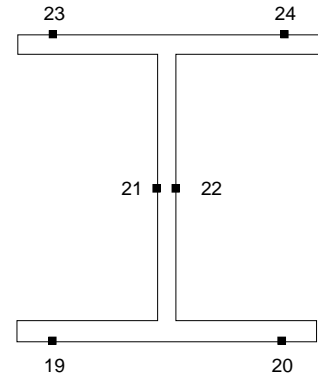


| TIME MINS | STRAIN IN MICRO STRAIN | | | | | |
|--------------|------------------------|-----|-----|-----|-------|-----|
| | LOWER | | WEB | | UPPER | |
| | (N) | (S) | (N) | (S) | (N) | (S) |
| | 19 | 20 | 21 | 22 | 23 | 24 |
| 0.0 | -46 | 2 | -36 | -33 | -71 | -6 |
| 0.5 | -45 | 3 | -36 | -33 | -70 | -6 |
| 1.0 | -44 | 4 | -36 | -33 | -70 | -6 |
| 1.5 | -44 | 4 | -35 | -33 | -70 | -5 |
| 2.0 | -45 | 5 | -35 | -33 | -71 | -4 |
| 2.5 | -48 | 7 | -35 | -33 | -73 | -2 |
| 3.0 | -52 | 11 | -36 | -33 | -78 | 3 |
| 3.5 | -57 | 14 | -36 | -33 | -82 | 8 |
| 4.0 | -62 | 18 | -37 | -33 | -87 | 12 |
| 4.5 | -67 | 22 | -37 | -33 | -91 | 17 |
| 5.0 | -71 | 25 | -38 | -33 | -96 | 21 |
| 5.5 | -75 | 28 | -39 | -33 | -100 | 26 |
| 6.0 | -79 | 32 | -39 | -34 | -105 | 29 |
| 6.5 | -83 | 35 | -40 | -34 | -109 | 33 |
| 7.0 | -88 | 39 | -40 | -34 | -113 | 38 |
| 7.5 | -92 | 42 | -40 | -34 | -117 | 42 |
| 8.0 | -96 | 46 | -41 | -35 | -122 | 45 |
| 8.5 | -101 | 49 | -41 | -35 | -127 | 49 |
| 9.0 | -105 | 53 | -42 | -35 | -130 | 53 |
| 9.5 | -108 | 56 | -42 | -35 | -134 | 56 |
| 10.0 | -112 | 60 | -42 | -35 | -138 | 60 |
| 10.5 | -116 | 63 | -43 | -35 | -142 | 63 |
| 11.0 | -120 | 66 | -43 | -35 | -145 | 67 |
| 11.5 | -123 | 69 | -43 | -35 | -148 | 70 |
| 12.0 | -125 | 71 | -43 | -35 | -150 | 72 |
| 12.5 | -128 | 74 | -43 | -35 | -154 | 75 |
| 13.0 | -131 | 76 | -44 | -35 | -156 | 77 |
| 13.5 | -133 | 78 | -44 | -35 | -157 | 78 |
| 14.0 | -132 | 77 | -44 | -35 | -157 | 79 |
| 14.5 | -133 | 79 | -44 | -35 | -159 | 82 |
| 15.0 | -133 | 79 | -43 | -35 | -158 | 81 |
| 15.5 | -133 | 80 | -43 | -35 | -159 | 81 |
| 16.0 | -132 | 80 | -43 | -34 | -159 | 80 |
| 16.5 | -131 | 80 | -43 | -35 | -159 | 80 |
| 17.0 | -131 | 81 | -42 | -34 | -159 | 82 |
| 17.5 | -131 | 81 | -42 | -33 | -159 | 82 |
| 18.0 | -131 | 82 | -41 | -33 | -160 | 82 |
| 18.5 | -130 | 82 | -41 | -33 | -159 | 83 |
| 19.0 | -131 | 82 | -41 | -32 | -159 | 83 |
| 19.5 | -131 | 82 | -41 | -32 | -158 | 82 |
| 20.0 | -131 | 83 | -40 | -32 | -156 | 81 |
| 20.5 | -131 | 83 | -40 | -32 | -156 | 81 |
| 21.0 | -131 | 83 | -40 | -31 | -156 | 82 |
| 21.5 | -125 | 77 | -39 | -31 | -154 | 81 |
| 22.0 | -125 | 77 | -39 | -31 | -154 | 81 |
| 22.5 | -124 | 77 | -38 | -31 | -150 | 80 |
| 23.0 | -124 | 77 | -38 | -30 | -150 | 80 |
| 23.5 | -124 | 77 | -38 | -30 | -150 | 79 |
| 24.0 | -124 | 76 | -38 | -30 | -149 | 80 |
