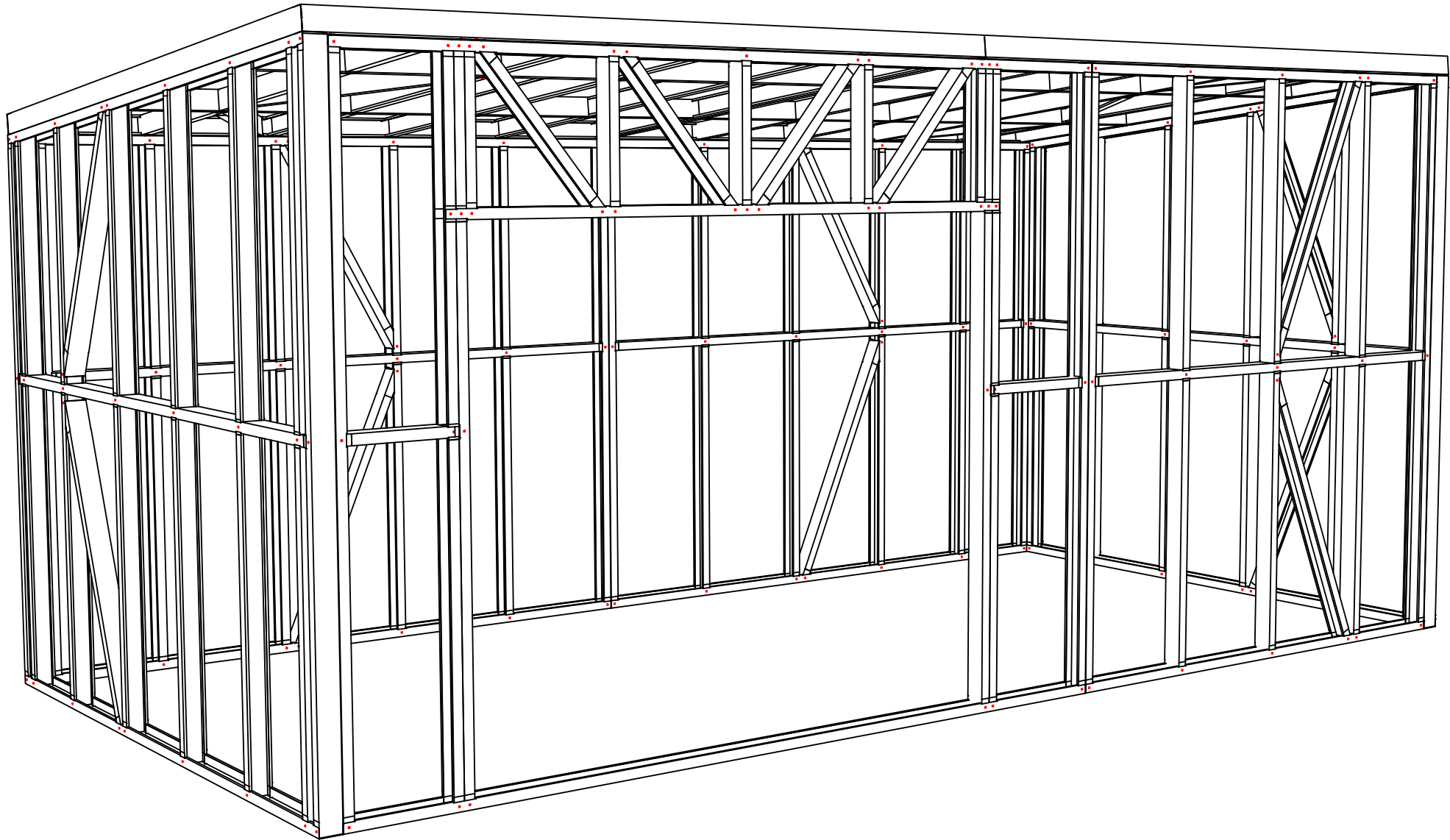




PROPOSED NEW DESIGN FOR
TBC

SITE ADDRESS
TBC

STEEL FRAME CONSTRUCTION PLANS

DESIGN PARAMETERS

WIND ZONE	H
SNOW ZONE	<1kPa
EARTHQUAKE ZONE	--
