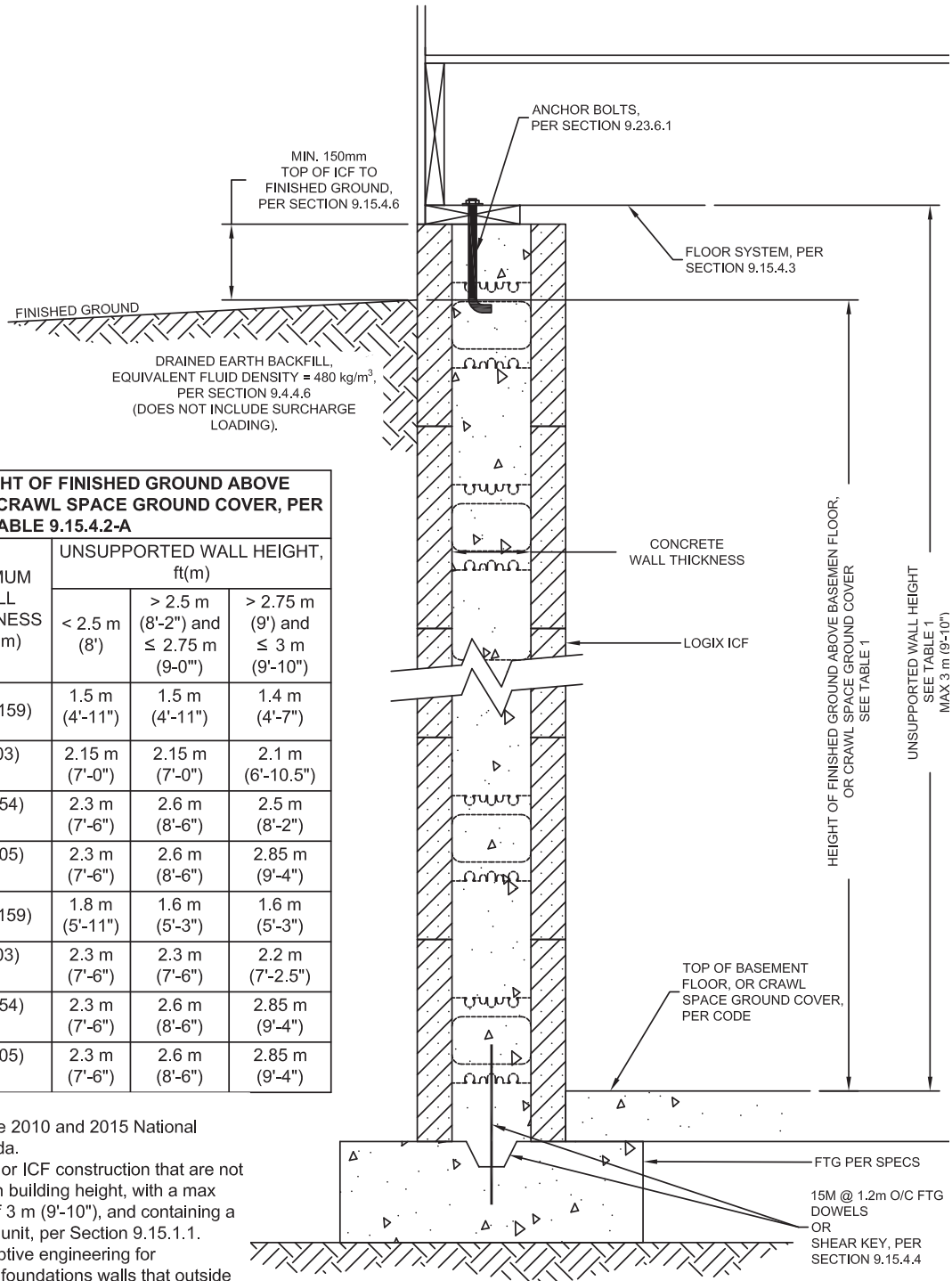


# 6.2 – CANADIAN ENGINEERING ANALYSIS REPORT: IMPERIAL UNITS

**FIGURE 1C - UNREINFORCED FOUNDATION WALL PER 2010 & 2015 NBCC, PART 9**



**TABLE 1: MAX HEIGHT OF FINISHED GROUND ABOVE BASEMENT FLOOR OR CRAWL SPACE GROUND COVER, PER TABLE 9.15.4.2-A**

CONCRETE COMPRESSIVE STRENGTH	MINIMUM WALL THICKNESS in (mm)	UNSUPPORTED WALL HEIGHT, ft(m)		
		< 2.5 m (8')	> 2.5 m (8'-2") and ≤ 2.75 m (9'-0")	> 2.75 m (9') and ≤ 3 m (9'-10")
15 MPa	6.25 (159)	1.5 m (4'-11")	1.5 m (4'-11")	1.4 m (4'-7")
	8 (203)	2.15 m (7'-0")	2.15 m (7'-0")	2.1 m (6'-10.5")
	10 (254)	2.3 m (7'-6")	2.6 m (8'-6")	2.5 m (8'-2")
	12 (305)	2.3 m (7'-6")	2.6 m (8'-6")	2.85 m (9'-4")
20 MPa	6.25 (159)	1.8 m (5'-11")	1.6 m (5'-3")	1.6 m (5'-3")
	8 (203)	2.3 m (7'-6")	2.3 m (7'-6")	2.2 m (7'-2.5")
	10 (254)	2.3 m (7'-6")	2.6 m (8'-6")	2.85 m (9'-4")
	12 (305)	2.3 m (7'-6")	2.6 m (8'-6")	2.85 m (9'-4")

- NOTES:**
- Section references the 2010 and 2015 National Building Code of Canada.
  - Applies to light-frame or ICF construction that are not more than 2 storeys in building height, with a max floor to floor height of 3 m (9'-10"), and containing a single family dwelling unit, per Section 9.15.1.1.
  - Refer to Logix prescriptive engineering for below-grade walls for foundations walls that outside the scope of this document.

**ENGINEERING**

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