| 24.5 | -124 | 76 | -37 | -30 | -149 | 80 |
| 25.0 | -123 | 76 | -37 | -29 | -148 | 80 |
| 25.5 | -122 | 76 | -37 | -29 | -148 | 80 |
| 26.0 | -123 | 76 | -37 | -29 | -147 | 80 |
| 26.5 | -122 | 76 | -36 | -28 | -147 | 80 |
| 27.0 | -122 | 75 | -36 | -28 | -146 | 80 |
| 27.5 | -122 | 75 | -36 | -28 | -145 | 80 |
| 28.0 | -122 | 75 | -36 | -28 | -145 | 80 |
| 28.5 | -122 | 76 | -36 | -28 | -149 | 84 |
| 29.0 | -124 | 77 | -36 | -27 | -154 | 90 |
| 29.5 | -125 | 79 | -35 | -27 | -160 | 97 |
| 30.0 | -128 | 80 | -35 | -26 | -165 | 103 |
| 30.5 | -131 | 84 | -35 | -26 | -171 | 109 |
| 31.0 | -136 | 88 | -36 | -26 | -178 | 114 |
| 31.5 | -141 | 92 | -36 | -26 | -183 | 120 |
| 32.0 | -147 | 96 | -37 | -26 | -188 | 127 |
| 32.5 | -153 | 102 | -37 | -26 | -194 | 132 |



I Not Recorded

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|------|------|-----|-----|-----|------|-----|
| 33.0 | -158 | 107 | -37 | -25 | -199 | 139 |
| 33.5 | -162 | 111 | -37 | -25 | -203 | 143 |
| 34.0 | -167 | 116 | -36 | -25 | -208 | 149 |
| 34.5 | -172 | 119 | -37 | -25 | -213 | 154 |
| 35.0 | -176 | 124 | -37 | -24 | -217 | 158 |
| 35.5 | -179 | 128 | -37 | -24 | -221 | 163 |
| 36.0 | -184 | 132 | -37 | -24 | -225 | 167 |
| 36.5 | -187 | 136 | -37 | -23 | -229 | 171 |
| 37.0 | -191 | 137 | -38 | -24 | -231 | 175 |
| 37.5 | -197 | 141 | -38 | -24 | -235 | 179 |
| 38.0 | -200 | 146 | -38 | -23 | -240 | 184 |
| 38.5 | -205 | 152 | -38 | -23 | -246 | 188 |
| 39.0 | -209 | 157 | -37 | -23 | -250 | 193 |
| 39.5 | -212 | 161 | -37 | -22 | -253 | 198 |
| 40.0 | -217 | 165 | -37 | -22 | -258 | 203 |
| 40.5 | -223 | 170 | -37 | -21 | -264 | 210 |
| 41.0 | -231 | 177 | -37 | -21 | -271 | 218 |
| 41.5 | -237 | 183 | -38 | -21 | -277 | 225 |
| 42.0 | -244 | 188 | -38 | -20 | -284 | 232 |
| 42.5 | -250 | 195 | -38 | -20 | -290 | 239 |
| 43.0 | -255 | 202 | -38 | -19 | -296 | 245 |
| 43.5 | -262 | 207 | -38 | -19 | -302 | 253 |
| 44.0 | -268 | 212 | -38 | -19 | -309 | 260 |
| 44.5 | -275 | 219 | -38 | -19 | -315 | 267 |
| 45.0 | -281 | 226 | -38 | -18 | -322 | 274 |
| 45.5 | -288 | 232 | -39 | -18 | -329 | 282 |
| 46.0 | -293 | 238 | -38 | -18 | -334 | 289 |
| 46.5 | -300 | 243 | -38 | -17 | -340 | 297 |
| 47.0 | -305 | 249 | -38 | -16 | -346 | 303 |
| 47.5 | -312 | 255 | -38 | -16 | -353 | 310 |
| 48.0 | -318 | 260 | -38 | -16 | -358 | 317 |
| 48.5 | -323 | 265 | -39 | -15 | -364 | 323 |
| 49.0 | -328 | 270 | -38 | -15 | -368 | 328 |
