MSG No. 18.20 $P_b2_12_12$ [Type IV, orthorhombic]

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

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

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

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

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

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

Table 4: Wyckoff site: `4d`, site symmetry: `..2`

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

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

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

continued ...

Table 5

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