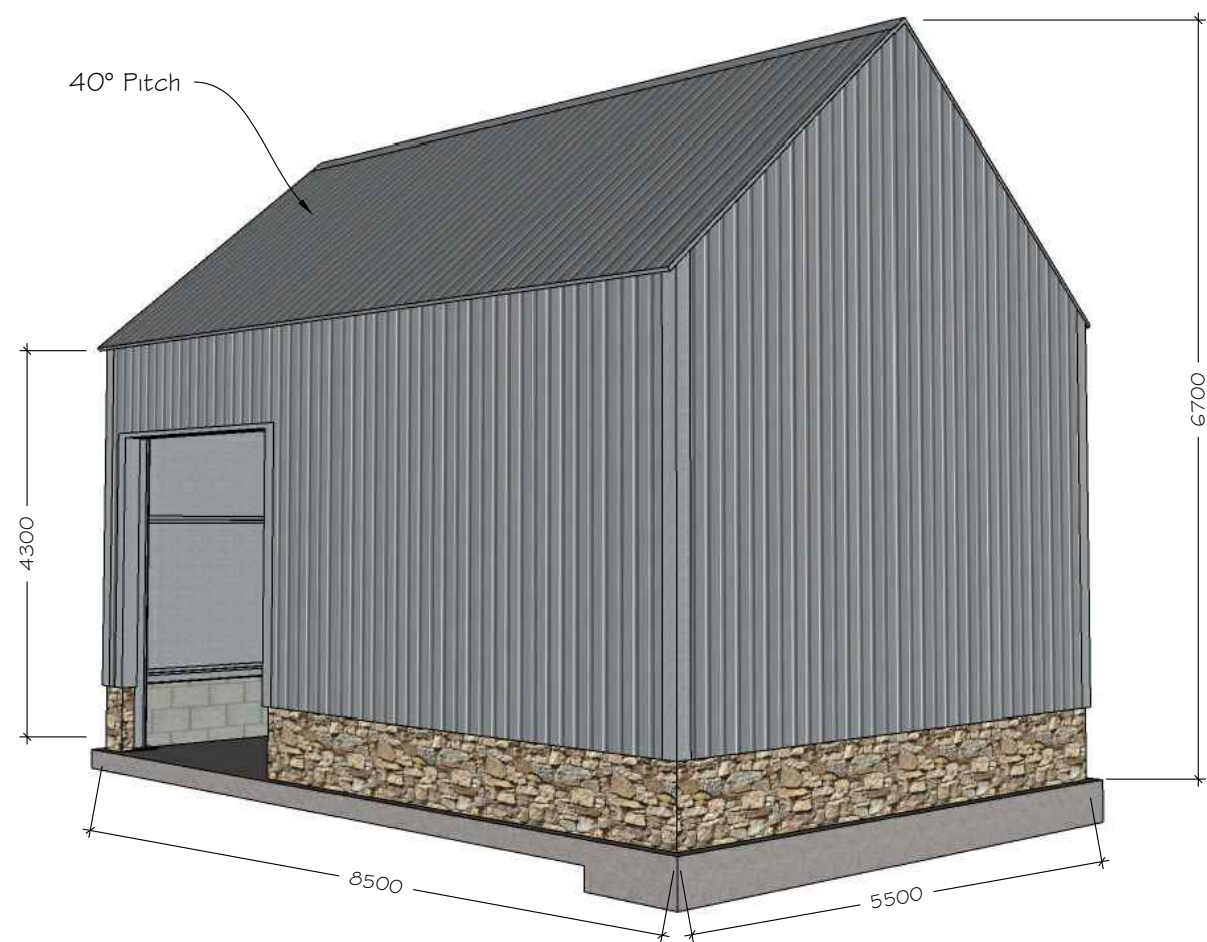


Agricultural Store / Outbuilding - Reinstatement of Collapsed Storm Damaged Building - Initial Proposal



Pic 1. Proposed concept structure - guide dimensions taken during initial visit and scaled from photograph of existing - actual dimensions adjusted to match detailed measurement of remaining floor elements.



