Treated Glulam Beam Sizing Worksheet    Fax to: 715-962-4193

Company:_________________________ Phone:_________________________
Contact: _________________________ Fax:____________________________
Project: _________________________ e-mail:__________________________
Live Load:____________ Dead Load:________________ Total Load: ___________

Please write in appropriate measurements in drawings below.

Beam Design Values
Design Values in psi from NDS Tables 5A

<table>
<thead>
<tr>
<th>Members</th>
<th>Species and Commercial Grade</th>
<th>Bending about X-X axis</th>
<th>Compression Perp. to Grain</th>
<th>Modulus Parallel to Grain</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x6/2x8</td>
<td>SYP 20F-1.5E</td>
<td>2000</td>
<td>740</td>
<td>1,600,000</td>
</tr>
</tbody>
</table>

Treated Beam members are treated to .60 CCA per AWPA Commodity Standards, Structural Glued-Laminated Members (C28)

*Higher strength lumber may be substituted to fit design requirements*

Notes:
1. Wet Service Factor, $C_{wd}$
   
   When structural glued laminated timber is used where moisture content will be 16% or greater, design values shall be multiplied by the appropriate wet service factors.
   
   $F_b = .80$, $F_c = .53$, $E = .83$, $F_v = .875$

2. Specific Gravity for Fastener Design = .55

3. Notations:
   - SYP = Southern Yellow Pine

4. Other adjustments and design considerations may apply to the beam, depending on the application. A competent design professional should verify the accuracy, suitability, and applicability of the column design considerations before using the beam design values for any general or specific application.

For technical assistance or member sizing call 715-962-4242 or fax 715-962-4193.