LOT #	-- DP

COVER
SHEET

JOB NUMBER
SL-3x6-A

CONSTRUCTION
DRAWING SET

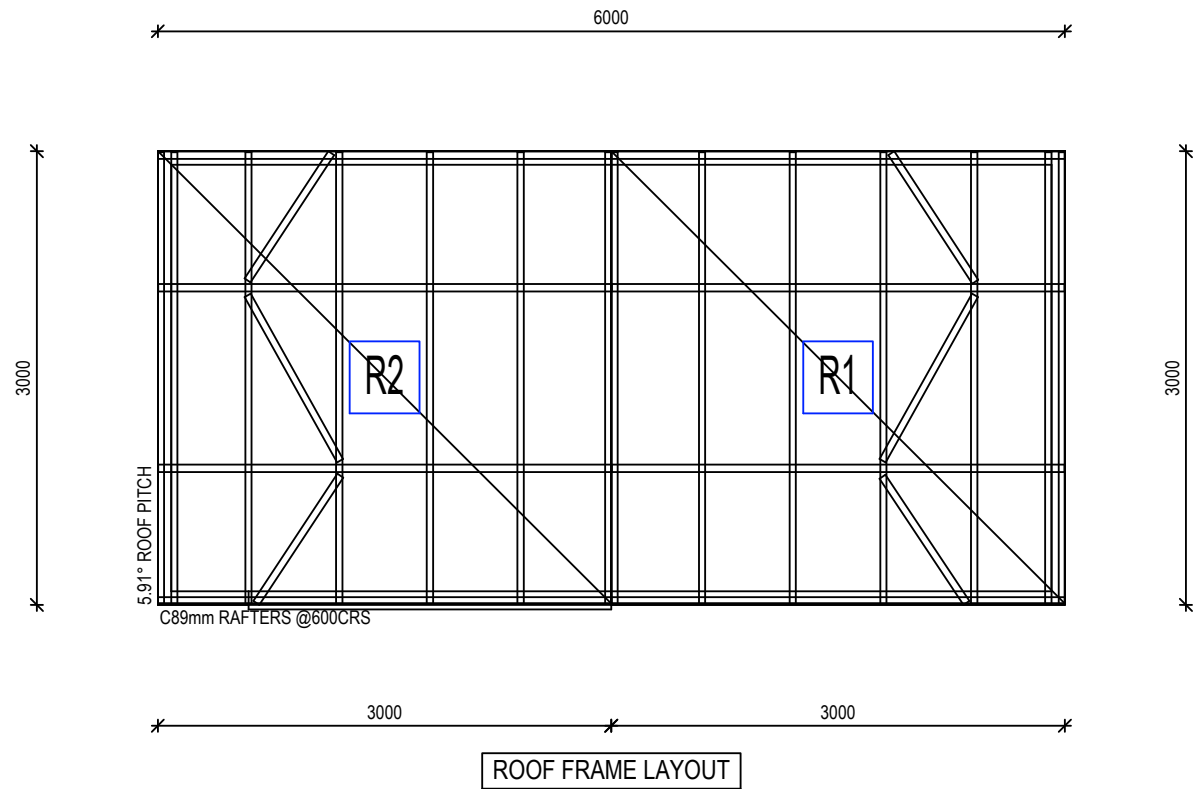
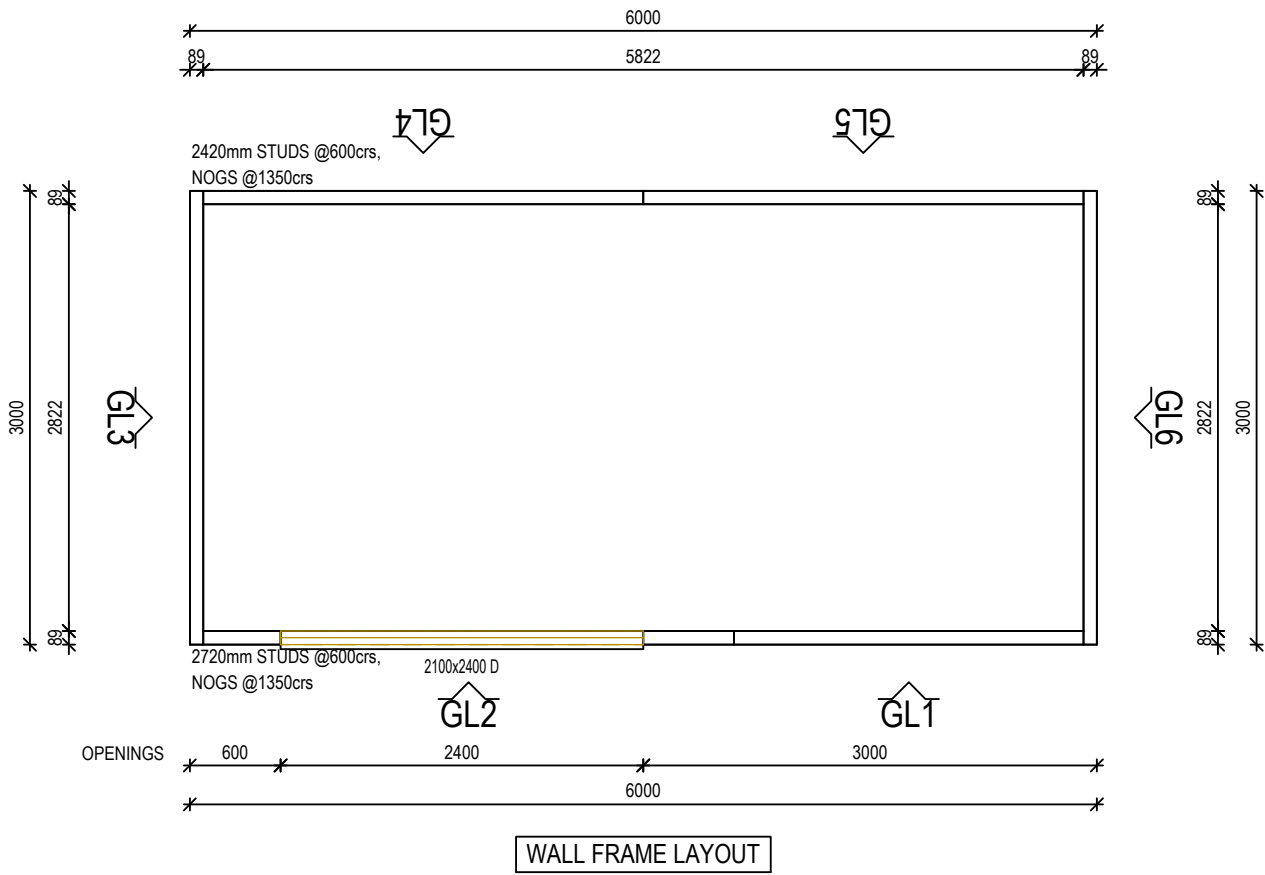
ISSUE DATE
16.01.2023

