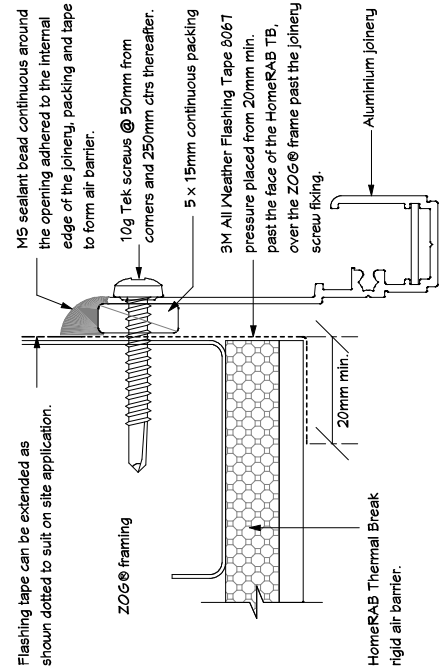


NOTES:

- Refer to the NALCO Golden Homes Window & Exterior Door Installation Procedure manual for installation method.

Design & Build - © GOLDEN HOMES HOLDINGS LTD

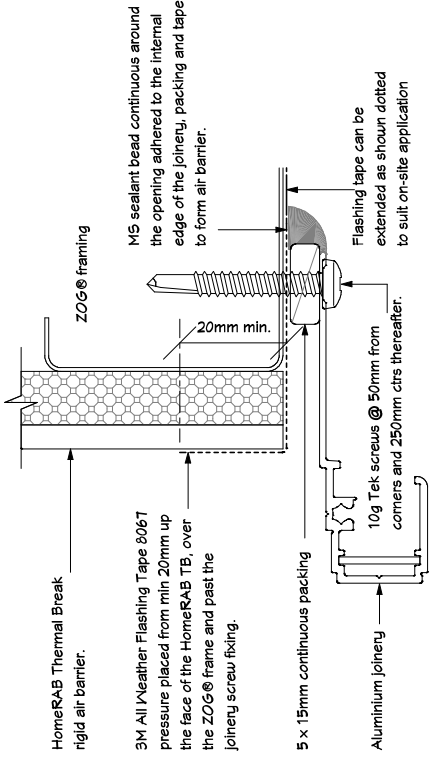


Aluminium Joinery Connection

Jamb at ZOG Frame

FX2018-03-01

EJ 006

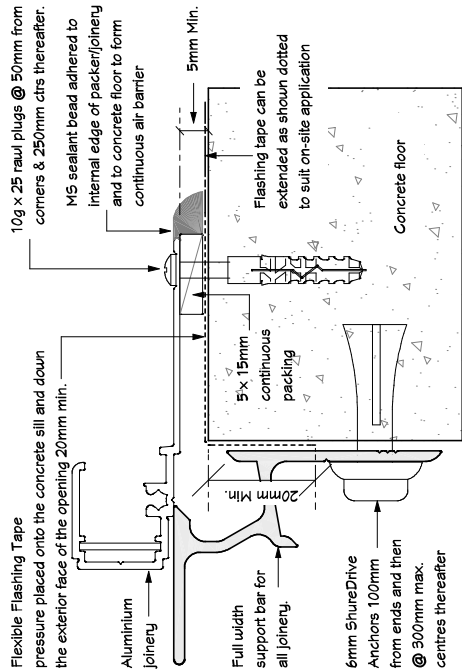


Aluminium Joinery Connection

Head at ZOG Frame

FX2018-03-01

EJ 007

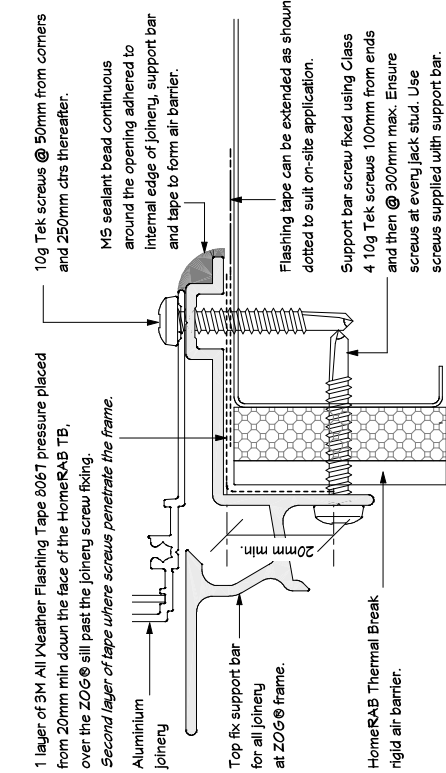


Aluminium Joinery Connection

Sill at Conc Floor

FX2018-03-01

EJ 004



Aluminium Joinery Connection

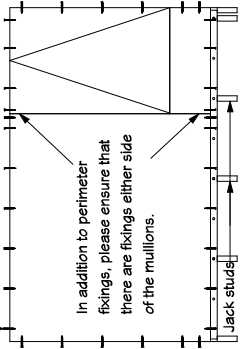
Sill at ZOG Frame

FX2018-03-01

EJ 005

CLIENT:	Bolton Residence Lot 180, DP 510913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Exterior Joinery Details - Installation & Seal 1	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael
DATE:	15/07/2021
SCALE:	N.T.S
SHEET No.	22 OF 40

Use 8 x 25 TEK screws supplied by NALCO at 50mm from the corners & 250mm ctrs thereafter around the perimeter of the joinery

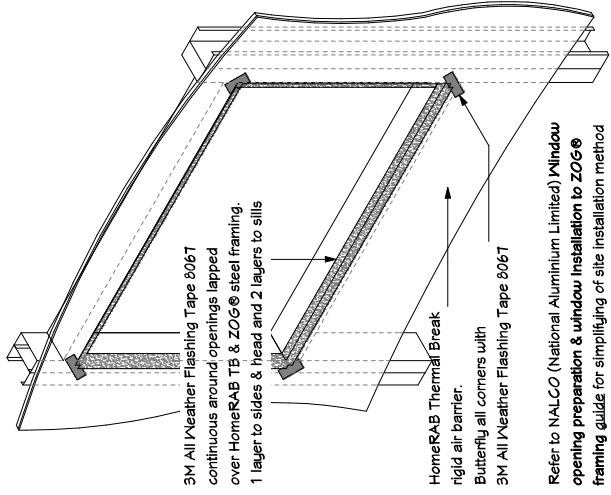


Support bar on all windows and doors.

Support bar supports are to be fixed at 300mm ctrs using 10 x 25mm 24TPI Class 4 screws supplied by NALCO. Ensure one screw is fixed through support bar into every jack studs. Stop support Bar 20mm short of each opening jamb (40mm shorter than opening width)

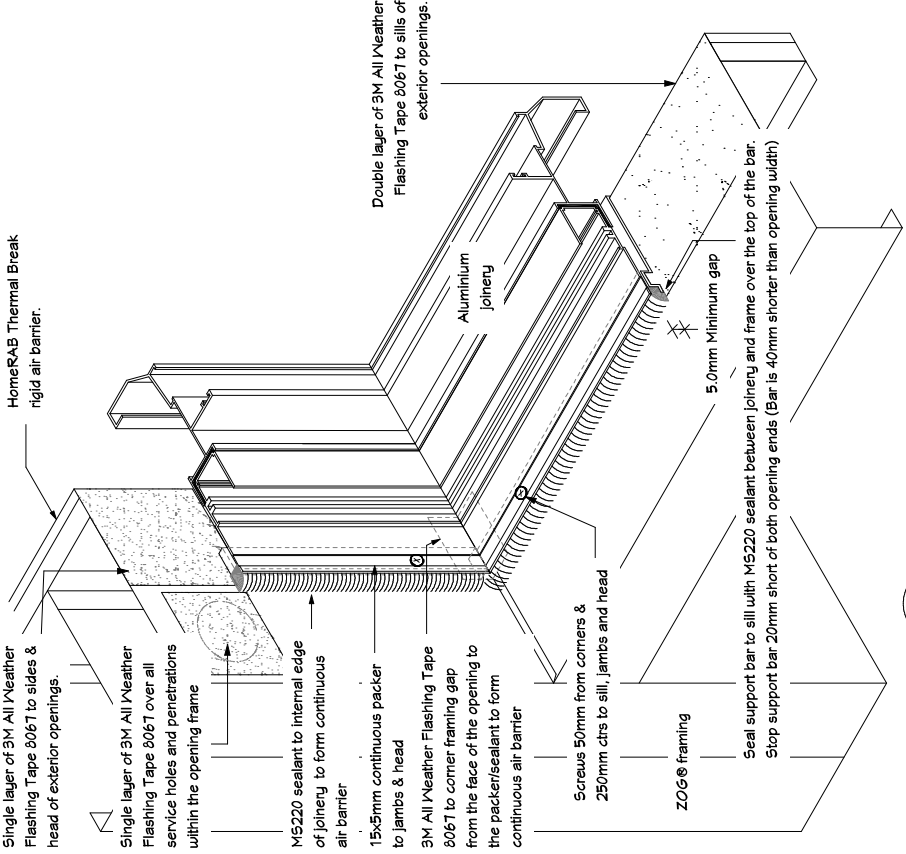
EJ 016
Aluminium Joinery
Fixing to ZOG Frame

WJDNEX.dwg



EJ 013
Aluminium Joinery Opening
3D of Flashing Tape

WJDNEX.dwg



EJ 014
Aluminium Joinery Opening
3D of Corner Fixing & Sealant

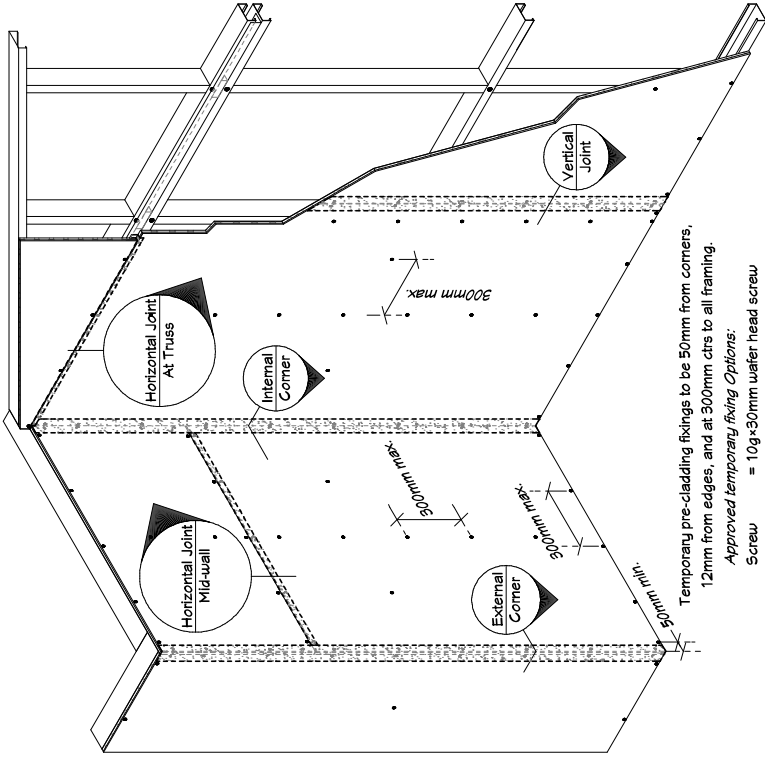
WJDNEX.dwg



NOTES:

- Once HomeRAB TB and exterior joinery has been installed in accordance these plans and specifications, the system will meet a full 90 day rigid air barrier compliance.
- This system will act as a cladding system for this building 90 days.

Design & Build - GOLDEN HOMES HOLDINGS LTD



Temporary pre-cladding fixings to be 50mm from corners, 12mm from edges, and at 300mm ctrs to all framing.

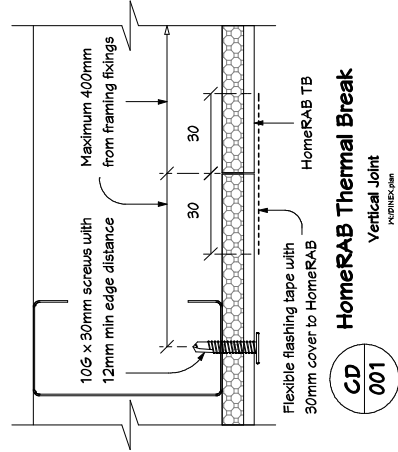
Approved temporary fixing Options:

Screw = 10g x 30mm water head screw

CD 001 HomeRAB Thermal Break

Fixing Layout

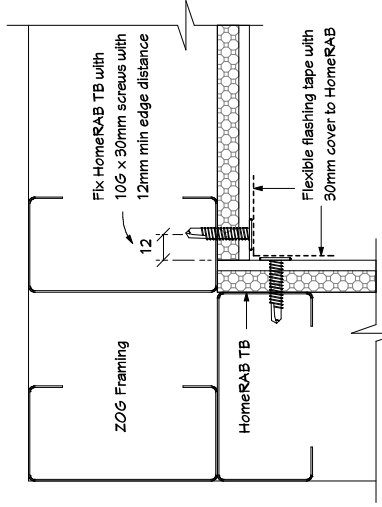
PNBINKS.com



CD 001 HomeRAB Thermal Break

Vertical Joint

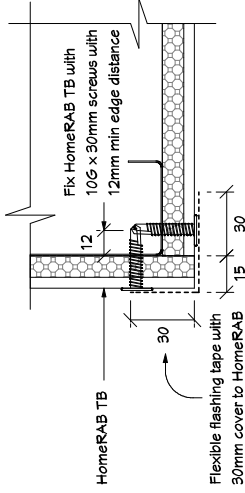
PNBINKS.com



CD 001 HomeRAB Thermal Break

Internal Corner

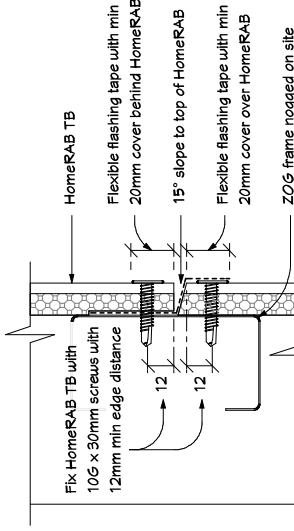
PNBINKS.com



CD 001 HomeRAB Thermal Break

External Corner

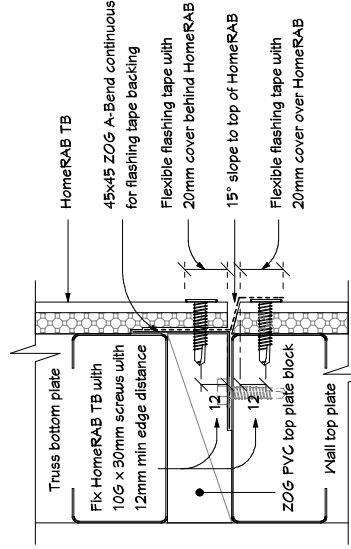
PNBINKS.com



CD 001 HomeRAB Thermal Break

Horizontal Joint Mid-frame

PNBINKS.com

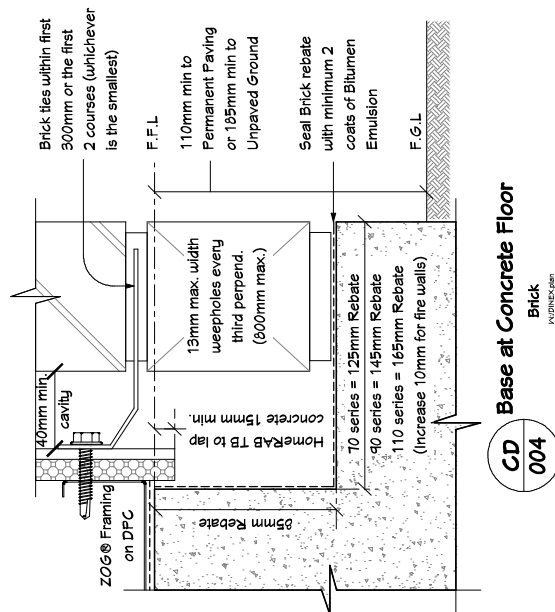
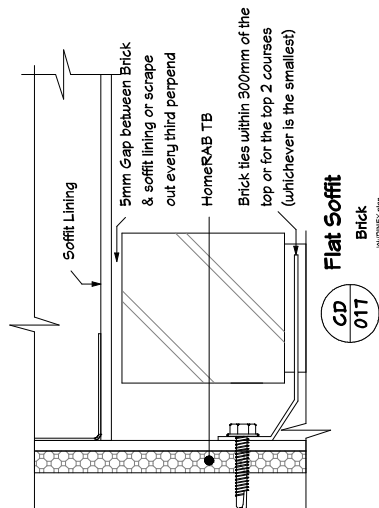
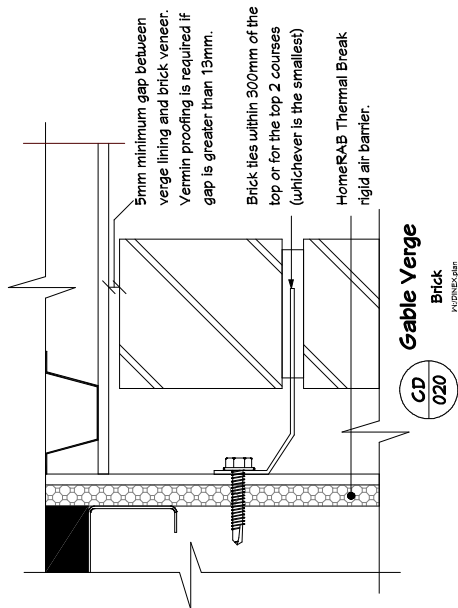


