

MSG No. 80.30 $I4_11'$ [Type II, tetragonal]

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

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

Table 2: Wyckoff site: 8b, site symmetry: 11'

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