REVISION
A

NOTES ON COLD FORMED STEEL FABRICATION AND ERECTION All cold formed steel structure design is to NZ standards or certified by suitably qualified persons prior to construction. Refer to architectural drawings for dimensions, foundations and any structural steel not shown on framing drawings. FRAMING All framing members to be type SC/PC as classified by 'NASH Standard Part Two: May 2019', Tables E1 & E2, UNO. Framing components are to be pre-assembled into panels prior to erecting and will be square with components attached in a manner to avoid raking. Design, fabrication and erection shall comply with NASH SP2:2019. All screws to be 10g tek screws UNO. Splices in studs of load bearing walls are not permitted. Members shall be held positively in place until properly fastened. ERECTION Erect framing and panels level and square in strict accordance with the approved shop drawings. Handling and lifting of prefabricated panels shall be done in a manner as to not cause distortion in a member. Concrete anchors shall be installed after full concrete compressive strength has been achieved. Do not cut load bearing studs, lintels or trusses to install services in excess of a 35mm diameter hole at the centre of a member, unless studs have been reinforced to maintain structural integrity as per details provided. Ensure continuous DPC between any Concrete, Copper, Brass, CCA treated timber and galvanised steel. Builder to check all trim sizes, braces and cladding fixings on site before enclosing. FIXINGS Screw fixings shall be a minimum of 1.5x the diameter of the screw shank from the closest end and edge of the members being connected except for battens that shall be a minimum of 3x the diameter of the screw shank from the closest end of the batten being connected. Minimum spacing crs between screw fixings shall be 3x the diameter of the screw shank. Screw fixings into timber shall be a minimum of 4x the diameter of the screw shank from any edges and ends of the timber member. Screws shall have a minimum of 3 threads penetration through the connection. Please note Steel Frame Manufacturing Ltd only supplies frame to frame connections unless otherwise agreed.



SFML
STEEL FRAME MANUFACTURING LIMITED
steelframeman.co.nz | 0800 178 335 | 29 Studholme St, Waimate



WALL FRAME NOTES

1. WALL DESIGN IN ACCORDANCE WITH NASH STANDARD PART TWO: MAY 2019 UNLESS NOTED OTHERWISE
 - Jamb studs in accordance with table 7.15
 - All external openings to have minimum 2 jambs to each side UNO
 - Lintels in accordance with table 7.23 and 7.24
 - All loadbearing lintels to be minimum 180mm Type A2 UNO
 - Stud spacing and stud to plate connections in accordance with tables 7.4 and 7.5
2. BRACING DESIGN EXCLUDED/BY OTHERS

ROOF FRAME NOTES

1. RAFTER DESIGN IN ACCORDANCE WITH NASH STANDARD PART TWO: MAY 2019 UNLESS NOTED OTHERWISE
 - Rafters in accordance with table 6.1

READING THE WALL FRAME LAYOUT PLAN

WALL PANEL ORENTATION:
Each wall panel will have the frame code printed on one side of the frame and the Steel Frame Manufacturing Limited website printed on the other. The side with the frame code is the side that the label points to on the plan.
All external walls should have the frame code facing out.

