DESIGNER'S NOTES
FOR USE WITH QUICK TIE STANDARD NOTES AND DETAILS

1. This Design Package includes recommended notes and details provided for the convenience and support of the design professional's use of Quick Tie Products in the production of project construction documents. They are provided both in PDF format and in DWG format and may be of downloaded and used as needed. The DWG files may also be modified to meet the specific needs the project. The design professional is cautioned that these details shall be used in consistence with the requirements and information in Quick Tie's published Catalog.
2. Quick Tie has done extensive testing on full-scale walls under uniform uplift conditions. The tests have shown that the capacity values in the Catalog are generally a bit conservative. However, the recommended ***General Notes*** and the ***Catalog Spacing Table Design Notes*** have a difference that requires comment:
    a. The spacing pattern of GWB connectors is different in these two sets of notes.
    b. If the designer chooses to use the more generous spacing in the ***General Notes***, attention is directed at the ***Wall Uplift Tie-Down Elevation*** that shows added strapping between the Quick Tie cable anchors. This strapping must be used to achieve the Catalog loads 0when using the wider GWB connector pattern.
3. The ***Header Uplift Details*** show Quick Tie Anchors directly on each side of a wall opening. Test results show that for uniform uplift loading, when the wall opening is narrower than the required cable spacing, the cables can remain at the wider spacing and the wall strength is not diminished. When the header is wider than the typical spacing or it supports concentrated loads, analysis and detailing of the header and the abutting cable anchors must be investigated.
4. The ***Girder Connection Details*** show the capacity of the QGT/Quick Tie girder connection as 1450#. This capacity is different from than the Catalog capacity because the Catalog value requires an edge distances of at least 5". The 1450# value shown in the provided detail is based on the more typical exterior wall edge distance of 2 ¼". In situations where the greater edge distance is available, the Catalog value of 2217# may be used for the QGT connector.
5. The Quick Tie approach is effective because it pre-stresses the wood framing, removing construction gaps and compensating for future building shrinkage. This pre-stressing necessarily imparts a compression load to the framing. When used as the hold-down mechanism at the ends of shear walls, this pre-stressing force can be additive to the shear wall compressive end force and should be checked. In the Catalog, there are details recommended as "possible configurations" of studs for these locations. However, studies performed by Quick Tie in a typical project application have shown that this combination of loading did not control the design of the wall studs. It is the responsibility of the design professional to determine the adequacy of all wood framing.
6. We will be upgrading these notes and details and adding more details in the future. This additional information will be made available as it becomes available at later dates.

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