

MSG No. 8.36 $C_a m$ [Type IV, monoclinic]

Table 1: Wyckoff site: **4a**, site symmetry: m

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

Table 2: Wyckoff site: **4b**, site symmetry: m'

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

Table 3: Wyckoff site: **8c**, site symmetry: 1

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