### Roof Rafters (Flat Roof - Where No Ceiling Is Installed)

<table>
<thead>
<tr>
<th>Rafter Size</th>
<th>Rafter Spacing (mm) O.C.</th>
<th>Rafter Spacing (mm) O.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>38x84</td>
<td>5.11</td>
<td>2.85</td>
</tr>
<tr>
<td>38x140</td>
<td>4.40</td>
<td>3.84</td>
</tr>
<tr>
<td>38x184</td>
<td>6.44</td>
<td>5.55</td>
</tr>
<tr>
<td>38x235</td>
<td>6.22</td>
<td>7.47</td>
</tr>
</tbody>
</table>

### Roof Joists (Flat Roof - Where Ceiling Is Installed)

<table>
<thead>
<tr>
<th>Joist Size</th>
<th>Joist Spacing (mm) O.C.</th>
<th>Joist Spacing (mm) O.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>38x140</td>
<td>5.64</td>
<td>3.55</td>
</tr>
<tr>
<td>38x184</td>
<td>5.11</td>
<td>4.05</td>
</tr>
<tr>
<td>38x235</td>
<td>6.52</td>
<td>5.54</td>
</tr>
<tr>
<td>38x286</td>
<td>7.44</td>
<td>6.50</td>
</tr>
</tbody>
</table>

### Lintels

<table>
<thead>
<tr>
<th>Door Width</th>
<th>Lintels for Wood Framing</th>
<th>Lintels for Brick Veneer 40mm</th>
<th>Lintels for Solid Masonry 200mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 3000mm</td>
<td>2/38x84</td>
<td>Supporting the Roof</td>
<td>Supporting the Roof</td>
</tr>
<tr>
<td>Up to 4900mm</td>
<td>2/38x236</td>
<td>4/38x236 or 2- 46x300 IPE LVL</td>
<td>150x2x27 + Plate 200x10</td>
</tr>
</tbody>
</table>

### General Notes

1. All lumber to be No. 1 or better.
2. All plywood shall be stamped exterior grade.
3. Roof load design 1.0 kPa or 1.5 kPa.
4. All footings to bear on undisturbed soil.
5. If garage hall is less than 600mm to the property line provide 15.4mm Type ‘X’ Drywall interior sheathing. No windows are permitted in garage walls less than 1200mm from property line.
6. For one storey wood frame detached garages less than 55M2. An alternate footing may be used. See detail sheet G02c.
7. Garage slab shall be 52 Mpa concrete w/ 5% - 8% air entrainment sloped to drain to the outside.
8. Roof sheathing shall be min. 4.5mm plywood provide ‘H’ clips if rafters or joists are spaced greater than 400mm O.C.
9. Provide a light fixture in the garage.
10. Steel beams to be supported by solid masonry (190mm bearing on masonry or 75mm dia. steel column).
11. Lintels and beams to be designed by a qualified person for spans greater than 4900mm.
TACBLOC DETACHED GARAGE

BRICK VENEER DETAILS

\( \text{DWG. NO. GO2d 2007} \)

1. WALL SECTION

- 25mm MAX. 400mm MIN.
- 1200mm MIN.
- 15mm Poured Concrete Slab
- 52MPa @ 28 Days
- 5% - 8% Air Entrainment
- Optional Reinforcing in Center of Slab
- 15mm Poured Concrete Block or Poured Concrete Foundation Wall
- Contiguous Under Garage Doors
- 400mm x 100mm Deep Poured Conc. Pits (Typical)
- Foundation Wall on Undisturbed Soil

2. FLAT ROOF

- Slope for Drainage
- Fascia Board & Vented Soffit Finish As Per Elevations
- 25mm Type "V" Drywall If Less Than 600mm To The Property Line
- 50mm Type "X" Drywall If Less Than 600mm To The Property Line
- 0.5mm Poly Flashing
- Overlap Each Other Exterior Type Sheathing
- IS.1mm Type "X" Drywall
- Provide Deep Holes Max. 300mm Apart
- Provide Anchors Min. 100mm Embedded in Concrete
- Provide Caulking or Sash between Plate & Foundation Wall
- Top Block Course Poured Immersed OR Concrete
- 23mm Intervisous Board for Bond Break
- Hood sill plate fastened to foundation wall in maximum 21mm diameter anchor bolts embedded per 100mm x concrete
- Provide Ventilation or basket between plate & foundation wall

- Eaves trough, RL, Fascia board & Soffit Finish As Per Elevations
- Brick Veneer Wall
- 25mm Air Space
- 0.16mm Thick x 22mm Wide Galvanized Metal Ties
- 400mm O.C. Horizontal, 600mm O.C. Vertical, Installed with Galvanized Spiral Nails OR Screws
- Sheathing paper in layers to overlap each other
- Exterior type sheathing 50mm hood blocks 400 O.C. Double Plate @ Top Sole Plate @ Bottom

- Heath In Type Sheathing
- IS.1mm Type "X" Drywall
- Provide Deep Holes Max. 300mm Apart
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- 15mm Poured Concrete Block or Poured Concrete Foundation Wall
- Contiguous Under Garage Doors
- 400mm x 100mm Deep Poured Conc. Pits (Typical)
- Foundation Wall on Undisturbed Soil
ANCHOR 8X#4 TOP PLATE TO MINIMUM OF 2 COURSES OF BRICK FOR SOLID BEARING
12.1mm DIA. ANCHOR BOLTS 2000mm O.C. MAXIMUM EMBEDDED MIN. 400mm INTO THE MASONRY WALL
EAVESTROUGH HORIZONTAL SOFFIT, FINISH AS PER ELEVATIONS

SOLID MASONRY WALL 40mm CONCRETE BLOCK OR 40mm FACE BRICK IN 40mm CONCRETE BLOCK BACKUP PROVIDE HEADER COURSE EVERY 4th COURSE OR 4.16mm GALV. BONDS RODS 0 400mm O.C. HORIZONTAL & 460mm O.C. VERTICAL

TOP BLOCK COURSE FILLED W/ MORTAR OR CONCRETE

15mm Poured Concrete Slab 52MPa & 28 Days
9% - 12% Air Entrainment
Optional Reinforcing Steel
Mortar 100mm Compact Granular Fill

150mm Concrete Block or Poured Concrete Foundation Wall Continuous Under Garage Doors

400mm Deep Poured Concrete Pile Typical Footing to Bear on Undisturbed Soil

1200mm Min. WALL SECTION

SLOPE GRADE AWAY FROM BUILDING

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