

TIMBER REPAIR KEY

EXISTING TRUSS TO RECEIVE BOLTS AND PLATES FOR SHAKES (SEE DETAIL 1) SHOWN THUS: *

EXISTING TRUSS TO RECEIVE BOLTS AND PLATE FOR SHAKES WITH RESIN INFILL (SEE DETAIL 2) SHOWN THUS: #

EXISTING PURLIN TO RECEIVE BOLTS & PLATES TO DAMAGED AREA (SEE DETAIL 3) SHOWN THUS: \$

ALL MISSING TRUSS WEB MEMBERS TO BE REINSTATED

ALL RAFTERS TO BE INSPECTED & REPLACED IN AREAS OF SEVERE DETERIORATION

REPLACE ALL EXTERNAL LINTELS OVER WINDOWS SIZE TO MATCH EXISTING

ALL BEAMS IN PLANE OF SUPPORTING WALL TO BE GIVEN A MIN. BEARING OF 300mm

WALL PLATES TO BE INSPECTED UPON REMOVAL OF ROOF COVERING & REPLACED AS REQUIRED

ALL TIMBERS TO BE TREATED WITH BORON GEL BY BOKIL (OR SIMILAR)

Repair Procedure

- Carefully remove existing tiles.
- Remove all rafters & dispose of deteriorated rafters which no longer have structural integrity and need to be replaced.
- Remaining roof structure to be recorded and removed as required to facilitate repairs to the timber trusses & purlins.
- Treat roof timbers with suitable wood preservative to combat fungus attack and wood boring insect.
- Stiffen existing purlins suffering from excessive deflection with bolted steel plates top and bottom, see detail.
- Repair existing truss where severe wet rot has occurred in principal rafter by splicing in a new section of timber, with timber to match existing and sikadur 32 hi-mod epoxy adhesive (or similar).
- Repair purlins suffering from shakes through grouting shakes with sikadur 32 hi-mod epoxy adhesive (or similar) and bolting as required.
- Realign trusses & purlins.
- Install new C16 rafters to suit proposed roof windows.
- Install insulation, breathable membrane, tiling battens and roof covering

D	UPDATED REPAIR PROCEDURE TO SUIT COMMENTS	J.T.	18.08.21
C	UPDATED REPAIR PROCEDURE	J.T.	30.07.21
B	UPDATED TO CONSTRUCTION	J.T.	23.07.21
A	UPDATED TO SUIT SITE SURVEY	G.P.S	06.05.20
REV	DESCRIPTION	BY	DATE
		CHKD	DATE

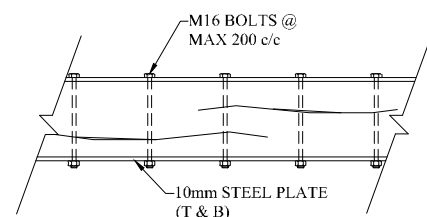
DESIGNERS CDM NOTES

ALL WORKS TO BE CARRIED OUT BY A COMPETENT CONTRACTOR, WORKING TO AN APPROVED SAFE SYSTEM OF WORK, INCLUDING A DETAILED RAMS DOCUMENT

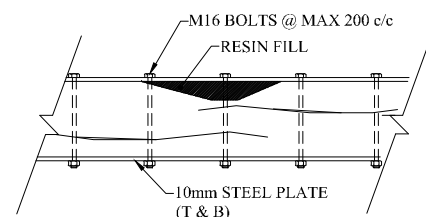
RESIDUAL RISK REGISTER

IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING:

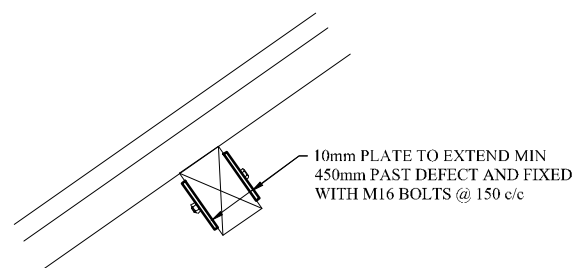
DESCRIPTION	IDENTIFIED RISK / HAZARD



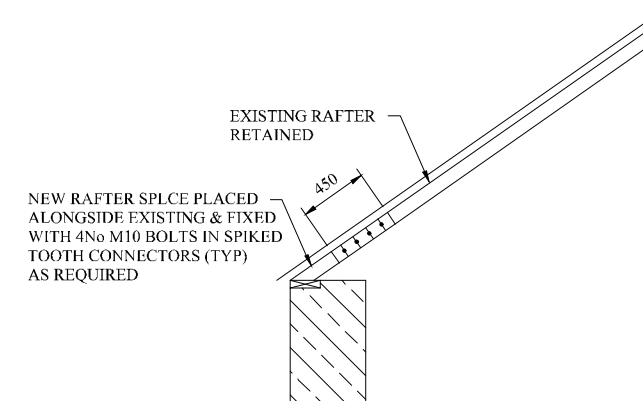
DETAIL 1 - TYPICAL BOLT AND PLATE REPAIR TO TRUSS (1:10)



DETAIL 2 - TYPICAL BOLT AND PLATE REPAIR WITH RESIN INFILL (1:10)



DETAIL 3 - TYPICAL BOLT AND PLATE REPAIR WITH RESIN INFILL (1:10)



RAFTER TIP REPAIR DETAIL (1:25)

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Client **THE SEZINCOTE ESTATE**
 Project **THE PIGGERIES HOME FARM SEZINCOTE ESTATE MORETON-IN-MARSH**
 Drawing **BARN 2 ROOF STRUCTURE PLAN SECTIONS & DETAILS**

Status **CONSTRUCTION**
 Scale **1:50 UNO** Leaf **A1**
 Drawn **J.T.** Date
 Checked Date
 Project No. **19055**
 Drawing No. **41** Revision **D**