

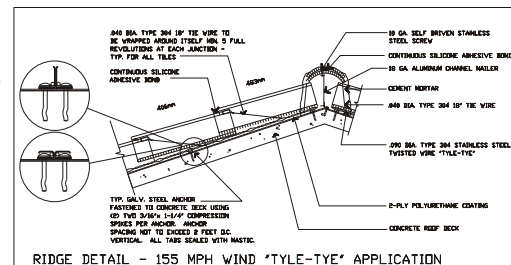
M.C.A. SPECIAL TILE FASTENING METHODS (PART 2)

HIGH WIND APPLICATIONS UP TO 155 MPH USING TWISTED WIRE WITH SILICON SYSTEM

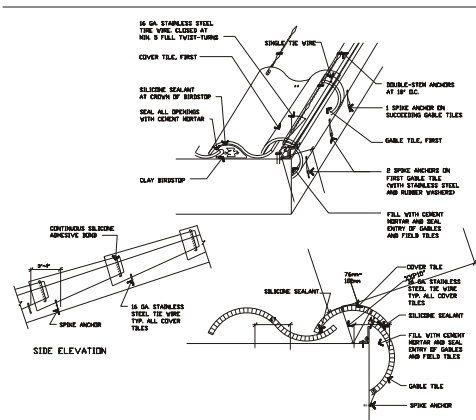
Case study: Leo Palace Resort, Guam
 Typhoon experience: November 1991 Typhoon "Yuri"
 Maximum wind speed approximately 165 mph
 August 1992 Typhoon "Dmar"
 Maximum wind speed approximately 195 mph

Important Note to Specifier:

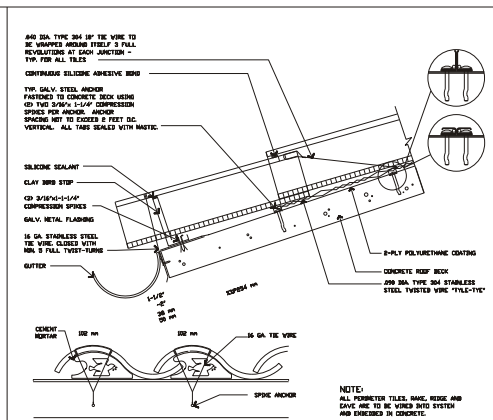
M.C.A. supplied over 6,000 squares of One Piece "S" tile to the Leo Palace Resort in Guam from 1991 to 1992. During that time, two large typhoons hit Guam Island. Both typhoons had over 155 mph winds and most of the clay tile survived the high winds. Some roofs had damage due to flying objects hitting the roof. However, the twisted wire system with silicon application kept wind damage to a minimum on this project. It is very important that the specifier enforce detailed installations at the gable, eave, ridge and quality workmanship on the specifications. This system may not apply to other manufacturers of clay tile due to quality difference and nesting of the tile. For more details, please contact M.C.A.'s sales department.



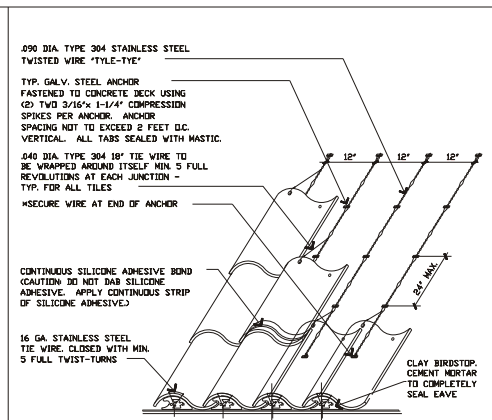
RIDGE DETAIL - 155 MPH WIND 'TYLE-TYE' APPLICATION



SILICON / 'TYLE-TYE' GABLE DETAIL (155 MPH)



SILICON APP. / 'TYLE-TYE' AT DECK EAVE



SILICON / 'TYLE-TYE' FIELD DETAIL