STEELFRAMEMAN.CO.NZ

FRAME CODE

GL1

PROPOSED NEW DESIGN FOR
TBC

SITE ADDRESS
TBC

DESIGN PARAMETERS

WIND ZONE H
SNOW ZONE <1kPa
EARTHQUAKE ZONE --
LOT # --
DP --

STEEL FRAME CONSTRUCTION PLANS

FRAME LAYOUT

CONSTRUCTION

C01

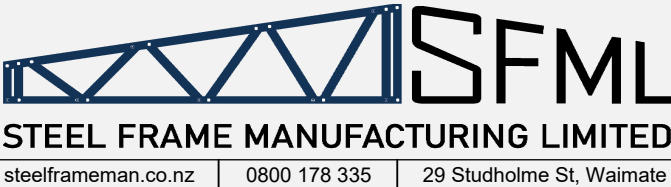
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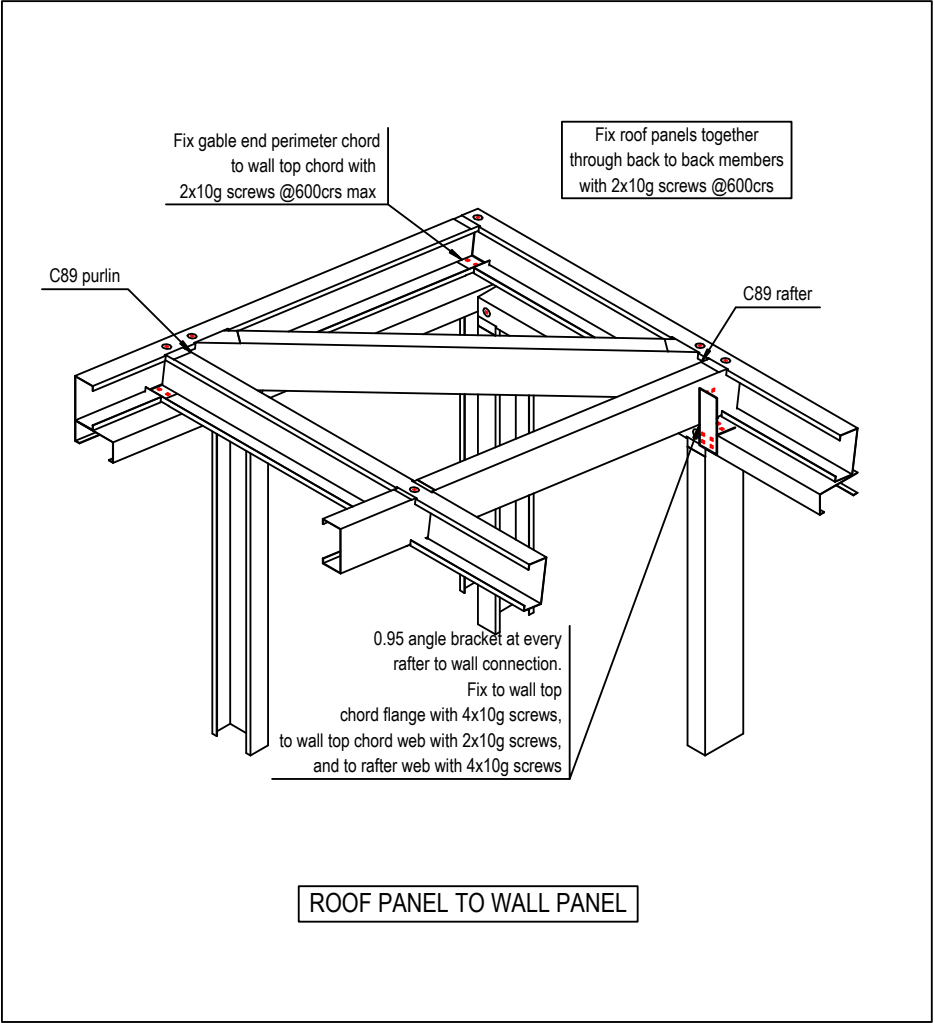
