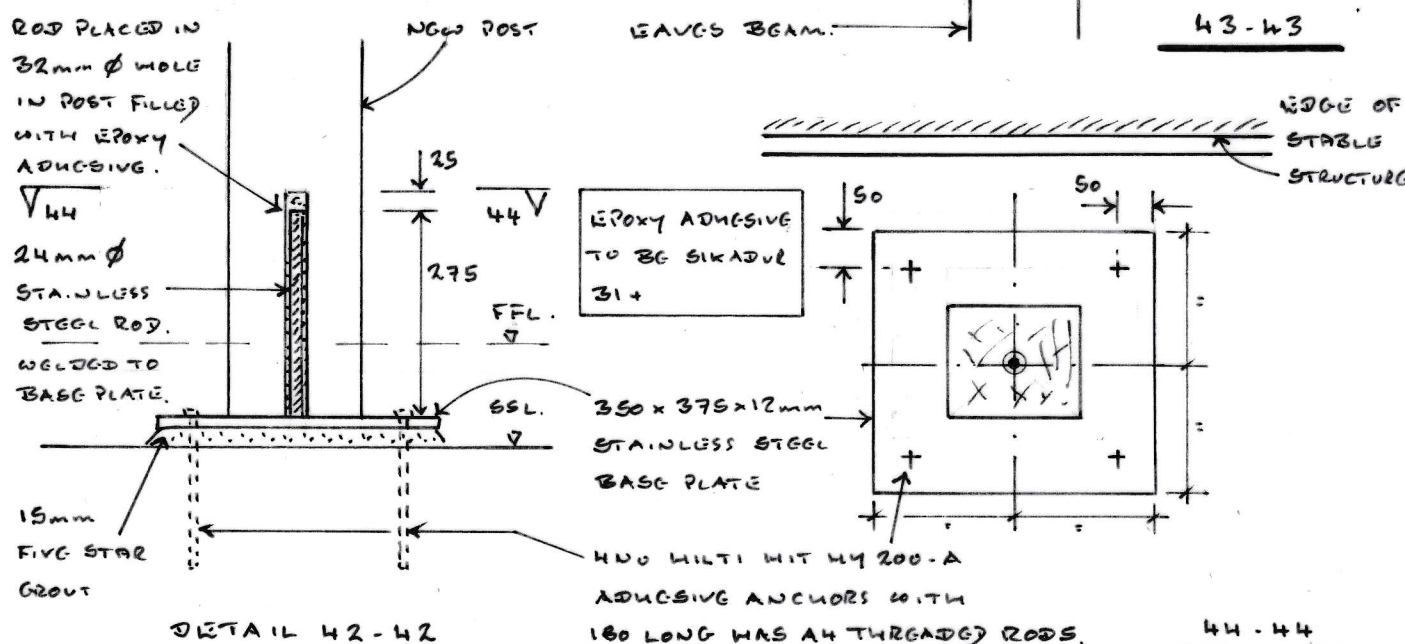
