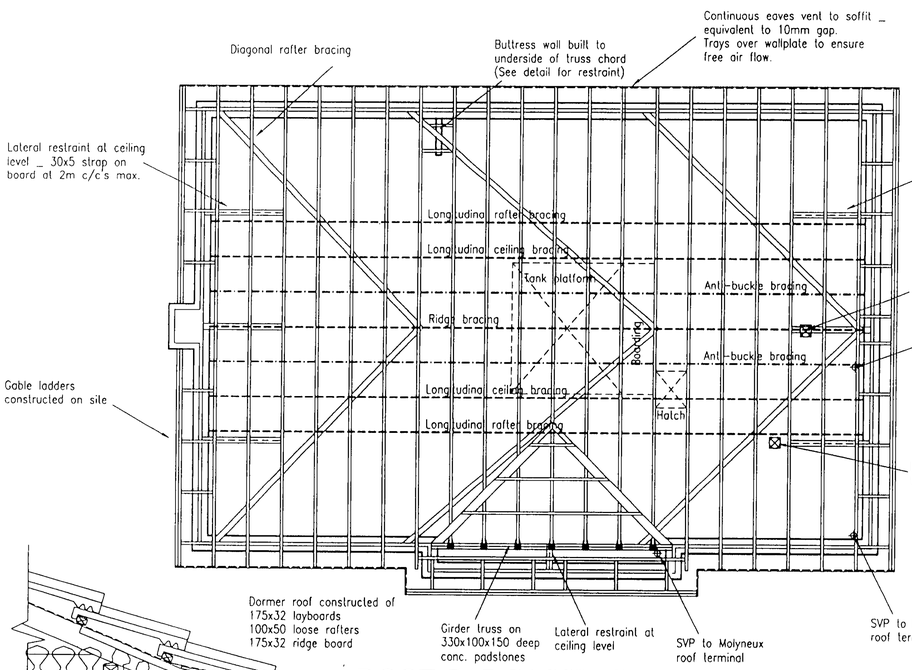



## ROOF CARCASSING PLAN

N.B.
MULTIPLE PLY GIRDER TRUSSES TO BE FULLY NAILED AT WORKS IN ACCORDANCE WITH BS 5268 PART 3 1998



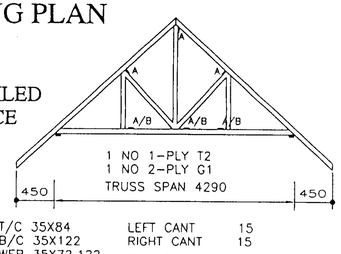

Family Room

TRUSS PROFILE LEGEND

A – Longitudinal bracing 100 x 25 at node points of truss. Ends of bracing tight to gable wall.

B – Ceiling level lateral restraint straps.

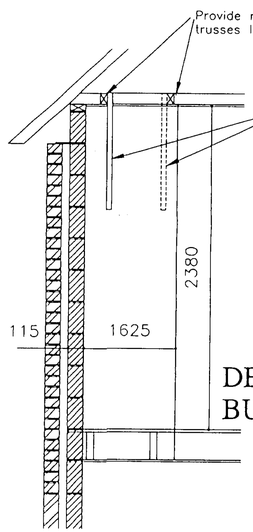
C _ Longitudinal anti-buckle bracing to struts



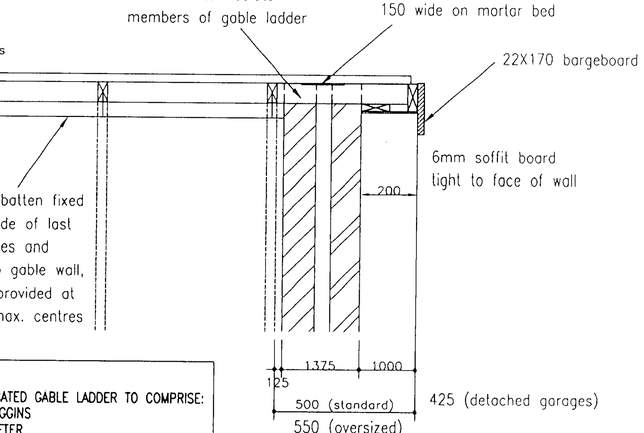

T/C 35X84 LEFT CANT 15
B/C 35X122 RIGHT CANT 15
WEB 35X72,122

Main House

TRUSS PITCH 42.5°



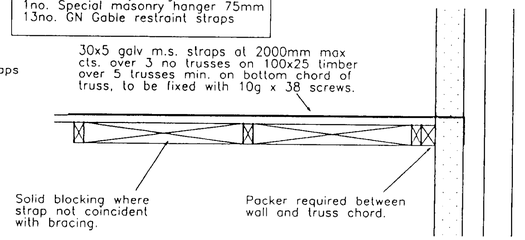

DETAIL AT BUTTRESS WALL




NOTE:
PREFABRICATED GABLE LADDER TO COMPRISE:
35x72 NOGGINS
35x97 RAFTER
25x100 RUNNER

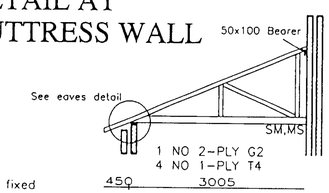
## GABLE RESTRAINT DETAILS

Metalwork:
13no. GN Truss hangers 38mm
4no. GN Masonry hangers 38mm
1no. Special masonry hanger 75mm
13no. GN Gable restraint straps




NB. No blocking is required where lateral restraint strap is coincident with longitudinal brace.

