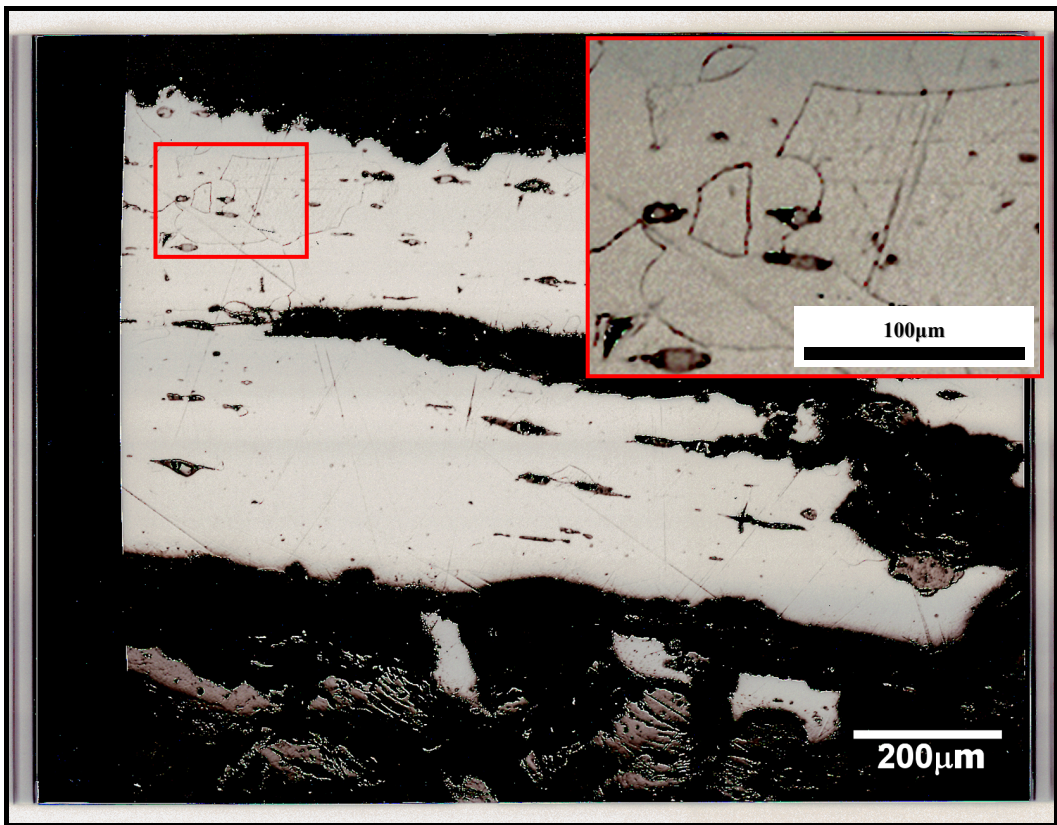
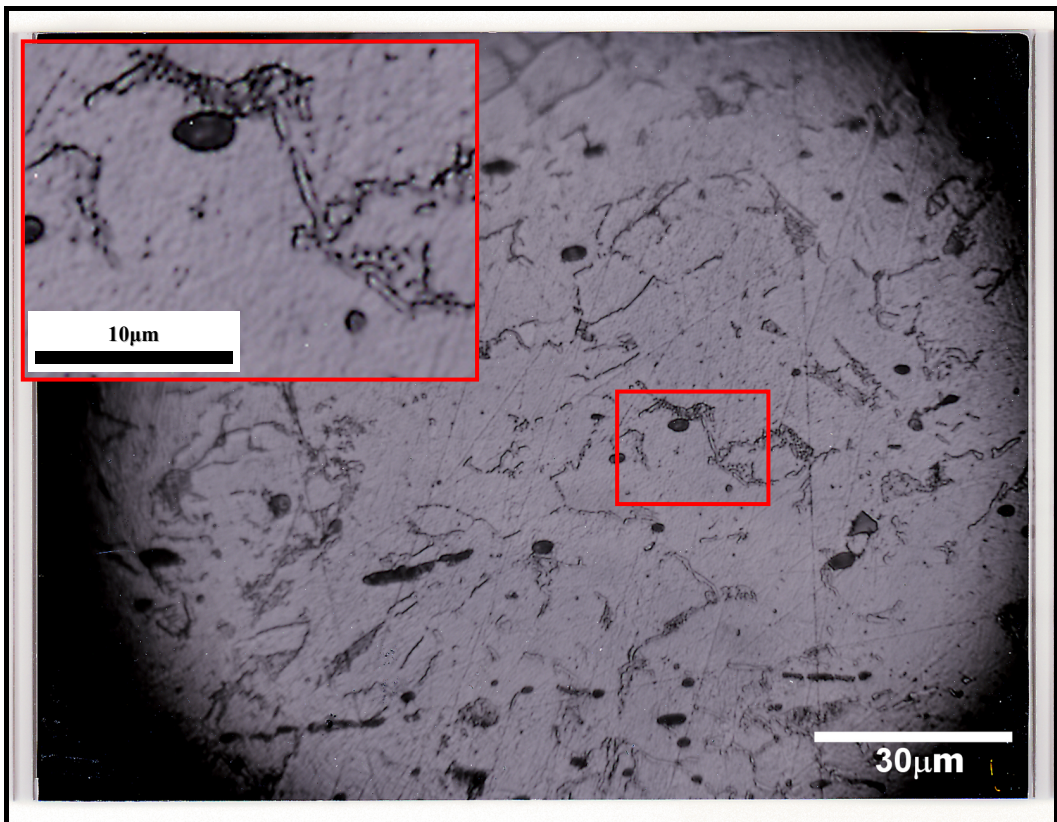