CD 001 HomeRAB Thermal Break

Horizontal Joint at Truss

PNBINKS.com

CLIENT:	Bolton Residence Lot 180, DP 570913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	Sub-soil Classification: E Soil Classification: REF GEOTECH Wind Zone: High Earthquake Zone: 2 Exposure Zone: C Climate Zone: 3 Rain Intensity (10%AEF): 61.4mm/hr Snowload: 1.0kPa
HomeRAB TB Fixing Layout	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 1011TB
DRAWN:	Michael DATE: 15/07/2021
SCALE:	N.T.S SHEET No. 24 OF 40

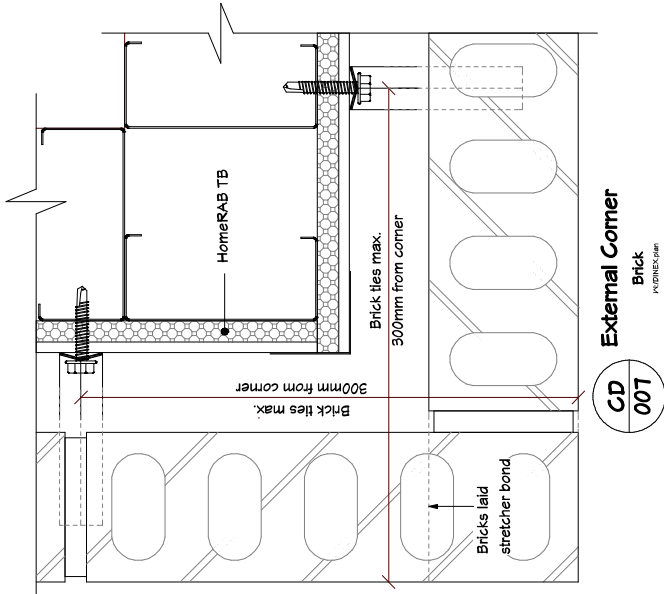
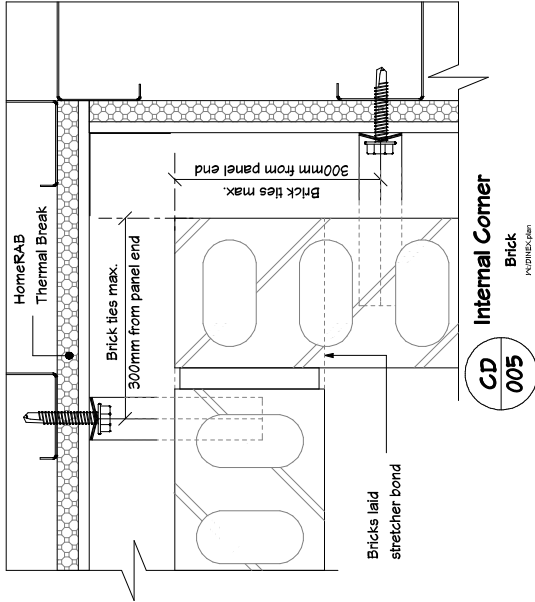




NOTES:

Brick Tie Requirements:

- Brick veneer maximum mass of 220kg/m² and minimum thickness of 70mm.
- Corrosion protection:
 - Zone A-C: Ties to be 470g/m² galvanizing to 300MPa strength steel.
 - Zone D: Ties to be type 316 stainless.
- Walls ≤ 4.0m high
- Type B prefix EH tie maximum spacing of 600mm horizontally, 400mm vertically and 300mm or two course (whichever is the smaller) from edges or openings unless otherwise shown in details. Walls > 4.0m high 400mm horizontally in lieu of 600mm.



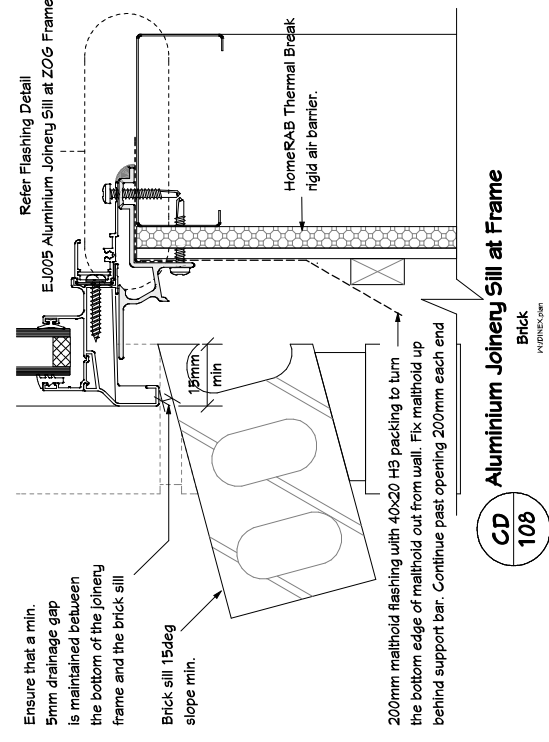
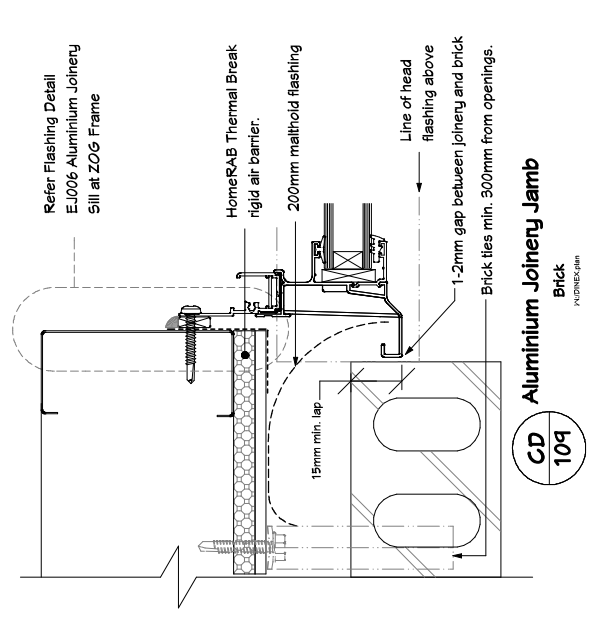
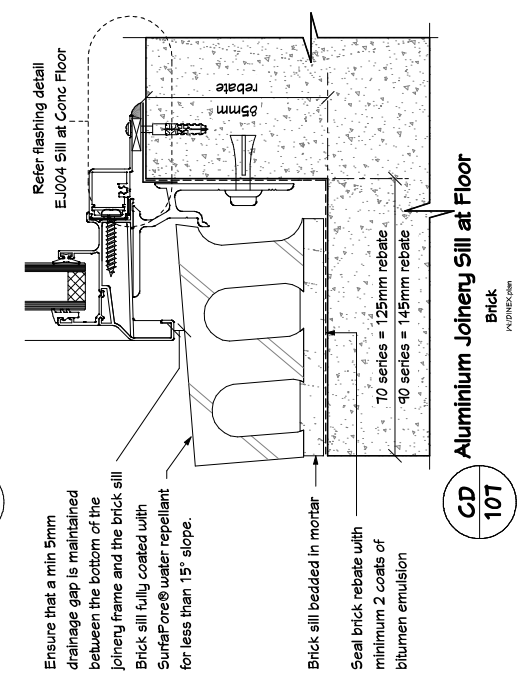
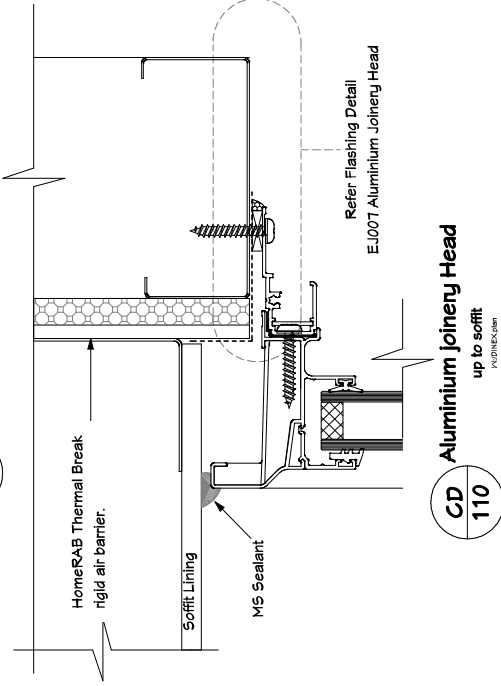
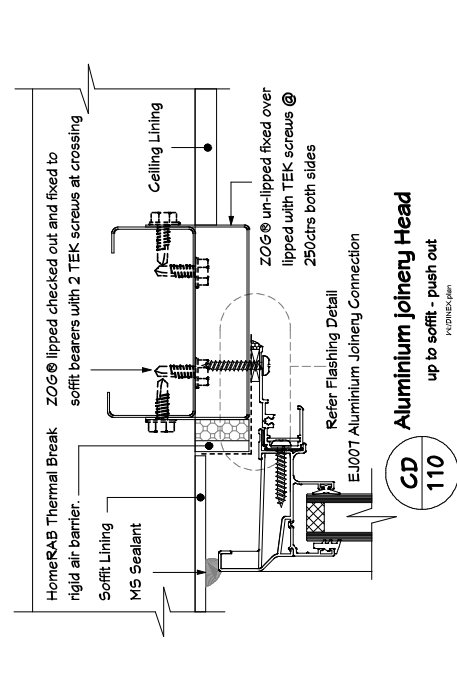
CLIENT:	Bolton Residence Lot 180, DP 570913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Brick Vener 2	
JOB No:	97567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael
DATE:	15/07/2021
SCALE:	N.T.S
SHEET No.	26 OF 40

NOTES:

Brick Tie Requirements:

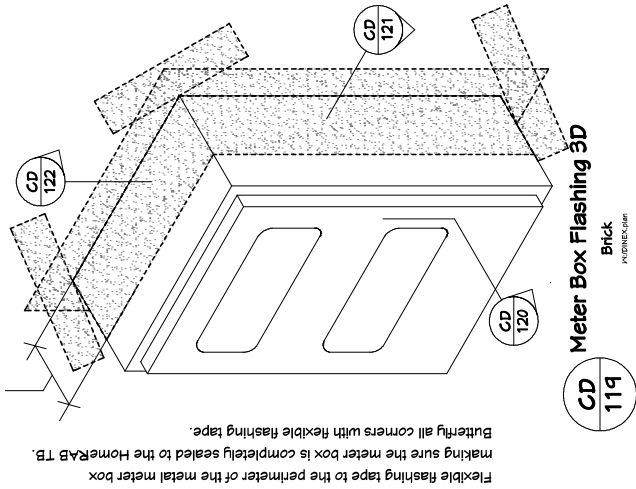
- Brick veneer maximum mass of 220kg/m² and minimum thickness of 70mm.
- Corrosion protection:
 - Zone A-C: Ties to be 470G/m² galvanizing to 300MPa strength steel.
 - Zone D: Ties to be type 316 stainless.
- Walls ≤ 4.0m high
- Type B prefix EH tie maximum spacing of 600mm horizontally, 400mm vertically and 300mm or two course (whichever is the smaller) from edges or openings unless otherwise shown in details.
- Walls > 4.0m high 400mm horizontally in lieu of 600mm.

Design & Build - © GOLDEN HOMES HOLDINGS LTD

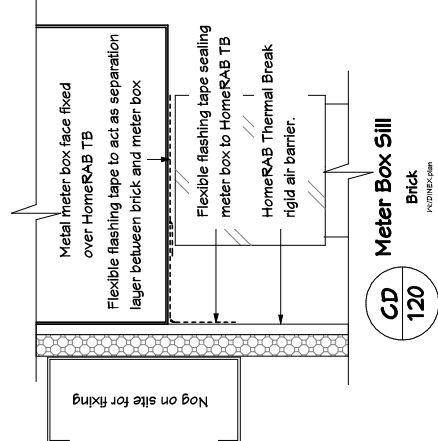
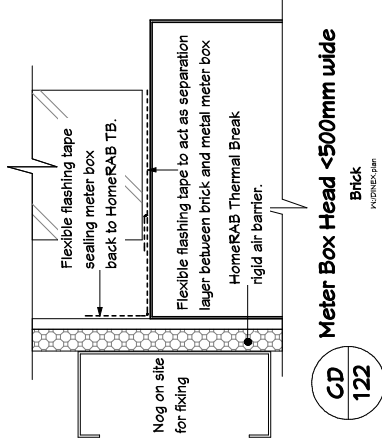
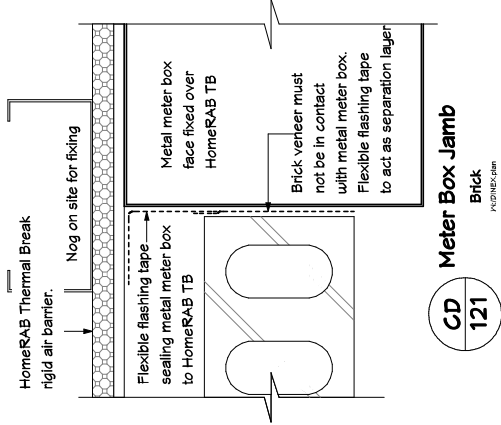


CLIENT:	Bolton Residence Lot 180, DP 570913 Nestbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Brick Vener 3	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael
DATE:	15/07/2021
SCALE:	N.T.5 SHEET No. 27 OF 40

Extend tape to the face of the brick. Top, bottom, and sides.



Flexible flashing tape to the perimeter of the metal meter box making sure the meter box is completely sealed to the HomeRAB TB. Butterfly all corners with flexible flashing tape.



NOTES:

Brick Tie Requirements:

- Brick veneer maximum mass of 220kg/m² and minimum thickness of 70mm.
- Corrosion protection:
 - Zone A-C: Ties to be 470G/m² galvanizing to 300MPa strength steel.
 - Zone D: Ties to be type 316 stainless.
- Walls ≤ 4.0m high
- Type B prefix EH tie maximum spacing of 600mm horizontally, 400mm vertically and 300mm or two course (whichever is the smaller) from edges or openings unless otherwise shown in details.
- Walls > 4.0m high 400mm horizontally in lieu of 600mm.

CLIENT:

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Faringdon, Rolleston

TERRITORIAL AUTHORITY:

Sellun District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

Sub-soil Classification: E REF GEOTECH
Soil Classification: High
Wind Zone: 2
Earthquake Zone: C
Exposure Zone: 3
Climate Zone: 3
Rain Intensity (10%AEF): 61.4mm/hr
Snowload: 1.0kPa

Cladding Details - Brick
Vener 4

JOB No:	47567	SALES:	Grant
LBP:	C.Nearne 101178		
DRAWN:	Michael	DATE:	15/07/2021
SCALE:	N.T.S	SHEET No.	28 OF 40

NOTES:

Brick Tie Requirements

- Brick veneer maximum mass of 220kg/m² and minimum thickness of 10mm.
- Corrosion protection:
- Zone A-C: Tiles to be 470g/m² galvanizing to 300MPa strength steel.
 - Zone D: Tiles to be type 316 stainless.
- X-Maxis ≤ 4.0m high
- Type B prefix EH the maximum spacing of 600mm horizontally, 400mm vertically and 300mm or two course (whichever is the smaller) from edges or openings unless otherwise shown in details. X-Maxis > 4.0m high 400mm horizontally in lieu of 400mm.

CLIENT:

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Earingdon, Rolleston

TERRITORIAL AUTHORITY:

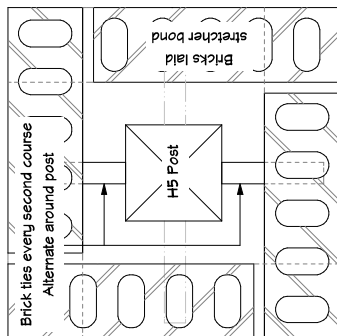
Selwyn District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10% AEP):	61.4mm/hr
Snowload:	1.0kPa

Cladding Details - Brick Veneer 5

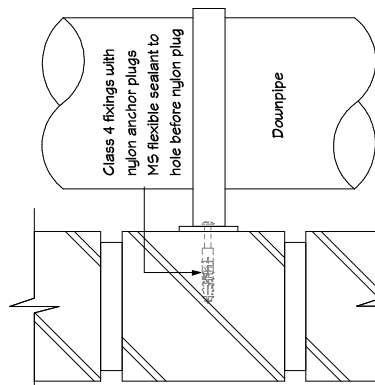
JOUB No:	97567	SALES:	Grant
BP:	C.Wearne 101178		
DRAWN:	Michael	DATE:	15/07/2021
SCALE:	N.T.S	SHEET No.	29 OF 40



Note : Cavity size is non-specific but must be of a minimum dimension to suit brick ties.