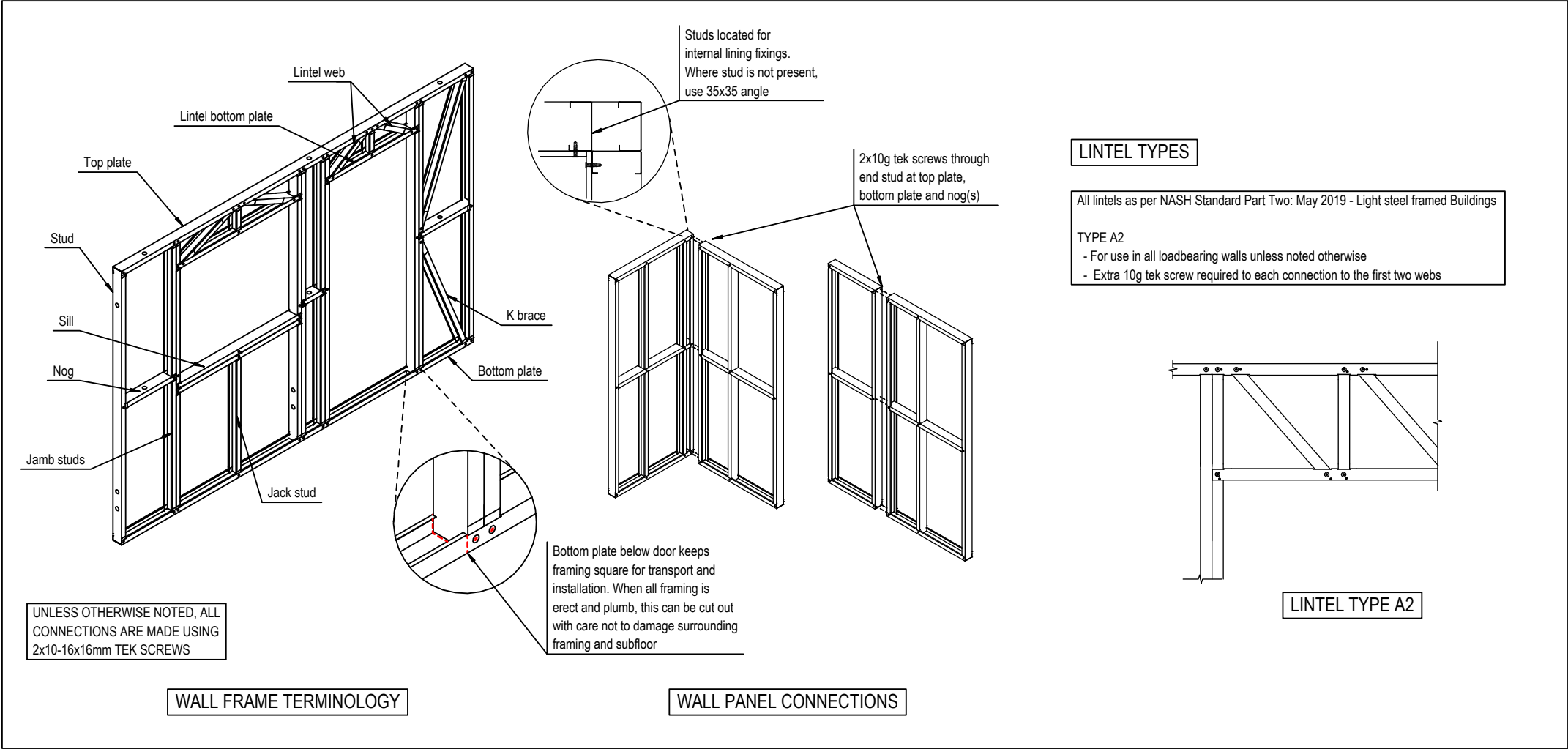
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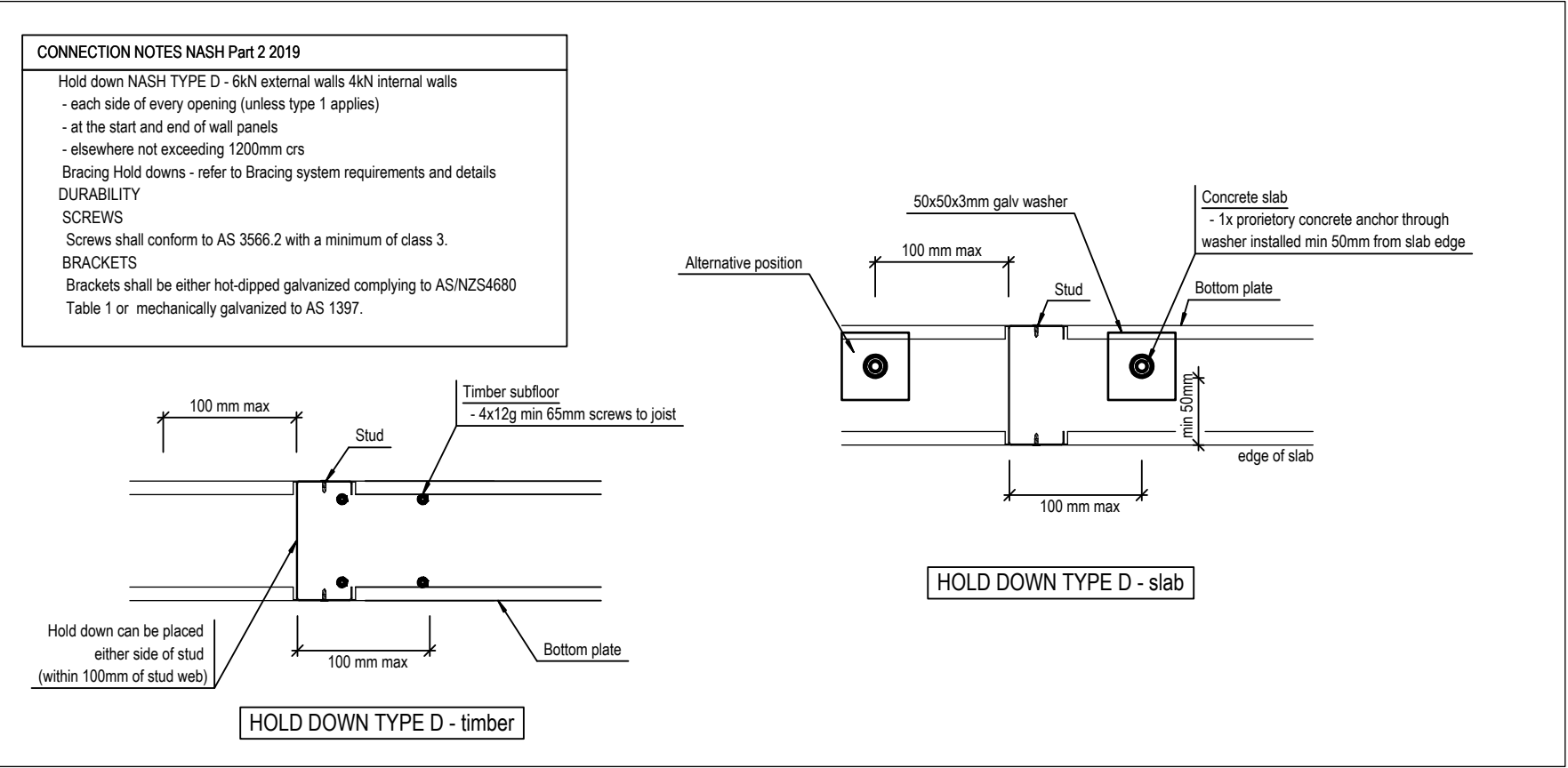
DETAILER: CT

