MSG No. 28.97 P_Cma2 [Type IV, orthorhombic]

Table 1: Wyckoff site: `2a`, site symmetry: `mm'2'`

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

Table 2: Wyckoff site: `2b`, site symmetry: `mm'2'`

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

Table 3: Wyckoff site: `4c`, site symmetry: `..2`

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

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

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

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

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

Table 6: Wyckoff site: `8f`, 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	$\left[x+\frac{1}{2},\, y+\frac{1}{2},\, z\right]$	`[5]`
6	$\left[\frac{1}{2}-x,\, \frac{1}{2}-y,\, z\right]$	`[6]`
7	$\left[-x,\, y+\frac{1}{2},\, z\right]$	`[7]`
8	$\left[x,\, \frac{1}{2}-y,\, z\right]$	`[8]`