**APPENDIX B. DETAILED MEASURED SECTION**

**FIGURE CAPTIONS**

B1. Stratigraphic sections of the Atzompa Formation. A) Las Pozas member, B) La Magdalena Member, C) explanation of lithofacies codes, which correspond to facies and facies association codes in Tables 2 and 3. The numbers in the left side of the stratigraphic columns corresponds to meters.

B2. Stratigraphic section of Santa Marta member.. The codes correspond to facies and facies association code in Table 2 and Table 3. Facies codes and symbols as in Figure 3. The numbers in the left side of the stratigraphic columns corresponds to meters.

B3. Stratigraphic section of Santa Marta member. The codes correspond to facies and facies association code in Table 2 and Table 3. Facies codes and symbols as in Figure 3. The numbers in the left side of the stratigraphic columns corresponds to meters.

B4. A). Stratigraphic section of Pozo Grande Member. B). Stratigraphic section for the El Calvario Member. The codes and symbols correspond to facies and facies association codes in Tables 2 and 3 and Figure B1. The numbers in the left side of the stratigraphic columns corresponds to meters.