

MSG No. 17.8 $P222_11'$ [Type II, orthorhombic]

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

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

Table 2: Wyckoff site: 2b, site symmetry: $2..1'$

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

Table 3: Wyckoff site: 2c, site symmetry: $.2.1'$

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

Table 4: Wyckoff site: 2d, site symmetry: $.2.1'$

No.	position	mapping
1	$[\frac{1}{2}, y, \frac{1}{4}]$	$[1, 3, 5, 7]$
2	$[\frac{1}{2}, -y, \frac{3}{4}]$	$[2, 4, 6, 8]$

Table 5: Wyckoff site: 4e, site symmetry: $11'$

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