| 49.5 | -333 | 274 | -39 | -15 | -373 | 334 |
| 50.0 | -338 | 279 | -38 | -14 | -377 | 339 |
| 50.5 | -343 | 283 | -38 | -13 | -381 | 345 |
| 51.0 | -347 | 287 | -38 | -12 | -385 | 350 |
| 51.5 | -353 | 291 | -37 | -11 | -390 | 357 |
| 52.0 | -359 | 296 | -37 | -11 | -395 | 364 |
| 52.5 | -365 | 301 | -36 | -10 | -399 | 371 |
| 53.0 | -370 | 306 | -36 | -9 | -404 | 377 |
| 53.5 | -375 | 309 | -36 | -8 | -408 | 383 |
| 54.0 | -378 | 312 | -35 | -8 | -412 | 388 |
| 54.5 | -382 | 315 | -35 | -7 | -415 | 393 |
| 55.0 | -385 | 318 | -34 | -6 | -418 | 397 |
| 55.5 | -388 | 320 | -34 | -6 | -420 | 401 |
| 56.0 | -390 | 322 | -34 | -5 | -423 | 405 |
| 56.5 | -393 | 323 | -33 | -4 | -425 | 410 |
| 57.0 | -394 | 324 | -33 | -4 | -427 | 413 |
| 57.5 | -396 | 325 | -33 | -3 | -429 | 416 |
| 58.0 | -397 | 326 | -33 | -3 | -431 | 419 |
| 58.5 | -398 | 326 | -32 | -2 | -432 | 421 |
| 59.0 | -399 | 327 | -32 | -2 | -434 | 423 |
| 59.5 | -401 | 328 | -32 | -2 | -435 | 426 |
| 60.0 | -401 | 329 | -31 | -1 | -437 | 427 |
| 60.5 | -401 | 329 | -32 | -1 | -438 | 428 |
| 61.0 | -402 | 330 | -31 | -1 | -439 | 431 |
| 61.5 | -402 | 329 | -30 | 0 | -438 | 432 |
| 62.0 | -402 | 329 | -30 | 1 | -438 | 433 |
| 62.5 | -403 | 328 | -29 | 1 | -438 | 435 |
| 63.0 | -402 | 328 | -29 | 1 | -438 | 435 |
| 63.5 | -403 | 328 | -29 | 1 | -438 | 436 |
| 64.0 | -403 | 328 | -29 | 1 | -439 | 437 |
| 64.5 | -402 | 329 | -28 | 2 | -440 | 438 |
| 65.0 | -401 | 328 | -28 | 2 | -439 | 439 |
| 65.5 | -401 | 328 | -28 | 3 | -440 | 439 |
| 66.0 | -400 | 328 | -28 | 3 | -439 | 438 |
| 66.5 | -399 | 327 | -28 | 3 | -438 | 438 |
| 67.0 | -399 | 326 | -27 | 3 | -439 | 439 |
| 67.5 | -399 | 326 | -27 | 3 | -439 | 439 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|-------|------|-----|-----|----|------|-----|
| 68.0 | -398 | 326 | -27 | 3 | -438 | 438 |
| 68.5 | -398 | 325 | -27 | 3 | -438 | 438 |
| 69.0 | -401 | 328 | -27 | 4 | -441 | 442 |
| 69.5 | -398 | 325 | -26 | 4 | -441 | 442 |
| 70.0 | -395 | 322 | -26 | 4 | -438 | 439 |
| 70.5 | -393 | 319 | -25 | 4 | -432 | 433 |
| 71.0 | -389 | 316 | -24 | 5 | -422 | 424 |
| 71.5 | -383 | 311 | -24 | 5 | -408 | 410 |
| 72.0 | -374 | 303 | -22 | 5 | -393 | 395 |
| 72.5 | -365 | 294 | -22 | 5 | -379 | 381 |
| 73.0 | -356 | 282 | -20 | 6 | -362 | 369 |
| 73.5 | -347 | 273 | -19 | 6 | -350 | 357 |
| 74.0 | -337 | 265 | -19 | 5 | -338 | 345 |
| 74.5 | -328 | 255 | -18 | 5 | -327 | 337 |