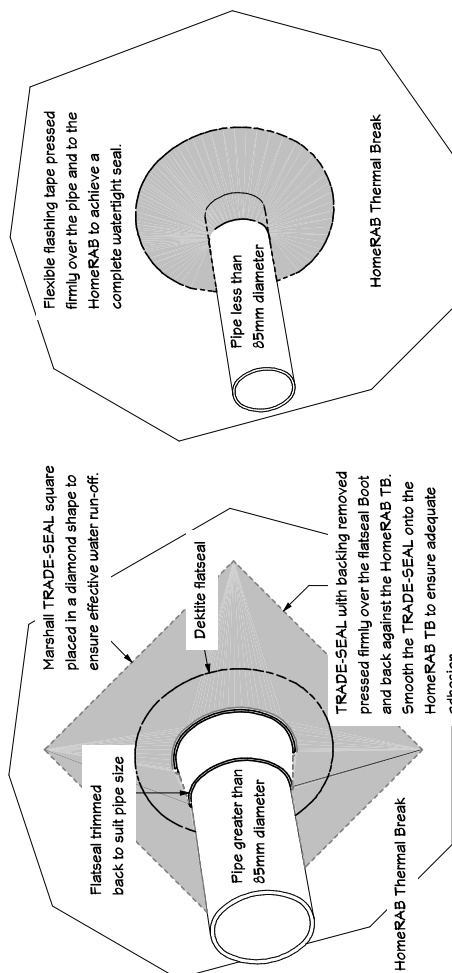
Timber Post Plan Section

049 Brick WUDINEX, plan



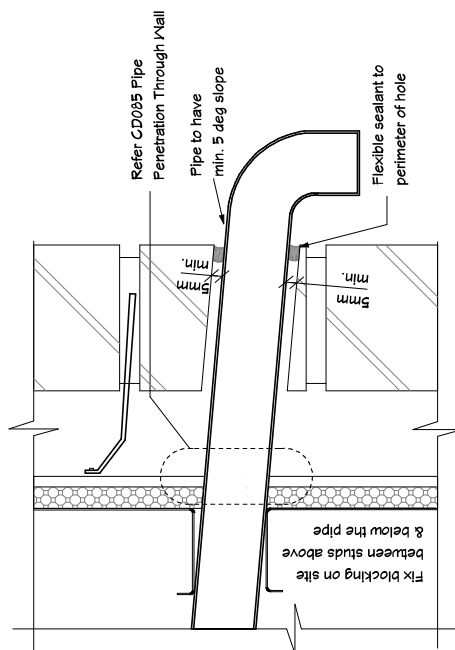
Downpipe Fixing

Brick



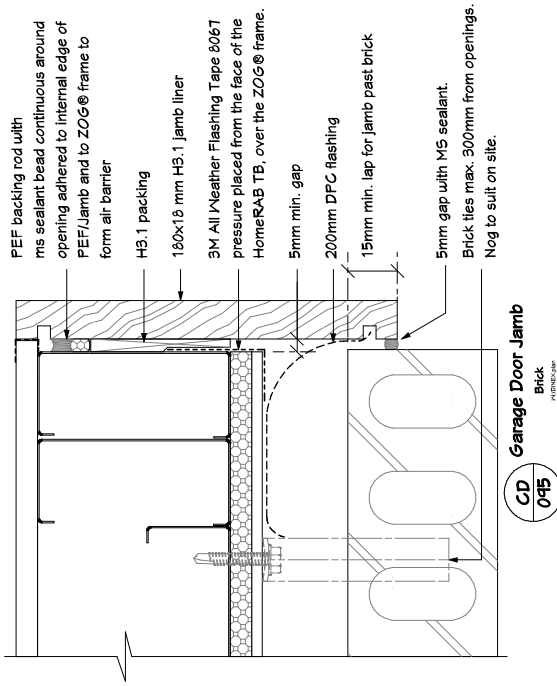
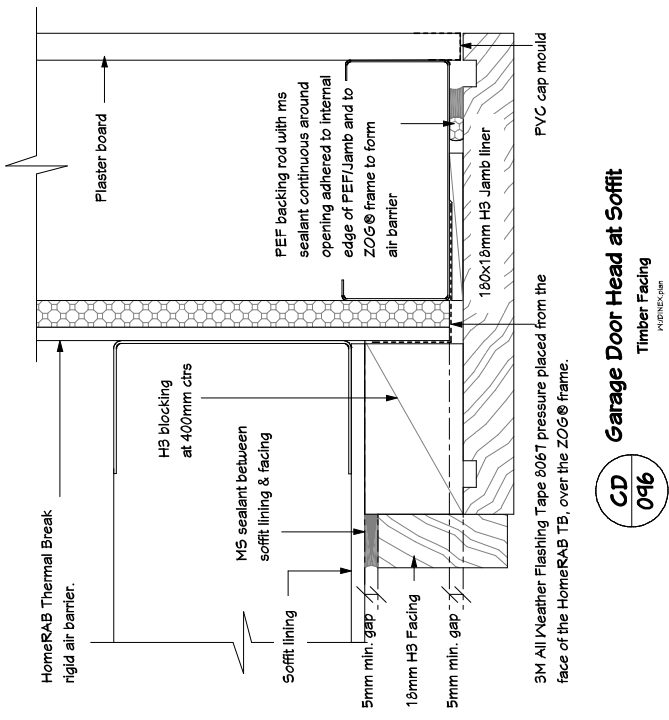
Pipe Penetration

Through Wall
WUDINEX plan



Pipe Penetration

Brick



NOTES:

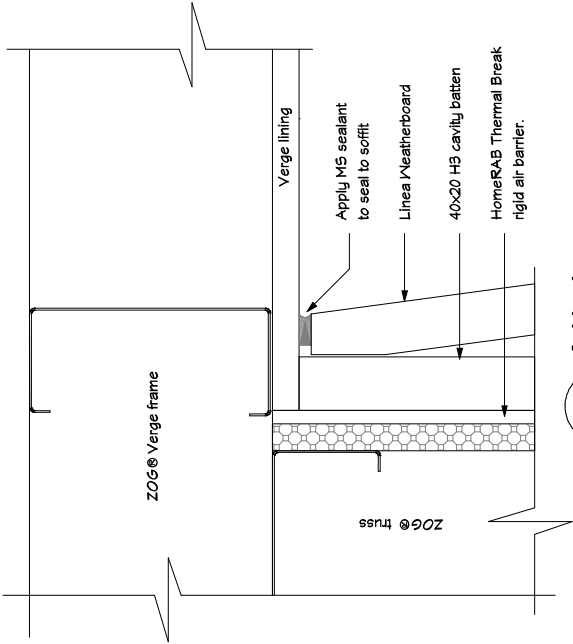
- Brick Tie Requirements:
- Brick veneer maximum mass of 220kg/m² and minimum thickness of 70mm.
 - Corrosion protection:
 - Zone A-C: Ties to be 470g/m² galvanizing to 300MPa strength steel.
 - Zone D: Ties to be type 316 stainless.
 - Walls ≤ 4.0m high
 - Type B prefix EH tie maximum spacing of 600mm horizontally, 400mm vertically and 300mm or two course (whichever is the smaller) from edges or openings unless otherwise shown in details. Walls > 4.0m high 400mm horizontally in lieu of 600mm.



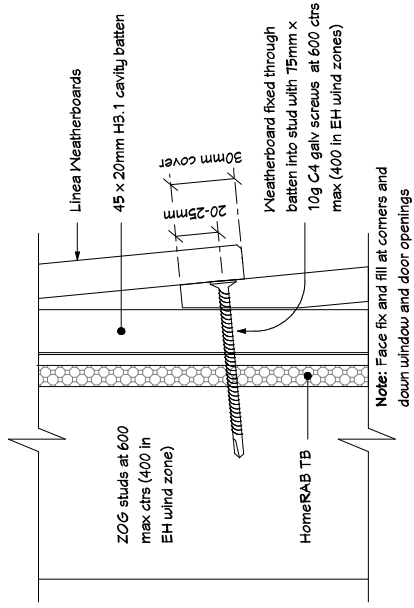
CLIENT:	Bolton Residence Lot 180, DP 510913 Nestbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Brick Vener 6	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael
DATE:	15/07/2021
SCALE:	N.T.5 SHEET No. 30 OF 40

NOTES:

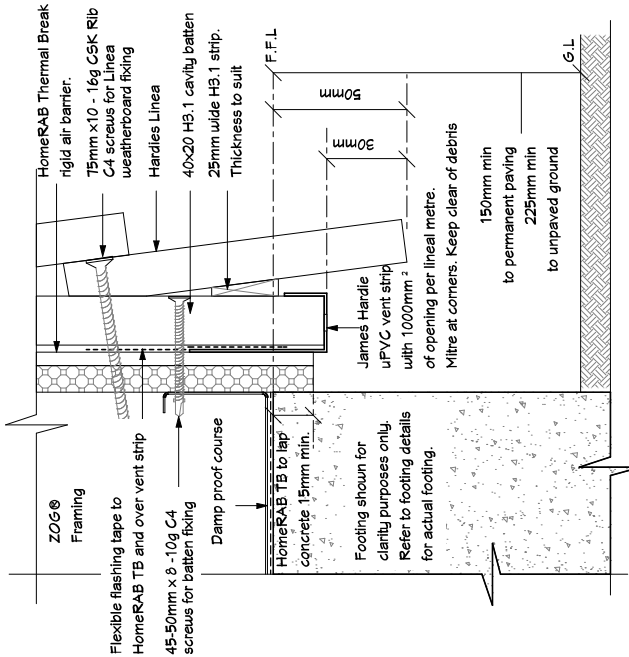
Design & Build - © GOLDEN HOMES HOLDINGS LTD



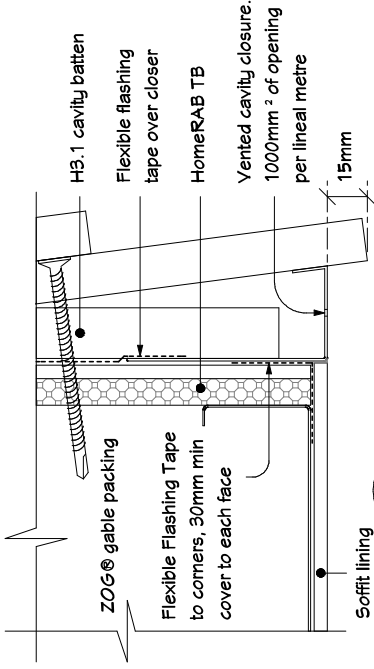
CD 020
Gable Verges
Linea Weatherboard



CD 002
Cladding Fixing
Linea Weatherboard

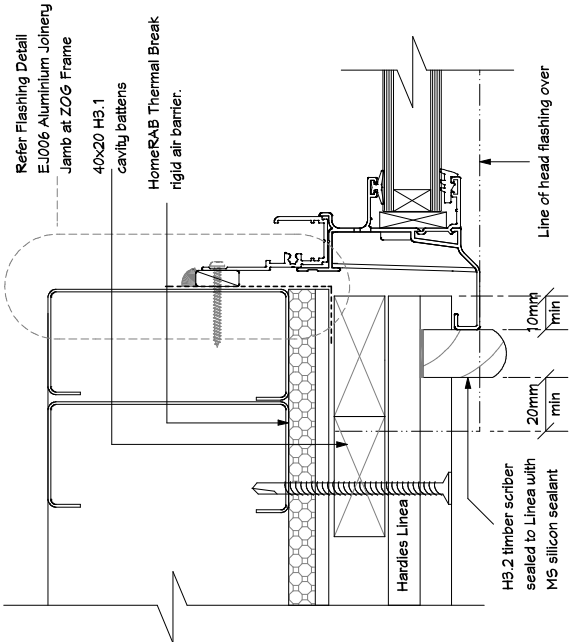


CD 004
Base at Concrete Floor
Linea Weatherboard

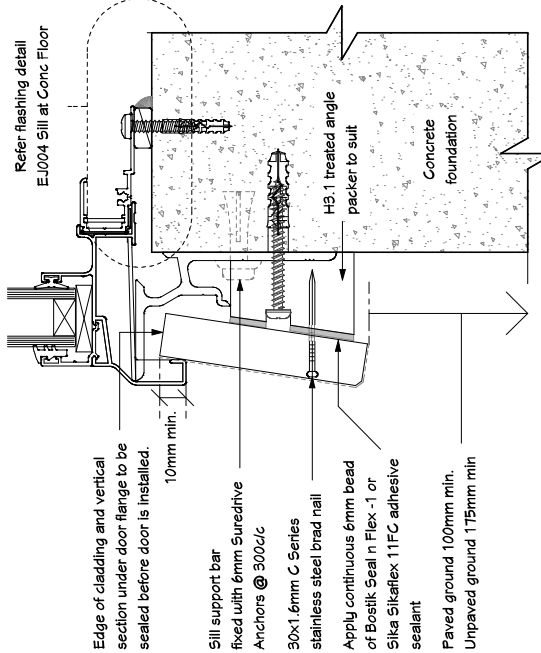


CD 028
Gable Base at Soffit
Linea Weatherboard

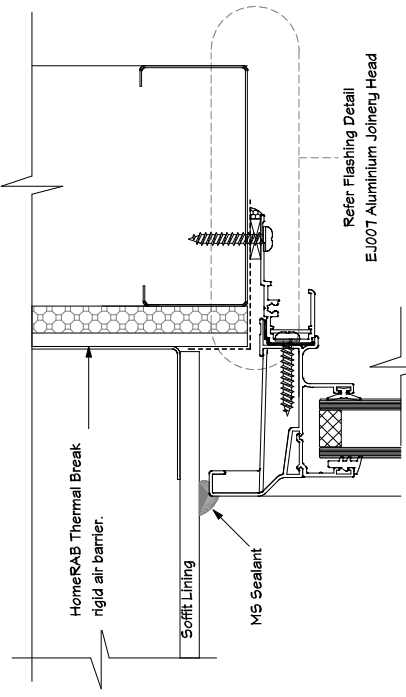
CLIENT:	Bolton Residence Lot 180, DP 510913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Shoaload:	1.0kPa
Cladding Details - Linea Weatherboard 1	
JOB No: 47567	SALES: Grant
LBP: C.Nearne 101178	
DRAWN: Michael	DATE: 15/07/2021
SCALE: N.T.S	SHEET No. 31 OF 40



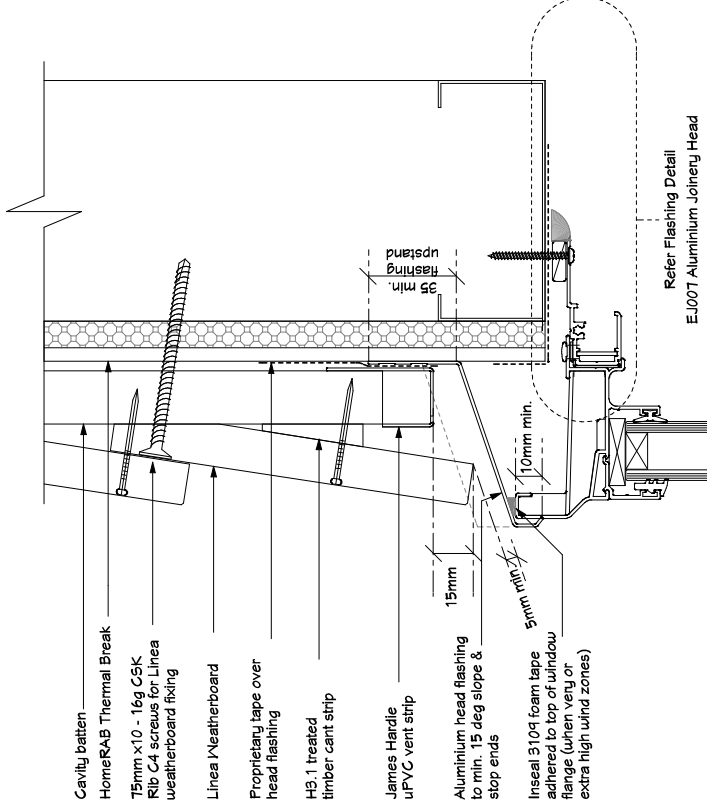
CD 109
Aluminium Joinery Jamb
Linea Weatherboard