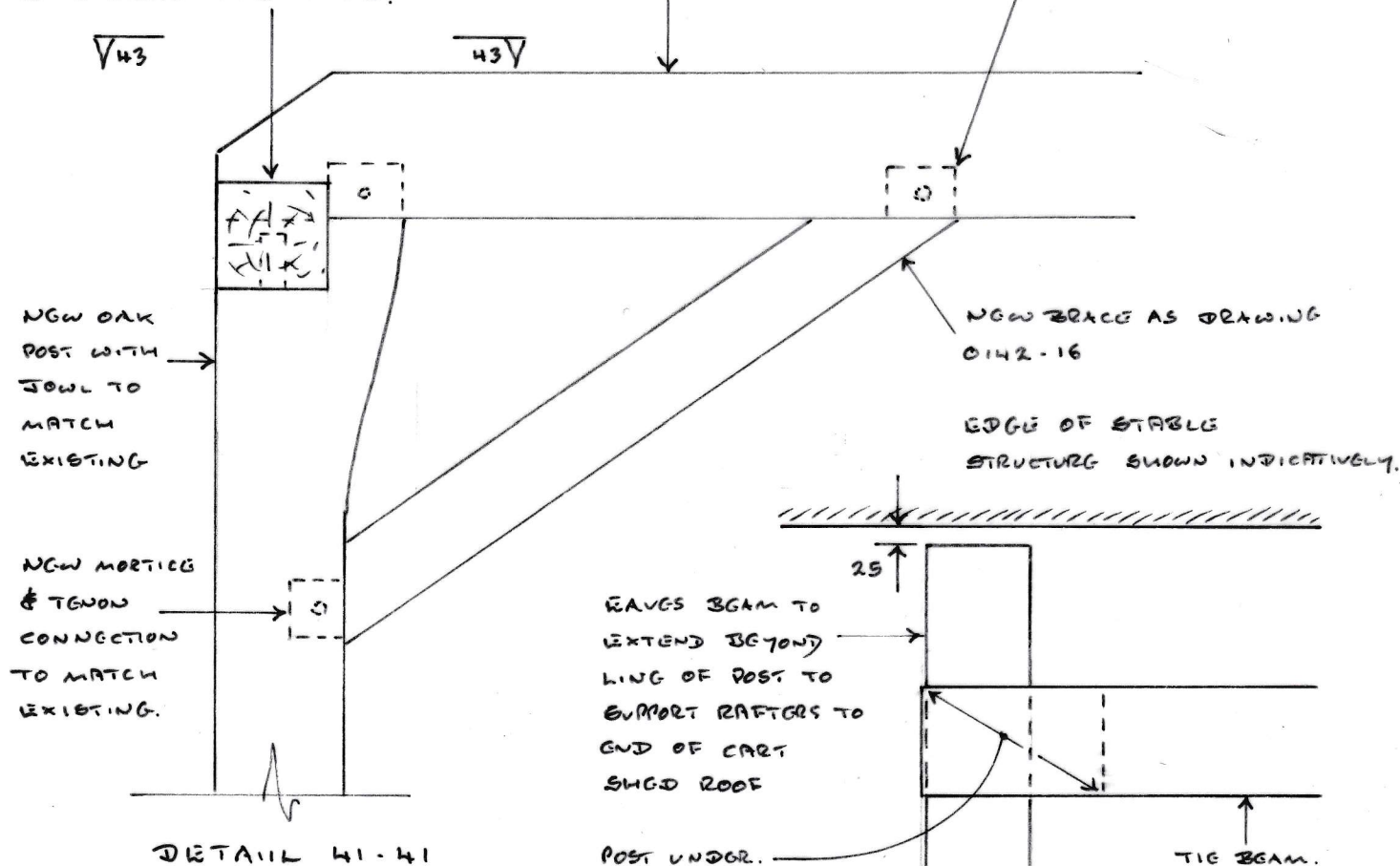


NEW LEAVES BEAM AS
DRAWING 0142-12
CONNECTED TO TIE BEAM
& POST TO MATCH
EXTG CARPENTERED JOINTS.

EXISTING 130x180mm DP
TIE BEAM CONNECTED TO LEAVES
BEAM & POST TO MATCH EXTG
CARPENTERED JOINTS.

NEW BRACE CONNECTED
TO TIE BEAM REUSING
EXTG MORTICE, PEGGED
IN POSITION.



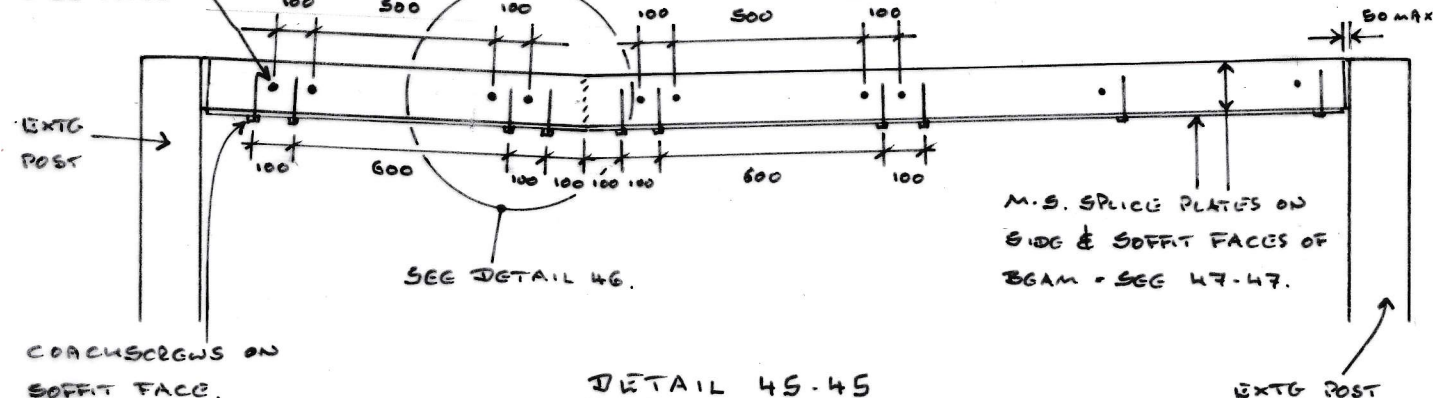
EPoxy ADHESIVE
TO BG SIKADUR
31+

350x375x12mm
STAINLESS STEEL
BASE PLATE

400 MULTI MIX 44 200-A
ADHESIVE ANCHORS WITH
160 LONG HAS A4 THREADED RODS.

EXISTING TIMBER GAVES BEAM
~ 150x136mm DEEP

COACHSCREWS ON
SIDE FACE



M.S. PLATE TO SIDE
FACE OF BEAM AS
47-47.

M.S. PLATE TO SOFFIT
OF BEAM AS 47-47.

EXTG LEAVES
BEAM.

10x125mm M.S.
PLATE TO SIDE
FACE OF EXTG
BEAM.

150x10mm M.S.
PLATE TO SOFFIT
OF EXTG BEAM.

BOTH M.S. PLATES PROFILED
TO SUIT DEFLECTED SHAPE OF
LEAVES BEAM. USE PLY
SUGGONG TO ACT AS TEMPLATE
FOR FABRICATION TO ENSURE
FIT.

DETAIL 45-45

DETAIL 46 (~1:5)

47-47 (~1:5)

PROVISIONAL DETAIL - BASED ON SPLIT IN
BEAM c.1.0m FROM POST. DETAIL TO BE
CONFIRMED FOLLOWING FULL DETAILED
INSPECTION BY TIMBER FRAMER.

M.S. SPICE PLATES ON
SIDE & SOFFIT FACES OF
BEAM - SEE 47-47.

ZONE OF FRACTURE IN BEAM
SHOWN INDICATIVELY.

FULL PENETRATION BUTT
WELD GROUND DOWN TO
FACE OF EACH PLATE.

ALL COACHSCREWS TO BE M12
MIN 90mm EMBEDMENT
INTO TIMBER. MAX SPACING
OF COACHSCREWS = 600mm.
SPACING AS DETAILS 45-45 &
46.

NOTES

- This drawing is to be read in conjunction with all relevant architect's and engineer's drawings and the specification.
- This drawing is based on existing plans of the building prepared by Baker Brown dated Aug 2021.

Project: Barn at Brook Farm, Brook Street, Cuckfield

Sketch title: Cart Barn Details - Sheet 3

Sketch No: 0142 / 27

Rev:

Andrew Turner

Engineering

Date: Apr 2025

Scale: 1:20 & 1:10 at A3 Size

29.04.25 ISSUED FOR COMMENT

Rev Date Amendment