| 75.0 | -319 | 247 | -17 | 6 | -317 | 327 |
| 75.5 | -310 | 240 | -16 | 6 | -307 | 318 |
| 76.0 | -301 | 233 | -16 | 6 | -299 | 309 |
| 76.5 | -294 | 226 | -15 | 6 | -291 | 302 |
| 77.0 | -287 | 221 | -15 | 6 | -285 | 296 |
| 77.5 | -280 | 215 | -14 | 6 | -278 | 289 |
| 78.0 | -275 | 211 | -14 | 6 | -274 | 284 |
| 78.5 | -269 | 205 | -14 | 5 | -268 | 278 |
| 79.0 | -265 | 202 | -13 | 5 | -265 | 275 |
| 79.5 | -260 | 199 | -13 | 5 | -261 | 271 |
| 80.0 | -256 | 193 | -13 | 5 | -256 | 266 |
| 80.5 | -252 | 190 | -13 | 5 | -252 | 263 |
| 81.0 | -250 | 187 | -13 | 5 | -250 | 260 |
| 81.5 | -246 | 186 | -12 | 5 | -248 | 258 |
| 82.0 | -243 | 184 | -12 | 5 | -246 | 255 |
| 82.5 | -240 | 182 | -12 | 5 | -243 | 252 |
| 83.0 | -237 | 180 | -12 | 5 | -241 | 250 |
| 83.5 | -234 | 179 | -12 | 5 | -239 | 247 |
| 84.0 | -232 | 177 | -12 | 4 | -237 | 244 |
| 84.5 | -230 | 176 | -12 | 4 | -235 | 242 |
| 85.0 | -228 | 175 | -12 | 4 | -235 | 240 |
| 85.5 | -226 | 173 | -12 | 4 | -233 | 239 |
| 86.0 | -224 | 173 | -13 | 3 | -233 | 236 |
| 86.5 | -221 | 170 | -13 | 3 | -230 | 233 |
| 87.0 | -218 | 169 | -13 | 2 | -229 | 231 |
| 87.5 | -216 | 168 | -14 | 1 | -228 | 229 |
| 88.0 | -214 | 169 | -14 | 1 | -228 | 228 |
| 88.5 | -213 | 169 | -14 | 0 | -228 | 227 |
| 89.0 | -211 | 169 | -15 | 0 | -228 | 226 |
| 89.5 | -209 | 169 | -15 | -1 | -227 | 225 |
| 90.0 | -207 | 169 | -16 | -1 | -226 | 223 |
| 90.5 | -206 | 168 | -15 | -1 | -225 | 222 |
| 91.0 | -203 | 168 | -16 | -2 | -224 | 221 |
| 91.5 | -201 | 168 | -16 | -3 | -224 | 220 |
| 92.0 | -200 | 166 | -17 | -3 | -222 | 218 |
| 92.5 | -199 | 167 | -17 | -3 | -222 | 218 |
| 93.0 | -197 | 166 | -17 | -4 | -222 | 217 |
| 93.5 | -196 | 166 | -18 | -4 | -221 | 217 |
| 94.0 | -195 | 167 | -18 | -5 | -221 | 215 |
| 94.5 | -193 | 167 | -18 | -5 | -221 | 215 |
| 95.0 | -192 | 166 | -19 | -6 | -220 | 214 |
| 95.5 | -190 | 166 | -19 | -6 | -220 | 213 |
| 96.0 | -189 | 166 | -19 | -6 | -220 | 212 |
| 96.5 | -188 | 166 | -20 | -7 | -219 | 211 |
| 97.0 | -185 | 165 | -20 | -7 | -217 | 208 |
| 97.5 | -184 | 164 | -20 | -7 | -215 | 207 |
| 98.0 | -183 | 164 | -20 | -8 | -215 | 206 |
| 98.5 | -181 | 165 | -20 | -8 | -215 | 206 |
| 99.0 | -180 | 165 | -20 | -8 | -215 | 205 |
| 99.5 | -179 | 165 | -21 | -8 | -214 | 204 |
| 100.0 | -178 | 165 | -21 | -8 | -214 | 203 |
| 100.5 | -177 | 165 | -21 | -9 | -215 | 202 |
| 101.0 | -175 | 165 | -21 | -9 | -214 | 201 |
| 101.5 | -174 | 166 | -22 | -9 | -214 | 200 |