CD 107
Aluminium Joinery Sill at Conc Floor
Linea Weatherboard



CD 110
Aluminium Joinery Head
up to soffit



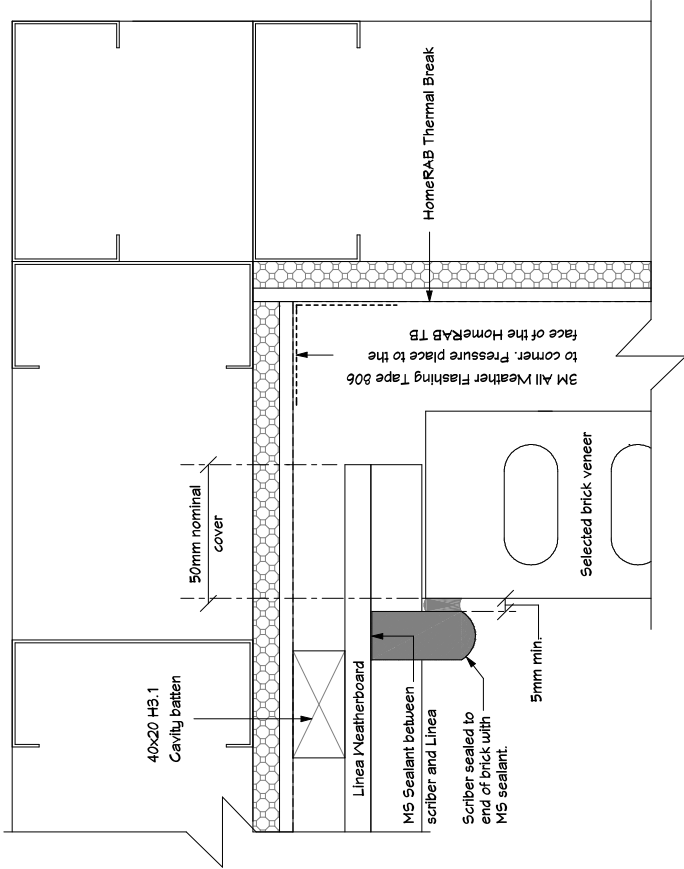
CD 110
Aluminium Joinery Head
Linea Weatherboard

CLIENT:	Bolton Residence Lot 180, DP 510913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Linea Weatherboard 2	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael DATE: 15/07/2021
SCALE:	N.T.5 SHEET No. 32 OF 40



NOTES:

Design & Build - © GOLDEN HOMES HOLDINGS LTD



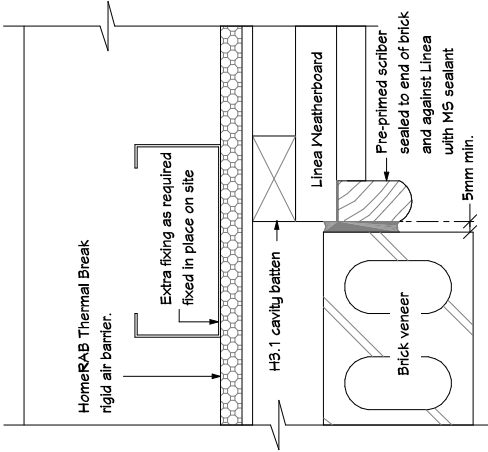
CD 006 Internal Corner Junction
Linea Weatherboard to Brick
PC091822-006

CLIENT:	Bolton Residence Lot 180, DP 570913 Westbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Internal Corner Junction	
JOB No:	97567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael DATE: 15/07/2021
SCALE:	N.T.5 SHEET No. 33 OF 40

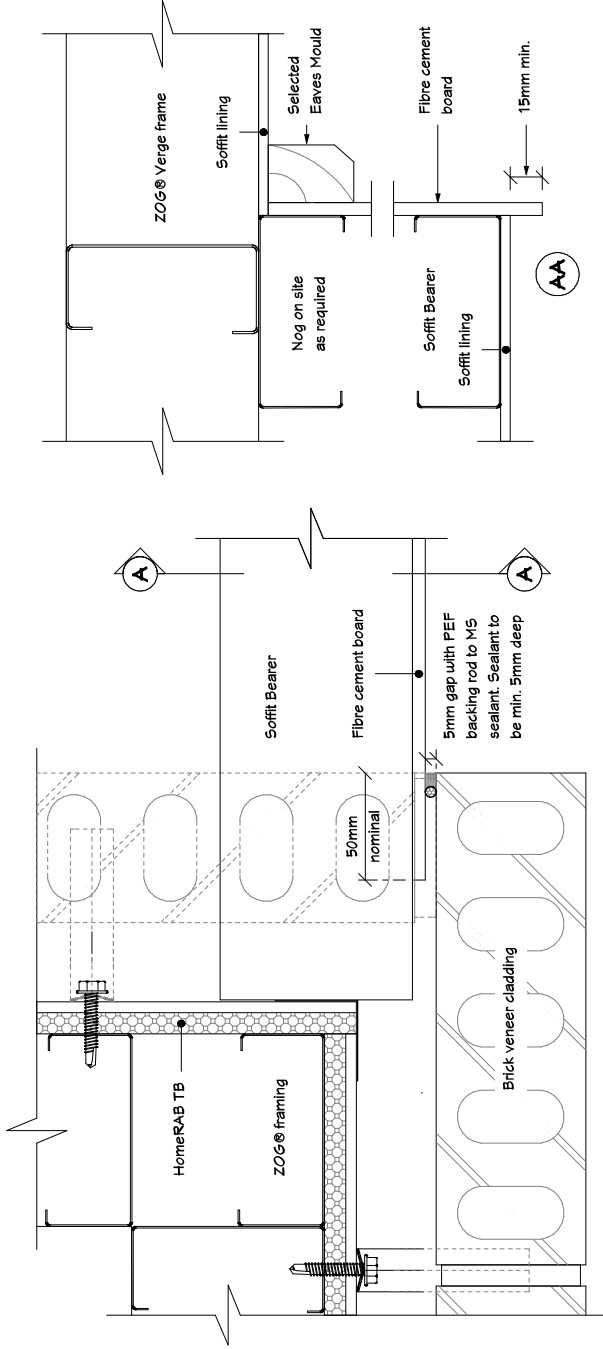


NOTES:

Design & Build - © GOLDEN HOMES HOLDINGS LTD

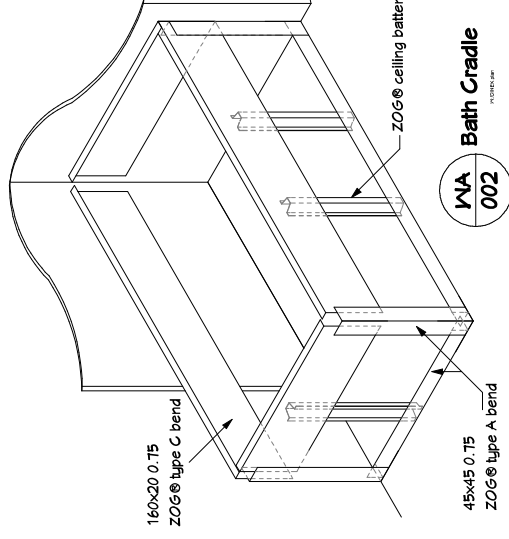
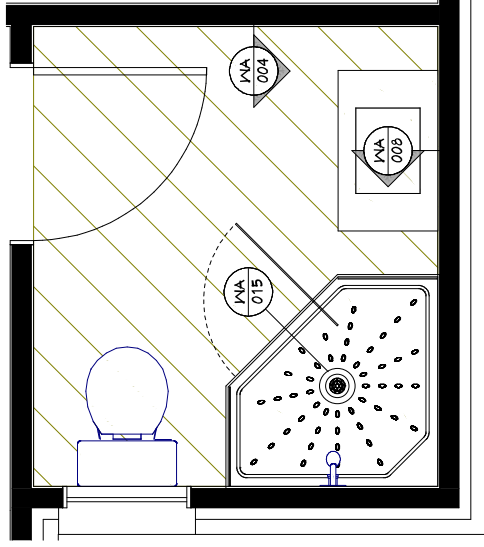
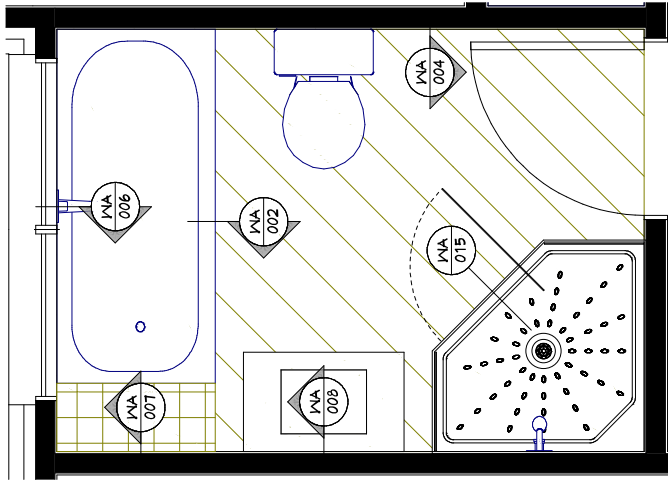


CD 069 Vertical Junction
Brick / Linea Weatherboard



CD 021 Gable Eaves Junction
Fibre Cement Board to Brick

CLIENT:	Bolton Residence Lot 180, DP 570913 Nestbrook Avenue West Village Faringdon, Rolleston
TERRITORIAL AUTHORITY:	Selwyn District Council Living Z Medium Density
SITE DATA (for zones upto & including):	
Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa
Cladding Details - Vertical Junction	
JOB No:	47567
SALES:	Grant
LBP:	C.Nearne 101178
DRAWN:	Michael
DATE:	15/07/2021
SCALE:	N.T.S
SHEET No.	34 OF 40



NOTES:

Wet area / water splash floor & wall options
Due to the finish variations required by the owner from time to time, the list below is provided as suitable options for floor and wall coverings in watersplash areas.

- Tiled - Ceramic or stone tiles having 6% maximum water absorption, waterproof grouted joints, and bedded with an adhesive specified by the tile manufacturer as being suitable for the tiles, substrate material and the environment uses.
- Cement based solid plaster or concrete having a steel trowel or polished finish, "semi-gloss" or "gloss" paint must be used if paint finish required.
- Timber or timber based products such as particleboard/plywood sealed with waterproof applied coatings.
- Sheet linings finished with vinyl coated wall paper, or semi-gloss or gloss coating. (wall only).
- Integral waterproof sheet material (e.g. polyvinylchloride "vinyl") with sealed joints.
- Any other materials that comply with NZBC E3 clauses 3.1.1, 3.1.2 and D1 AS/119M1

CLIENT:

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Faringdon, Rolleston

TERRITORIAL AUTHORITY:

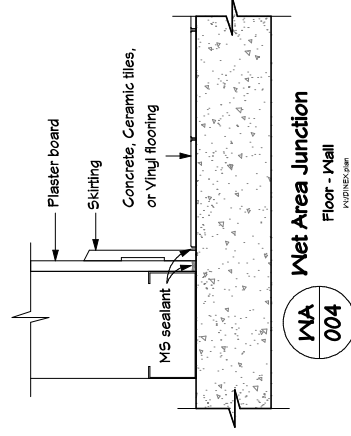
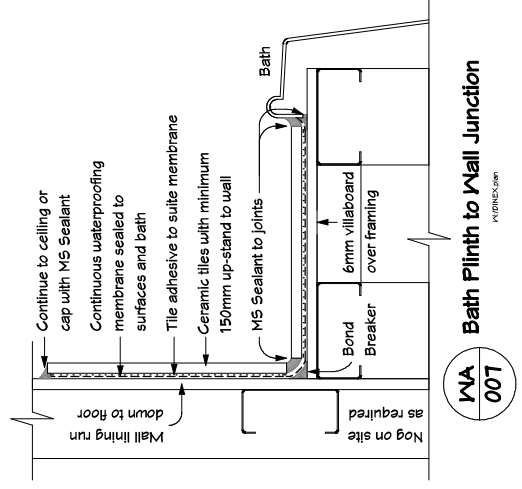
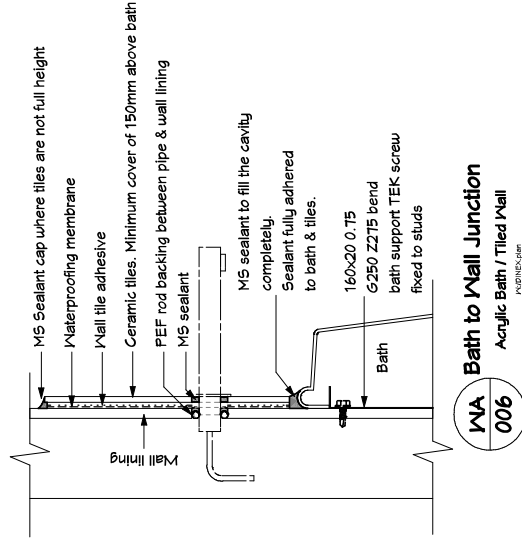
Selwyn District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

Sub-soil Classification:	E	REF GEOTECH
Soil Classification	High	
Wind Zone:	2	
Earthquake Zone:	C	
Exposure Zone:		
Climate Zone:	3	
Rain Intensity (10%AEP):	61.4mm/hr	
Snowload:	1.0kPa	

Wet Area Details 1

JOB No: 97567	SALES:	Grant
LBP: C.Wearne 101178		
DRAWN: Michael	DATE:	15/07/2021
SCALE:	N.T.5	SHEET No. 35 OF 40



- Tiled - Ceramic or stone tiles having 6% maximum water absorption, waterproof grouted joints, and bedded with an adhesive specified by the tile manufacturer as being suitable for the tiles, substrate material and the environment use.
- Cement based solid plaster or concrete having a cement trowel or polished finish, "semi-gloss" or "gloss" paint must be used if paint finish required.
- Timber or timber based products such as particleboard/plywood sealed with waterproof applied coatings.
- Sheet linings finished with vinyl coated wall paper, or semi-gloss or gloss coating, (wall only)
- Integrally waterproof sheet material (e.g. polyvinylchloride "vinyl") with sealed joints.
- Any other material that complies with NZBEC 3 clauses 9.1.1, 9.1.2 & 9.1.5 AND 1A1/VM1

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Faringdon, Rolleston

TERRITORIAL AUTHORITY.

Selwyn District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

Classification: E

REF GEOTECH

五

Zone:

Zone:

1997

... 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678,

sity (10%AEF): 61

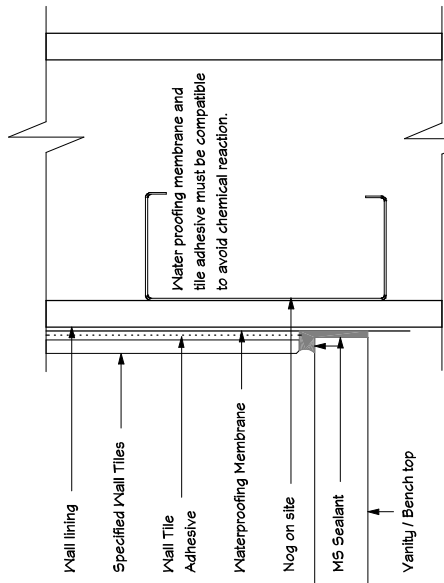
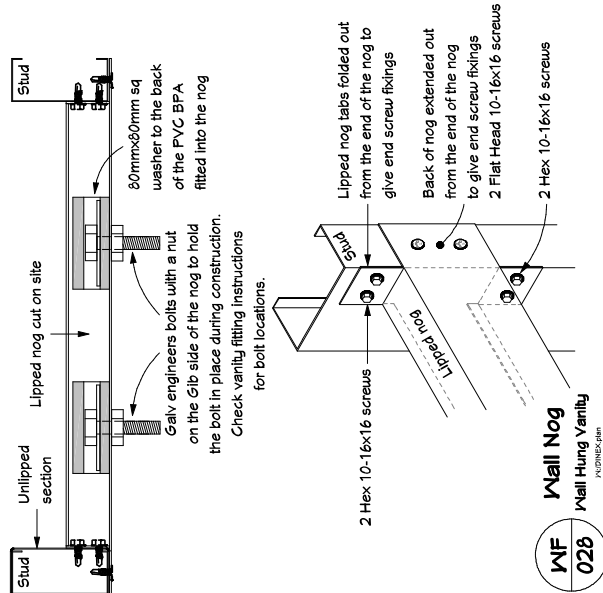
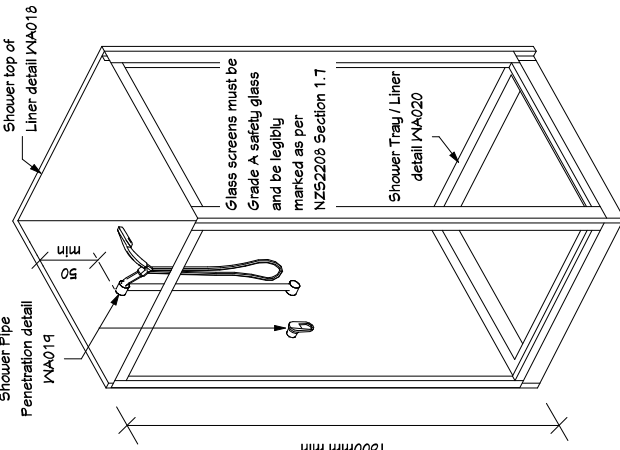
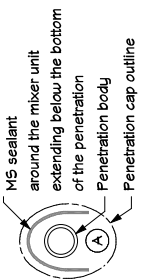
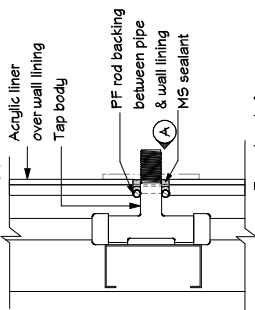
Wet Area Details 2

JOB No: 97567	SALES:	Grant:
---------------	--------	--------

LBP: C.Wearne 1011178

DRAWN:	Michael	DATE:	15/07/2021
--------	---------	-------	------------

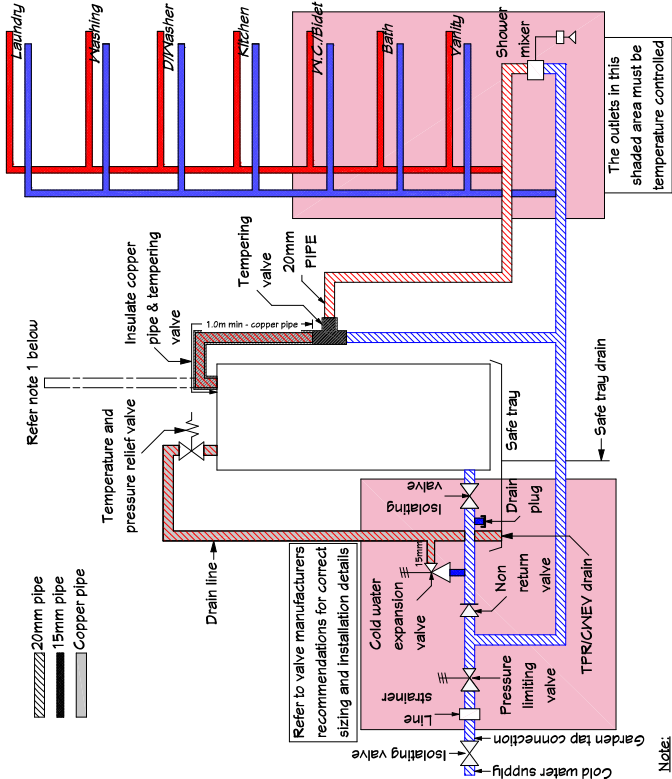
DRAWN:	ISSUED DATE:
SCALE:	NTS SHEETS: 36 OF 40



Max developed pipe length.

