



Project Title:

The Stables, Hinchliffe Mill

Project No:

186-59

Prepared by:

KGP

Date:

16/04/2024

Checked by:

Date:

Summary of Structural Elements as indicated on Sketches on sheets 3 and 4:

****Unless noted otherwise all steel is to be Grade S355 to BS EN 1090-1 Exec Class2****

Ref	Item	Size	Comment
Roof to original stables	Hip rafters	2No 250 x 50 C24 Bolted together with min 3No M16 Gr 8.8 bolts and overside washers	Note 4No hip rafters required. All hip rafters to be birdsmouthed at wall plate
	Main rafters	Minimum size 150 x 50 C24 at 600 centres	All rafters birdsmouthed at wall plate
Roof to new Extension	Rafters	Minimum size 150 x 50 C24 at 400 centres	All rafters birdsmouthed at wall plate
	Ridge Purlins	250 x 75 C24	Supported on internal wall or timber A frame
	Ridge Purlin Support	Options: A - C24 Timber A frame formed in 100 SQ timbers B – Build up wall to roof underside	
FFL Beam B1	Beams	Use minimum 3No Naylor R9	
FFL Beam B2	Beams	Use minimum 3No Naylor R6	
GFL Beam B3	Beams	Use minimum 3No Naylor R6	
FFL Structure	Joists	Use JJI 300C (James Jones - see sheet 15 in calcs)	Similar by specialist design permitted
Foundations	Beam	600 x 200 C35 concrete	To be cast on natural ground expected to be sandstone or weathered sandstone subject to BCO site inspection
Garage Floor	Precast Concrete Units	Precast concrete planks designed by specialist	Units to support Self weight 63mm concrete screed Live Load 2.5kN/m ²