

MSG No. 33.151  $P_cna2_1$  [ Type IV, orthorhombic ]

Table 1: Wyckoff site: 4a, site symmetry: ...2'

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

Table 2: Wyckoff site: 4b, site symmetry: ...2'

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

Table 3: Wyckoff site: 8c, 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	$[x, y, z + \frac{1}{2}]$	[5]
6	$[-x, -y, z]$	[6]
7	$[\frac{1}{2} - x, y + \frac{1}{2}, z]$	[7]
8	$[x + \frac{1}{2}, \frac{1}{2} - y, z + \frac{1}{2}]$	[8]