

MSG No. 35.166 *Cmm21'* [Type II, orthorhombic]

Table 1: Wyckoff site: **2a**, site symmetry: **mm21'**

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

Table 2: Wyckoff site: **2b**, site symmetry: **mm21'**

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

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

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

Table 4: Wyckoff site: **4d**, site symmetry: **.m.1'**

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

Table 5: Wyckoff site: **4e**, site symmetry: **m..1'**

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

Table 6: Wyckoff site: 8f, site symmetry: 11'

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