In accordance with ASCE7-10 section 12.8.2.1, the effective shear area (***Cw***), is determined from per ASCE7-10 (12.8-10) calculating coefficient ***Aeff*** for each wall

|  |  |  |  |
| --- | --- | --- | --- |
| Wall parameters |  |  |  |
| ***hi*** | ***Di*** | ***Ai*** | ***Aeff*** |

In accordance with ASCE7-10 section 12.8.2.1, the approximate fundamental period (***Ta***), in seconds, per ASCE7-10 (12.8-8) is determined from the following equation: