OAKELEY SLATE QUARRIES
LOWER QUARRY

EASTON & ANDERSON'S PLAN
FOR THE ELECTRICALLY
DRIVEN INCLINE IN
CHAMBER 1-9
OLD VEIN
1899
Oakeley Slate Quarries

Upper Quarry
Twr Babl
Untopping Incline
(Steam Power)
Ca. 1900

Original plans show window openings of angled form, but remains are square form as shown dotted.

Original plans were for a shorter boiler house for four boilers, as shown in red, but modified before construction to six boilers as shown.
Plans show boilers of "Cornish" type.

Steam engine shown as in the original plans. Cylinder & Stroke scaled.
It has not proved possible to completely reconcile the roof and window positions shown on the original plans with the physical remains.

Diagram to show
Electrification changes
1906-7

200HP BS90 AC Motor

Liquid Controller

New link to Stage Levers

Air Compressor (Schram & Co. Ca. 1900)

Motor & Controller positions based on photograph.

Scale: 0 2 4 6 8 10 12 20
Drum and beam dimensions taken from the 1922 No.5 incline which re-used the Ffridd equipment.

Steam engine conjectural, based on Robey duplex for Votty & Bowydd "New Robey" Incline.

Boilers conjectural "Cornish" type, based on the boiler seatings in the boiler house and Twr Babi plans.
OAKELEY SLATE

QUARRIES
LOWER QUARRY
FFRIDD INCLINE
1906 - 1914

Electric Worked
Arrangement similar to C-Incline. Motor on raised plinth boarded around to give 1st floor. Position of controller and overflow tank based on photographs.
OAKELEY SLATE QUARRIES - LOWER QUARRY

PROPOSAL (?) TO ELECTRIFY DE-G WATER BALANCE INCLINE  n.d.

For an original entitled hand-dated but coloured drawing. Note not all detail given, only one timber frame shown etc. No scale or dimensions marked.