

MSG No. 33.154 P_{Cna2_1} [Type IV, orthorhombic]

Table 1: Wyckoff site: **4a**, site symmetry: $.m'$.

| No. | position | mapping |
|-----|---|--------------|
| 1 | $[x, 0, z]$ | [1,8] |
| 2 | $[-x, 0, z + \frac{1}{2}]$ | [2,7] |
| 3 | $[\frac{1}{2} - x, \frac{1}{2}, z + \frac{1}{2}]$ | [3,6] |
| 4 | $[x + \frac{1}{2}, \frac{1}{2}, z]$ | [4,5] |

Table 2: Wyckoff site: **8b**, site symmetry: **1**

| No. | position | mapping |
|-----|---|------------|
| 1 | $[x, y, z]$ | [1] |
| 2 | $[-x, -y, z + \frac{1}{2}]$ | [2] |
| 3 | $[\frac{1}{2} - x, y + \frac{1}{2}, z + \frac{1}{2}]$ | [3] |
| 4 | $[x + \frac{1}{2}, \frac{1}{2} - y, z]$ | [4] |
| 5 | $[x + \frac{1}{2}, y + \frac{1}{2}, z]$ | [5] |
| 6 | $[\frac{1}{2} - x, \frac{1}{2} - y, z + \frac{1}{2}]$ | [6] |
| 7 | $[-x, y, z + \frac{1}{2}]$ | [7] |
| 8 | $[x, -y, z]$ | [8] |