| 102.0 | -173 | 166 | -21 | -9 | -214 | 200 |
| 102.5 | -172 | 166 | -22 | -9 | -215 | 199 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|-------|------|-----|-----|-----|------|-----|
| 103.0 | -170 | 165 | -22 | -10 | -214 | 197 |
| 103.5 | -169 | 166 | -22 | -10 | -215 | 197 |
| 104.0 | -168 | 165 | -22 | -10 | -214 | 196 |
| 104.5 | -166 | 165 | -22 | -11 | -214 | 194 |
| 105.0 | -165 | 165 | -22 | -11 | -214 | 193 |
| 105.5 | -163 | 165 | -23 | -11 | -214 | 191 |
| 106.0 | -163 | 164 | -23 | -12 | -212 | 190 |
| 106.5 | -160 | 164 | -23 | -12 | -211 | 188 |
| 107.0 | -159 | 164 | -24 | -13 | -211 | 186 |
| 107.5 | -157 | 163 | -24 | -13 | -211 | 184 |
| 108.0 | -155 | 164 | -24 | -13 | -210 | 182 |
| 108.5 | -155 | 163 | -25 | -13 | -210 | 180 |
| 109.0 | -153 | 163 | -25 | -14 | -209 | 178 |
| 109.5 | -151 | 163 | -25 | -14 | -208 | 177 |
| 110.0 | -151 | 162 | -25 | -14 | -207 | 175 |
| 110.5 | -149 | 160 | -25 | -15 | -206 | 174 |
| 111.0 | -148 | 160 | -26 | -15 | -207 | 172 |
| 111.5 | -147 | 159 | -26 | -15 | -206 | 170 |
| 112.0 | -145 | 158 | -27 | -16 | -205 | 168 |
| 112.5 | -144 | 160 | -26 | -16 | -206 | 167 |
| 113.0 | -143 | 159 | -26 | -16 | -205 | 164 |
| 113.5 | -142 | 159 | -27 | -17 | -205 | 164 |
| 114.0 | -141 | 159 | -27 | -17 | -205 | 163 |
| 114.5 | -140 | 158 | -27 | -17 | -205 | 161 |
| 115.0 | -139 | 159 | -27 | -17 | -205 | 161 |
| 115.5 | -138 | 161 | -27 | -17 | -206 | 160 |
| 116.0 | -137 | 161 | -27 | -17 | -207 | 159 |
| 116.5 | -136 | 160 | -28 | -17 | -207 | 157 |
| 117.0 | -135 | 161 | -28 | -17 | -207 | 157 |
| 117.5 | -135 | 161 | -28 | -18 | -207 | 157 |
| 118.0 | -135 | 161 | -28 | -18 | -208 | 156 |
| 118.5 | -134 | 162 | -29 | -18 | -208 | 154 |
| 119.0 | -133 | 162 | -29 | -18 | -208 | 154 |
| 119.5 | -132 | 162 | -30 | -19 | -209 | 152 |
| 120.0 | -132 | 163 | -30 | -19 | -210 | 152 |
| 120.5 | -131 | 162 | -30 | -19 | -210 | 151 |
| 121.0 | -130 | 163 | -31 | -19 | -211 | 150 |
| 121.5 | -129 | 162 | -31 | -20 | -211 | 149 |
| 122.0 | -129 | 163 | -32 | -20 | -212 | 148 |
| 122.5 | -128 | 163 | -32 | -21 | -212 | 147 |
| 123.0 | -128 | 163 | -33 | -21 | -213 | 146 |
| 123.5 | -128 | 164 | -33 | -21 | -213 | 145 |
| 124.0 | -127 | 164 | -33 | -21 | -214 | 144 |
| 124.5 | -126 | 164 | -34 | -21 | -214 | 142 |
| 125.0 | -126 | 164 | -34 | -21 | -215 | 142 |
| 125.5 | -126 | 165 | -35 | -22 | -215 | 141 |
| 126.0 | -125 | 165 | -35 | -22 | -216 | 141 |
