MSG No. 24.54 $I2_12_12_11'$ [Type II, orthorhombic]

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

No.	position	mapping
1	$\left[x,\ 0,\ \frac{1}{4}\right]$	`[1,2,9,10]`
2	$\left[\frac{1}{2}-x,\ 0,\ \frac{3}{4}\right]$	`[3,8,11,16]`
3	$\left[-x,\ \frac{1}{2},\ \frac{1}{4}\right]$	`[4,7,12,15]`
4	$\left[x+\frac{1}{2},\ \frac{1}{2},\ \frac{3}{4}\right]$	`[5,6,13,14]`

Table 2: Wyckoff site: `4b`, site symmetry: `.2.1'`

No.	position	mapping
1	$\left[\frac{1}{4},\ y,\ 0\right]$	`[1,3,9,11]`
2	$\left[\frac{1}{4},\ -y,\ \frac{1}{2}\right]$	`[2,8,10,16]`
3	$\left[\frac{3}{4},\ \frac{1}{2}-y,\ 0\right]$	`[4,6,12,14]`
4	$\left[\frac{3}{4},\ y+\frac{1}{2},\ \frac{1}{2}\right]$	`[5,7,13,15]`

Table 3: Wyckoff site: `4c`, site symmetry: `..21'`

No.	position	mapping
1	$\left[0,\ \frac{1}{4},\ z\right]$	`[1,4,9,12]`
2	$\left[0,\ \frac{3}{4},\ \frac{1}{2}-z\right]$	`[2,7,10,15]`
3	$\left[\frac{1}{2},\ \frac{1}{4},\ -z\right]$	`[3,6,11,14]`
4	$\left[\frac{1}{2},\ \frac{3}{4},\ z+\frac{1}{2}\right]$	`[5,8,13,16]`

Table 4: Wyckoff site: `8d`, site symmetry: `11'`

No.	position	mapping
1	$[x,\ y,\ z]$	`[1,9]`
2	$\left[x,\ -y,\ \frac{1}{2}-z\right]$	`[2,10]`
3	$\left[\frac{1}{2}-x,\ y,\ -z\right]$	`[3,11]`
4	$\left[-x,\ \frac{1}{2}-y,\ z\right]$	`[4,12]`
5	$\left[x+\frac{1}{2},\ y+\frac{1}{2},\ z+\frac{1}{2}\right]$	`[5,13]`
6	$\left[x+\frac{1}{2},\ \frac{1}{2}-y,\ -z\right]$	`[6,14]`
7	$\left[-x,\ y+\frac{1}{2},\ \frac{1}{2}-z\right]$	`[7,15]`
8	$\left[\frac{1}{2}-x,\ -y,\ z+\frac{1}{2}\right]$	`[8,16]`