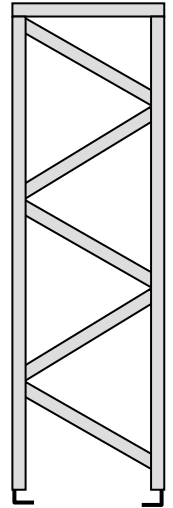




# Gamma Bracing Technologies Ltd

Auckland, New Zealand



10<sup>th</sup> October 2013

## Re: Fixing to Gamma Frames

The Gamma Bracing Frames are designed to be installed within the timber framing of internal and external timber framed walls. It has therefore been considered that various fixtures and fittings will likely need to be attached to the Gamma Bracings Frames. Table 1 & 2 detail both electrical & plumbing fixtures and fittings that are permitted and the minimum fastener sizes allowed.

The tables 1 & 2 below detail accessory fittings that can be installed to the Gamma Bracing Frames, however other larger and heavier items such as sinks, toilet cistern's, television wall mounting brackets will require mounting directly to the timber studs or additional timber framing members should be installed.

**Table 1**

| Electrical Equipment                                    |                |            |                    |
|---|----------------|------------|--------------------|
| Electrical Accessories Type                             | Fastener Types |            |                    |
|   | Rivets         | Tek Screws | Bolts/Threaded Rod |
| Electrical switch mounting box                          | 1/8" to 1/4"   | 6g to 14g  | M4 to M12          |
| Electrical socket outlet box                            |                |            |                    |
| Electrical cables + mounting brackets clips             |                |            |                    |
| Electrical wall mounted light fittings                  |                |            |                    |
| Telephone socket outlets                                |                |            |                    |
| Internet/Computer socket outlet                         |                |            |                    |
| Television Ariel outlets                                |                |            |                    |
| Data Cables + mounting bracket & Clips                  |                |            |                    |
| *Note – All electrical cables to be properly insulated. |                |            |                    |

### Electrical flush mounting boxes



**Table 2**

| Plumbing Fitting Equipment  |                |            |                    |
|---|----------------|------------|--------------------|
| Plumbing Accessories Type   | Fastener Types |            |                    |
|   | Rivets         | Tek Screws | Bolts/Threaded Rod |
| Tap fittings + brackets   | 1/8" to 1/4"   | 6g to 14g  | M4 to M12          |
| Shower Head fittings + brackets   |                |            |                    |
| Pipe work + mounting brackets/clips <ul style="list-style-type: none"> <li>Galvanized Pipe</li> <li>PVC Pipe</li> <li>Copper Pipe (*Refer Note)</li> </ul>  |                |            |                    |
| *Note - Ensure copper pipe is well insulated when installing with Gamma Bracing Frames. Contact between Copper and Galvanized Steel causes electrolysis resulting in the corrosion of components. Use of grommets in access holes and insulated brackets and saddles when mounting directly to Gamma Bracing Frames will be required. |                |            |                    |

Sample of non-insulated pipe mounting brackets



Samples of insulated pipe mounting brackets



Brass Wing-backed fittings



Should there be any queries regarding any of the above please contact us on 0800 272 733

Yours Faithfully

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Director

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