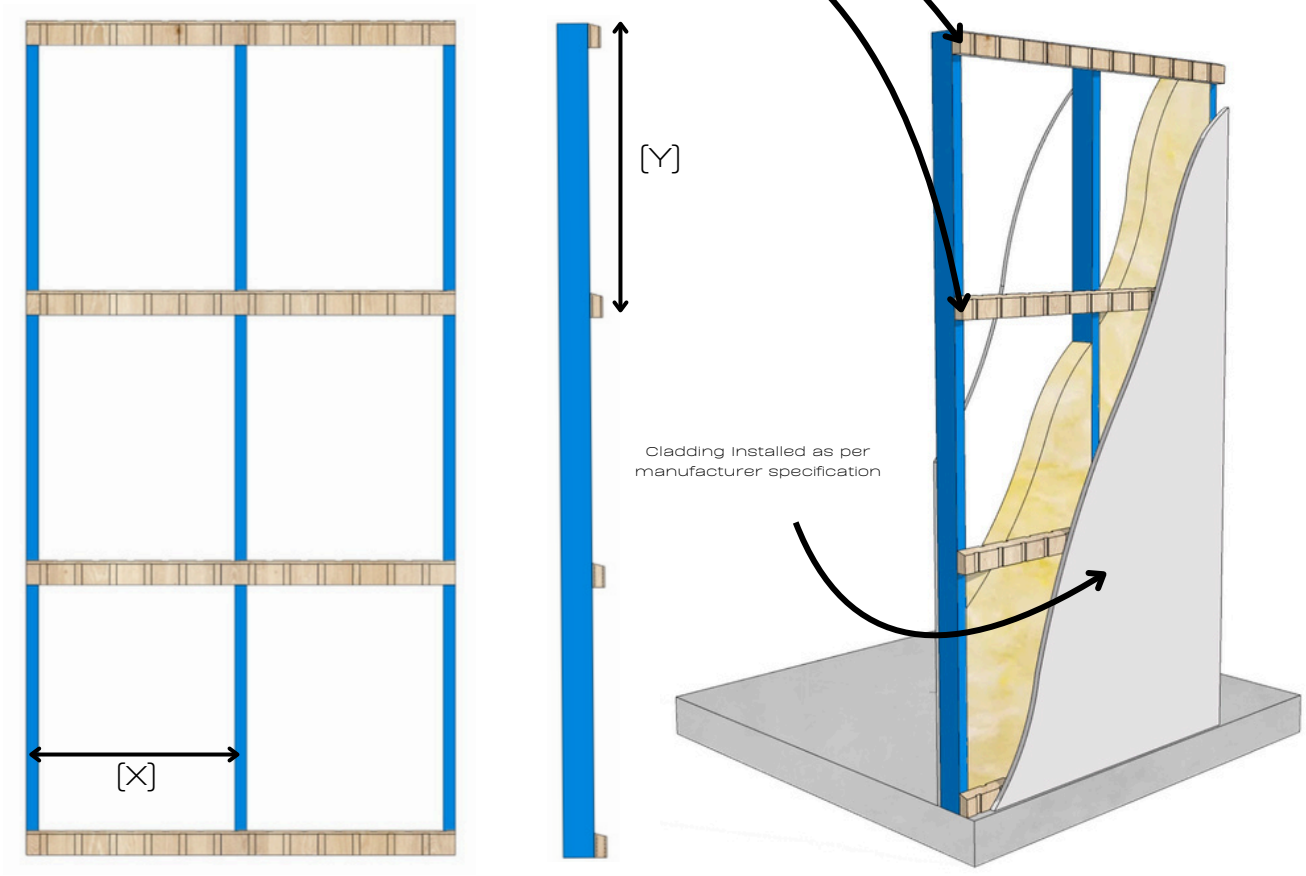
HIGHWOOD

70 x 36 HighFlow Cavity Batten

Connection to frame as per fixing table



Wind Zone	N1		N2		N3/C1		N4-N6	C2-C4
Stud Spacing [X]	450	600	450	600	450	600	450	450
Maximum Horizontal Batten Spacing [Y]	900	900	900	900	900	900	600	600

Wind Zone	N1	N2	N3/C1	N4-N6	C2 - C4
Steel Frame Fixing	2No. 10 gauge countersunk self-drilling screws 60LG to each stud (Minimum 0.75mm BMT)	2No. 10 gauge countersunk self-drilling screws 60LG to each stud (Minimum 0.75mm BMT)	2No. 10 gauge countersunk self-drilling screws 60LG to each stud (Minimum 0.75mm BMT)	2No. 12 gauge countersunk self-drilling screws 60LG to each stud (Minimum 1.0 mm BMT)	2No. 12 gauge countersunk self-drilling screws 60LG to each stud (Minimum 1.0 mm BMT)
Timber Frame Fixing (Screw)	2No. 12 Type 17 bugle screws 75LG to each stud	2No. 12 Type 17 bugle screws 75LG to each stud	2No. 12 Type 17 bugle screws 75LG to each stud	2No. 12 Type 17 bugle screws 75LG to each stud	2No. 12 Type 17 bugle screws 75LG to each stud
Timber Frame Fixing (Nail)	2No. 3.15ø x 90LG plain shank nails to each stud	(2) x 3.15mm DIA x 90mm long plain shank nails to each stud	(2) x 3.15mm DIA x 90mm long plain shank nails to each stud (N3 ONLY)	Ref. screw connection detail	Ref. Screw Connection Detail

Pullout capacity of countersunk self-drilling screws to steel studs assumes a minimum yield stress of 550MPa.
10-gauge screw requires a minimum stud BMT of 0.75mm. 12-gauge screw requires a minimum stud BMT of 1.0mm.
The minimum stress grade for all timber members to be MGP10 or MGP12.
Minimum wall stud size to be 70x35.
Based on cladding weight of 20kg/m2. Refer Highwood Engineering and Connection Detail or contact Highwood for further information.
HighFlow Cavity Batten 70 x 36 used in all calculations