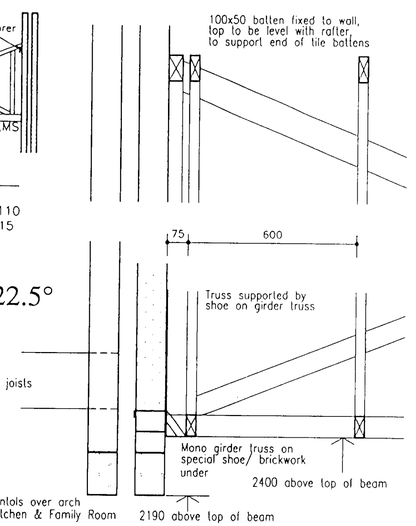
LATERAL RESTRAINT DETAIL



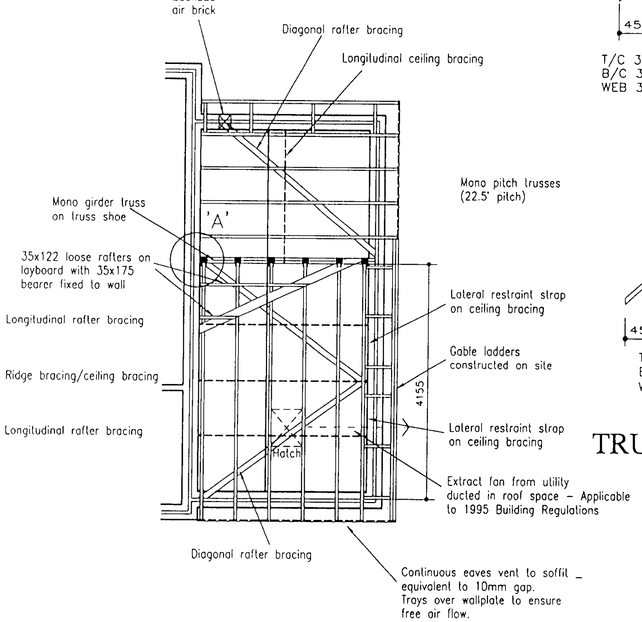

T/C 35X72 RIGHT HORN 110
B/C 35X122 LEFT CANT 15
WEB 35X72

Family Room

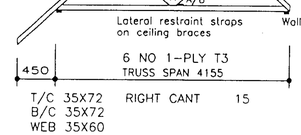
TRUSS PITCH 22.5°




DETAIL 'A'



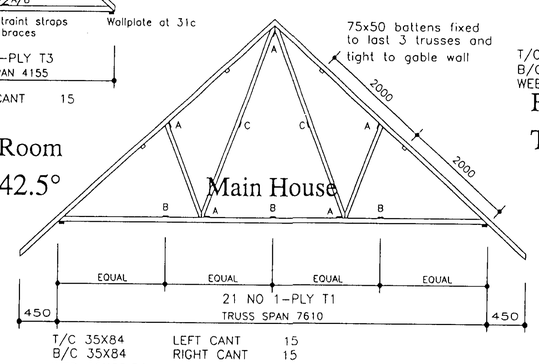

FAMILY ROOM/UTILITY ROOF




T/C 35X72 RIGHT CANT 15
B/C 35X72
WEB 35X60

Family Room

TRUSS PITCH 42.5°




T/C 35X84 LEFT CANT 15
B/C 35X84 RIGHT CANT 15
WEB 35X60,84

Main House

TRUSS PITCH 42.5°

TRUSS PROFILES SHOWING LATERAL RESTRAINT AND BRACING (note these are separate items)
SCALE 1 : 50

## REVISIONS

A : Bargeboard rafters added. Truss profile to Family Room revised. 1 No truss omitted from main roof & others re spaced. 27/05/94

B : Archway lintel height adjusted. 23/08/94

C : Update to include 1995 Building Regulation requirements – Utility fan ducting shown. 27.05.95

D : Cut roof member sizes amended. 08.09.95

E. Girder note added. Height to buttress wall amended. Extract to roof omitted. Additional truss detail added. Gang-Nail information & additional details added. Front gable enlarged. Truss span to gable revised. 13:05:99

## NOTES

1 Trusses and loose timber to be fixed at wall plate bearings using 2 no 4.45o x 100lg galv. wire nails.

2 Secure girder trusses to wallplates as noted above.

3 Internal walls to be stopped below underside of truss bottom chords to allow adequate gap for truss deflection except where shown otherwise.

4 Longitudinal braces are to butt tightly against gable and party walls

5 Diagonal rafter bracing is to be installed at approx. 45 deg viewed on slope (min 35 deg, max 55 deg)

6 Nail all bracing to each truss with 2 No. 3.35mm dia x 75 lg. wire nails

7 Bracing to be lapped as required over at least two trusses and fixed with 2 No. 3.35mm x 75 lg. wire nails

8 Proprietary hangers, anchors and fixings to be used in accordance with manufacturers instructions

9 H3/5/7 denotes Gang-Nail Truss Hangers
MT denotes Gang-Nail Mini Truss Shoe
MH denotes Gang-Nail Mini Hanger
HD denotes Gang-Nail Heavy Duty Girder Shoes
MD denotes Gang-Nail Medium Duty Truss Hanger
J denotes Gang-Nail Joist Hanger
A denotes Gang-Nail Maxi Hanger
* denotes Special Hanger
H denotes Masonry Hanger supplied & fixed by structural engineers to specification.

10 All loose timber to be C16 – dry graded to BS 4978

Bryant Homes
Technical Services Ltd

title
BALMORAL
CENTENARY
ROOF CARCASSING PLANS/TRUSS PROFILES

drg no BO C 41 E

scale 1:50 date 21:01:94

drawn S.D T.S checked D.M.P

CRANMORE HOUSE, CRANMORE BOULEVARD, SHIRLEY, SOLIHULL, WEST MIDLANDS, B90 4SD
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