MSG No. 35.167 $Cm'm2'$ [Type III, orthorhombic]

Table 1: Wyckoff site: `2a`, site symmetry: `m'm2'`

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

Table 2: Wyckoff site: `2b`, site symmetry: `m'm2'`

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

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

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

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

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

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

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

Table 6: Wyckoff site: `8f`, site symmetry: `1`

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