To comply with both H1 and G12, a 15mm pipe at 12m max developed pipe length from the HWC to the kitchen sink meets the requirements of the acceptable solutions. As an alternative solution, an increase of up to 50% (Total 18m) can be approved, provided the pipe is insulated over its full length from the HWC with preformed closed cell foam with 13mm wall thickness.

This generic alternative solution is considered to meet the requirements of both G12 and H1*



Note:

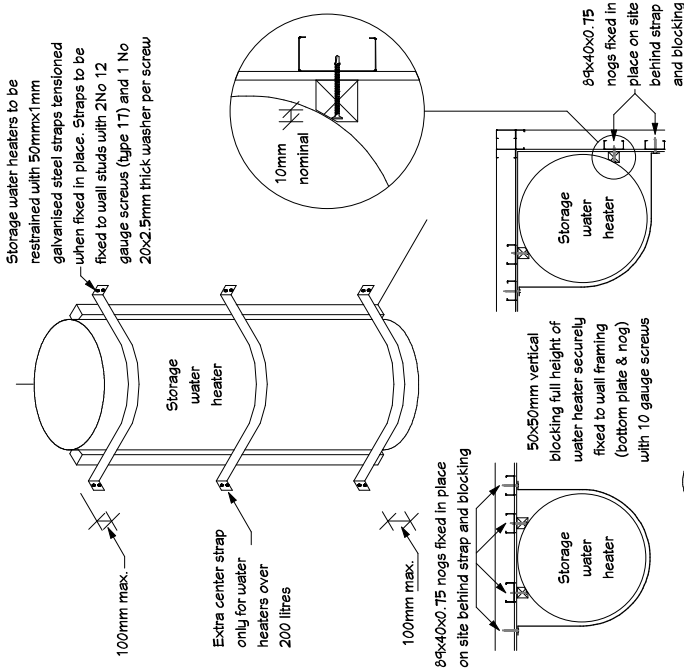
- 1) A mains pressure water heater can also be installed as an open vent or valve vented low pressure system
- 2) Combination valves (e.g. units incorporating isolating valve, strainer and pressure limiting valve) can be used to reduce the number of valves and simplify the installation

Mains Pressure HWC Installation



Electrical

WJONES.COM



Internal Water Heater

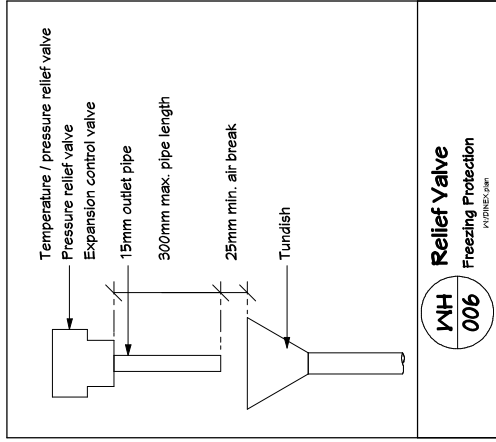
Seismic Constraint 40-360L

WJONES.COM



Mechanical

WJONES.COM



Relief Valve

Freezing Protection

WJONES.COM



Mechanical

WJONES.COM



NOTES:

- Water storage heater control thermostat shall be set at a temperature of not less than 60°C to prevent the growth of Legionella bacteria.
- Tempering Valve to be installed as per NZBC G12, to allow for a maximum of 55°C water to be delivered to sanitary fixtures.
- Water efficiency measures (use the following)
- Showers using not more than 9 litres of water per minute.
- Tap equipment using not more than 9 litres of water per minute.
- Toilets using no more than 4 litres per flush.

Design & Build - GOLDEN HOMES HOLDINGS LTD

CLIENT:

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Faringdon, Rolleston

TERRITORIAL AUTHORITY:

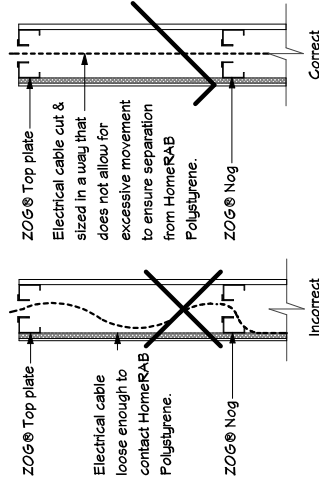
Selloun District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

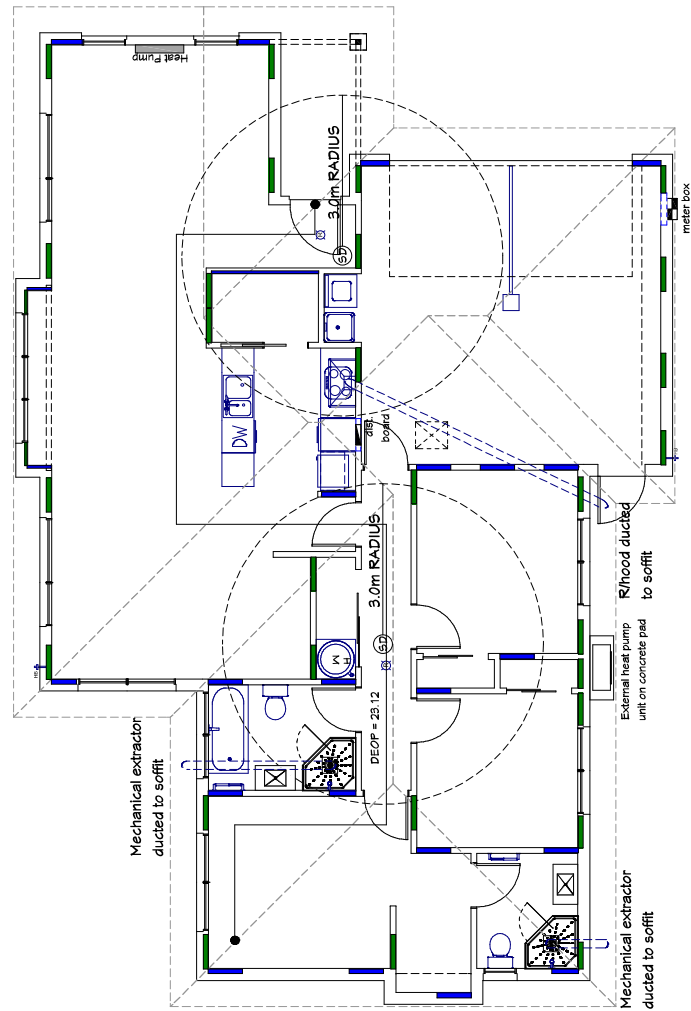
Sub-soil Classification: E
Soil Classification: REF GEOTECH
Wind Zone: High
Earthquake Zone: 2
Exposure Zone: C
Climate Zone: 3
Rain Intensity (10%AEF): 61.4mm/hr
Snowload: 1.0kPa

Water Heating Details

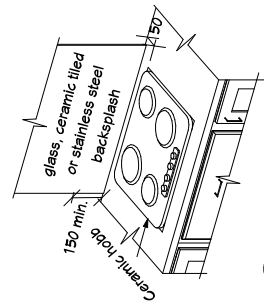
JOB NO:	47567	SALES:	Grant
LBP:	C.Nearne 101178		
DRAWN:	Michael	DATE:	15/07/2021
SCALE:	N.T.S	SHEET NO.	37 OF 40



ED 003 Electrical Cable in Insulated Walls



Electrical cables in contact with Black Pearl® thermal break must be of a type which utilise a PVC compound containing a non migratory plasticiser. When using cables without non migratory plasticiser, there must be no direct contact between the cable and the Black Pearl® thermal break. Separation can be achieved by installing in a suitable conduit, leaving an air gap, placing fibreglass insulation between the cable and the Black Pearl® or using a polyethylene or polypropylene tape between the cable and the Black Pearl® thermal break.



WH 021 Hobb Clearances

Ceramic

NOTES:

Bracing Element Lines

- Holes or intrusions into the ZOG® frame bracing elements may require engineers specific design for remedial work. 'The designer' must be contacted for an alternative solution prior to any intrusions and/or modifications being made to bracing elements.
- Any switch mounted into plasterboard used as a component in the bracing element must be a minimum of 150mm from the element edge.
- Meter box to be 500mm max width.
- Positions of ventilation ducting is approximate only and to be confirmed by the installer.

- An audible smoke alarm must be positioned on all levels within 3.0m of the door of any sleeping space. Smoke alarms should preferably be fitted to the ceiling in a central position and must be at least 300mm away from any wall or light fitting. Smoke alarms shall be listed or approved by a recognised authority as complying with at least one of: UL 217, CANULC 5531, AS 3786, BS 5446: Part 1, ISO 12239, or BS RN14604.
- All recessed lights to be Type IC (Abutted & Covered)
- Mechanical ventilation is compliant with G4/ AS1 1:3.3 a) 25 L/s for showers and baths, and b) 50 L/s for cooktops.

CLIENT:

Bolton Residence
Lot 180, DP 570913
Westbrook Avenue
West Village
Faringdon, Rolleston

TERRITORIAL AUTHORITY:

Selwyn District Council
Living Z Medium Density

SITE DATA (for zones upto & including):

Sub-soil Classification:	E
Soil Classification	REF GEOTECH
Wind Zone:	High
Earthquake Zone:	2
Exposure Zone:	C
Climate Zone:	3
Rain Intensity (10%AEF):	61.4mm/hr
Snowload:	1.0kPa

Electrical Plan

JOB No:	47567	SALES:	Grant
LBP:	C.Nearne 101178		
DRAWN:	Michael	DATE:	15/07/2021
SCALE:	N.T.S	SHEET No.	39 OF 40

EXTERIOR Fascia Stratco Concept External gutter Stratco Quad 115 Dowpipes Metalcraft 80mm Colorsteel downpipe Roofing Corrugated Longrun Colorsteel Roof underlay Fasturap FlameSpec S5 Soffit cladding 4.5mm Hardisoffit™ Garage door jamb 180×114 H3 Rad FJ PP Garage door head 40×114 H3 Rad FJ PP D4S External joinery Bradnams WeatherTight™ Wall Underlay HomeRAB Thermal Flexible flashing tape 3M All Weather Flashing Tape 8067 Wall Cladding Canterbury Clay Brick 70 series James Handle Linea® Weatherboard - 130 Eaves mould From Selected Claddings Range	INTERIOR Ceiling Insulation Pink® Batts® Classic R3.6 Ceiling Expol Plathum Board R2.03 Skillion Roof Insulation Garage - None Wall Insulation Pink® Batts® Steel Wall Classic R2.2 Garage - None Ceiling lining Gib® Standard 10mm Ceiling Finish Resene SpaceCote paint Wall lining Gib® Standard 10mm Wall Finish Resene SpaceCote paint Wall angle trims Gib® Goldline™ Square Corner Trim Ceiling hatch The Hatch 600×500mm Cornice Square Stopped Cornice cpts & closats Square Stopped Skirting No20 60×10mm Rad FJ Single Bevel Architraves No19 40×10mm Rad FJ Single Bevel Door Jamb 19mm Rad FJ Flat Jamb & Planted Stops Doors Flush PQ HC Door furniture Schlage Elan Door finish Resene Lustacryl Paint Hot water heater Rheem Mains Pressure Electric 250L 312 250 15 HWC Safe Tray Aqualine Cylinder Tray Laundry tub Robinhood Supertub STT002 -with Washing Machine only	BATHROOM Bath Clearlite Pacific 1655×740mm Surrounding Tiles Toilet VCBC Onda OZ506 Vanity VCBC Zara 150 Splashback Tiles Mirror Organic-backed safety mirror (vinyl-backed) Shower cubicle Clearlite Millennium 1000×1000 Corner Waterproofing membrane Laticrete Hydro Ban Membrane Tile Adhesive Laticrete 253 Gold Tile Adhesive Heated towel rail Goldair GLTR Mechanical Ventilation Manrose 100mm Axial Classic	ENSUITE Toilet VCBC Onda OZ506 Vanity VCBC Zara 150 Splashback Tiles Mirror Organic-backed safety mirror (vinyl-backed) Shower cubicle Clearlite Millennium 1000×1000 Waterproofing membrane Laticrete Hydro Ban Membrane Tile Adhesive Laticrete 253 Gold Tile Adhesive Heated towel rail Goldair GLTR Mechanical Ventilation Manrose 100mm Axial Classic
--	---	--	--

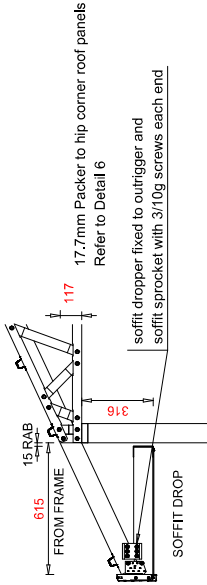
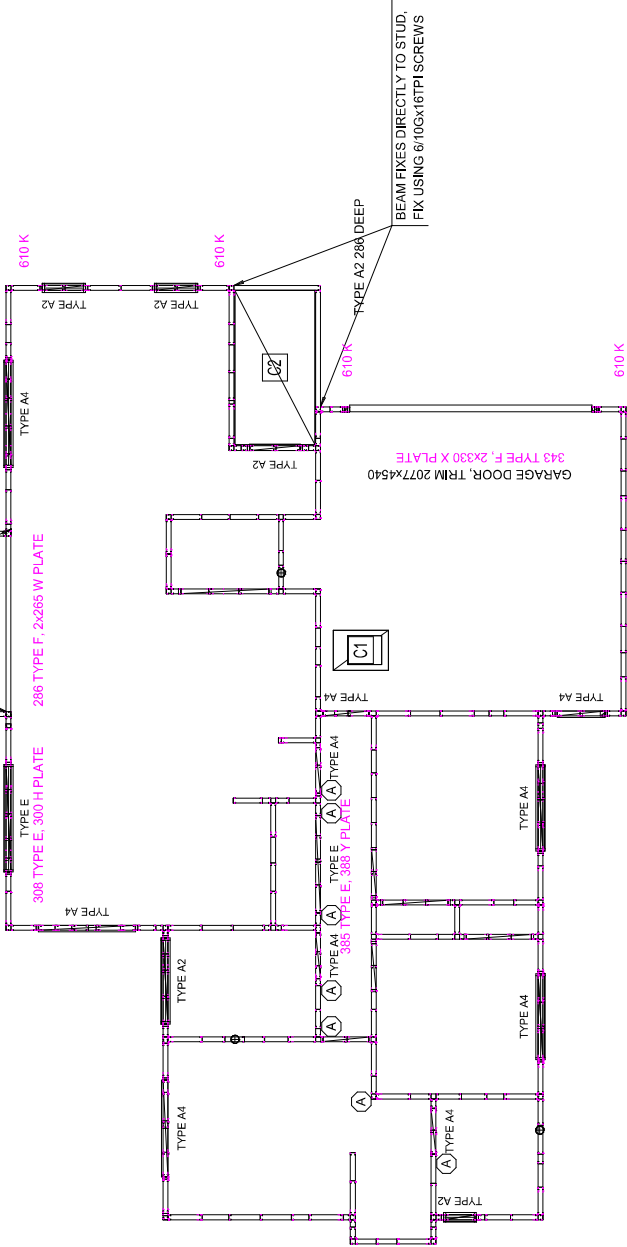
25° - Roof Pitch
High - Wind Zone
0.15 kPa - Roof Dead Load
0.15 kPa - Ceiling Dead Load
0.25 kPa - Roof Live Load
1.0 kPa - Ground Snow Load