| 126.5 | -125 | 165 | -36 | -22 | -217 | 140 |
| 127.0 | -125 | 166 | -36 | -22 | -217 | 139 |
| 127.5 | -124 | 166 | -37 | -23 | -218 | 138 |
| 128.0 | -124 | 167 | -37 | -23 | -219 | 137 |
| 128.5 | -123 | 167 | -37 | -23 | -219 | 136 |
| 129.0 | -123 | 168 | -38 | -23 | -220 | 136 |
| 129.5 | -123 | 168 | -39 | -23 | -221 | 135 |
| 130.0 | -123 | 168 | -39 | -24 | -221 | 134 |
| 130.5 | -123 | 168 | -40 | -24 | -222 | 134 |
| 131.0 | -123 | 169 | -40 | -25 | -223 | 133 |
| 131.5 | -122 | 169 | -41 | -25 | -223 | 132 |
| 132.0 | -123 | 169 | -42 | -25 | -224 | 131 |
| 132.5 | -123 | 169 | -41 | -25 | -225 | 131 |
| 133.0 | -123 | 170 | -42 | -25 | -226 | 130 |
| 133.5 | -121 | 170 | -44 | -26 | -227 | 128 |
| 134.0 | -122 | 171 | -45 | -26 | -228 | 127 |
| 134.5 | -121 | 171 | -45 | -26 | -229 | 127 |
| 135.0 | -121 | 171 | -46 | -26 | -229 | 127 |
| 135.5 | -120 | 172 | -47 | -27 | -230 | 125 |
| 136.0 | -120 | 171 | -48 | -27 | -230 | 124 |
| 136.5 | -120 | 173 | | -27 | -230 | 123 |
| 137.0 | -119 | 173 | | -27 | -232 | 122 |
| 137.5 | -118 | 174 | | -27 | -232 | 121 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|-------|------|-----|--|-----|------|-----|
| 138.0 | -117 | 173 | | -28 | -232 | 119 |
| 138.5 | -117 | 174 | | -28 | -233 | 118 |
| 139.0 | -116 | 176 | | -28 | -235 | 117 |
| 139.5 | -116 | 176 | | -28 | -235 | 117 |
| 140.0 | -115 | 176 | | -29 | -236 | 116 |
| 140.5 | -116 | 177 | | -29 | -236 | 116 |
| 141.0 | -116 | 178 | | -30 | -238 | 116 |
| 141.5 | -116 | 179 | | -30 | -239 | 116 |
| 142.0 | -114 | 184 | | -32 | -245 | 112 |
| 142.5 | -113 | 186 | | -32 | -246 | 110 |
| 143.0 | -113 | 186 | | -32 | -246 | 110 |
| 143.5 | -112 | 187 | | -32 | -247 | 109 |
| 144.0 | -111 | 187 | | -32 | -247 | 108 |
| 144.5 | -110 | 187 | | -33 | -247 | 108 |
| 145.0 | -110 | 188 | | -33 | -247 | 107 |
| 145.5 | -110 | 189 | | -33 | -247 | 107 |
| 146.0 | -110 | 189 | | -33 | -248 | 106 |
| 146.5 | -110 | 190 | | -33 | -247 | 106 |
| 147.0 | -110 | 191 | | -33 | -247 | 105 |
| 147.5 | -109 | 192 | | -34 | -247 | 105 |
| 148.0 | -109 | 192 | | -34 | -246 | 105 |
| 148.5 | -109 | 193 | | -34 | -246 | 103 |
| 149.0 | -108 | 192 | | -35 | -245 | 102 |
| 149.5 | -108 | 194 | | -34 | -244 | 103 |
| 150.0 | -107 | 195 | | -35 | -243 | 102 |
| 150.0 | -107 | 195 | | -35 | -243 | 102 |
| 150.5 | -108 | 195 | | -35 | -242 | 102 |
| 151.0 | -107 | 196 | | -35 | -241 | 101 |
