MSG No. 55.355 $Pb'am$ [Type III, orthorhombic]

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

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

Table 2: Wyckoff site: `2b`, site symmetry: `..2'/m`

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

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

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

Table 4: Wyckoff site: `2d`, site symmetry: `..2'/m`

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

Table 5: Wyckoff site: `4e`, site symmetry: `..2'`

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

Table 6: Wyckoff site: `4f`, site symmetry: `..2'`

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

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

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

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

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

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

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