

MPG No. 22.2.80  $\bar{6}1'$  [ Type II, hexagonal ]

Table 1: Wyckoff site: **1o**, site symmetry:  $\bar{6}1'$

No.	position	mapping
1	[0, 0, 0]	[1,2,3,4,5,6,7,8,9,10,11,12]

Table 2: Wyckoff site: **2a**, site symmetry:  $3..$

No.	position	mapping
1	[0, 0, $z$ ]	[1,2,3,7,8,9]
2	[0, 0, $-z$ ]	[4,5,6,10,11,12]

Table 3: Wyckoff site: **3b**, site symmetry:  $m..$

No.	position	mapping
1	[ $x$ , $y$ , 0]	[1,5,7,11]
2	[ $-y$ , $x - y$ , 0]	[2,6,8,12]
3	[ $-x + y$ , $-x$ , 0]	[3,4,9,10]

Table 4: Wyckoff site: **6c**, site symmetry: **1**

No.	position	mapping
1	[ $x$ , $y$ , $z$ ]	[1,7]
2	[ $-y$ , $x - y$ , $z$ ]	[2,8]
3	[ $-x + y$ , $-x$ , $z$ ]	[3,9]
4	[ $x$ , $y$ , $-z$ ]	[5,11]
5	[ $-y$ , $x - y$ , $-z$ ]	[6,12]
6	[ $-x + y$ , $-x$ , $-z$ ]	[4,10]