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Kenneth Lee Price* (pricek@uwosh.edu), 800 Algoma Boulevard, Department of Mathematics, University of Wisconsin Oshkosh, Oshkosh, WI 54901. *Good Gradings of Incidence Rings*.

An incidence ring is a ring of functions defined on a preordered set with relations. For a nontrivial group G there is often a subset of the relations, called a G -grading set, which completely determines all good G -gradings of an incidence ring. The speaker will present an extension of Molli Jones's construction to good group gradings for incidence rings over preorders with crosscuts of length one or two. (Received September 12, 2012)