MSG No. 37.184 C_ccc2 [Type IV, orthorhombic]

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

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

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

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

Table 3: Wyckoff site: `8c`, site symmetry: `..2`

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

Table 4: Wyckoff site: `8d`, site symmetry: `.m'.`

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

Table 5: Wyckoff site: `8e`, site symmetry: `m'..`

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

Table 6: Wyckoff site: `16f`, site symmetry: `1`

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