REVISION
A





C89x41.3mm 0.75BMT LIPPED CEE SECTION PROPERTIES				
Name		S8975		
Grade		G550		
Coating		Z250		
Feed	mm	182.0		
Area	mm2	136.5		
Mass	kg	1.072		
Yield Stress	fy	Mpa	550	
Tensile Strength	fu	Mpa	550	
Second Moment of Area	Ix	mm4	174103	
Second Moment of Area	Iy	mm4	29996	
Radius of Gyration	rx	mm	35.7	
Radius of Gyration	ry	mm	14.8	
Centroid Position	x	mm	12.6	
Centroid Position	y	mm	44.0	
Shear Centre	xo	mm	33.2	
Shear Centre	yo	mm	0	
Polar Radius of Gyration	ro1	mm	43.6	
Torsion Constant	J	mm4	25.6	
Warping Constant	Iw	mm6	48912422	
Sectional Modulus	Zxt	mm3	3957	
Sectional Modulus	Zxb	mm3	3869	
Sectional Modulus	Zyt	mm3	2381	
Sectional Modulus	Zyb	mm3	1056	



PROPOSED NEW DESIGN FOR TBC	DESIGN PARAMETERS	STEEL FRAME CONSTRUCTION PLANS DETAILS - WALLS	CONSTRUCTION		C01	REVISION A	SFML STEEL FRAME MANUFACTURING LIMITED
			JOB NUMBER	ISSUE DATE			
			SL-3x6-A	16.01.2023			
SITE ADDRESS TBC	WIND ZONE SNOW ZONE EARTHQUAKE ZONE LOT # DP		info@steelframeman.co.nz		DETAILER: CT		steelframeman.co.nz0800 178 33529 Studholme St, Waimate