MSG No. 28.92 P_ama2 [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	$\left[\frac{1}{2}, 0, z\right]$	[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	$\left[\frac{1}{2}, \frac{1}{2}, z\right]$	[3,4,5,6]

Table 3: Wyckoff site: 2c, site symmetry: mm'2'

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

Table 4: Wyckoff site: 2d, site symmetry: mm'2'

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

Table 5: Wyckoff site: 4e, site symmetry: .m'.

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

Table 6: Wyckoff site: `4f`, site symmetry: `.m'.`

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

Table 7: Wyckoff site: `4g`, site symmetry: `m'..`

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

Table 8: Wyckoff site: `4h`, site symmetry: `m..`

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

Table 9: Wyckoff site: `8i`, site symmetry: `1`

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