ALL FIXINGS AND HOLD DOWNS MUST BE COMPLETED BEFORE INSTALLING ROOF CLADDING

INTERNAL LINERS: 19mm TIMBER

BEAM FIXES DIRECTLY TO STUD,
FIX USING 6/10GX16TPI SCREWS

REMOVE TOP PLATE ON
SITE AS PER DRAUGHTING DETAIL
CD110 - UP TO SOFFIT - PUSH OUT



NOTES
REFER TO THE FRAME PLACEMENT PAGE FOR STANDING FRAMES
REFER TO THE HOLD DOWN PAGE FOR HOLD DOWN TYPES
ADDITIONAL LINTEL HOLD DOWN TYPES NOTED LIKE SHOWN: TYPE
FOR TYPE EF PLATE DETAILS REFER TO THE CONSENT PLANS. THE EF PLATES MUST EXTEND PAST THE BEAM/INTEL ENDS AND BE FIXED TO THE FRAMING EITHER SIDE
LOAD BEARING WALLS ARE LABELED WITH AN "L"
NON LOAD BEARING WALLS ARE LABELED WITH AN "N"
THIS LAYOUT IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL PLANS
ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ZOG MANUFACTURING

WALL FRAME LINTEL & FIXINGS

Frames by:



NO MODIFICATIONS TO WALL FRAMES OR
ROOF TRUSSES ARE TO BE UNDERTAKEN
WITHOUT OBTAINING WRITTEN INSTRUCTION
FROM "ZOG" MANUFACTURING



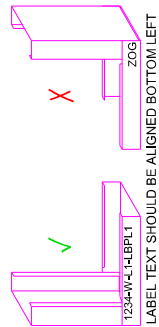
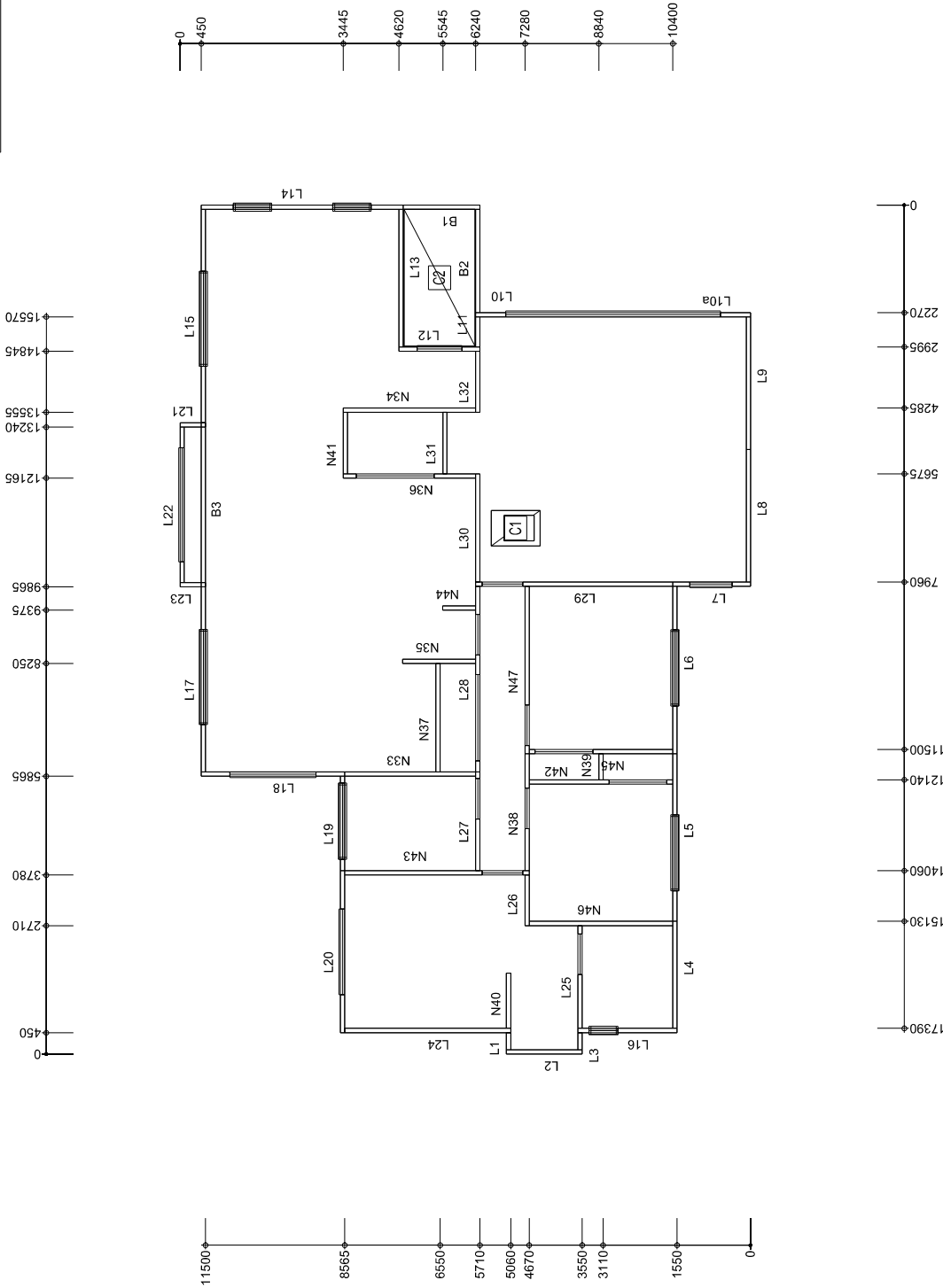
DATE DRAWN	DRAWN	SHEET NUMBER
27.07.2021	Kyle F	D01
JOB	SCALE	
97567	1:100	

Lot 180 DP 570913
28 Westbrook Avenue
West Village, Faringdon
Rolleston, Canterbury 7615

NOTES

Cutting, Drilling, Rubbings

Cold galv paint must be applied on site by contractors in all situations where the galvanised protection has been compromised by rubbing, or by heat creating construction techniques such as, but not limited to, high speed drilling or high speed cutting.



THIS PAGE MUST ONLY BE USED FOR FRAME PLACEMENT	
WALL TYPES: LOAD BEARING MARKED "L", NON-LOAD BEARING MARKED "N"	
ORIENTATION OF FRAMES CAN BE DETERMINED USING BOTTOM PLATE LABELS	
LABELS ON THIS PAGE SHOW DIRECTION THAT BOTTOM PLATE LABEL MUST FACE	
IF BOTTOM PLATE "ZOG" MARK IS FACING PLAN LABEL THEN ORIENTATION IS WRONG	
Lot 180 DP 570913	
28 Westbrook Avenue	
West Village, Faringdon	
Rolleston, Canterbury 7615	
SHEET NUMBER	
D02	
SCALE	
1:100	

FRAME PLACEMENT

DINEX[®]
architectural designers

CODEMARK[™]
CM70023 Rev1

zoo[®]
steel frames of the future today

Frames by:

NO MODIFICATIONS TO WALL FRAMES OR ROOF TRUSSES ARE TO BE UNDERTAKEN WITHOUT OBTAINING WRITTEN INSTRUCTION FROM "ZOG" MANUFACTURING

DATE DRAWN

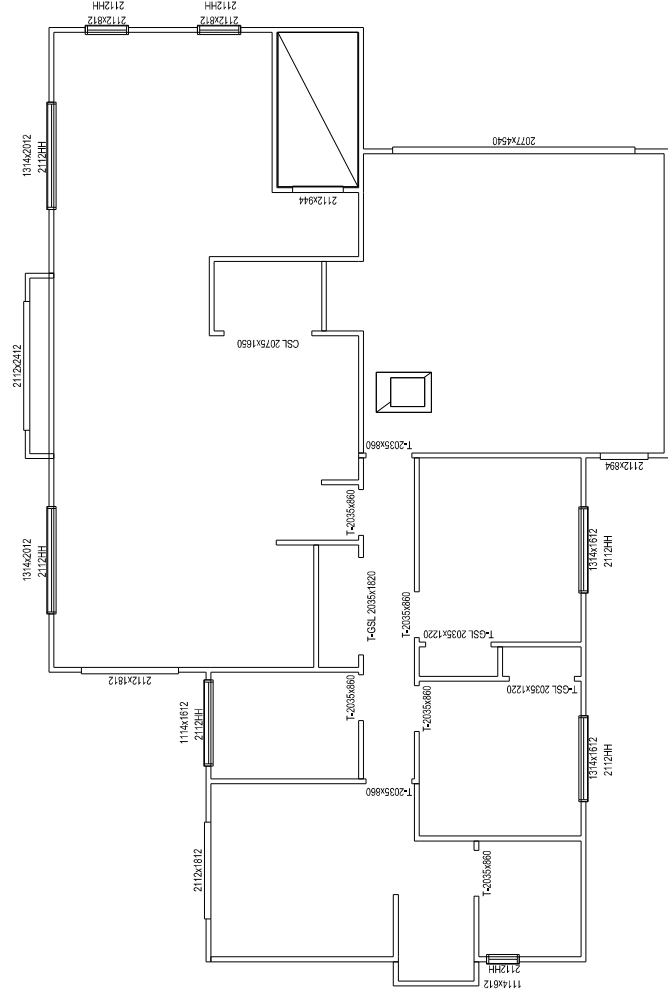
27.07.2021

DRAWN

Kyle F

JOB

97567



OPENING TRIMS

Frames by: **zoo**
steel frames of the future today

NO MODIFICATIONS TO WALL FRAMES OR
ROOF TRUSSES ARE TO BE UNDERTAKEN
WITHOUT OBTAINING WRITTEN INSTRUCTION
FROM "ZOG" MANUFACTURING

DINEX
architectural designers

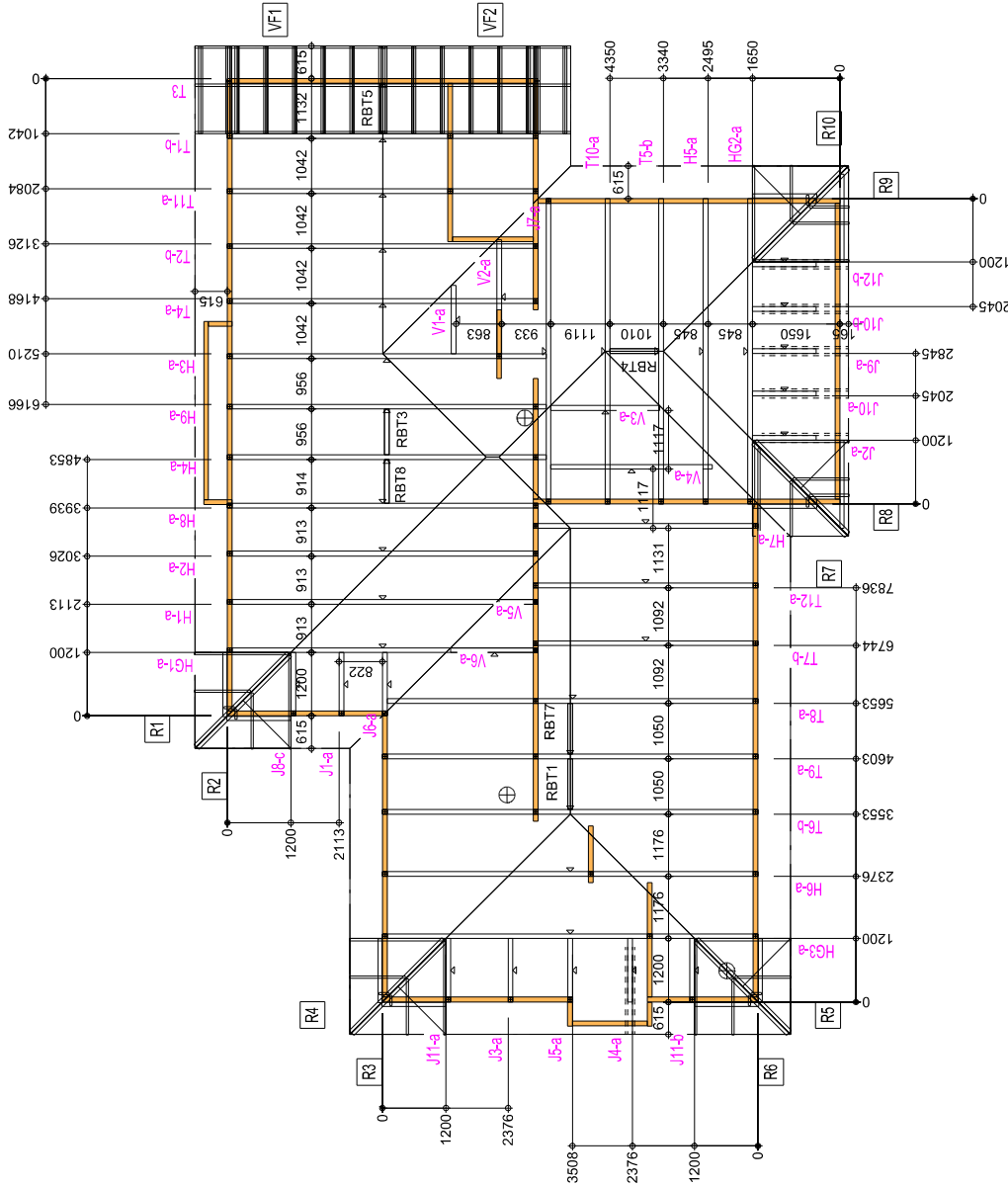
CODEMARK
CM70023 Rev1

DATE DRAWN	DRAWN	SHEET NUMBER
27.07.2021	Kyle F	D03
	JOB	SCALE
		1:100

Lot 180 DP 570913
28 Westbrook Avenue
West Village, Faringdon
Rolleston, Canterbury 7615

ALL FIXINGS AND HOLD DOWNS MUST BE COMPLETED BEFORE INSTALLING ROOF CLADDING

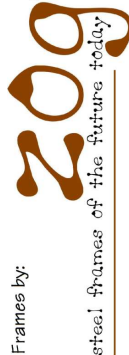
25° - Roof Pitch
High - Wind Zone
0.15 kPa - Roof Dead Load
0.15 kPa - Ceiling Dead Load
0.25 kPa - Roof Live Load
1.0 kPa - Ground Snow Load



FACTORY CHECK:

LOADED: - - - - -
MADE BY: - - - - -
- - - - -
- - - - -
CHECKED: - - - - -
DRIVER CHECK: - - - - -

Frames by:

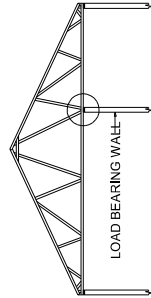


NO MODIFICATIONS TO WALL FRAMES OR
ROOF TRUSSES ARE TO BE UNDERTAKEN
WITHOUT OBTAINING WRITTEN INSTRUCTION
FROM "ZOG" MANUFACTURING



DATE DRAWN	DRAWN	SHEET NUMBER
27.07.2021	Kyle F	D04
JOB	SCALE	
97567	1:100	

Lot 180 DP 570913
28 Westbrook Avenue
West Village, Faringdon
Rolleston, Canterbury 7615



POSITION TRUSS SO THAT WEBS
ARE ABOVE THE LOAD BEARING
WALL

TYPE	S	A	B	C	C2	D
ZOG BRACKET TO TRUSS - SCREWS	2	4	6	8	8	12
ZOG TRUSS TO TRUSS - SCREWS	2	4	6	8	8	12
ZOG BRACKET TO TOP PLATE - SCREWS	2	4	6	8	8	12
EXTRA STUD GROUP SCREWS AT TOP PLATE		1	2	4	4	8
EXTRA STUD GROUP SCREWS AT BOTTOM PLATE		1	2	4	4	8
8x75 ANCHOR SCREW BOLT & WASHER	1	1				
10x100 ANCHOR SCREW BOLT & WASHER			1		2	
16x150 ANCHOR SCREW BOLT & WASHER				1		2
ZOG BOTTOM PLATE ANCHOR	N/A	1	1	1	1	2

ANCHOR BOLTS MUST BE WITHIN 100mm FROM CENTRE OF STUD
ALL ON SITE SCREW CONNECTIONS ARE TO BE 10Gx16TPI SCREWS

- 25° - Roof Pitch
High - Wind Zone
0.15 kPa - Roof Dead Load
0.15 kPa - Ceiling Dead Load
0.25 kPa - Roof Live Load
1.0 kPa - Ground Snow Load

REFER TO THE LATEST ZOG MANUAL FOR ALL HOLD-DOWN AND TRUSS CONNECTION DETAILS

HOLD DOWN TYPES:



TRUSS HOLD DOWNS:
ALL FIXINGS ARE TYPE S UNLESS NOTED ON THIS PAGE

- WALL BOTTOM PLATE HOLD DOWNS TO BE THE GREATER OF:
- STANDARD TYPE S HOLD DOWN
 - TYPE TRANSFERRED DOWN FROM TRUSS TO SUPPORTING STUD
 - BRACE WHERE REQUIRED (TYPE A INTERNAL, TYPE B EXTERNAL)
 - IF DISPLAYED USE TYPES NOTED ON FLOOR FRAMING PAGE

