

Advanced Framing Reference

For each strategy, the 2012 IRC section, or reference to National Building Code (NBC) Canada apply to the measures. For further reference and detailed information, please consult the code volume. It is also important to share these requirements with the structural engineer of record.

This is not designed as a code compliance tool, but as a code reference tool where requirements must be met. Where a strategy would violate state or local or ammended, written building codes the specific local code would prevail. However, most local codes enforcement must be provided as written examples/exhibits from building departments as a municipal code ammendment and approved by state legislature or local government.

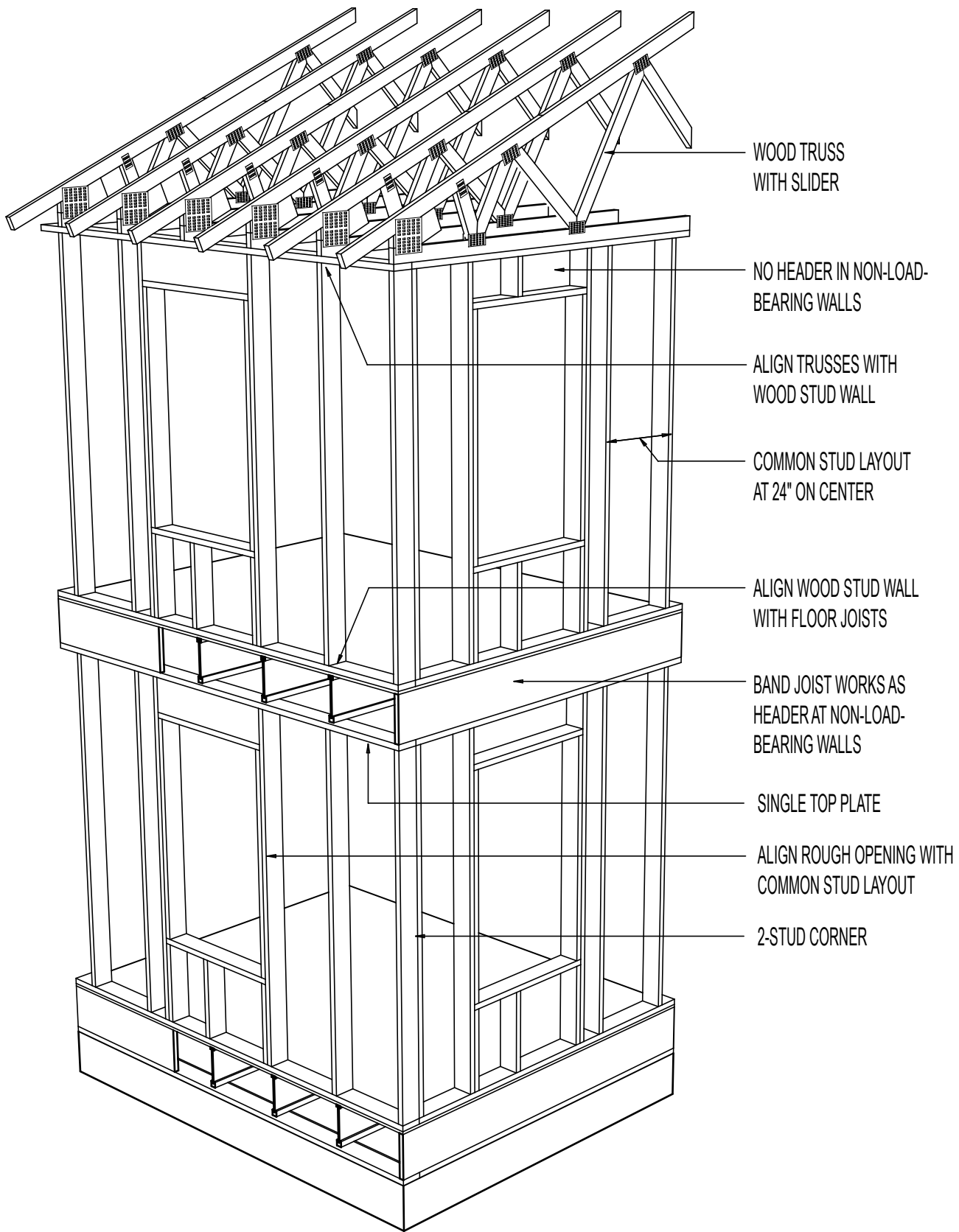
Advanced Framing Strategies - Typical				
#	Component	Strategy	IRC 2012	NBC Canada, EE 9.36 LOADS 9.23 LAT
1	Floor framing	Engineered I-joists, spaced 24" on-center; OR	503.2.1(1)	9.36.2
		Floor trusses ² (e.g. open web trusses), spaced 24" on-center	503.2.1(1)	9.36.2.4 /CWC
2	Exerior wall framing	2"x6" studs, spaced 24" on-center; OR	602.3(5)	9.36.2.4 / CWC
		Integrated insulation / framing systems (e.g. SIPs / ICFs)	R613, R611	9.36.2 / CWC
3	Exerior wall framing	2 or 3 stud corners capable of being insulated	602.3(2)	9.36.2
4	Interior wall framing	Ladder blocking or clip supports at interior-to-exterior wall intersections	402.4.1.1	9.36.2
5	Windows / doors	No headers in non-load bearing exterior walls	602.7.3	CWC
6	Windows / doors	a) Engineered & insulated headers	602.7.2	9.36.2.4 / CWC
		b) Headers capable of being insulated	602.7.1(2)/402.4.1.1	9.36.2.4 / CWC
7	Windows / doors	a) No cripple supports installed to support; OR	502.5(1)	CWC
		b) Integrated trimmer / jack studs into the window sill	502.5(2)	CWC
8	Windows / doors	Single 2"x6" sill installed at all window openings	Yes	Yes
9	Drywall	a) Hung with drywall clips; OR	Yes	Yes
		b) Hung with 1"x6" dimensional lumber; OR	Yes	Yes
		c) Hung with OSB / plywood backing	Yes	Yes
10	Roof rafters / ceiling	2"x6" studs (rafters)engineered trusses spaced 24" on-center	802.4(1)	CWC
11	Vented attic	Minimum truss heel height of 7.5" at intersection of exterior wall plane	402.2.1	9.23.13.11.
12	Conditioned/cathedral attic	Minimum truss heel height of 6" at intersection of exterior wall plane	402.2.1	9.23.13.11.

Advanced Framing Strategies - Difficult

Item	Component	Strategy	IRC 2012	NBC Canada, 9.36 Energy
13	Exterior wall framing	Single top plate on all walls	602.3.2	9.36.2
14	Exterior wall framing	Floor, wall and roof framing aligned vertically for direct transfer of loads	603.3.2	CWC
15	Interior wall framing	Non-Bearing - Spaced 24" on-center (except cabinet areas)	Yes	CWC
16	Windows / doors	Interior trimmer studs replaced with header clips/brackets	502.1	9.36.2
17	Sheathing	Engineered shear panels used instead of full sheathed exterior	602.10.2.2.1	9.23.10.2.(1)
18	Sheathing	Wood sheathing replaced with insulating foam sheathing	602.10.4	9.23.10.2.(1)

Verification notes (identify each by item # above):

* NBC Note: References are made to the CWC - Canadian Wood Council Engineering Guide to Wood Frame Construction 2009. This guide is referenced by the NBC as it pertains to span charts and optional framing configurations.



CONCEPTUAL 3D ADVANCED FRAMING DRAWING

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Scale: 1/4" = 1'-0"

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