| 151.5 | -107 | 197 | | -35 | -240 | 101 |
| 152.0 | -106 | 197 | | -36 | -239 | 100 |
| 152.5 | -106 | 198 | | -36 | -237 | 99 |
| 153.0 | -106 | 198 | | -36 | -235 | 98 |
| 153.5 | -105 | 198 | | -36 | -233 | 98 |
| 154.0 | -105 | 199 | | -36 | -230 | 97 |
| 154.5 | -104 | 200 | | -36 | -228 | 96 |
| 155.0 | -104 | 200 | | -37 | -226 | 96 |
| 155.5 | -103 | 201 | | -37 | -223 | 95 |
| 156.0 | -103 | 200 | | -37 | -220 | 93 |
| 156.5 | -103 | 200 | | -37 | -216 | 93 |
| 157.0 | -102 | 201 | | -37 | -213 | 92 |
| 157.5 | -102 | 203 | | -37 | -211 | 92 |
| 158.0 | -101 | 204 | | -37 | -207 | 91 |
| 158.5 | -100 | 203 | | -38 | -202 | 89 |
| 159.0 | -101 | 204 | | -38 | -198 | 90 |
| 159.5 | -100 | 203 | | -38 | -193 | 89 |
| 160.0 | -100 | 204 | | -38 | -189 | 88 |
| 160.5 | -98 | 205 | | -39 | -184 | 86 |
| 161.0 | -98 | 206 | | -38 | -179 | 86 |
| 161.5 | -97 | 207 | | -39 | -174 | 85 |
| 162.0 | -97 | 207 | | -39 | -169 | 84 |
| 162.5 | -95 | 207 | | -39 | -163 | 82 |
| 163.0 | -95 | 208 | | -39 | -157 | 82 |
| 163.5 | -89 | 202 | | -39 | -142 | 74 |
| 164.0 | -78 | 189 | | -39 | -121 | 61 |
| 174.0 | -56 | 162 | | -34 | -38 | 54 |
| 184.0 | -52 | 157 | | -32 | -31 | 51 |
| 194.0 | -15 | 102 | | -19 | 42 | 5 |
| 204.0 | -11 | 91 | | -15 | 56 | 1 |
| 214.0 | -8 | 85 | | -13 | 63 | -1 |
| 224.0 | 22 | 29 | | 14 | 138 | -15 |
| 234.0 | 20 | 12 | | 31 | 168 | -3 |
| 244.0 | 6 | 7 | | 47 | 175 | 28 |
| 254.0 | -5 | 4 | | 58 | 182 | 50 |
| 264.0 | -13 | 0 | | 66 | 192 | 64 |
| 274.0 | -25 | 1 | | 70 | 194 | 80 |
| 284.0 | -30 | -6 | | 72 | 204 | 86 |
| 294.0 | -34 | -12 | | 74 | 212 | 90 |
| 304.0 | -38 | -17 | | 73 | 217 | 91 |
| 314.0 | -38 | -24 | | 72 | 223 | 90 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|--------|-----|-----|--|----|-----|----|
| 324.0 | -38 | -30 | | 71 | 228 | 90 |
| 334.0 | -39 | -35 | | 71 | 233 | 90 |
| 344.0 | -40 | -39 | | 69 | 235 | 89 |
| 354.0 | -40 | -42 | | 68 | 236 | 89 |
| 364.0 | -41 | -46 | | 67 | 238 | 88 |
| 374.0 | -41 | -48 | | 66 | 238 | 87 |
| 384.0 | -42 | -51 | | 65 | 239 | 86 |
| 394.0 | -41 | -53 | | 64 | 240 | 85 |
| 404.0 | -41 | -55 | | 63 | 240 | 84 |
| 414.0 | -41 | -57 | | 61 | 240 | 83 |
| 424.0 | -41 | -58 | | 60 | 239 | 81 |
| 434.0 | -40 | -60 | | 59 | 239 | 80 |
| 444.0 | -40 | -60 | | 58 | 239 | 79 |
| 454.0 | -39 | -61 | | 57 | 238 | 78 |
| 464.0 | -38 | -62 | | 56 | 238 | 76 |
| 474.0 | -37 | -62 | | 56 | 238 | 75 |