Frames by:



NO MODIFICATIONS TO WALL FRAMES OR
ROOF TRUSSES ARE TO BE UNDERTAKEN
WITHOUT OBTAINING WRITTEN INSTRUCTION
FROM "ZOG" MANUFACTURING

ROOF TRUSS FIXING & BRACING

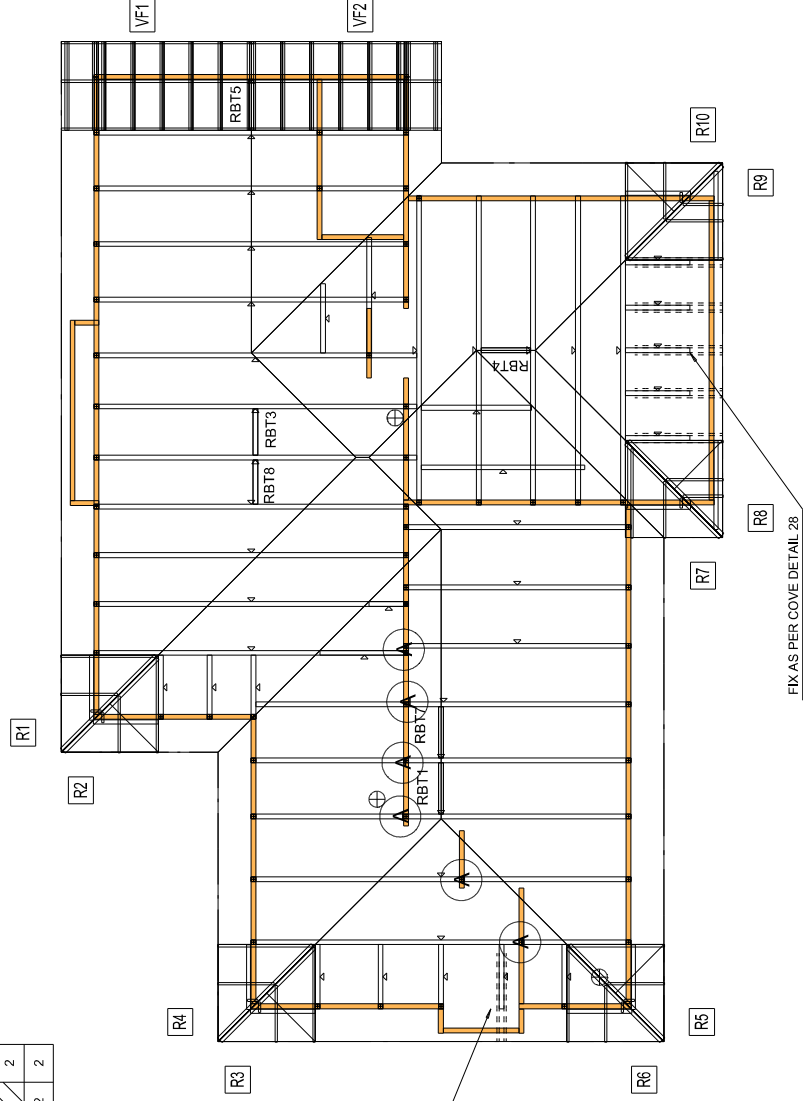


Lot 180 DP 570913
28 Westbrook Avenue
West Village, Farringdon
Rolleston, Canterbury 7615

SHEET NUMBER
D05
SCALE
1:100

DRAWN
Kyle F
JOB
97567

DATE DRAWN
27.07.2021



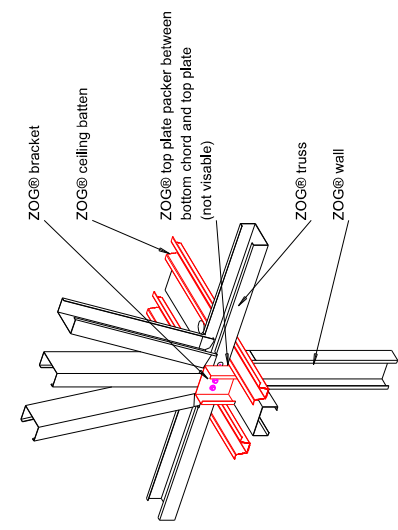
FIX AS PER COVE DETAIL 28

FIX AS PER COVE DETAIL 28

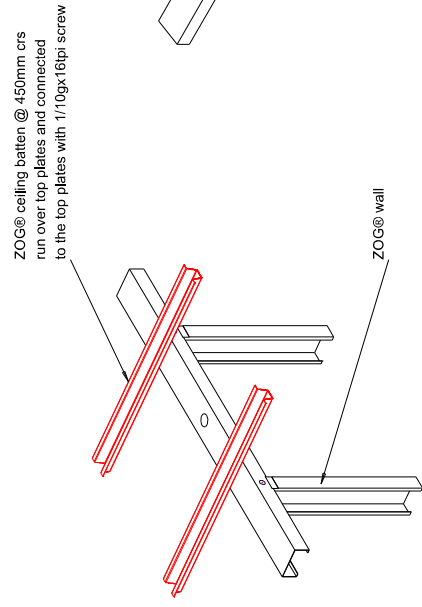
- NOTES
- SCREWS MUST BE FIXED IN SHEAR FOR CORRECT KN
- THE DETAIL TO THE LEFT INDICATES LOCATION
OF LUMBERLOK STRIP BRACE WITH TENSIONERS
(IN ACCORDANCE WITH NASH 3405:2006 Section 10.4)
- DETAIL TO THE LEFT INDICATES LOCATION OF ROOF
BRACE TRUSS. RBT TO BE FIXED TO INTERSECTING
TRUSS WITH 2/10G SCREWS TO THE TOP AND BOTTOM.



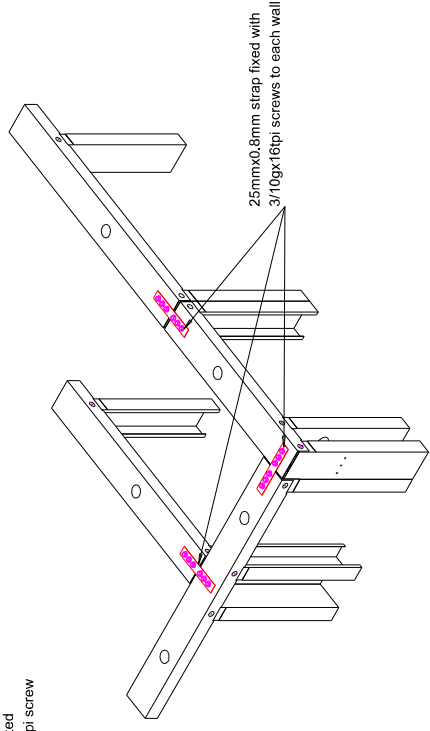
RBT



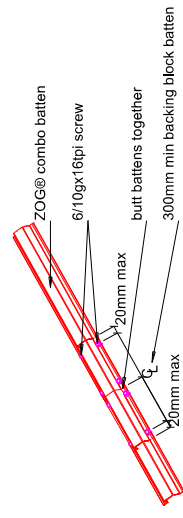
Top Plate System
Load-bearing Walls



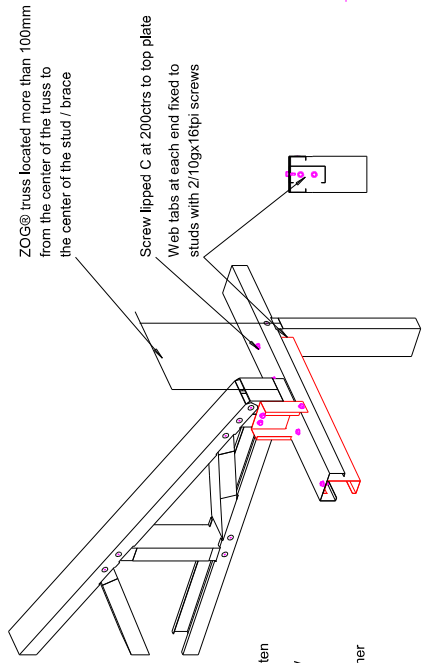
Top Plate System
Non Load-bearing Walls



Top Plate System
Wall Intersection (6kN)

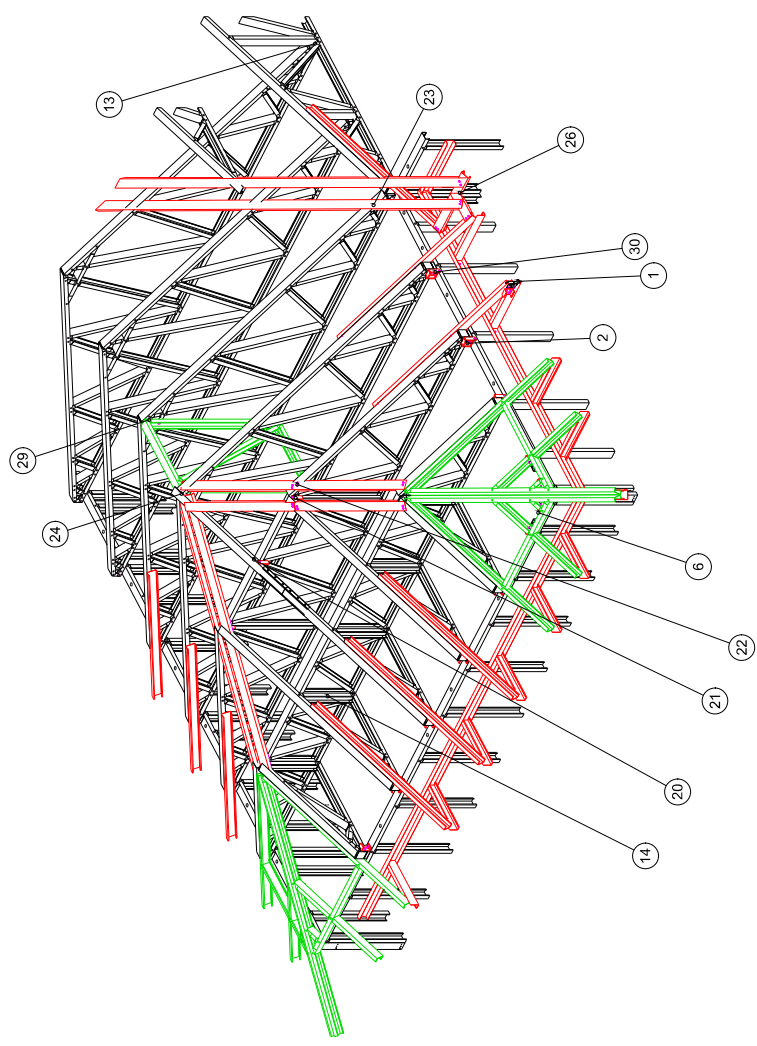
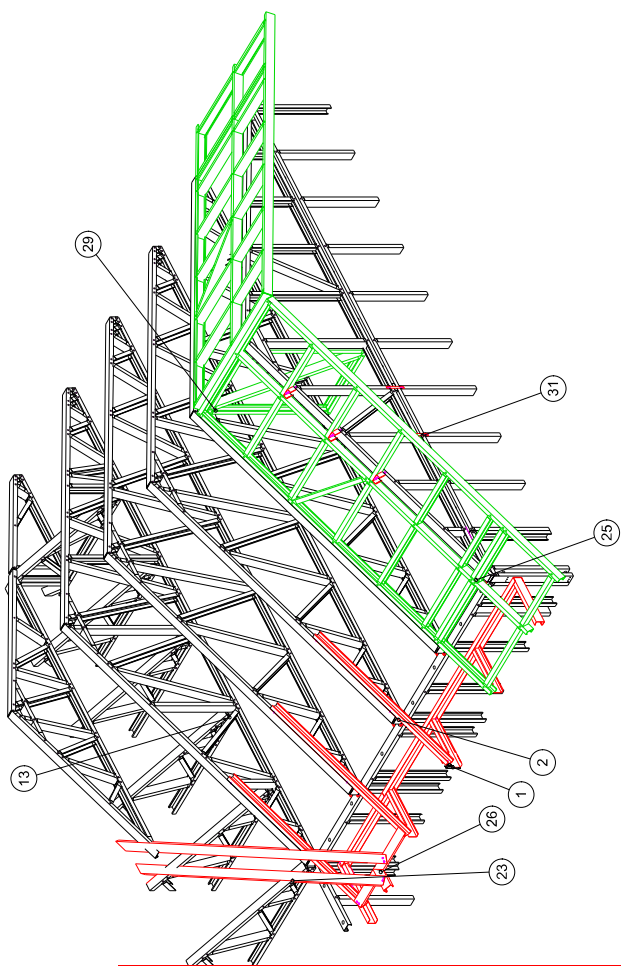


Ceiling / Roof Batten Connections

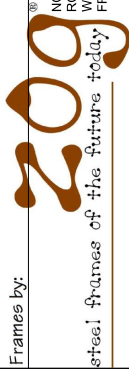


Top Plate Stiffener

NOTE:
Top plate stiffeners are required for truss spans over 2.0m and if the truss is located further than 100mm from the center of the truss to the center of the stud / brace. A top plate stiffener is not required if the top plate is boxed by ZOG manufacturing.



Roof Details 3D - reference only



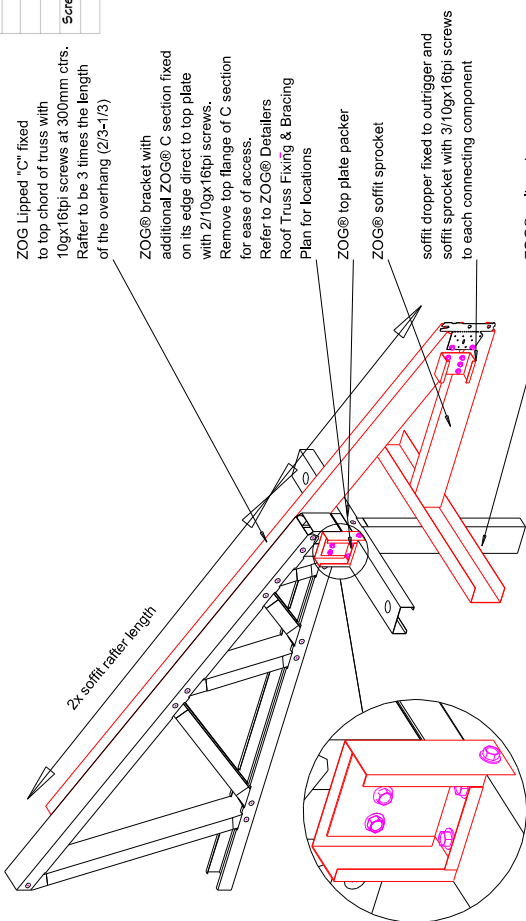
NO MODIFICATIONS TO WALL FRAMES OR ROOF TRUSSES ARE TO BE UNDERTAKEN WITHOUT OBTAINING WRITTEN INSTRUCTION FROM "ZOG" MANUFACTURING



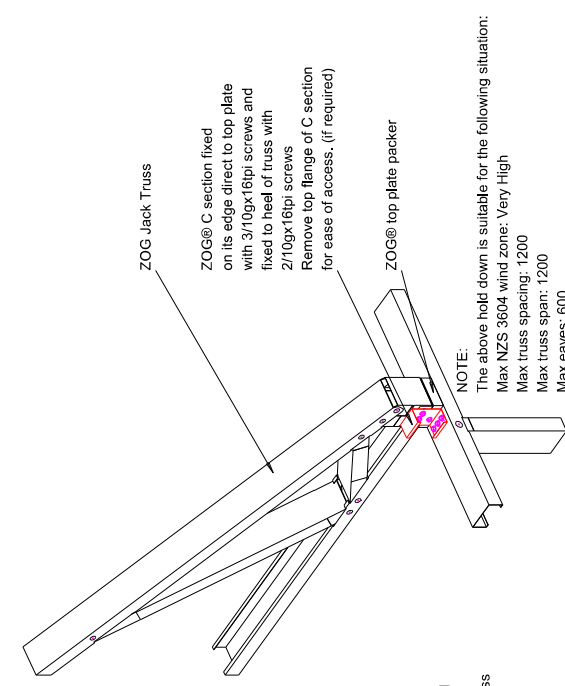
DATE DRAWN	DRAWN	SHEET NUMBER
27.07.2021	Kyle F	D07
	JOB	SCALE
	97567	N.T.S.

