1120-46-233 **Allan Donsig*** (`adonsig@unl.edu`), **Adam Fuller** and **David Pitts**. *von Neumann Algebras and inverse semigroups (part I).*

Recently, Adam Fuller, David Pitts, and I developed a reformulation of Feldman-Moore's classification of von Neumann algebras containing Cartan MASAs in terms of certain extensions of inverse semigroups. Here, we show the classification extends to von Neumann algebras containing a regular abelian subalgebra with a conditional expectation onto the commutant of the subalgebra. (Received February 22, 2016)

1