APPENDIX E

**MICROSTRUCTURES OF THE THREE PALACE ARMOURY
MUNITION ARMOUR SAMPLES SELECTED FOR CROSS-
SECTION INVESTIGATIONS**

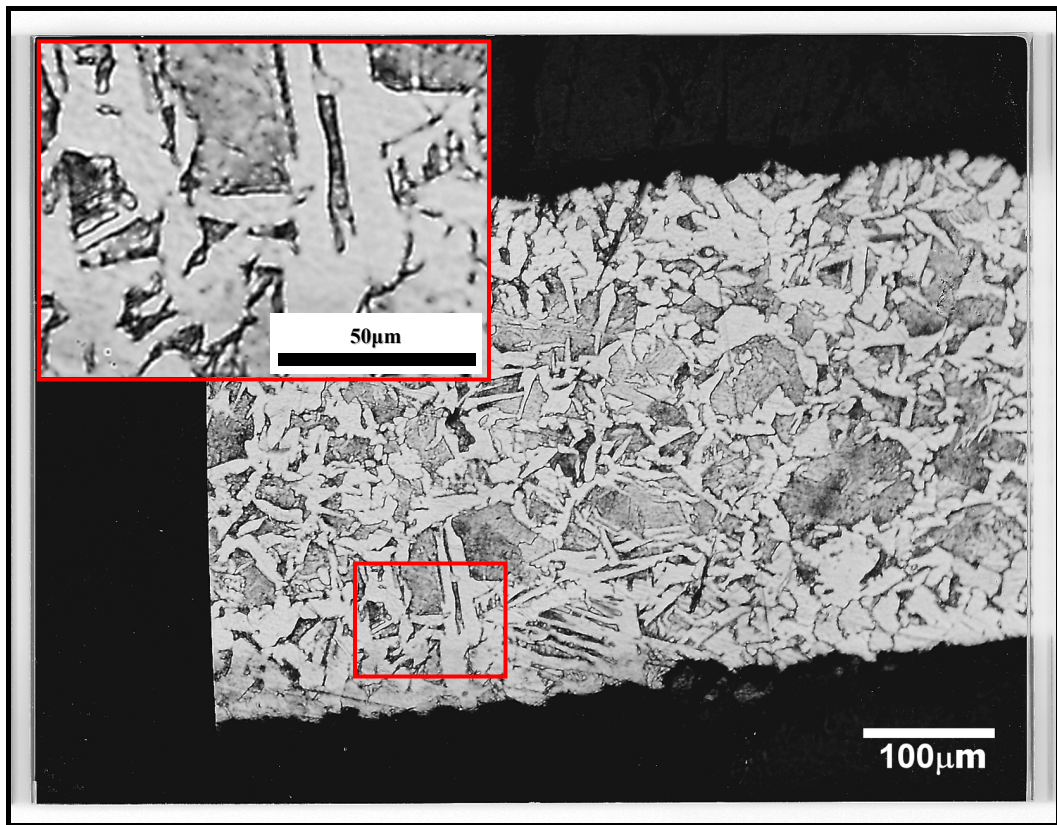


Main: Metallographic overview of ferritic sample from Pauldron (part) PA RC 166
Inset: Detail of slag inclusions and ferrite grain boundaries¹



Main: Metallographic overview of ferrite, carbides and slag inclusions in sample from Pauldron PA 316
Inset: Detail of carbides and slag in ferrite²

¹ Unpublished image courtesy of author, D. Vella & corresponding with Vella et al., 2004, p. 223
² Vella et al., 2004, p. 227



Main: Metallographic overview of Widmanstätten ferrite-pearlite in sample from Backplate PA 329

Inset: Detail of ferrite grains and pearlite³

Reference:

Vella, D., Degriigny, C., Williams, A. & Grech, M. (2004). Metallurgy of armour exhibited at the Palace Armoury Valletta, Malta. Metal 04 Proceedings of the international conference on metals conservation, Canberra, National Museum of Australia, J. Ashton & D. Hallam (eds.). National Museum of Australia. 215-233.

³ Ibid., p. 224