MSG No. 34.164 $P_I nn2$ [Type IV, orthorhombic]

Table 1: Wyckoff site: 2a, site symmetry: m'm'2

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

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

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

Table 3: Wyckoff site: 4c, site symmetry: .m'.

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

Table 4: Wyckoff site: 4d, site symmetry: m'..

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

Table 5: Wyckoff site: 8e, site symmetry: 1

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

continued ...

Table 5

No.	position	mapping
7	$[-x,\ y,\ z]$	[7]
8	$[x,\ -y,\ z]$	[8]