Lot 180 DP 570913
28 Westbrook Avenue
West Village, Faringdon
Rolleston, Canterbury 7615

Sgl Bracket		Dbl Bracket			
Type	Rating	5kN	10kN	15kN	20kN
Screws to Truss	2	4	4	6	8
		4	4	6	8
Screws to Top Plate (half each side)	2	4	4	6	8
		4	4	6	8
Bottom Plate Hold Down Type	5	A	A	B	C
		A	A	B	C

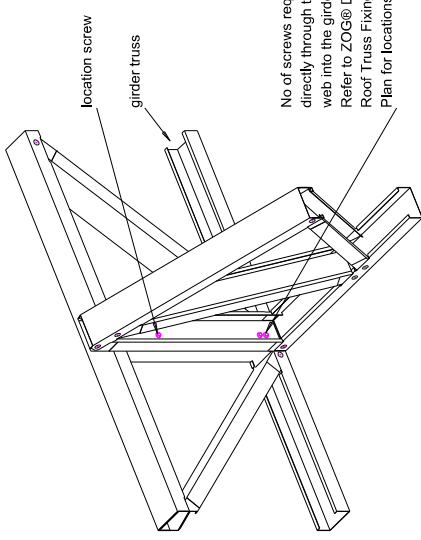


Detail 2
Soffit Method - Flat

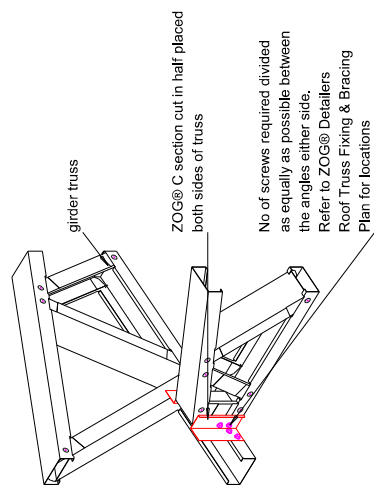


Jack Truss Hold Down

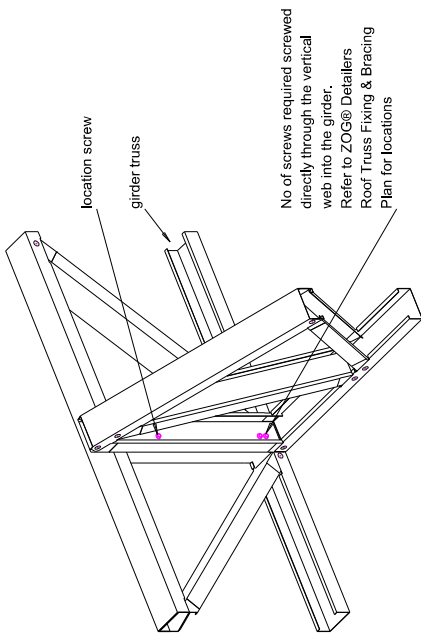
Detail 12
Top Hat Saddle



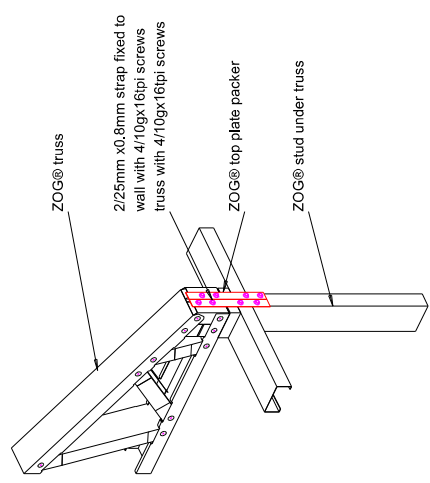
Detail 13
Truss To Girder Truss - Option 1

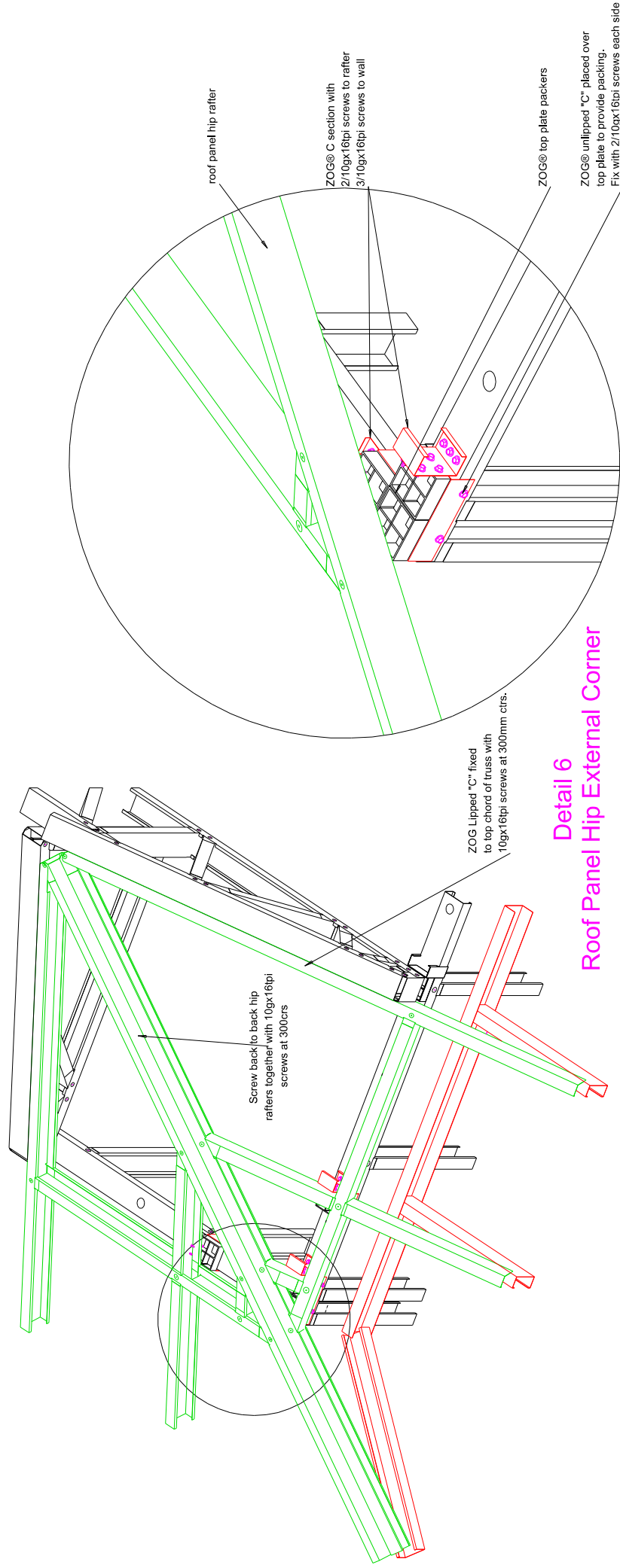


Detail 14
Truss To Girder Truss - Option 2

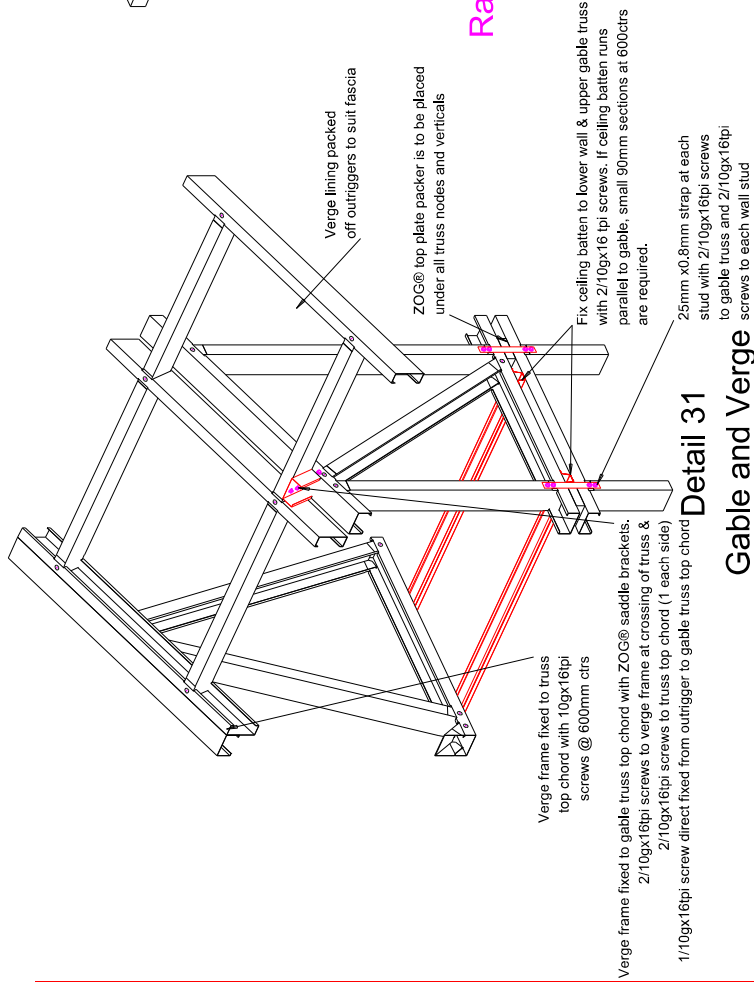


Detail 16
Alternative Truss To Top Plate
Type A (10kN)



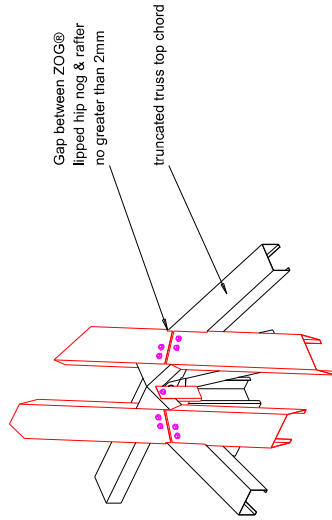


Detail 6
Roof Panel Hip External Corner

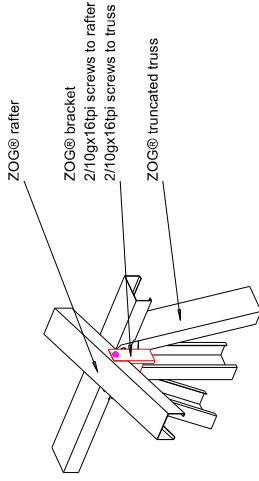


Detail 31

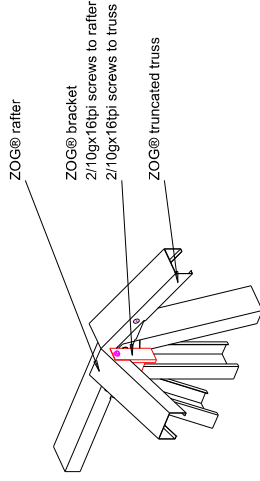
Gable and Verge



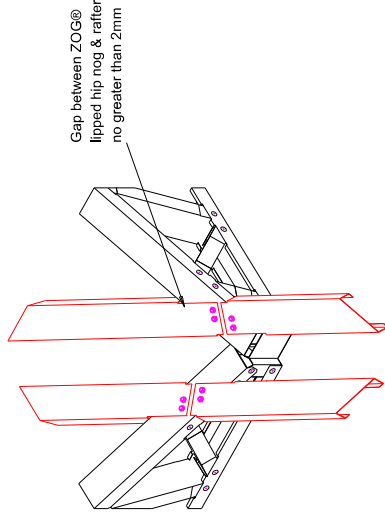
Detail 22
Hip Nogs



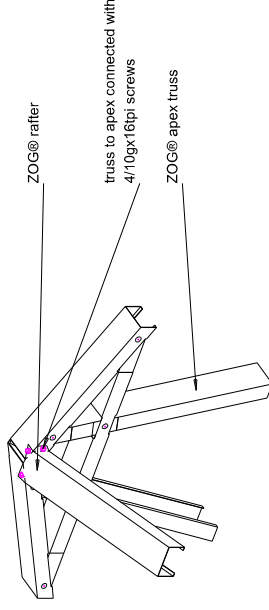
Detail 20
Rafter over Truncated Truss



Detail 21
Rafter over Truncated Truss



Detail 23
Valley Nogs



Detail 24
Rafter to Hip Apex

Roof Frame Details On Site 3

ZOG® top plate packer is to be placed under all truss nodes and verticals

ZOG® C section packer dropped to suit fascia, fixed with 2/10gx16pi screws to outrigger

2/10gx16pi screws to ZOG® combo batten

ZOG® combo batten as verge packing

25mm x0.8mm strap at each stud with 2/10gx16pi screws to gable truss and 2/10gx16pi screws to each wall stud

Detail 25
Gable Truss Heel

valley nog

valley nog

ZOG Lipped "C" outrigger

ZOG Lipped "C" outrigger

additional C section nog placed between outriggers to support valley nog end

Detail 26
Extra Support for Valley Nogg

Fix rafter at each intersecting web with 2/10gx16pi screws plus 2 at the rafter top end to the truss top chord

ZOG® packer section spans from wall to truss heel

Fix rafters to truss heel with 4/10gx16pi screws each side

ZOG® lipped section fixed to truss 10gx16pi screws at 100mm centers Rafter to be 3 times the length of the overhang (2/3-1/3)

Both rafters connected to wall using a ZOG® bracket, fixed with 3/10gx16pi screws to rafter and 3/10gx16pi screws to wall

ZOG® lipped channel each side of truss

Pack between rafters with a ZOG® lipped section fixed with 10gx16pi screws at 100mm centers

Detail 28
Coved Truss Connection

Roof space braces (RBT) to be fixed inbetween trusses with 2/10gx16pi to top and bottom each side

Detail 29
Roof Brace Truss

Frames by: **ZOG**
steel frames of the future today

NO MODIFICATIONS TO WALL FRAMES OR ROOF TRUSSES ARE TO BE UNDERTAKEN WITHOUT OBTAINING WRITTEN INSTRUCTION FROM "ZOG" MANUFACTURING

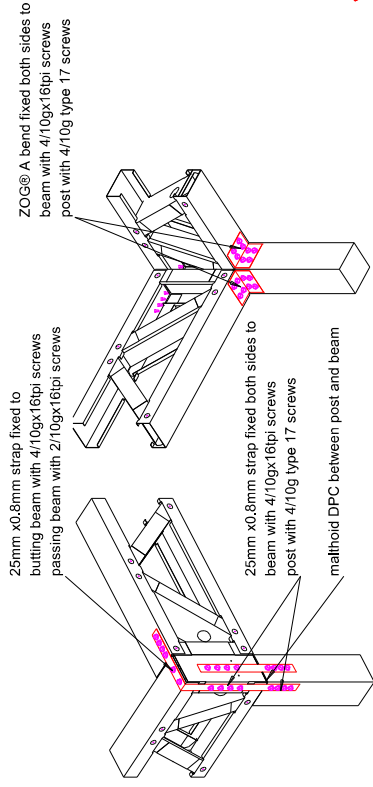
DINEX
architectural designers

CODEMARK
CM70023 Rev1

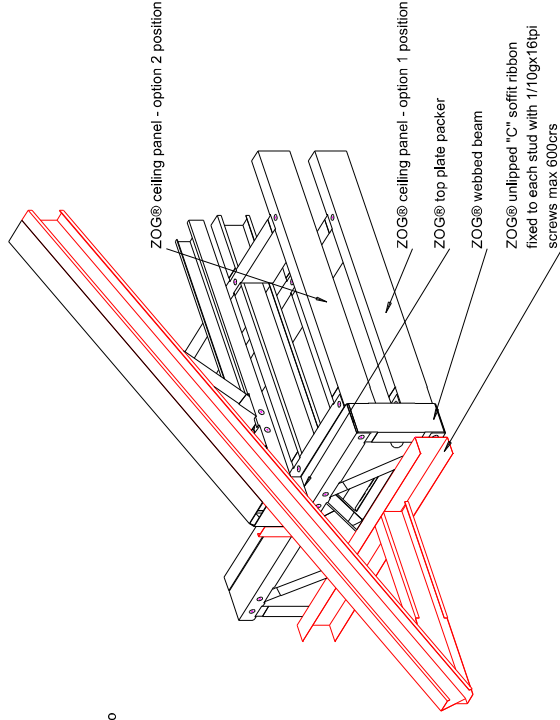
Roof Frame Details On Site 4

DATE DRAWN	DRAWN	SHEET NUMBER
27.07.2021	Kyle F	D11
	JOB	SCALE
	97567	N.T.S.

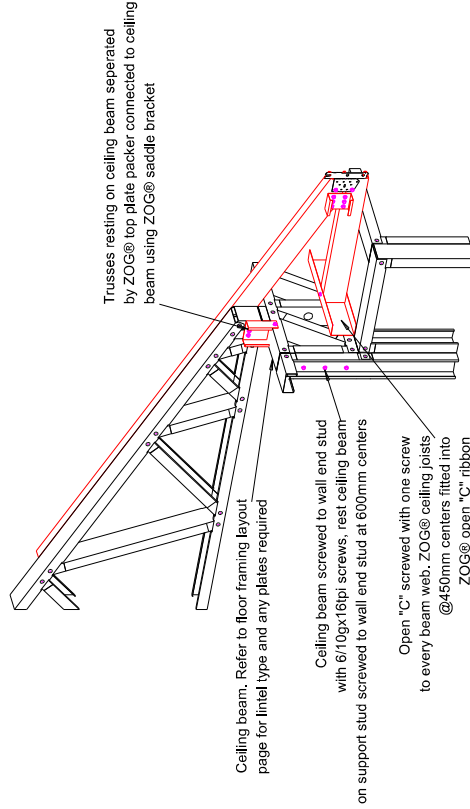
Lot 180 DP 570913
28 Westbrook Avenue
West Village, Farringdon
Rolleston, Canterbury 7615



Detail 32
Soffit Beam To Post at End



Detail 33
Soffit Panel



Detail 34
Soffit Beam

Post Beam Details On Site 1