| 484.0 | -36 | -62 | | 55 | 238 | 74 |
| 494.0 | -35 | -63 | | 54 | 237 | 72 |
| 504.0 | -34 | -63 | | 54 | 237 | 71 |
| 514.0 | -33 | -63 | | 53 | 237 | 70 |
| 524.0 | -32 | -63 | | 52 | 237 | 68 |
| 534.0 | -31 | -63 | | 51 | 236 | 68 |
| 544.0 | -30 | -63 | | 51 | 236 | 66 |
| 554.0 | -29 | -63 | | 50 | 236 | 65 |
| 564.0 | -28 | -63 | | 50 | 235 | 64 |
| 574.0 | -27 | -63 | | 49 | 235 | 63 |
| 584.0 | -26 | -63 | | 49 | 235 | 62 |
| 594.0 | -26 | -63 | | 48 | 235 | 61 |
| 604.0 | -25 | -63 | | 48 | 234 | 60 |
| 614.0 | -24 | -63 | | 47 | 235 | 60 |
| 624.0 | -23 | -63 | | 47 | 235 | 58 |
| 634.0 | -23 | -64 | | 46 | 234 | 58 |
| 644.0 | -22 | -64 | | 46 | 234 | 57 |
| 654.0 | -22 | -64 | | 46 | 235 | 57 |
| 664.0 | -22 | -65 | | 45 | 234 | 56 |
| 674.0 | -21 | -65 | | 45 | 235 | 55 |
| 684.0 | -20 | -65 | | 44 | 235 | 55 |
| 694.0 | -20 | -65 | | 44 | 235 | 54 |
| 704.0 | -20 | -66 | | 44 | 235 | 54 |
| 714.0 | -20 | -66 | | 44 | 235 | 53 |
| 724.0 | -19 | -66 | | 43 | 235 | 52 |
| 734.0 | -19 | -67 | | 43 | 234 | 52 |
| 744.0 | -19 | -66 | | 42 | 234 | 51 |
| 754.0 | -19 | -67 | | 42 | 234 | 51 |
| 764.0 | -18 | -67 | | 41 | 234 | 50 |
| 774.0 | -18 | -68 | | 41 | 234 | 49 |
| 784.0 | -18 | -68 | | 40 | 234 | 49 |
| 794.0 | -18 | -68 | | 40 | 233 | 48 |
| 804.0 | -18 | -69 | | 39 | 233 | 47 |
| 814.0 | -18 | -69 | | 39 | 233 | 47 |
| 824.0 | -18 | -70 | | 38 | 233 | 46 |
| 834.0 | -17 | -70 | | 38 | 233 | 45 |
| 844.0 | -17 | -70 | | 37 | 232 | 45 |
| 854.0 | -17 | -70 | | 37 | 232 | 44 |
| 864.0 | -17 | -70 | | 37 | 232 | 43 |
| 874.0 | -16 | -71 | | 36 | 232 | 43 |
| 884.0 | -16 | -71 | | 36 | 232 | 42 |
| 894.0 | -16 | -71 | | 36 | 231 | 41 |
| 904.0 | -16 | -71 | | 35 | 231 | 41 |
| 914.0 | -16 | -71 | | 35 | 231 | 40 |
| 924.0 | -15 | -72 | | 34 | 231 | 39 |
| 934.0 | -15 | -72 | | 34 | 231 | 39 |
| 944.0 | -15 | -72 | | 34 | 231 | 38 |
| 954.0 | -15 | -72 | | 34 | 230 | 38 |
| 964.0 | -15 | -73 | | 33 | 231 | 37 |
| 974.0 | -13 | -73 | | 31 | 228 | 32 |
| 984.0 | -10 | -71 | | 32 | 228 | 32 |
| 994.0 | -9 | -70 | | 31 | 228 | 31 |
| 1004.0 | -10 | -71 | | 31 | 229 | 32 |
| 1014.0 | -9 | -72 | | 31 | 229 | 32 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1

| | | | | | | |
|--------|----|-----|---|----|-----|----|
| 1024.0 | -8 | -70 | I | 31 | 229 | 31 |
| 1034.0 | -6 | -70 | I | 31 | 230 | 31 |

**Strain Measurements Located At C4 On Column E2
(300 mm Below Test Beam)**

Table 4.1