Pic 2. Photograph of structure pre-event and demolition used as reference

Comment on proposed rebuilding arrangement requirements

- Prior to any building works commencement it would be recommended that Planning Consent be obtained, for which the application will require proposal drawings and a supporting ecological survey.
- Building Regulations will apply and approval by the local authority will be required.
- Any scheme of works will require a method of working that will prevent any contamination of the adjacent watercourse / brook.
- The existing slab will require removal.
- The bank of the adjacent watercourse will likely require some consolidation works..
- The concept design as proposed herein is based on the type, form and dimensions of the pre-existing building, with modern building methods and arrangements introduced.
- The proposal consists of a steel reinforced concrete ground slab with a galvanised steel portal frame and upper floor beams, block and stone cladding perimeter low level walls and profiled metal sheet cladding to walls and roof.
- It should be noted that this is a draft proposal with principal information to progress the design of a replacement building based on limited information, which is to be developed. This document is not suitable for planning application or construction.



Marshall Byrne Architecture Ltd
Chartered Surveying & Historic Building Consultancy

41a High St., Cowbridge, Vale of Glamorgan, CF71 7AE • ask@marshallbyrne.com

Project	Blaennant Sun Y Nant Barn Replacement
Site Address	Cilybebyll, Pontardawe, Port Talbot, SA8 3JH
Client	Dale Maintenance
Purpose / Stage	Concept

Overview Of Proposed Concept Works

Scale	NTS	Issue Date	Nov 2022
Drawing No.		Revision.	
2244-T-01	-	Page Format.	A3



Pic.3 There is a concrete floor slab remaining that was designed for use as a milking shed, which has a central channel for collection of cattle waste that could be washed directly into the brook (which would no longer be allowed). The site slopes downward toward the brook, which has a dry stone wall facing to the bank. Building in such close proximity to the brook will add complexity.



Pic.6 View of slab / perimeter toward South West.



Pic.4 The remaining substructure walls viewed from the South West aspect - natural stone walling used to form the perimeter along the sloping site. A small section of concrete block wall was present to the front elevation only



Pic.7 View of slab / perimeter toward North West (vehicle entrance point).



Pic.5 Concrete floor slab - remnants of division panels and feeding trough along the rear wall base.



Pic.8 View of slab / perimeter toward North East. Note the close proximity of the rock face bank and level of vegetation earth above slab level



Marshall Byrne Architecture Ltd
Chartered Surveying & Historic Building Consultancy

41a High St., Cowbridge, Vale of Glamorgan, CF71 7AE • ask@marshallbyrne.com

Project	Blaennant Swan Nant Barn Replacement
Site Address	Cilybebyll, Pontardawe, Port Talbot, SA8 3JH
Client	Dale Maintenance
Purpose / Stage	Concept

Annotated Photographic Record

Scale NTS

Drawing No.

2244-T-02

Revision.

-

Issue Date Nov 2022

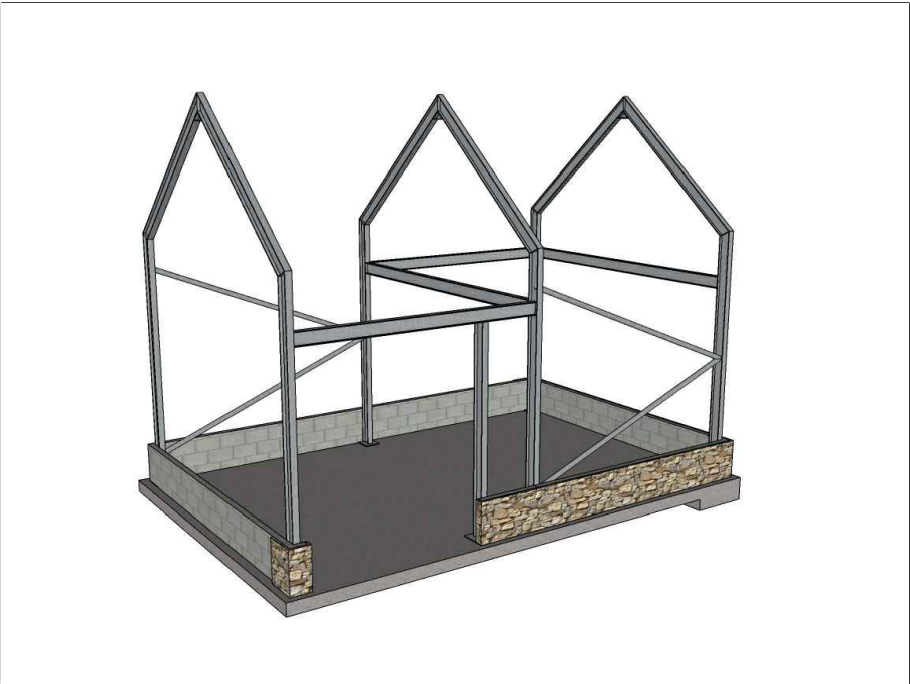
Page Format.

