

JOINT BOABC/WWTABC GUIDELINE

INFORMATION REQUIRED ON ROOF TRUSS & FLOOR SYSTEM DRAWINGS AT:

1. PLAN REVIEW STAGE
2. INSPECTION STAGE

ALL LAYOUTS MUST BE LEGIBLE AND DRAWN TO AN ACCEPTABLE SCALE NOT LESS THAN 1:100 (1/8"=1'-0"). PLEASE NOTE THAT INSPECTIONS CANNOT BE PERFORMED WHERE THE MANUFACTURERS SPECIFICATIONS CANNOT BE READ.

A. Roof Truss Layout (General Arrangement Drawing)	Plan Review	Inspection
1. Address of the project (including unit number where applicable)		
2. Date		
3. Roof layout with dimensions		
4. Truss layout		
a. Direction		
b. Spacing		
c. Truss callout number corresponding to truss label affixed to truss	N/A	
d. Bearing location and type		
5. Hanger details		
a. Location	N/A	
b. Type	N/A	
c. Fastenings i.e. nails	N/A	
6. Identify roof girder loads over 3500 LB		

B. Roof Truss Design Drawings	Plan Review	Inspection
1. Address of the project (incl. unit number where applicable)	N/A	
2. Professional Engineers Seal for BC	N/A	
3. Truss callout number corresponding to truss label affixed to truss	N/A	
4. Girder Truss details		
a. Number of plies	N/A	
b. Fastening requirements	N/A	
5. Configuration with dimensions	N/A	
6. Lumber details	N/A	
7. Plate sizes	N/A	
8. Bearing details	N/A	
9. Reaction details	N/A	
10. Individual web and chord bracing details	N/A	
a. Location	N/A	
b. Type i.e. "T", lateral, or scab	N/A	
c. Spacing	N/A	
11. Fastening requirements	N/A	
12. Loading details i.e. concentrated loads	N/A	
13. Design methodology and compliance with standards i.e. BCBC 1998	N/A	
14. Design criteria	N/A	
a. Live load (top and bottom chords)	N/A	
b. Dead load (top and bottom chords)	N/A	
c. Deflection criteria (may be on Engineer's spec)	N/A	

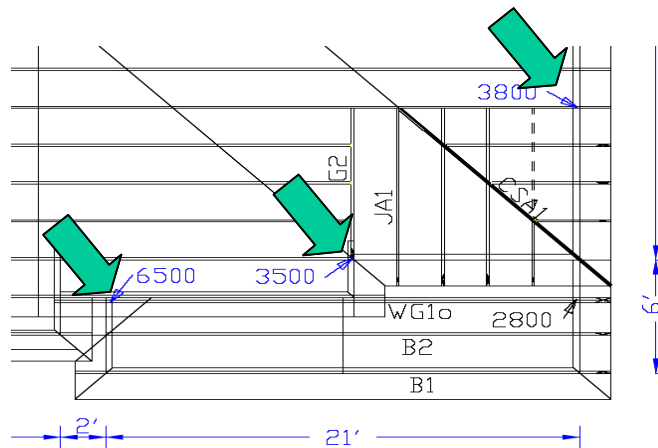
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C. Floor Joist/Truss Layout (General Arrangement Drawing for each floor)	Plan Review	Inspection
1. Address of the project (incl. unit number where applicable)		
2. Designer name and contact number		
3. Date		
4. Floor layout with dimensions		
5. Design methodology i.e. Limit States Dsgn, BCBC1998 (or on dsgn drawing)	N/A	
6. Design criteria	N/A	
a. Floor live and dead loads	N/A	
b. Deflection criteria (otherwise on design drawing)	N/A	
c. Vibration criteria (otherwise on design drawing)	N/A	
7. Edition of building code		
8. Manufacturers Software Program Name		
9. Provide Manufacturer's installation details – but highlight or include only those that apply to the project. Place on a cover sheet, or on back of layout, or attach to layout drawings.	N/A	
10. Joist details		
a. Direction		
b. Size		
c. Spacing		
d. Bearing length	N/A	
11. Rim (box, closure) joist details (Only CCMC-approved rim boards allowed)		
a. Dimensions		
b. Type		
c. Special Fastening requirements	N/A	
12. Floor decking details (Where vibration design is required)		
a. Type	N/A	
b. Thickness	N/A	
13. Blocking / stiffener / bridging details (if required)		
a. Location	N/A	
b. Type	N/A	
c. Fastening requirements	N/A	
14. Beam details		
a. Beam callout numbers shown on floor layout		
b. Location & Size		
c. Number of plies and fastening requirements	N/A	
d. Bearing length	N/A	
e. Shop drawings (“beam calcs”) with proof of design (with P.Eng. seal if supporting concentrated loads >3500 lb)	N/A	
f. Beam end reactions over 5000 lb [unfactored] identified on layout.		
15. Hanger details		
a. Location	N/A	
b. Type	N/A	
c. Nailing Requirements	N/A	

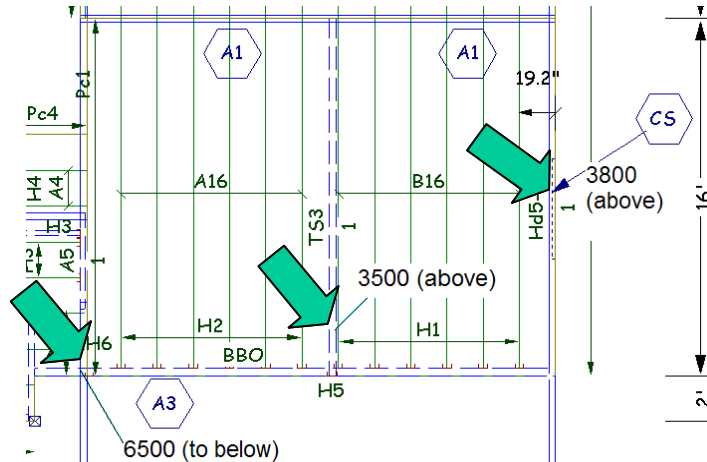
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D. Supplier Coordination

1. Identify Roof Truss Girder loads over 3500 lb (unfactored) on roof truss layouts **AND** floor joist layouts.
 - a. Floor Beams or Window Headers supporting roof point loads over 3500 lb [unfactored] must have location of point load shown on layout. Beam calculation sheet (or other proof of design adequacy) to be provided.
 - b. Beam end reactions over 5000 lb [unfactored] need to be identified on floor layout.



Roof Level



Upper Floor Level

2. Changes to roof truss layout can affect floor components, columns, and footing sizes. Builder must provide a copy of the **final** roof truss layout to suppliers of components at lower levels prior to completion of their designs.
 - a. Each component supplier's permit package must include date of the reference drawings used to design their products.
 - b. Copy of the applicable roof truss package should be included in their design documents of each component supplier.