A3

Proposed Concept Structure and Assembly Arrangements



Pic.9 Proposed concept substructure as a reinforced concrete raft with thickened section possibly required to end in close proximity to the brook (where some bank walling will require reinstatement also). Galvanised portal steel frame with lateral bracing and beams for heads of openings and forming structural support for partial upper floor store



Pic.10 100 mm thick blockwork wall 3 course height to perimeter, with West and South facing blockwork being clad in natural stone 'Z Cladding'.



Pic.11 Tanalised timber joists spanning between structural suspended floor members to provide storage accommodation to domestic floor standard capacity (1.5kN/m2). P5 Grade 18mm T&G flooring as deck. Soffit left exposed.



Pic.12 Z Section galvanised purlins as cladding rails to walls and roof



Pic.13 Galvanised 32 / 1000 profile metal sheet cladding with associated cover flashings / trims to ridge, corners and vehicle opening. (The finish could be powder coated - typically Juniper green or Vandyke brown to farm buildings)

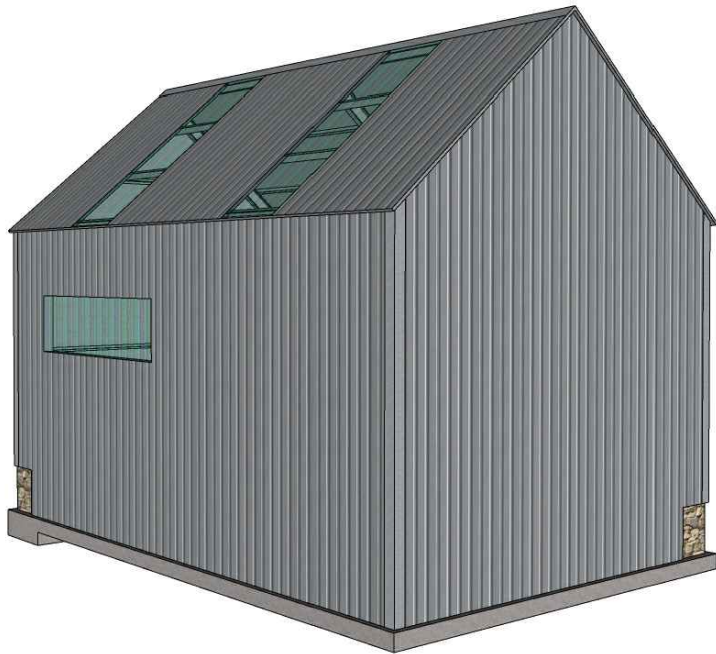
Proposed Concept Illustrations



Pic. 14 Front & Side Aspect Elevation (South West)
Galvanised 32/1000 metal profile sheet cladding to walls and roof
Natural stone cladding to height of approximately 650 mm



Pic. 15 Rear & Side Elevation (South East)
Side adjacent to brook proposed to have stone cladding to appx 650mm
Clear polycarbonate profile sheets to form window and optional rooflights



Pic. 16 Rear & Side Elevation (North East).
Cladding continued to ground level



Pic. 17 Front & Side Elevation (North West).
Vehicle Entrance Opening dimension appx 2800 wide x 3300 height)
'Barn Door' style on existing although replacement likely to be proposed as roller shutter



Marshall Byrne Architecture Ltd
Chartered Surveying & Historic Building Consultancy

41a High St., Cowbridge, Vale of Glamorgan, CF71 7AE • ask@marshallbyrne.com

Project	Blaennant Swn Y Nant Barn Replacement
Site Address	Cilybebyll, Pontardawe, Port Talbot, SA8 3JH
Client	Dale Maintenance
Purpose / Stage	Concept

Annotated Aspect Illustrations

Scale	NTS	Issue Date	Nov 2022
Drawing No.	2244-T-04	Revision.	-
		Page Format.	A3